

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022620\
 Data File : VN060258.D
 Acq On : 26 Feb 2020 17:51
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/27/2020 9:41:02 AM

Quant Time: Feb 27 05:57:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 12 14:12:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	204393	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	334938	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	313754	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	161821	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	139940	56.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.54%	
35) Dibromofluoromethane	7.57	113	95138	46.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.42%	
50) Toluene-d8	10.08	98	412490	50.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.76%	
62) 4-Bromofluorobenzene	12.40	95	159807	53.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	95714	46.849	ug/l	99
3) Chloromethane	2.04	50	173361	71.304	ug/l	100
4) Vinyl Chloride	2.16	62	142737	51.506	ug/l	99
5) Bromomethane	2.54	94	47850	28.159	ug/l	99
6) Chloroethane	2.68	64	75157	53.619	ug/l	96
7) Trichlorofluoromethane	3.00	101	179009	50.101	ug/l	99
8) Diethyl Ether	3.39	74	67697	56.919	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.74	101	100345	50.585	ug/l	97
10) Methyl Iodide	3.93	142	89426	34.363	ug/l	98
11) Tert butyl alcohol	4.73	59	105904	284.547	ug/l	100
12) 1,1-Dichloroethene	3.72	96	101250	52.394	ug/l	96
13) Acrolein	3.58	56	95795	260.396	ug/l	96
14) Allyl chloride	4.30	41	171299	60.226	ug/l	92
15) Acrylonitrile	4.94	53	282519	310.828	ug/l	100
16) Acetone	3.78	43	238577	219.914	ug/l	96
17) Carbon Disulfide	4.03	76	274198	47.075	ug/l	98
18) Methyl Acetate	4.29	43	146438	71.856	ug/l	96
19) Methyl tert-butyl Ether	5.01	73	366274	56.361	ug/l	98
20) Methylene Chloride	4.52	84	116306	53.736	ug/l	95
21) trans-1,2-Dichloroethene	5.01	96	108474	51.494	ug/l	96
22) Diisopropyl ether	5.92	45	375545	60.246	ug/l	93
23) Vinyl Acetate	5.86	43	1558440	297.713	ug/l	97
24) 1,1-Dichloroethane	5.82	63	212090	56.165	ug/l	98
25) 2-Butanone	6.80	43	376191	275.717	ug/l	93
26) 2,2-Dichloropropane	6.80	77	178263	49.701	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	128533	52.137	ug/l	97
28) Bromochloromethane	7.17	49	82169	55.349	ug/l	89
29) Tetrahydrofuran	7.18	42	253491	302.842	ug/l	94
30) Chloroform	7.35	83	210400	53.190	ug/l	98
31) Cyclohexane	7.63	56	185293	52.675	ug/l	94
32) 1,1,1-Trichloroethane	7.55	97	187412	51.846	ug/l	99
36) 1,1-Dichloropropene	7.77	75	156044	50.299	ug/l	98
37) Ethyl Acetate	6.90	43	159567	56.911	ug/l	99
38) Carbon Tetrachloride	7.75	117	157533	46.756	ug/l	98

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	180525	46.877	ug/l	94
40) Benzene	8.02	78	464083	50.429	ug/l	99
41) Methacrylonitrile	7.15	41	66902m	56.898	ug/l	
42) 1,2-Dichloroethane	8.10	62	169073	52.419	ug/l	99
43) Isopropyl Acetate	8.14	43	276671	57.726	ug/l	97
44) Trichloroethene	8.82	130	127237	49.933	ug/l	95
45) 1,2-Dichloropropane	9.10	63	124855	54.801	ug/l	98
46) Dibromomethane	9.19	93	79743	49.528	ug/l	98
47) Bromodichloromethane	9.39	83	164093	50.130	ug/l	97
48) Methyl methacrylate	9.18	41	124217	57.765	ug/l	94
49) 1,4-Dioxane	9.18	88	36144	983.736	ug/l	93
51) 4-Methyl-2-Pentanone	9.97	43	813457	293.223	ug/l	98
52) Toluene	10.14	92	293241	49.691	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	192668	52.145	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	202865	52.141	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	117227	50.918	ug/l	98
56) Ethyl methacrylate	10.42	69	181523	55.736	ug/l	96
57) 1,3-Dichloropropane	10.70	76	197449	51.975	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	457843	301.755	ug/l	96
59) 2-Hexanone	10.74	43	606871	283.189	ug/l	97
60) Dibromochloromethane	10.89	129	124925	47.285	ug/l	100
61) 1,2-Dibromoethane	11.00	107	120034	49.736	ug/l	99
64) Tetrachloroethene	10.62	164	129205	54.171	ug/l	97
65) Chlorobenzene	11.43	112	309974	48.492	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	117797	48.713	ug/l	99
67) Ethyl Benzene	11.51	91	575279	49.899	ug/l	99
68) m/p-Xylenes	11.62	106	429472	99.254	ug/l	98
69) o-Xylene	11.94	106	209246	50.225	ug/l	98
70) Styrene	11.96	104	349151	51.970	ug/l	99
71) Bromoform	12.12	173	88469	45.486	ug/l #	99
73) Isopropylbenzene	12.25	105	564268	46.696	ug/l	99
74) N-amyl acetate	12.07	43	253436	58.162	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	161873	46.540	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	147104m	47.514	ug/l	
77) Bromobenzene	12.52	156	138200	46.084	ug/l	93
78) n-propylbenzene	12.59	91	663400	48.186	ug/l	99
79) 2-Chlorotoluene	12.67	91	386380	47.747	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	481998	47.973	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	64317	50.866	ug/l	99
82) 4-Chlorotoluene	12.77	91	404727	48.749	ug/l	97
83) tert-Butylbenzene	12.99	119	413692	46.545	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	484412	48.842	ug/l	100
85) sec-Butylbenzene	13.17	105	559396	47.524	ug/l	99
86) p-Isopropyltoluene	13.28	119	508530	47.683	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	250112	47.117	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	250099	47.124	ug/l	99
89) n-Butylbenzene	13.61	91	468690	49.965	ug/l	99
90) Hexachloroethane	13.87	117	72290	36.283	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	241590	46.505	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	36322	49.100	ug/l	96

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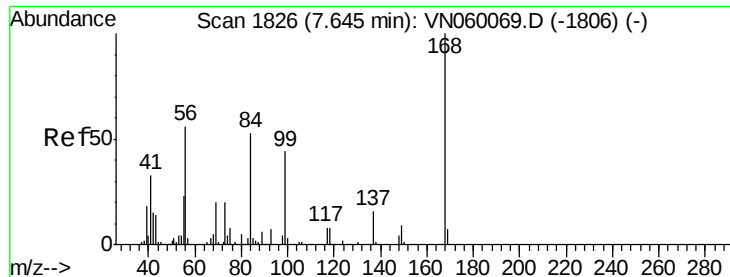
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	162653	53.287	ug/l	100
94) Hexachlorobutadiene	15.01	225	73096	40.905	ug/l	99
95) Naphthalene	15.13	128	493577	59.861	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	153509	50.501	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN060258.D

Acq: 26 Feb 2020 17:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 204393

Ion Ratio Lower Upper

168 100

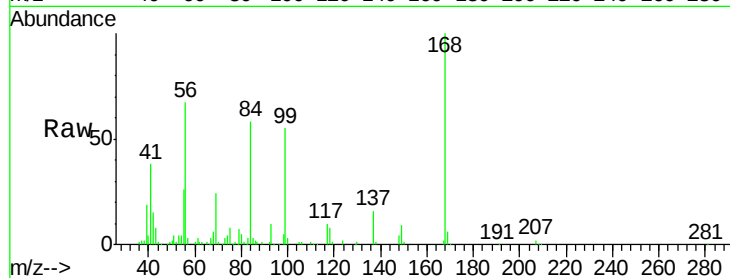
99 55.3 42.7 64.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

80000

60000

40000

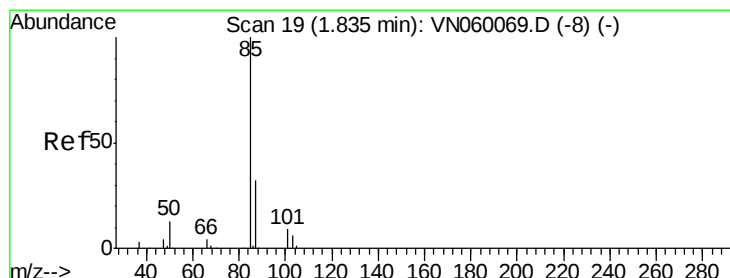
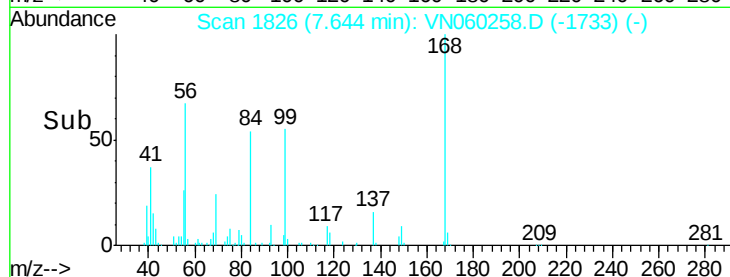
20000

0

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 46.849 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN060258.D

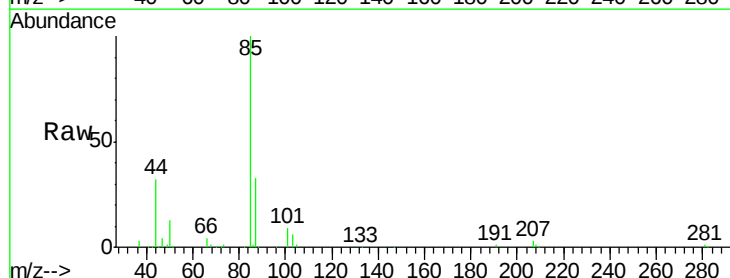
Acq: 26 Feb 2020 17:51

Tgt Ion: 85 Resp: 95714

Ion Ratio Lower Upper

85 100

87 32.6 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

80000

60000

40000

20000

0

1.75

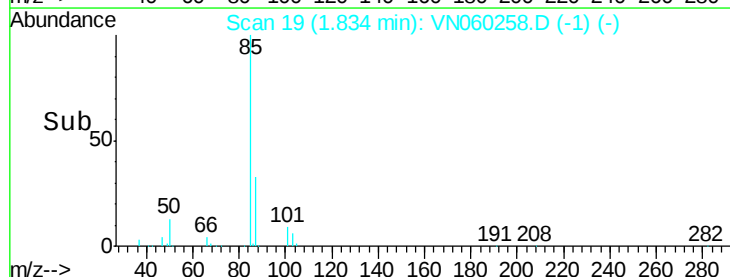
1.80

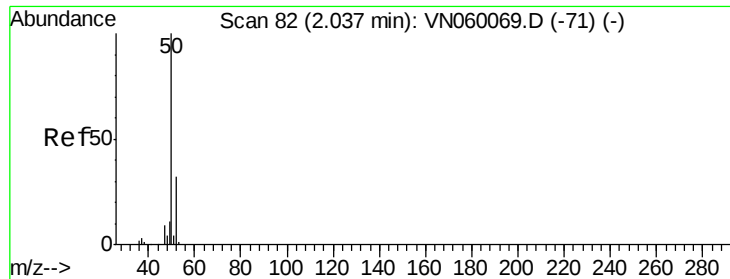
1.85

1.90

1.95

Time-->





#3

Chloromethane

Concen: 71.304 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN060258.D

Acq: 26 Feb 2020 17:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 173361

Ion Ratio Lower Upper

50 100

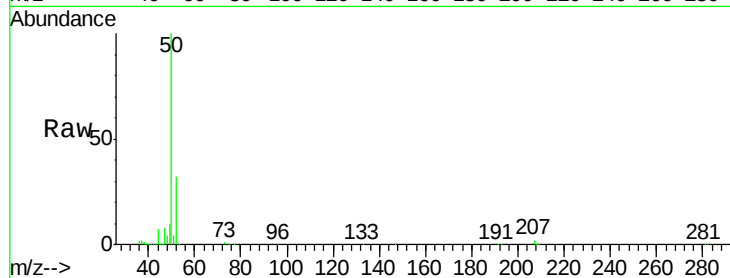
52 32.0 25.6 38.4

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.04

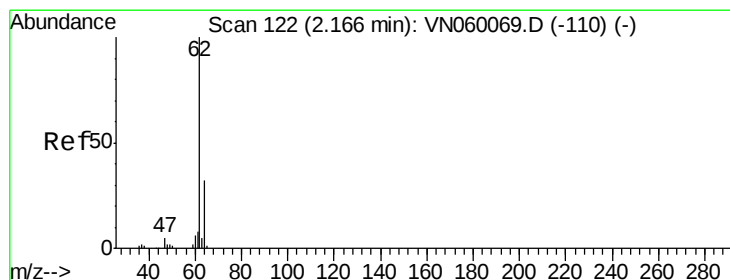
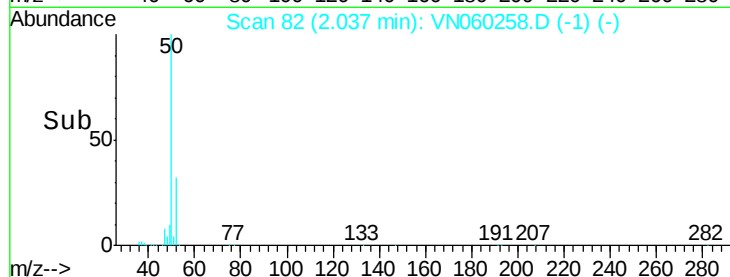
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 51.506 ug/l

RT: 2.16 min Scan# 121

Delta R.T. -0.00 min

Lab File: VN060258.D

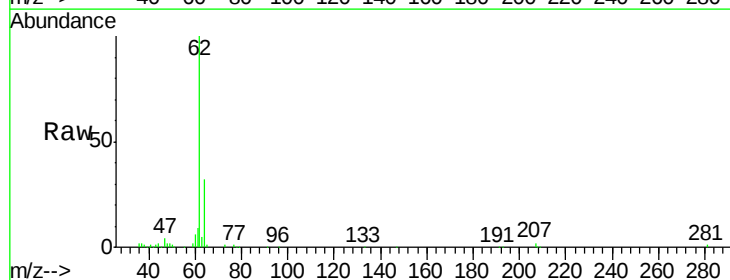
Acq: 26 Feb 2020 17:51

Tgt Ion: 62 Resp: 142737

Ion Ratio Lower Upper

62 100

64 31.8 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.16

100000

80000

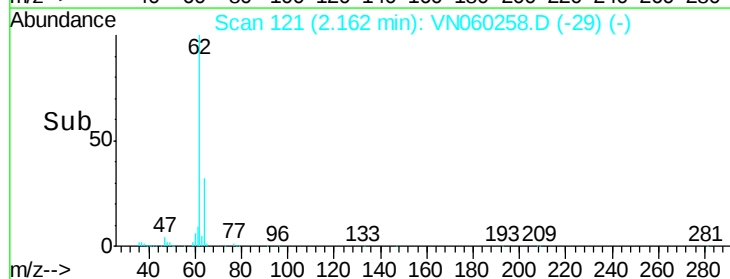
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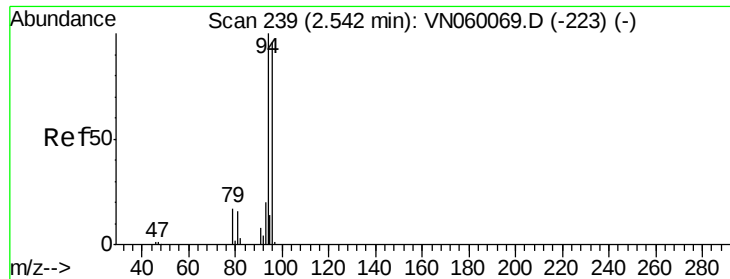
40000

20000

0

Time-->





#5

Bromomethane

Concen: 28.159 ug/l

RT: 2.54 min Scan# 237

Delta R.T. -0.01 min

Lab File: VN060258.D

Acq: 26 Feb 2020 17:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 47850

Ion Ratio Lower Upper

94 100

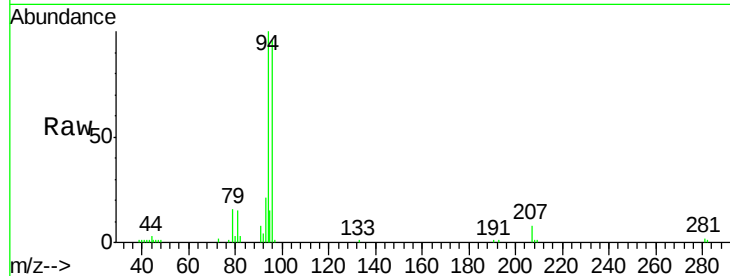
96 94.9 76.7 115.1

Manual Integrations

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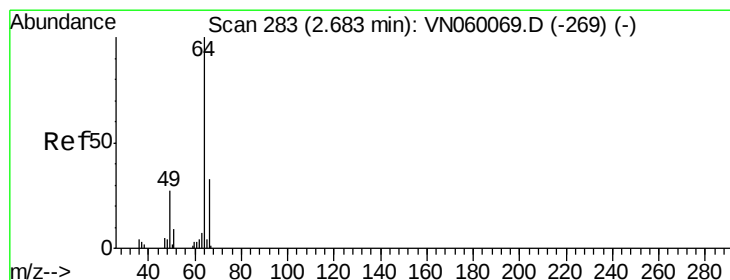
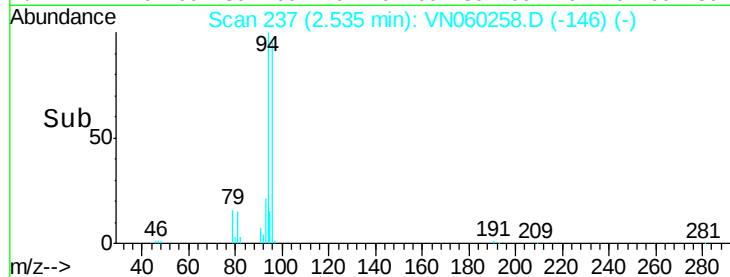
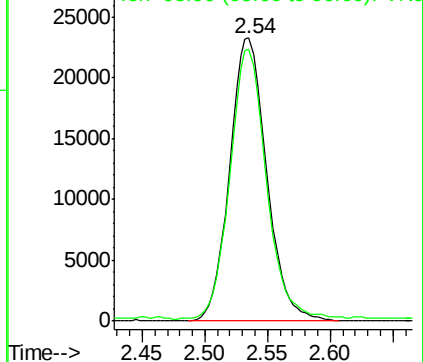
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 53.619 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.00 min

Lab File: VN060258.D

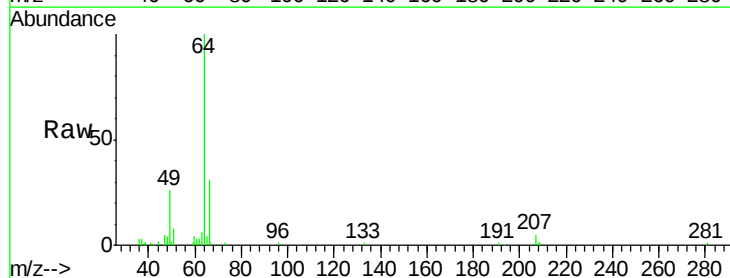
Acq: 26 Feb 2020 17:51

Tgt Ion: 64 Resp: 75157

Ion Ratio Lower Upper

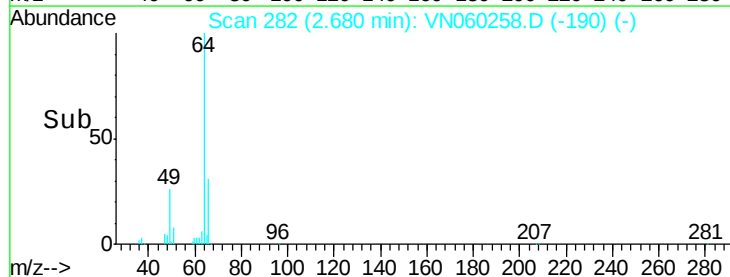
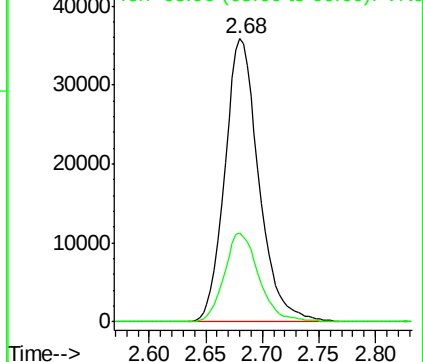
64 100

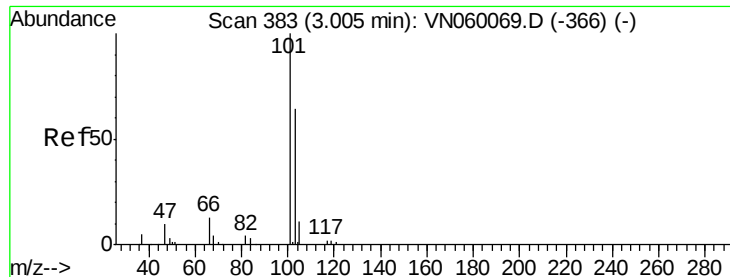
66 31.3 26.6 40.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

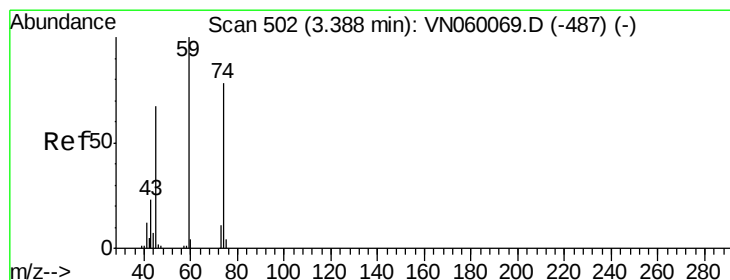
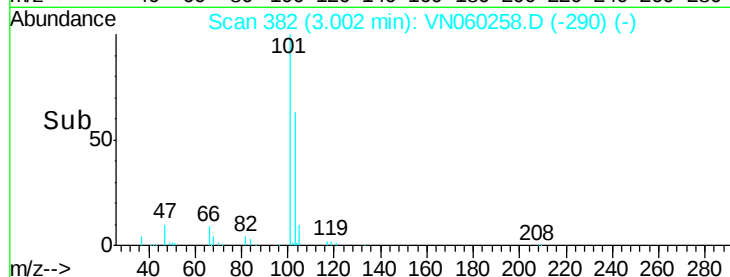
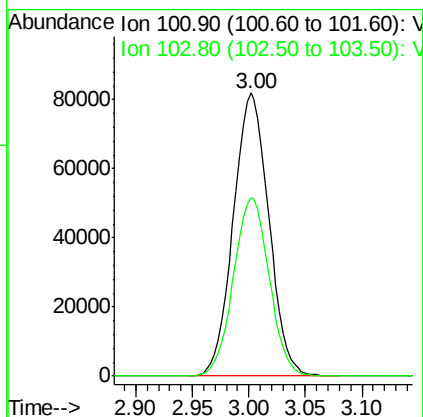
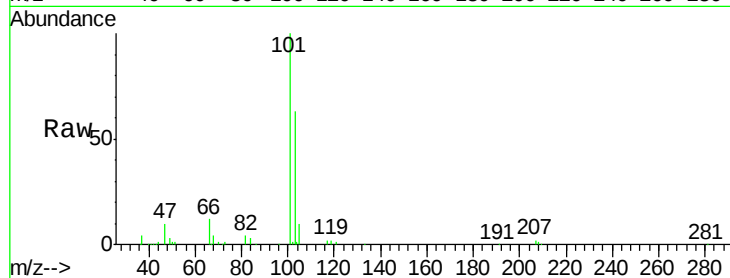
Trichlorofluoromethane
Concen: 50.101 ug/l
RT: 3.00 min Scan# 382
Delta R.T. -0.00 min
Lab File: VN060258.D
Acq: 26 Feb 2020 17:51

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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.1	51.0	76.6

Manual Integrations
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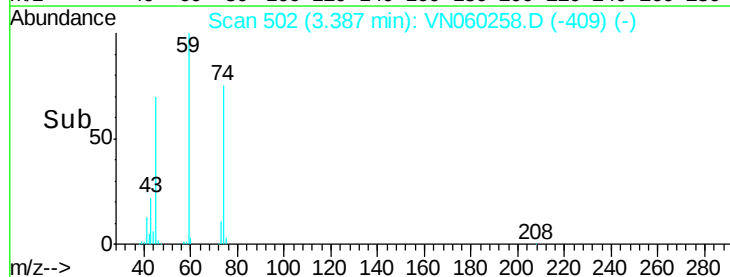
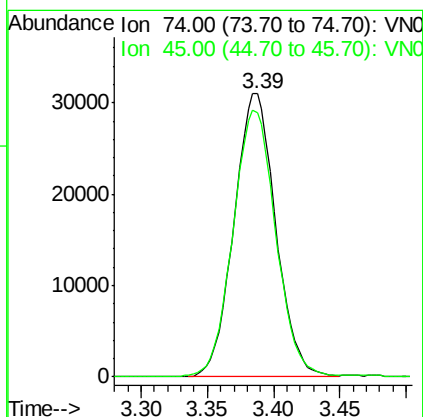
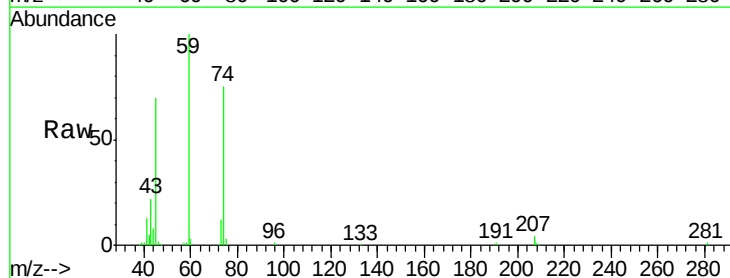
MMDadoda
2/27/2020 9:41:02 AM

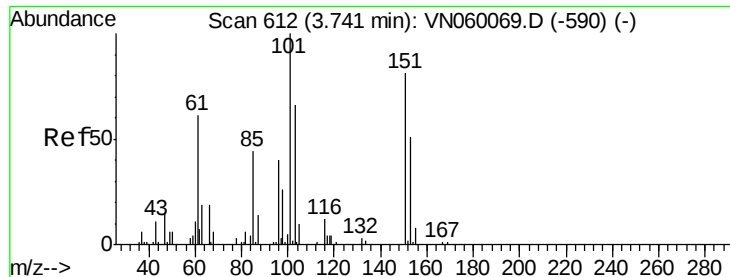


#8

Diethyl Ether
Concen: 56.919 ug/l
RT: 3.39 min Scan# 502
Delta R.T. -0.00 min
Lab File: VN060258.D
Acq: 26 Feb 2020 17:51

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.9	44.7	134.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.585 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN060258.D

Acq: 26 Feb 2020 17:51

Instrument :

MSVOA_N

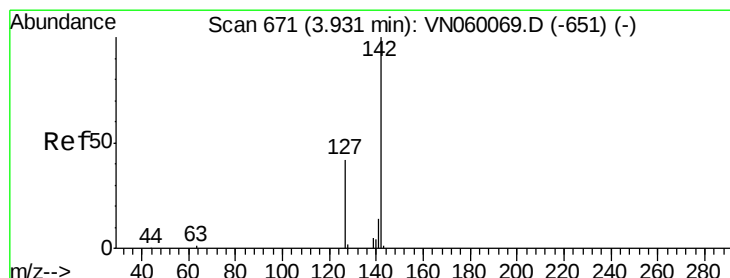
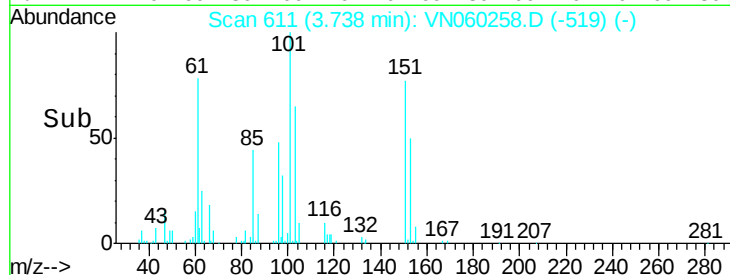
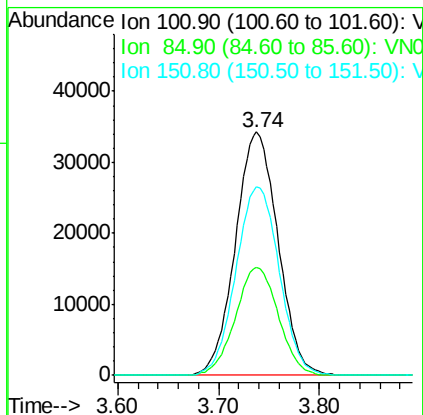
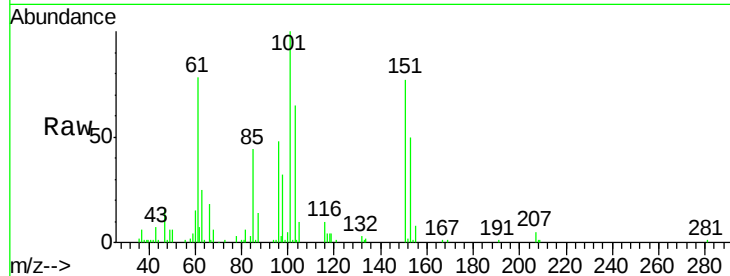
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	100345
Ion Ratio	Lower	Upper	
101	100		
85	44.4	35.1	52.7
151	78.8	65.8	98.6

Manual Integrations
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#10

Methyl Iodide

Concen: 34.363 ug/l

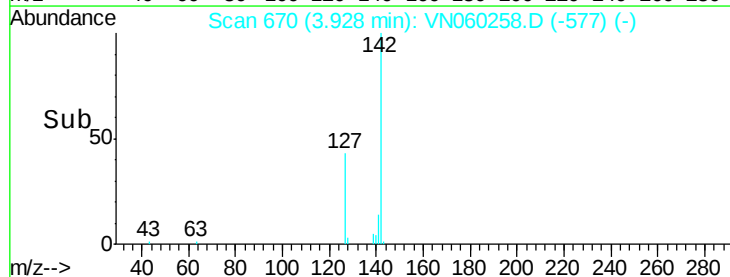
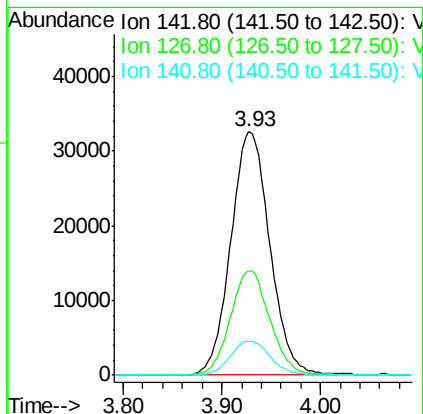
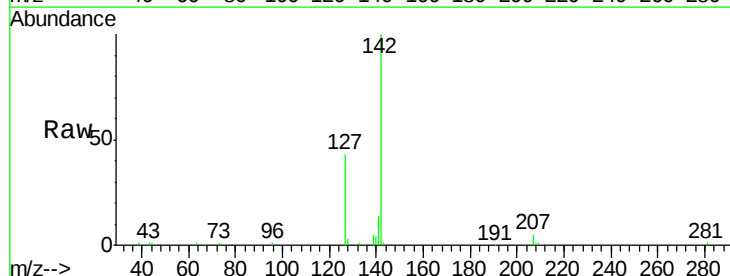
RT: 3.93 min Scan# 670

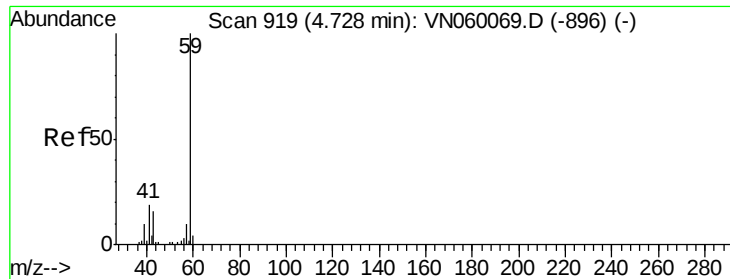
Delta R.T. -0.00 min

Lab File: VN060258.D

Acq: 26 Feb 2020 17:51

Tgt Ion:	142	Resp:	89426
Ion Ratio	Lower	Upper	
142	100		
127	43.5	33.6	50.4
141	14.2	11.4	17.2





#11

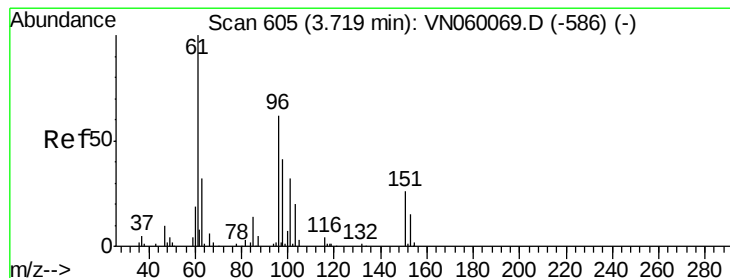
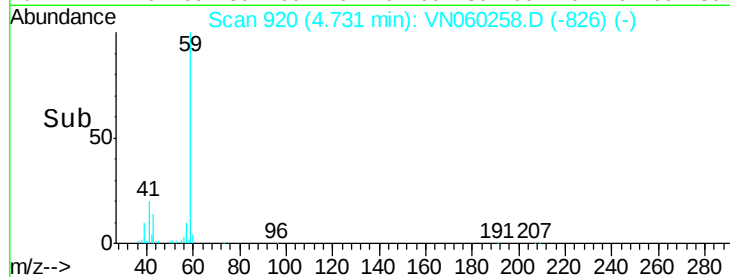
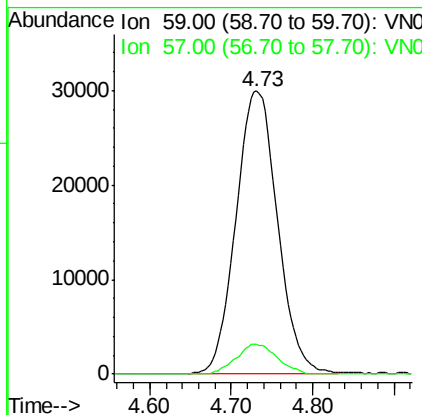
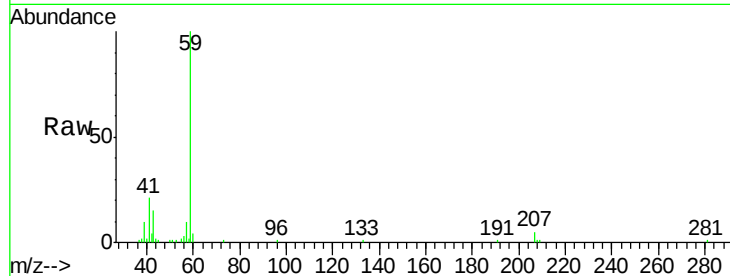
Tert butyl alcohol
 Concen: 284.547 ug/l
 RT: 4.73 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VN060258.D
 Acq: 26 Feb 2020 17:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.2	12.4

Manual Integrations
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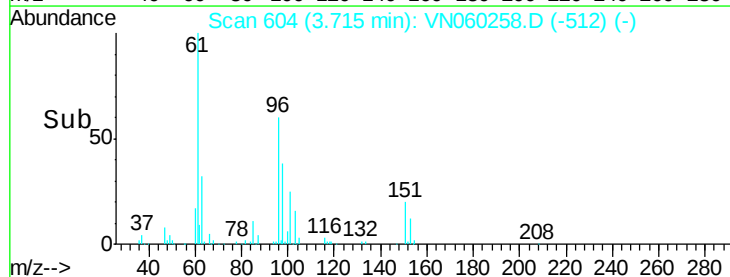
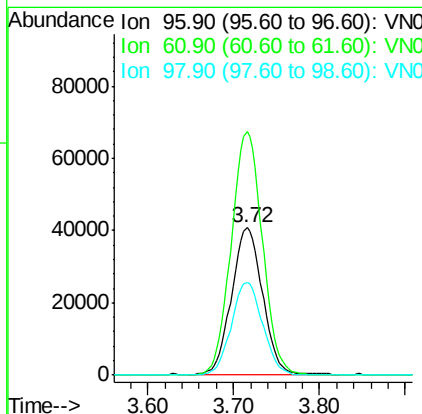
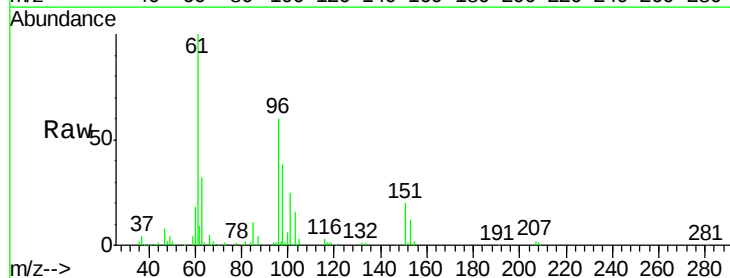
MMDadoda
 2/27/2020 9:41:02 AM

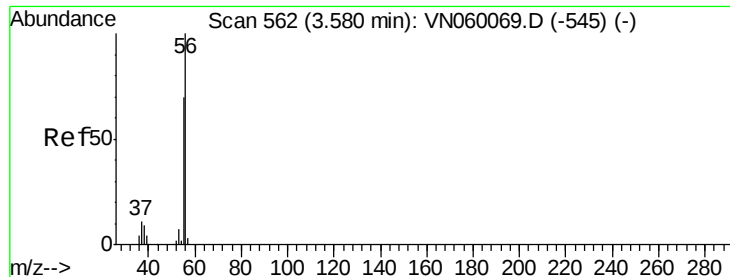


#12

1,1-Dichloroethene
 Concen: 52.394 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. -0.00 min
 Lab File: VN060258.D
 Acq: 26 Feb 2020 17:51

Tgt Ion	Ratio	Lower	Upper
96	100		
61	166.4	128.3	192.5
98	63.3	52.2	78.4





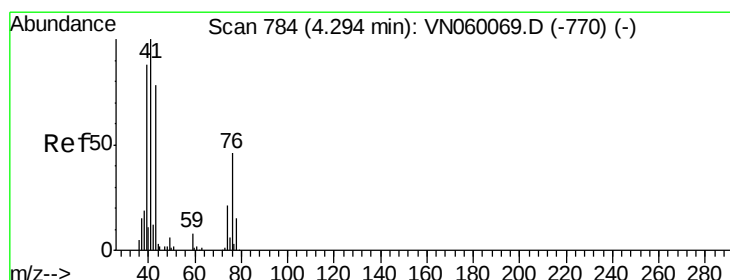
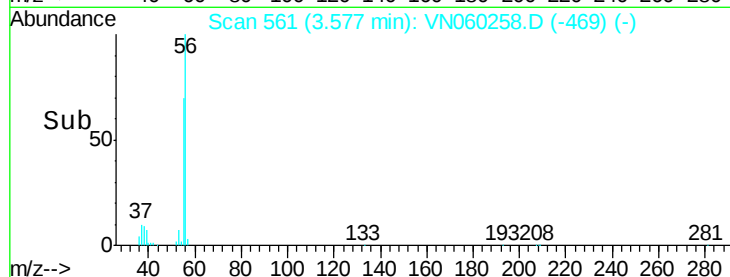
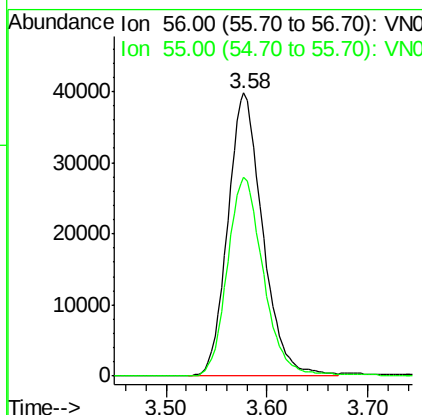
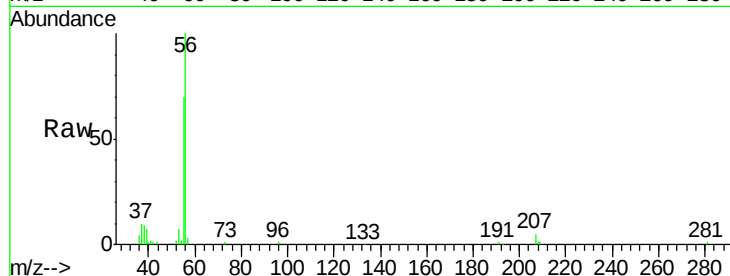
#13
Acrolein
Concen: 260.396 ug/l
RT: 3.58 min Scan# 561
Delta R.T. -0.00 min
Lab File: VN060258.D
Acq: 26 Feb 2020 17:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	56	Resp	95795
Ion Ratio	100	Lower	Upper
55	71.7	54.8	82.2

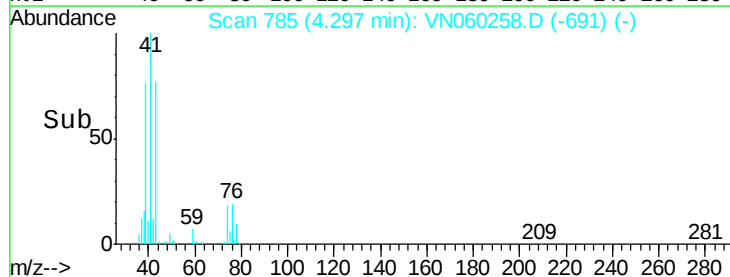
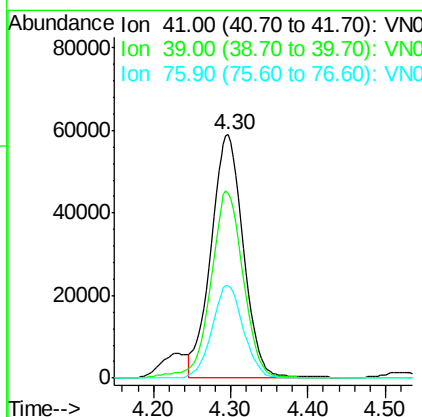
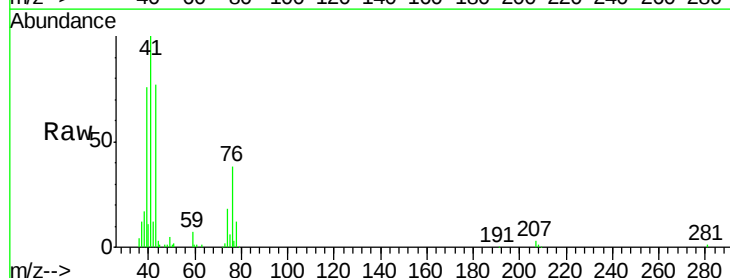
Manual Integrations
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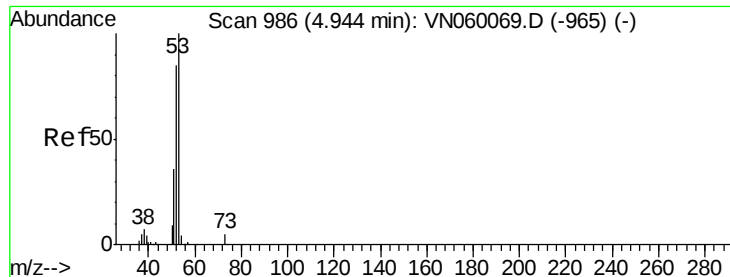
MMDadoda
2/27/2020 9:41:02 AM



#14
Allyl chloride
Concen: 60.226 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.00 min
Lab File: VN060258.D
Acq: 26 Feb 2020 17:51

Tgt Ion	41	Resp	171299
Ion Ratio	100	Lower	Upper
39	77.5	67.8	101.8
76	37.2	33.9	50.9





#15

Acrylonitrile

Concen: 310.828 ug/l

RT: 4.94 min Scan# 986

Delta R.T. -0.00 min

Lab File: VN060258.D

Acq: 26 Feb 2020 17:51

Instrument :

MSVOA_N

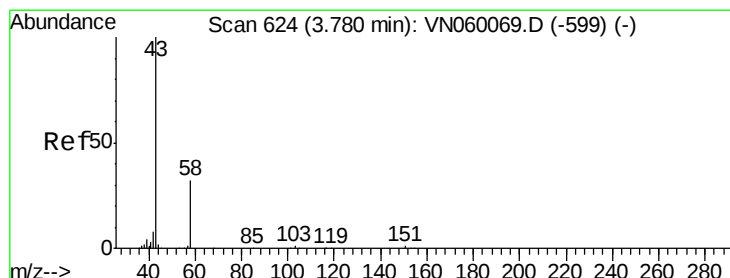
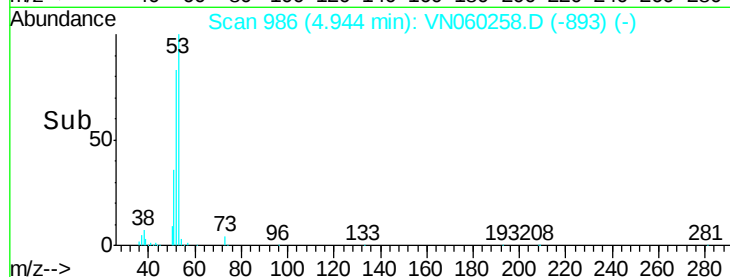
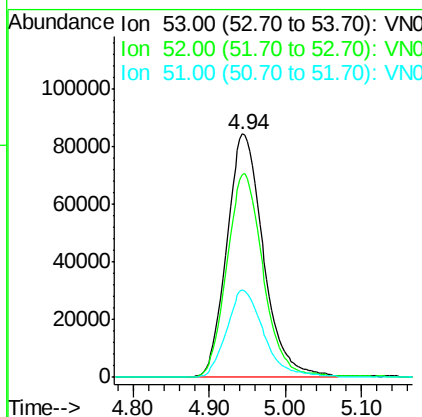
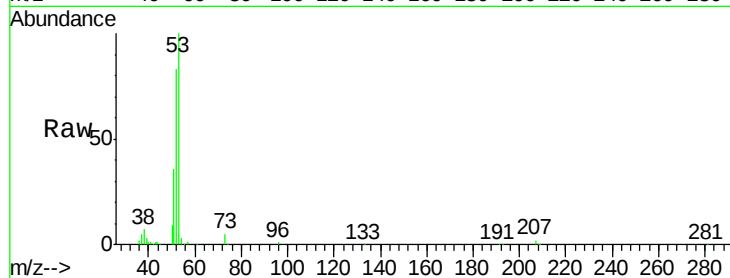
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	282519
Ion Ratio	Lower	Upper	
53	100		
52	83.0	66.8	100.2
51	36.8	29.4	44.0

Manual Integrations
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#16

Acetone

Concen: 219.914 ug/l

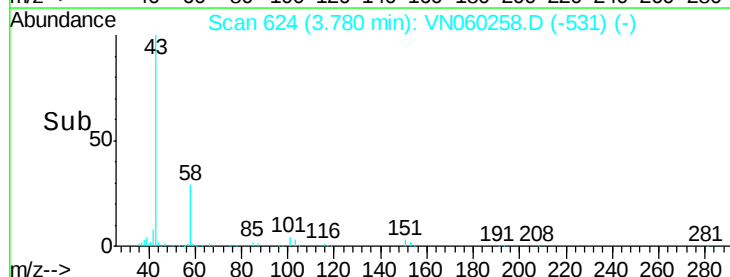
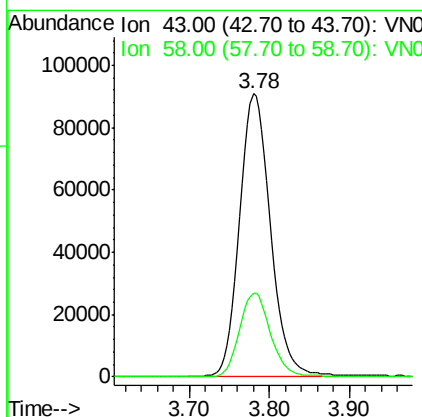
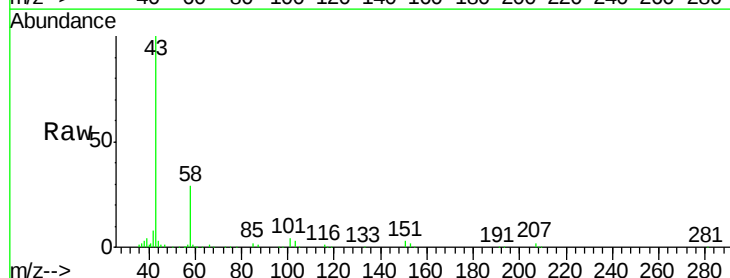
RT: 3.78 min Scan# 624

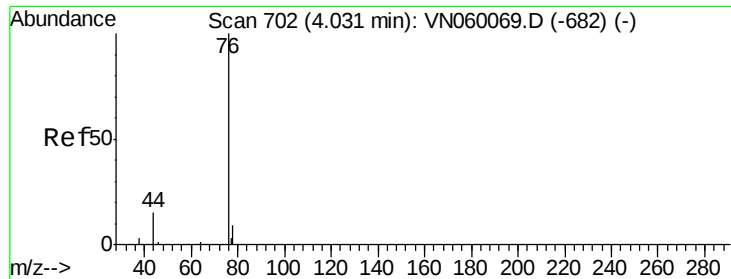
Delta R.T. -0.00 min

Lab File: VN060258.D

Acq: 26 Feb 2020 17:51

Tgt Ion:	43	Resp:	238577
Ion Ratio	Lower	Upper	
43	100		
58	29.4	25.2	37.8





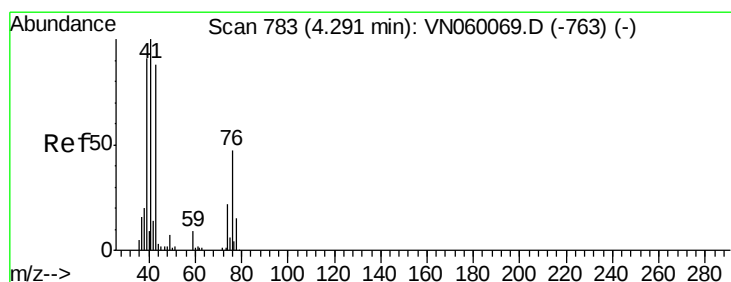
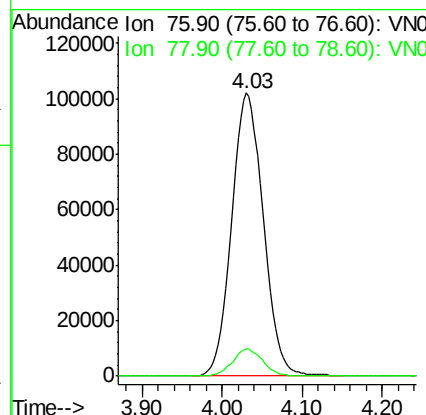
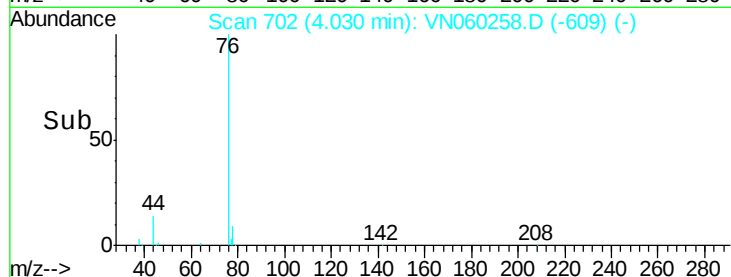
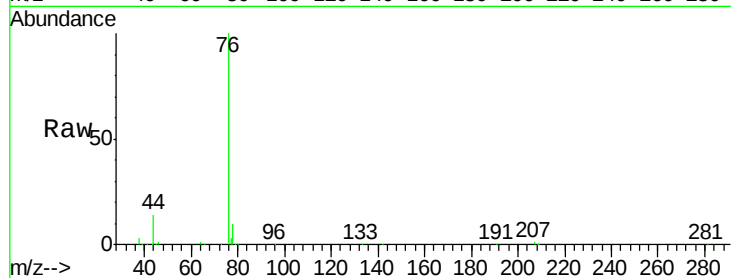
#17
Carbon Disulfide
Concen: 47.075 ug/l
RT: 4.03 min Scan# 702
Delta R.T. -0.00 min
Lab File: VN060258.D
Acq: 26 Feb 2020 17:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.0	10.6

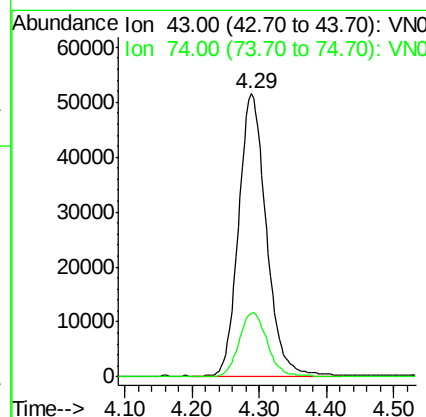
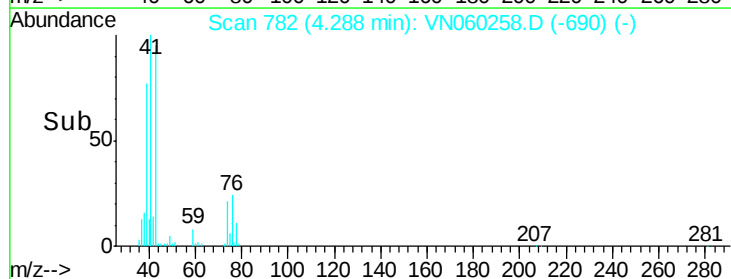
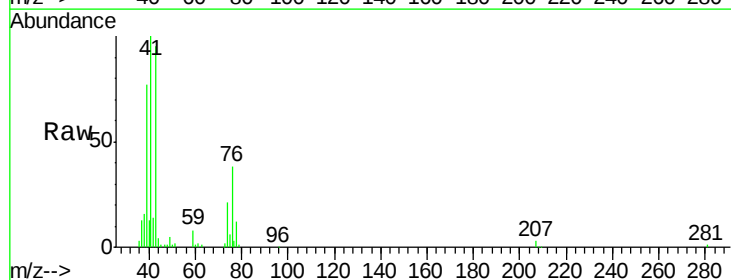
Manual Integrations
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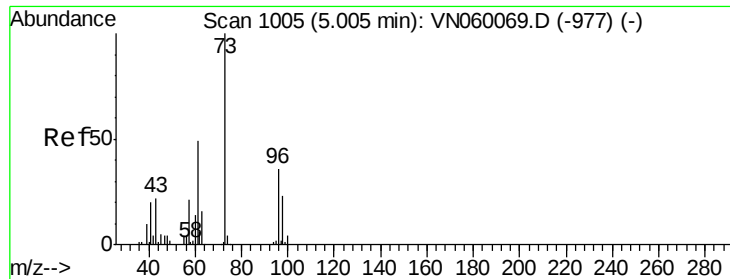
MMDadoda
2/27/2020 9:41:02 AM



#18
Methyl Acetate
Concen: 71.856 ug/l
RT: 4.29 min Scan# 782
Delta R.T. -0.00 min
Lab File: VN060258.D
Acq: 26 Feb 2020 17:51

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.4	20.3	30.5





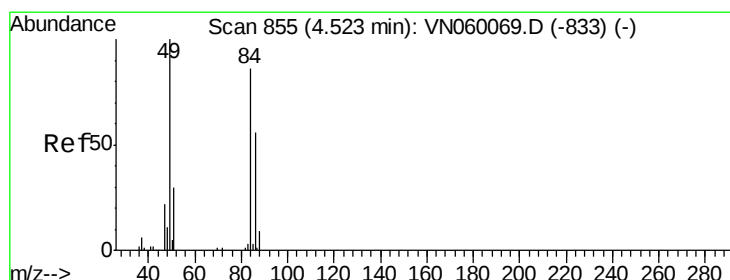
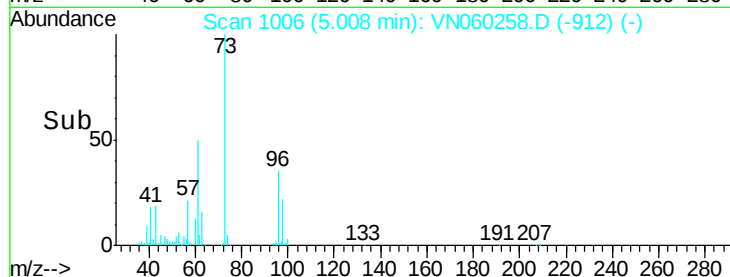
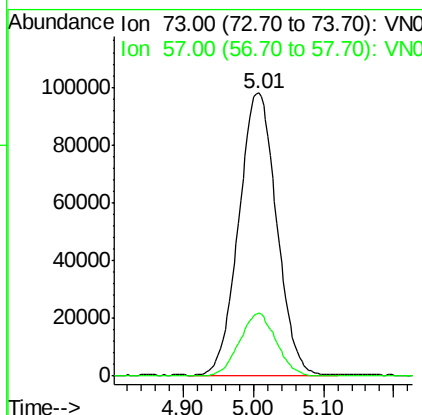
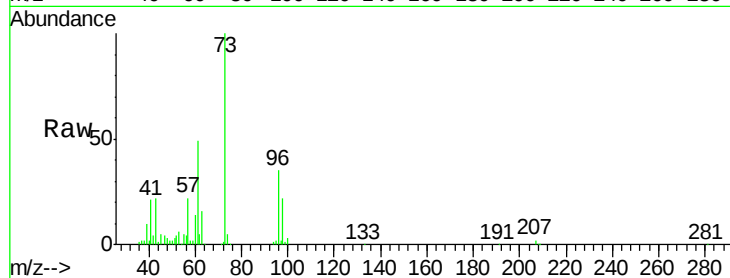
#19
Methvl tert-butvl Ether
Concen: 56.361 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. 0.00 min
Lab File: VN060258.D
Acq: 26 Feb 2020 17:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 366274
Ion Ratio Lower Upper
73 100
57 22.5 17.2 25.8

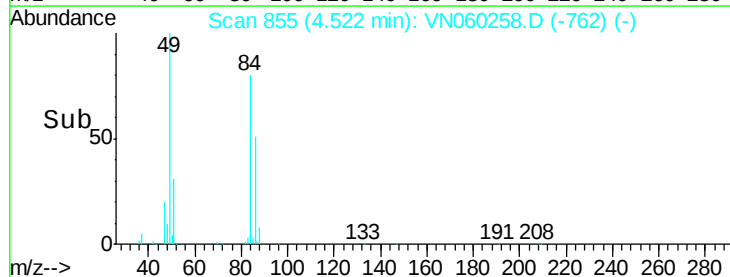
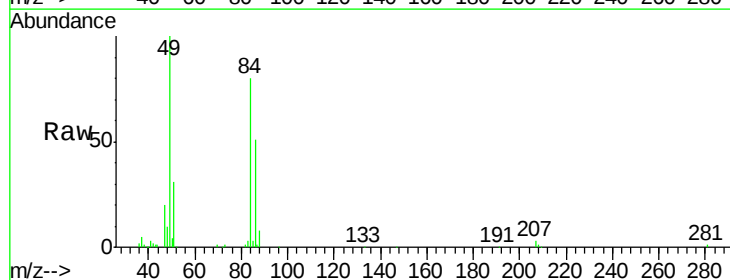
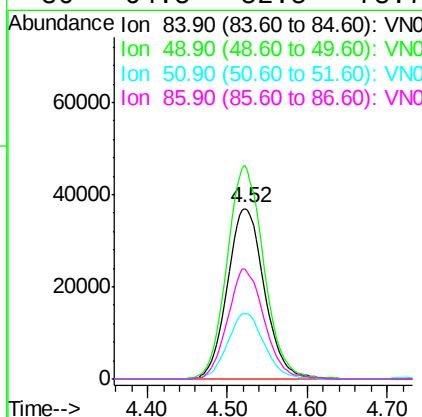
Manual Integrations
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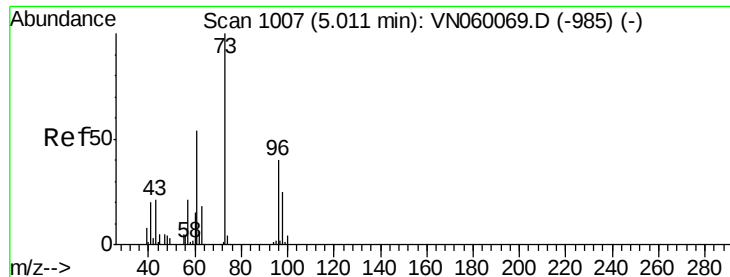
MMDadoda
2/27/2020 9:41:02 AM



#20
Methylene Chloride
Concen: 53.736 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN060258.D
Acq: 26 Feb 2020 17:51

Tgt Ion: 84 Resp: 116306
Ion Ratio Lower Upper
84 100
49 125.0 93.4 140.0
51 38.7 28.4 42.6
86 64.5 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 51.494 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. -0.00 min

Lab File: VN060258.D

Acq: 26 Feb 2020 17:51

Instrument :

MSVOA_N

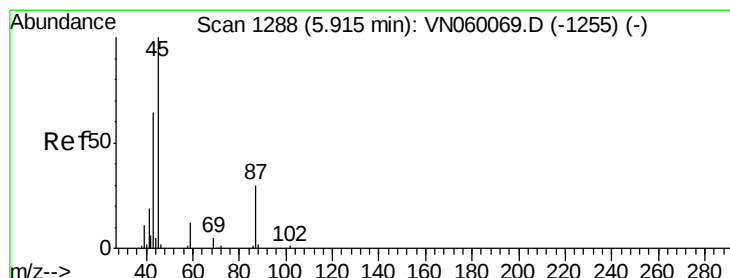
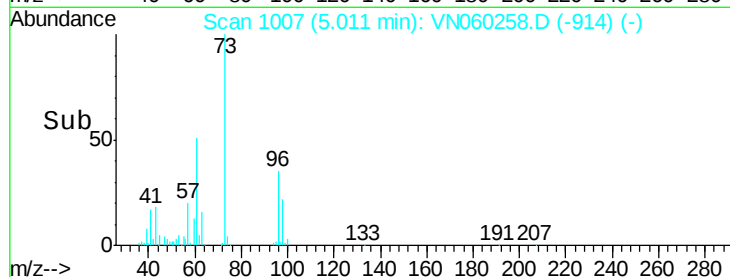
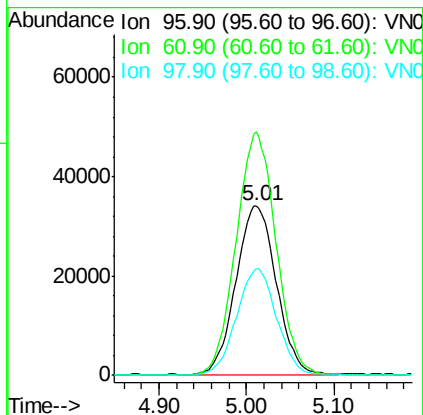
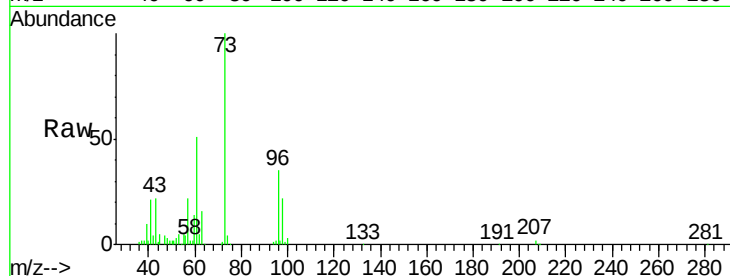
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	108474
Ion	Ratio	Lower	Upper
96	100		
61	144.0	109.3	163.9
98	63.1	51.0	76.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 60.246 ug/l

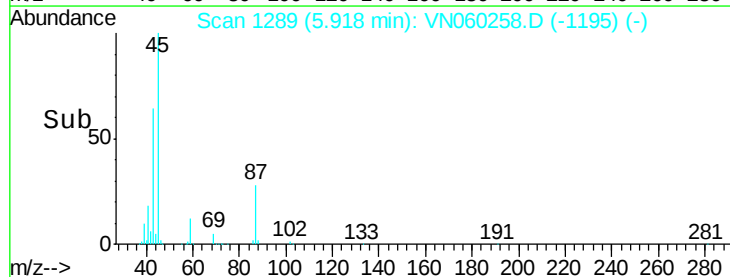
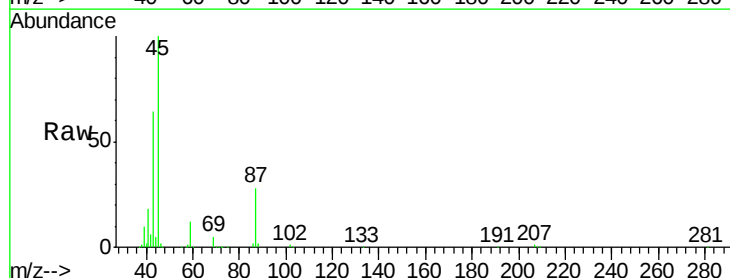
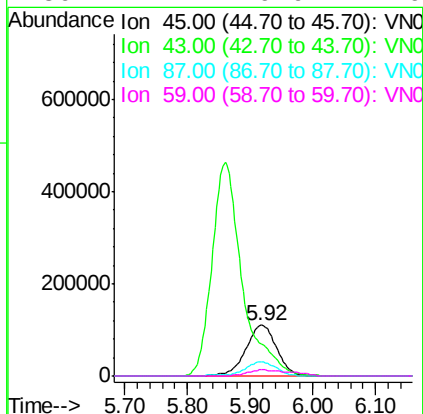
RT: 5.92 min Scan# 1289

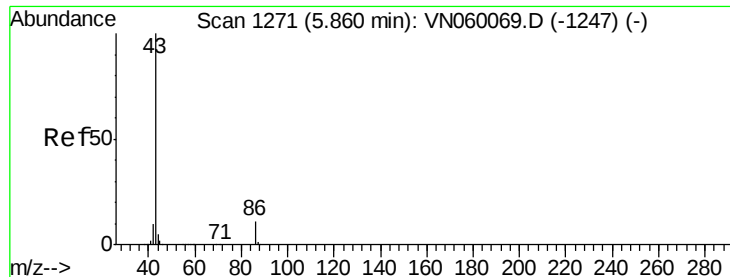
Delta R.T. 0.00 min

Lab File: VN060258.D

Acq: 26 Feb 2020 17:51

Tgt Ion:	45	Resp:	375545
Ion	Ratio	Lower	Upper
45	100		
43	62.8	55.9	83.9
87	28.0	24.5	36.7
59	12.1	9.9	14.9





#23

Vinyl Acetate

Concen: 297.713 ug/l

RT: 5.86 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VN060258.D

Acq: 26 Feb 2020 17:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1558440

Ion Ratio Lower Upper

43 100

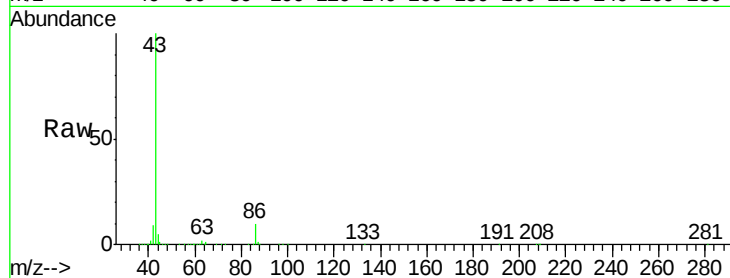
86 10.0 8.9 13.3

Manual Integrations

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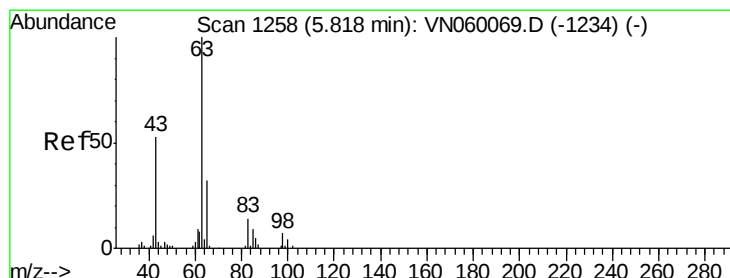
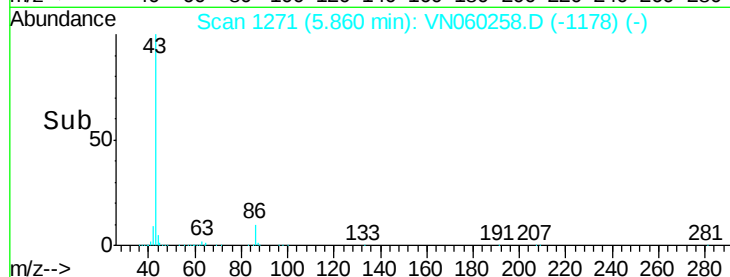
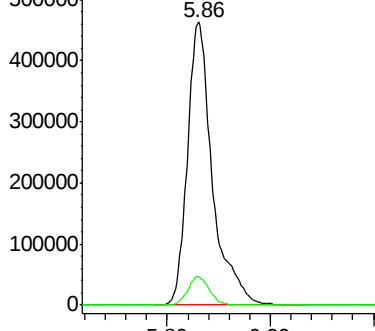
MMDadoda

2/27/2020 9:41:02 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 56.165 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VN060258.D

Acq: 26 Feb 2020 17:51

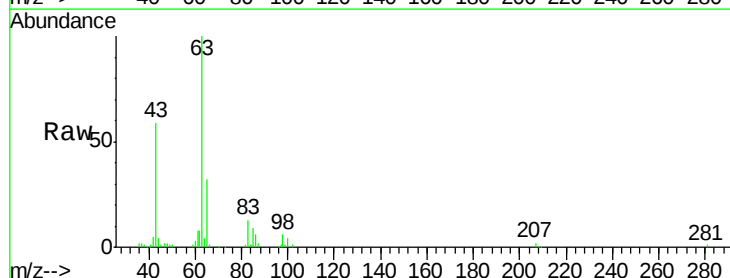
Tgt Ion: 63 Resp: 212090

Ion Ratio Lower Upper

63 100

98 6.0 3.5 10.5

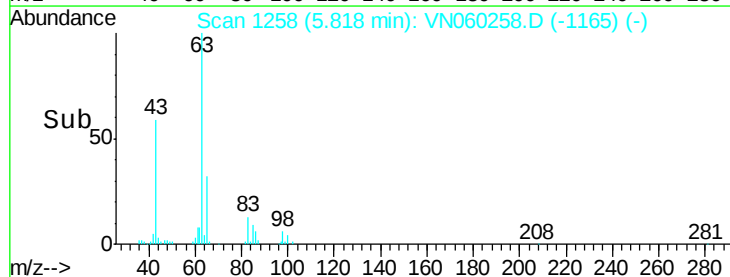
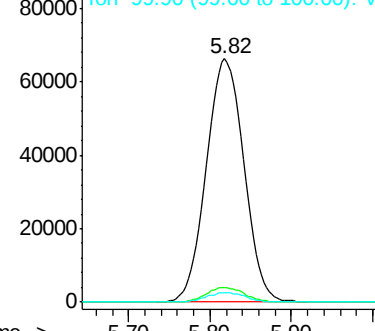
100 4.1 2.2 6.6

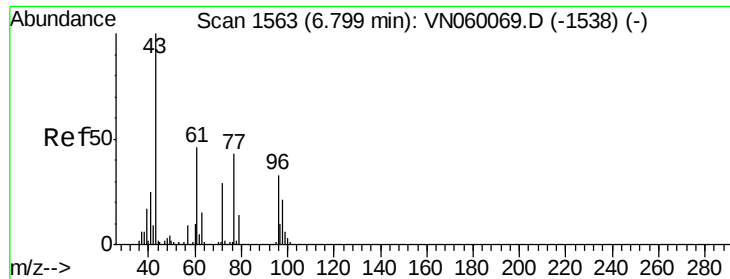


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 275.717 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN060258.D

Acq: 26 Feb 2020 17:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 376191

Ion Ratio Lower Upper

43 100

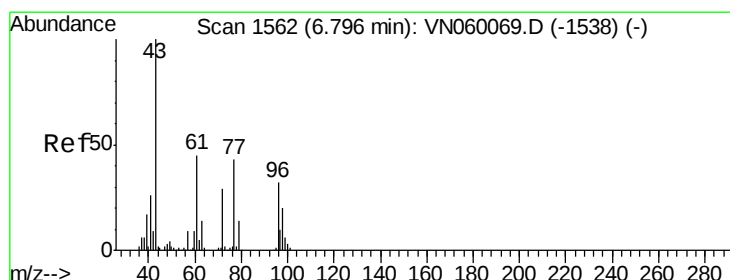
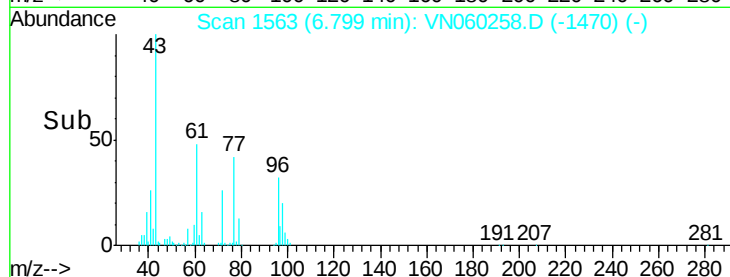
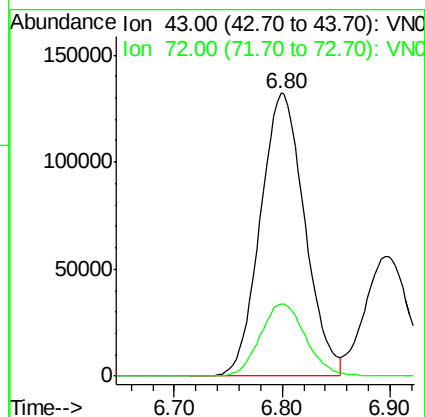
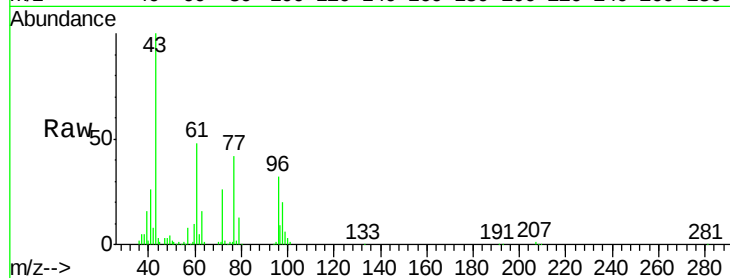
72 25.6 23.3 34.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 49.701 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060258.D

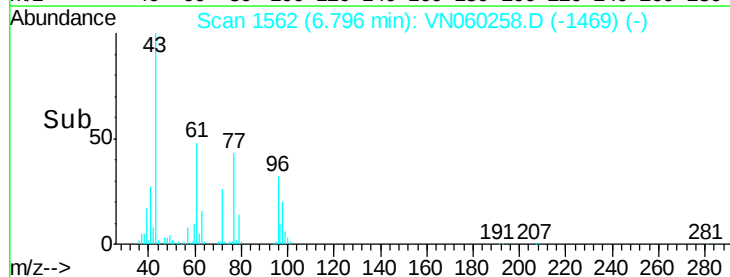
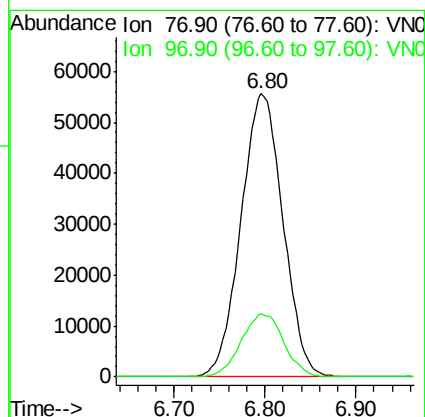
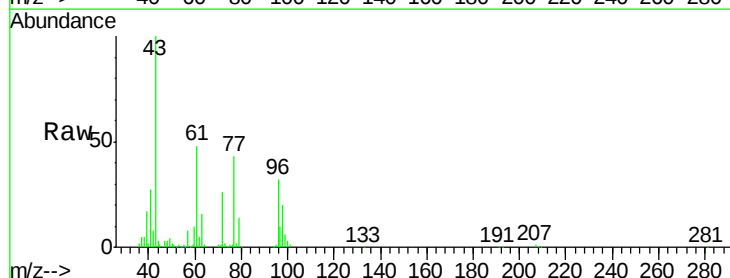
Acq: 26 Feb 2020 17:51

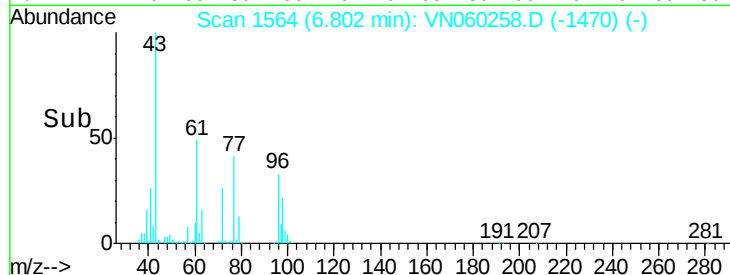
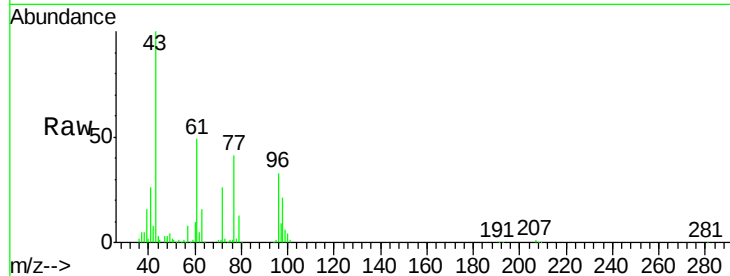
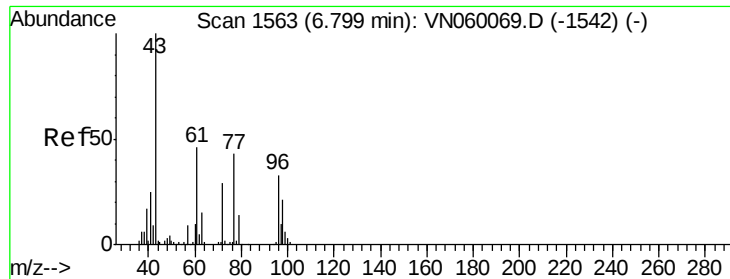
Tgt Ion: 77 Resp: 178263

Ion Ratio Lower Upper

77 100

97 22.6 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 52.137 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN060258.D

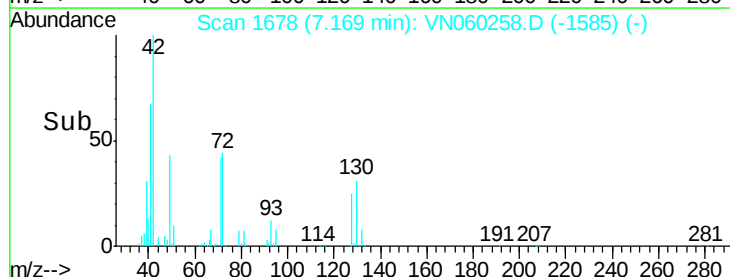
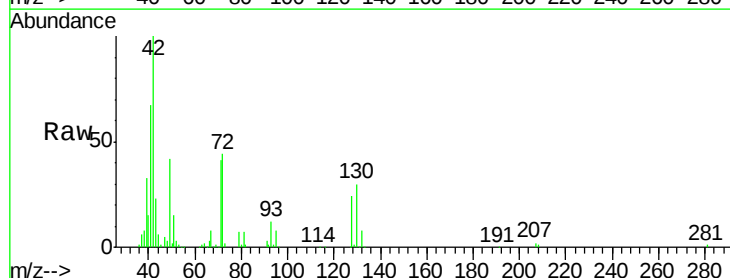
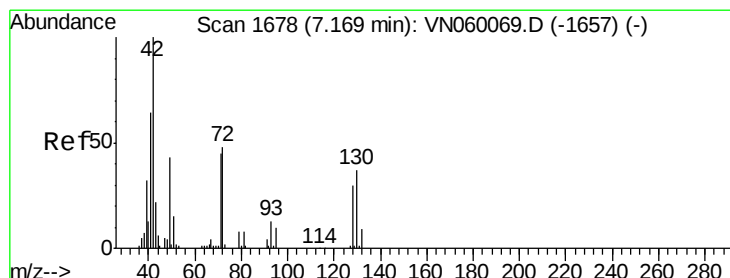
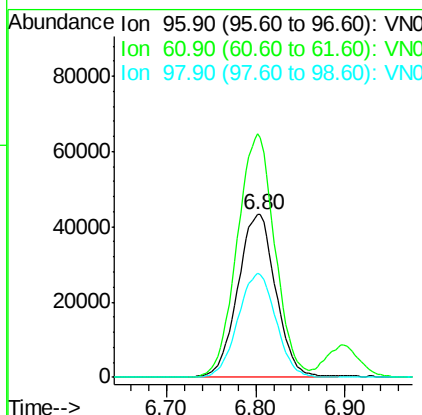
Acq: 26 Feb 2020 17:51

Tot Ion:	96	Resp:	128533
Ion Ratio	Lower	Upper	
96	100		
61	147.5	0.0	285.8
98	63.3	0.0	129.6

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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#28

Bromochloromethane

Concen: 55.349 ug/l

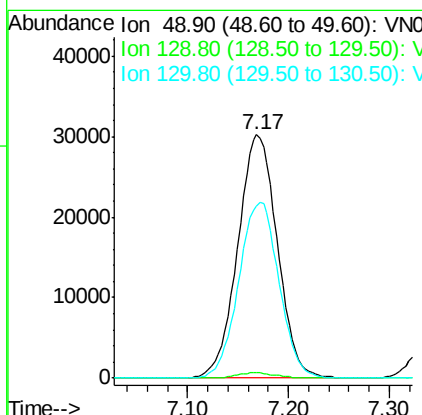
RT: 7.17 min Scan# 1678

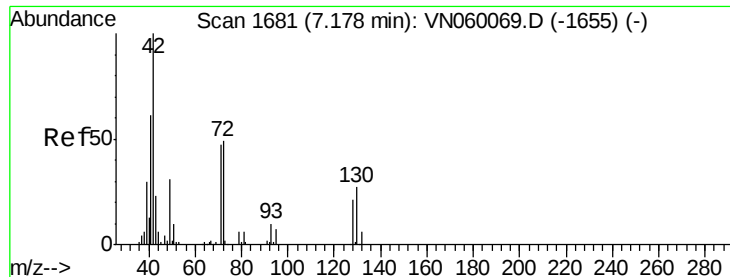
Delta R.T. -0.00 min

Lab File: VN060258.D

Acq: 26 Feb 2020 17:51

Tgt Ion:	49	Resp:	82169
Ion Ratio	Lower	Upper	
49	100		
129	2.0	0.0	2.2
130	73.5	66.8	100.2





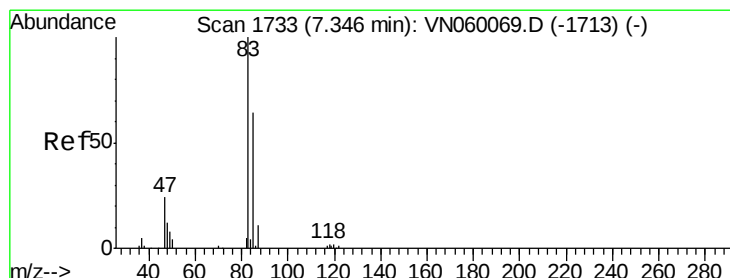
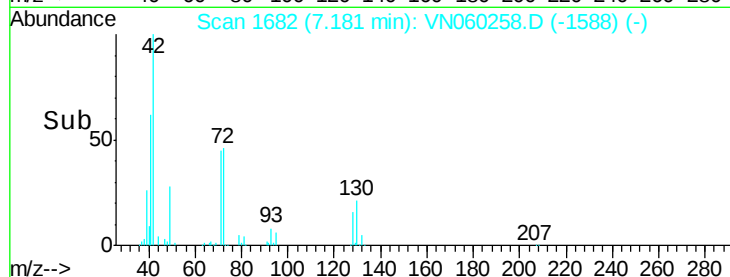
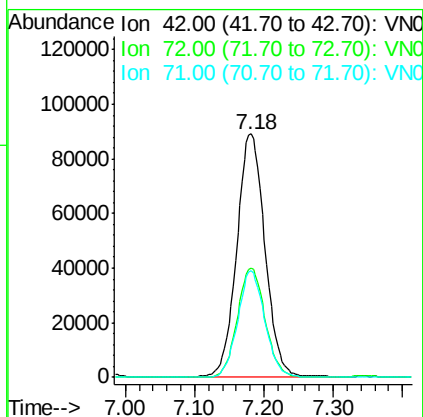
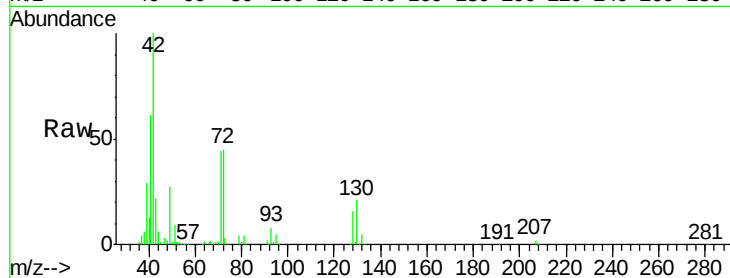
#29
Tetrahydrofuran
Concen: 302.842 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.00 min
Lab File: VN060258.D
Acq: 26 Feb 2020 17:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.1	38.2	57.4
71	41.9	36.6	54.8

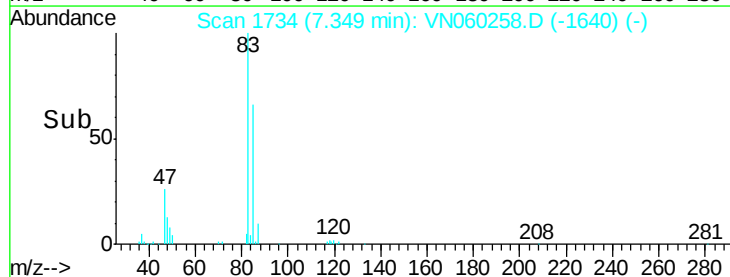
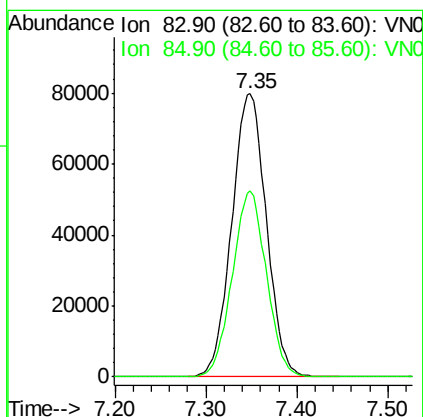
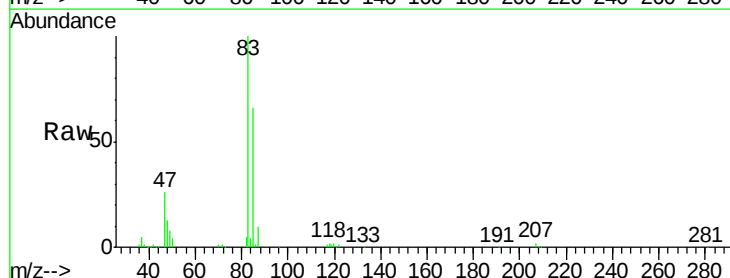
Manual Integrations
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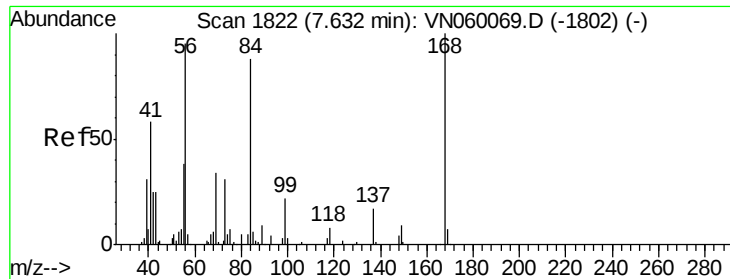
MMDadoda
2/27/2020 9:41:02 AM



#30
Chloroform
Concen: 53.190 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. 0.00 min
Lab File: VN060258.D
Acq: 26 Feb 2020 17:51

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	51.4	77.0





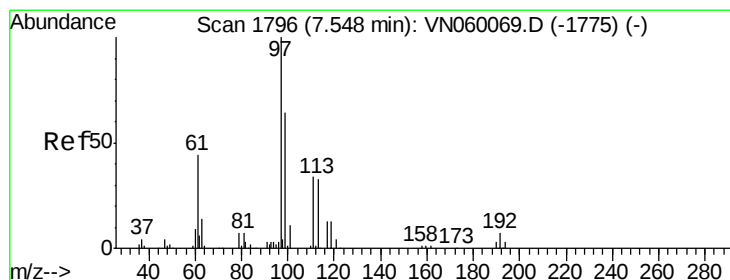
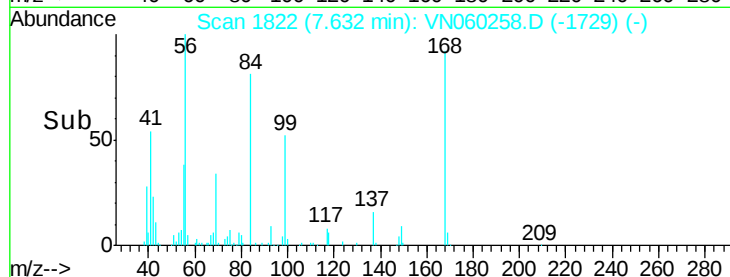
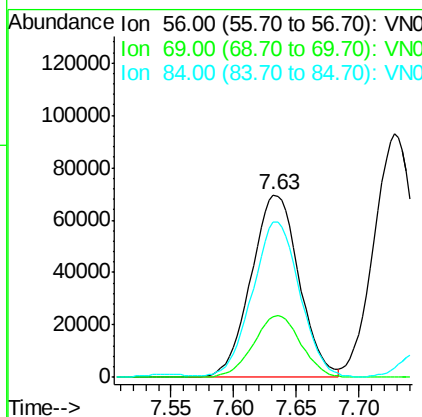
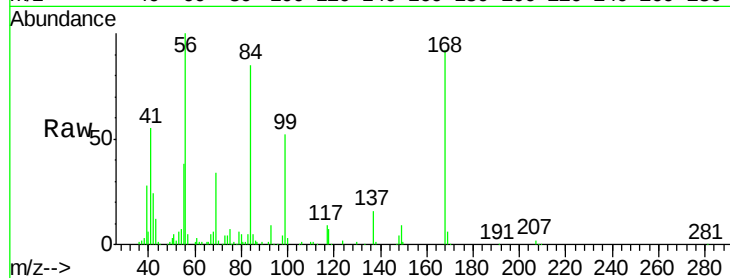
#31
Cyclohexane
Concen: 52.675 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VN060258.D
Acq: 26 Feb 2020 17:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.5	28.3	42.5
84	83.9	72.6	108.8

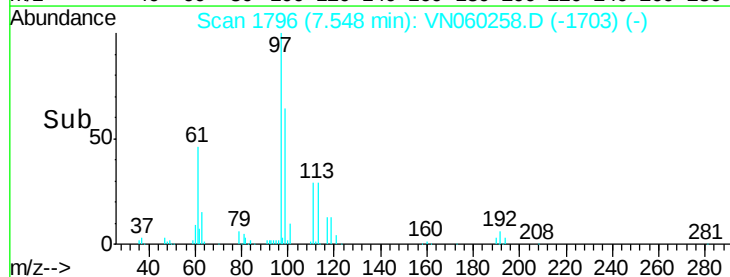
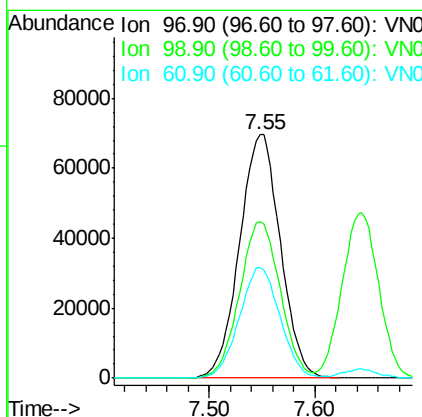
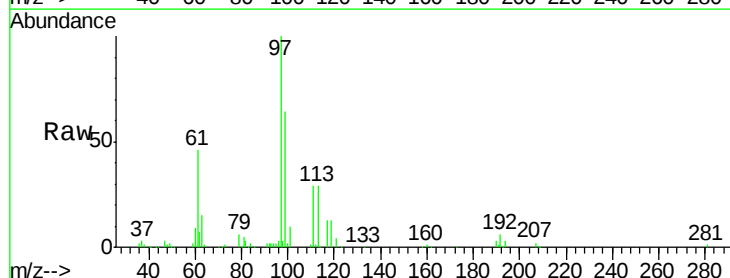
Manual Integrations
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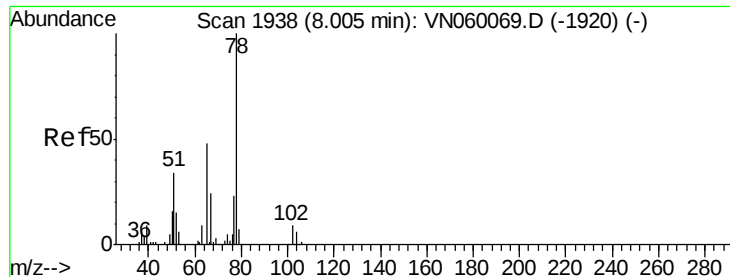
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 51.846 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VN060258.D
Acq: 26 Feb 2020 17:51

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.4	77.0
61	45.3	34.9	52.3





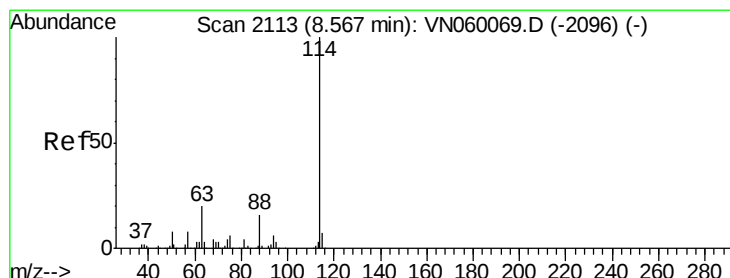
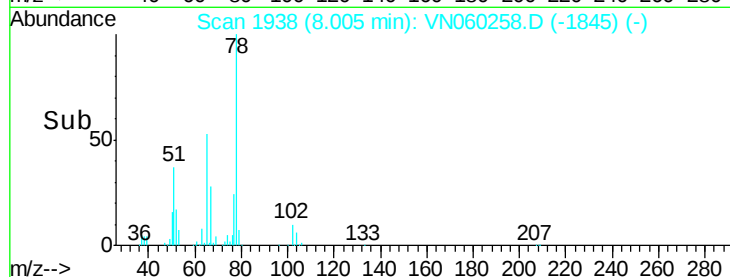
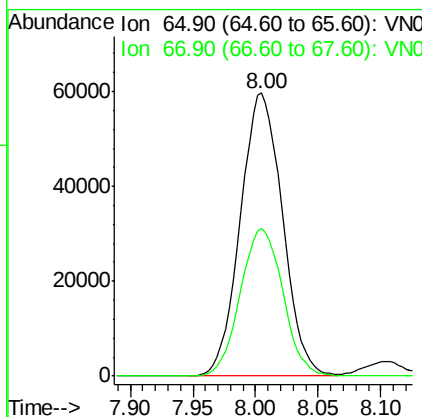
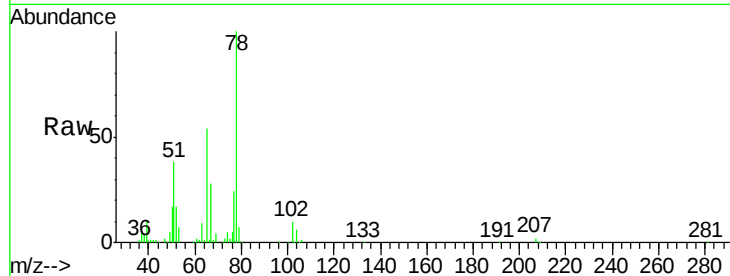
#33
 1,2-Dichloroethane-d4
 Concen: 56.266 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN060258.D
 Acq: 26 Feb 2020 17:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	104.0

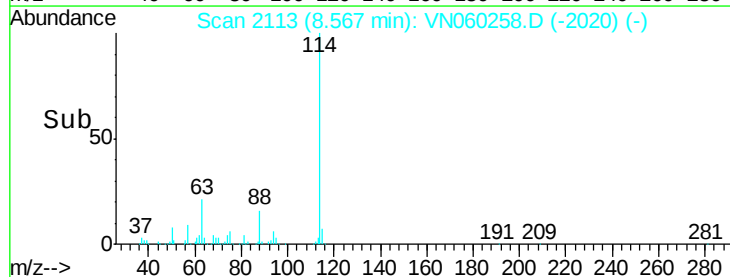
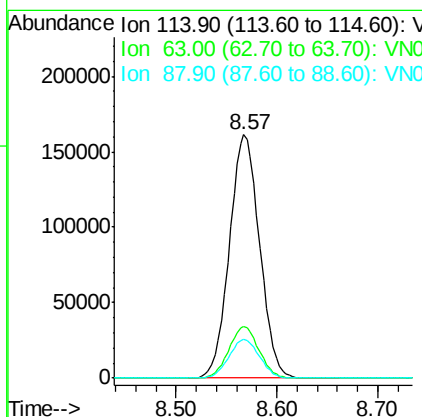
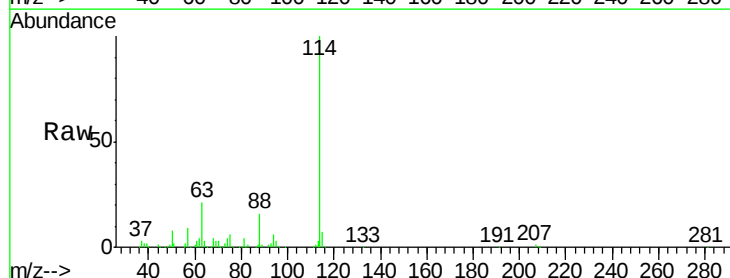
Manual Integrations
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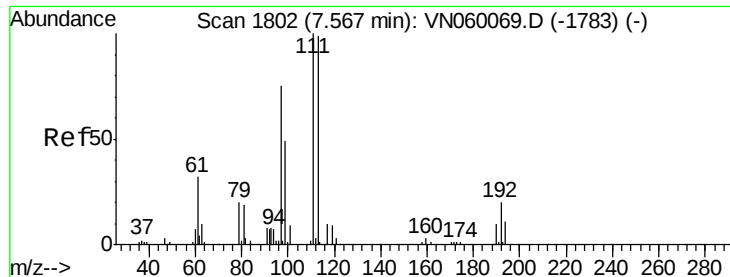
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 2/27/2020 9:41:02 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN060258.D
 Acq: 26 Feb 2020 17:51

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	40.0
88	16.2	0.0	31.6





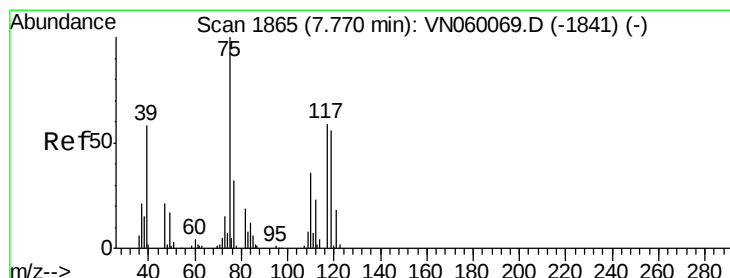
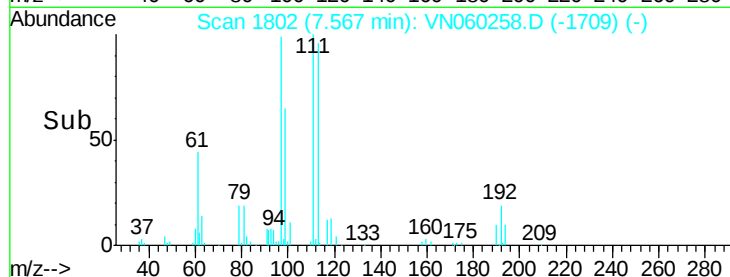
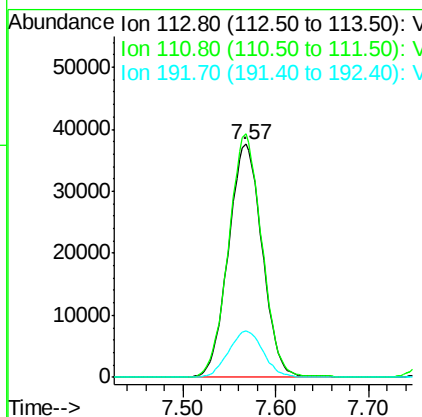
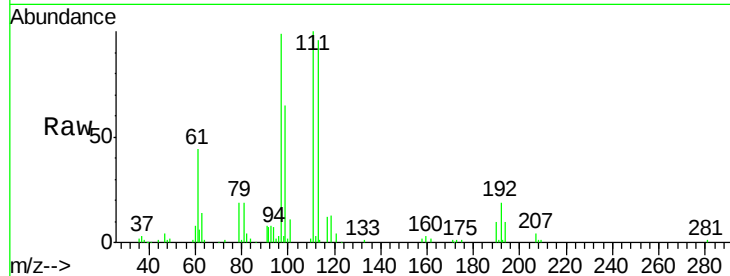
#35
Dibromofluoromethane
Concen: 46.209 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN060258.D
Acq: 26 Feb 2020 17:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.4	122.2
192	20.4	16.2	24.2

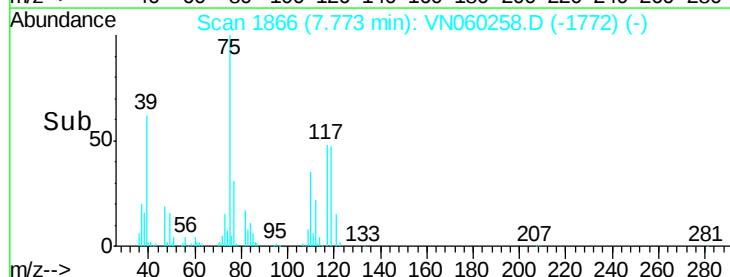
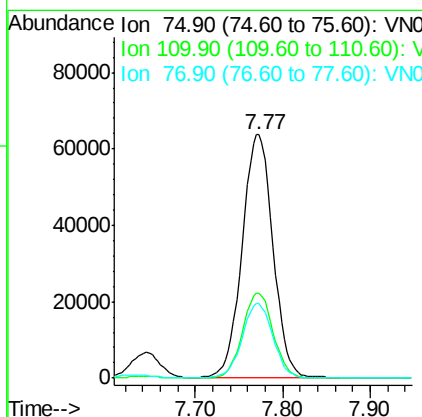
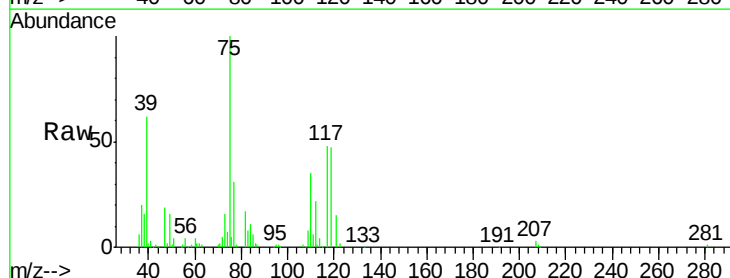
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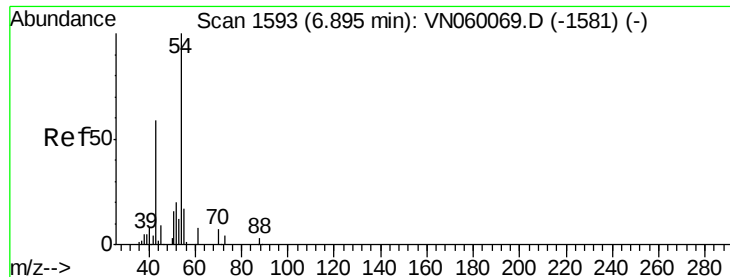
MMDadoda
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#36
1,1-Dichloropropene
Concen: 50.299 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN060258.D
Acq: 26 Feb 2020 17:51

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.5	18.1	54.3
77	30.5	25.1	37.7





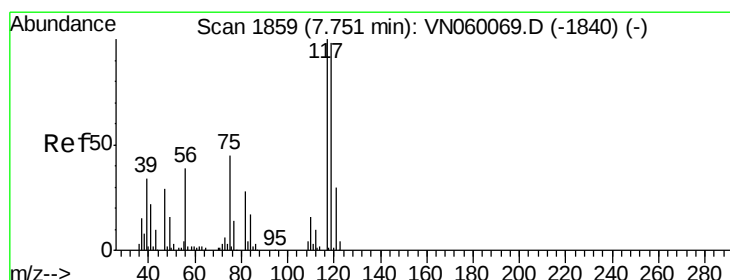
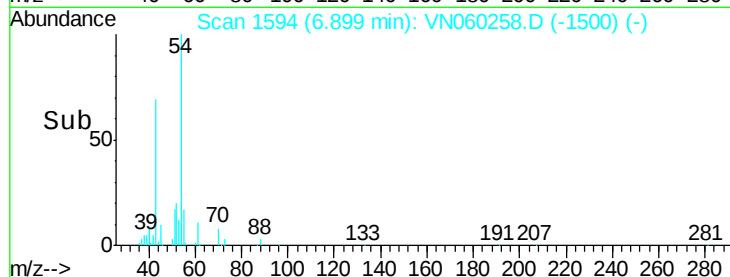
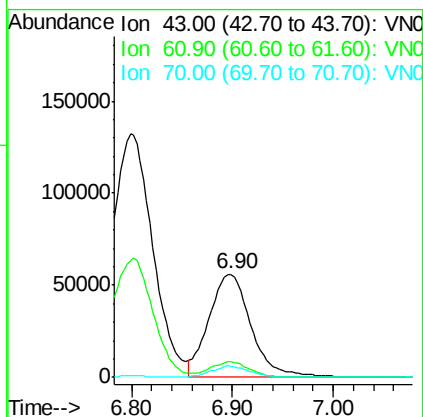
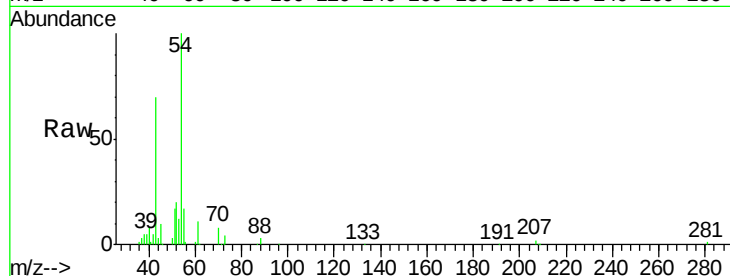
#37
Ethyl Acetate
Concen: 56.911 ug/l
RT: 6.90 min Scan# 1594
Delta R.T. 0.00 min
Lab File: VN060258.D
Acq: 26 Feb 2020 17:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	11.4	17.2
70	10.3	8.7	13.1

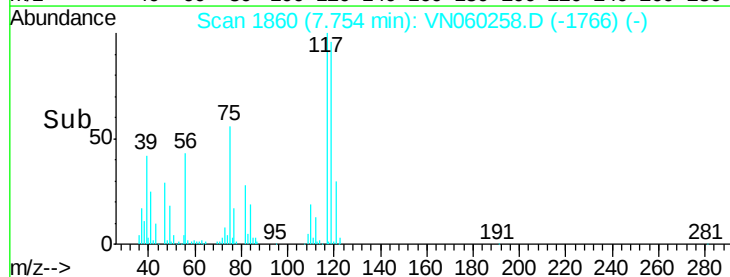
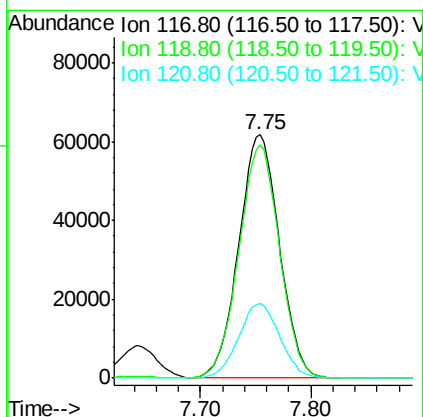
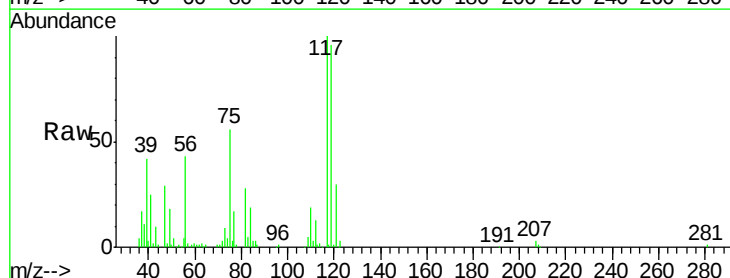
Manual Integrations
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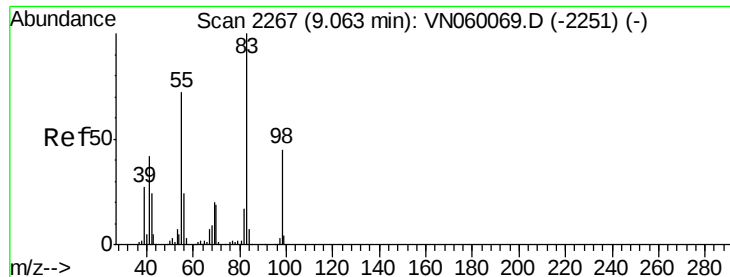
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#38
Carbon Tetrachloride
Concen: 46.756 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN060258.D
Acq: 26 Feb 2020 17:51

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.7	78.2	117.4
121	30.5	24.2	36.2





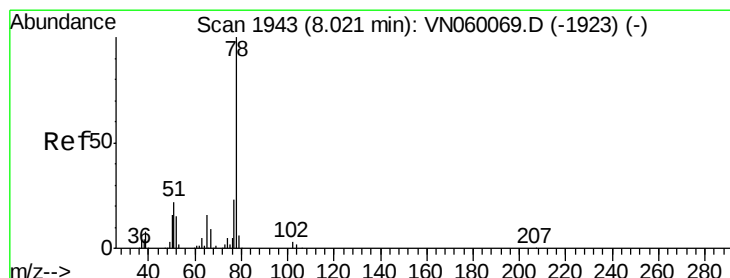
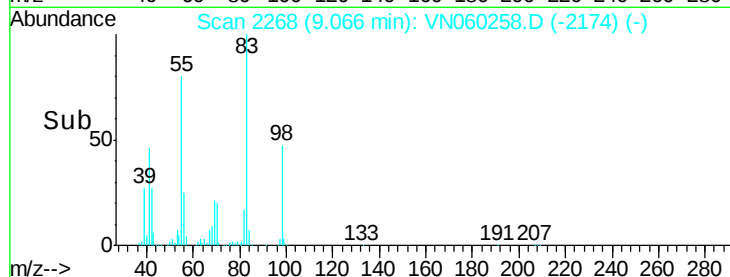
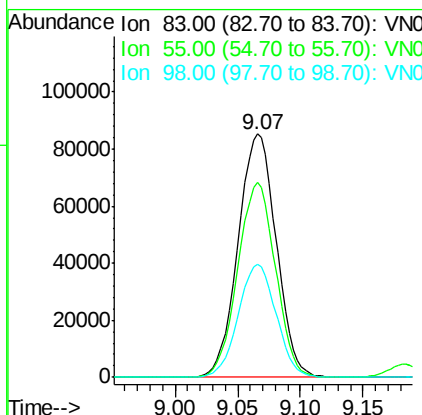
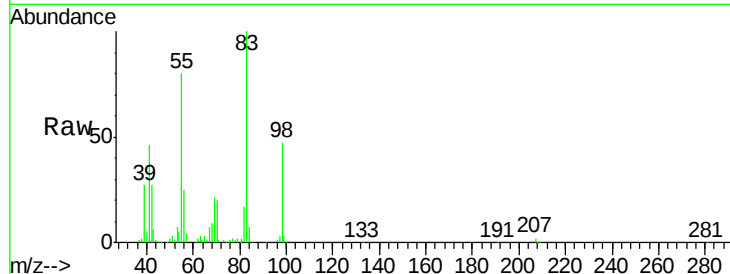
#39
Methvlcvclohexane
Concen: 46.877 ug/l
RT: 9.07 min Scan# 2267
Delta R.T. 0.00 min
Lab File: VN060258.D
Acq: 26 Feb 2020 17:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.1	57.8	86.8
98	46.6	36.4	54.6

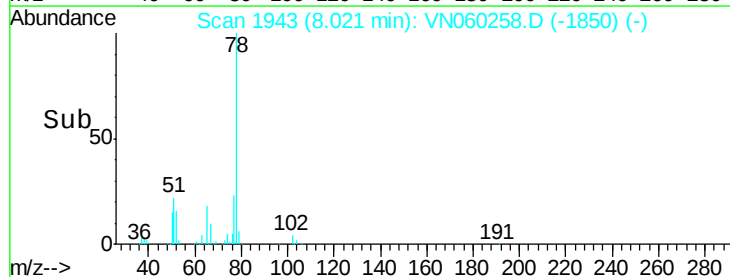
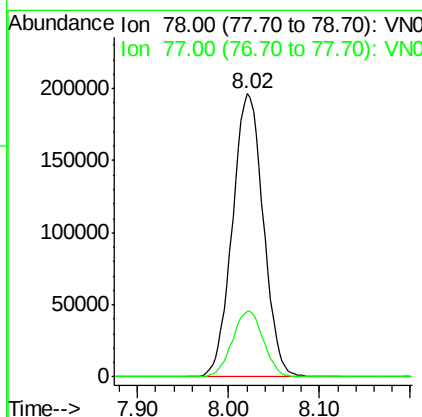
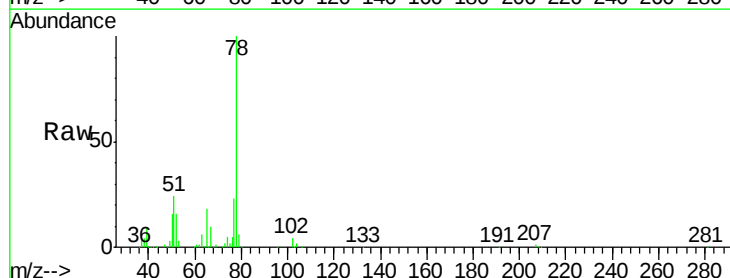
Manual Integrations
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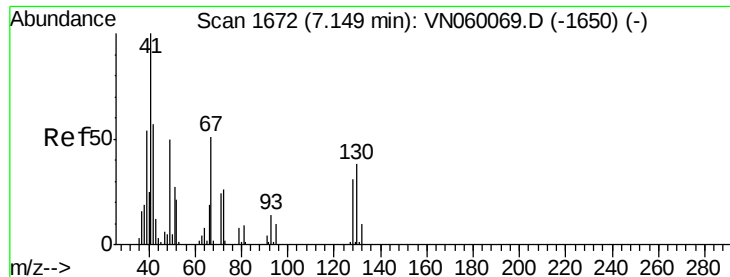
MMDadoda
2/27/2020 9:41:02 AM



#40
Benzene
Concen: 50.429 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN060258.D
Acq: 26 Feb 2020 17:51

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.8	28.2





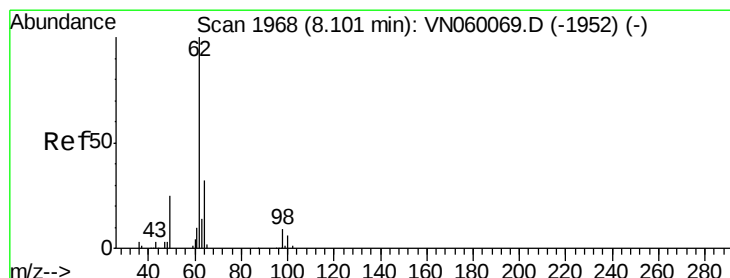
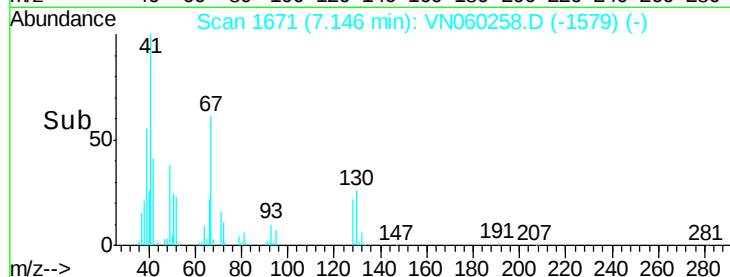
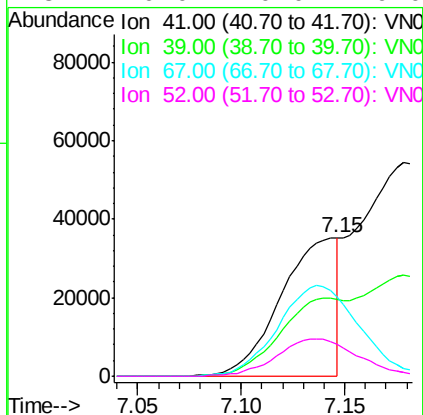
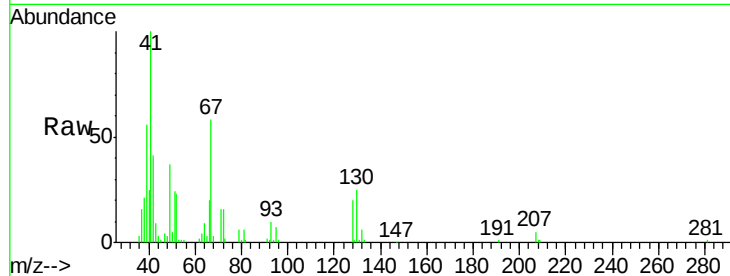
#41
Methacrylonitrile
Concen: 56.898 ug/l m
RT: 7.15 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VN060258.D
Acq: 26 Feb 2020 17:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

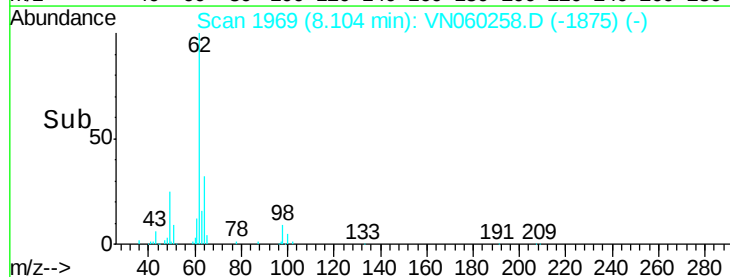
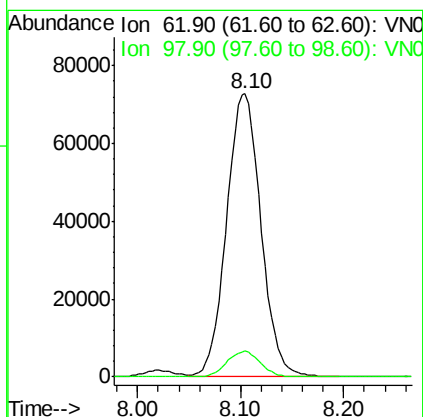
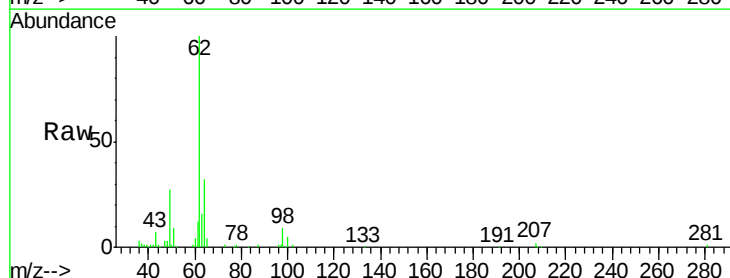
Manual Integrations
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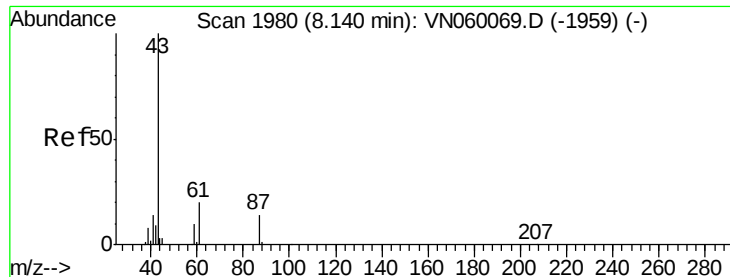
MMDadoda
2/27/2020 9:41:02 AM



#42
1,2-Dichloroethane
Concen: 52.419 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. 0.00 min
Lab File: VN060258.D
Acq: 26 Feb 2020 17:51

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	18.2





#43

Isopropyl Acetate

Concen: 57.726 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. -0.00 min

Lab File: VN060258.D

Acq: 26 Feb 2020 17:51

Instrument :

MSVOA_N

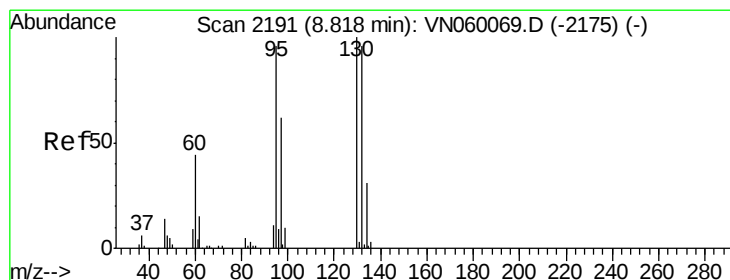
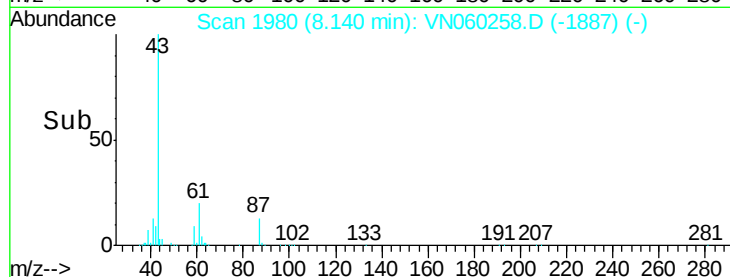
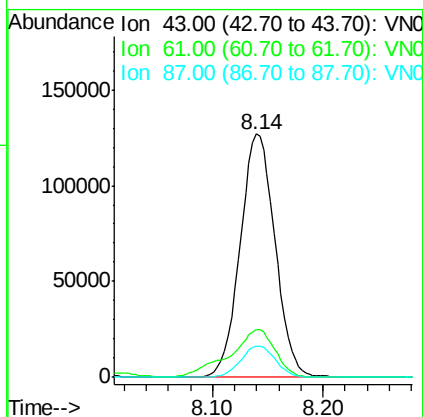
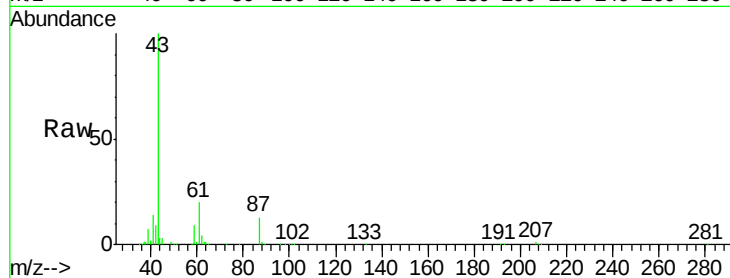
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	276671
Ion	Ratio	Lower	Upper
43	100		
61	25.9	21.8	32.6
87	13.0	11.4	17.2

Manual Integrations
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MMDadoda
2/27/2020 9:41:02 AM



#44

Trichloroethene

Concen: 49.933 ug/l

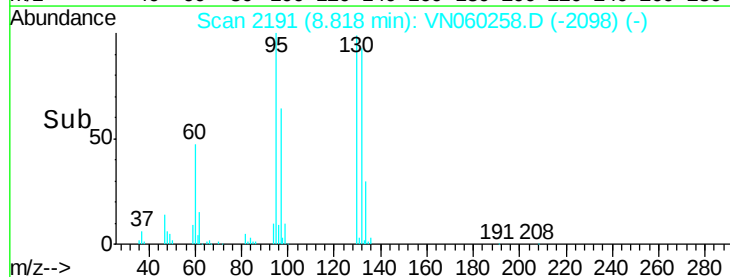
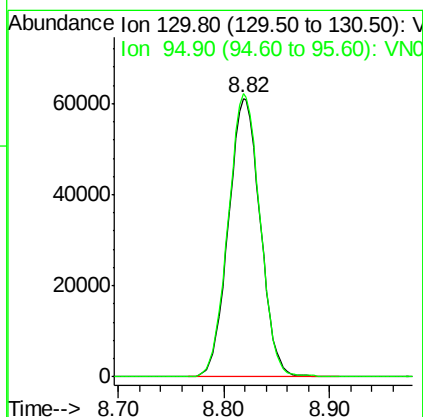
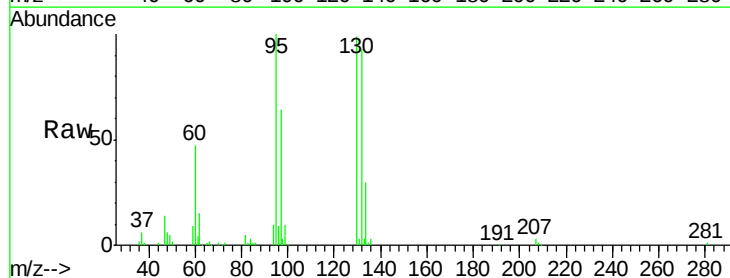
RT: 8.82 min Scan# 2191

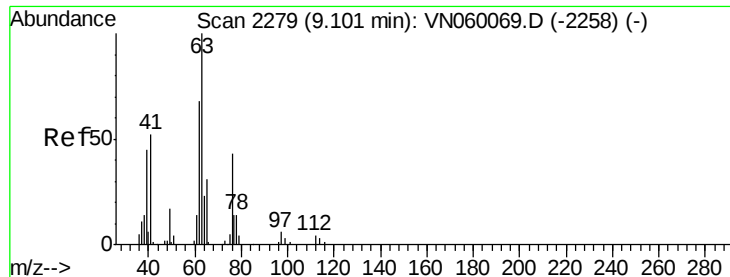
Delta R.T. -0.00 min

Lab File: VN060258.D

Acq: 26 Feb 2020 17:51

Tgt Ion:	130	Resp:	127237
Ion	Ratio	Lower	Upper
130	100		
95	101.5	0.0	192.4





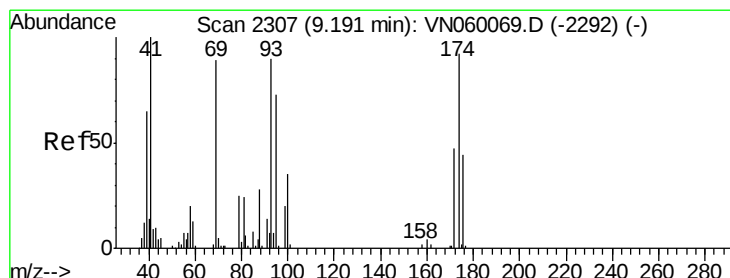
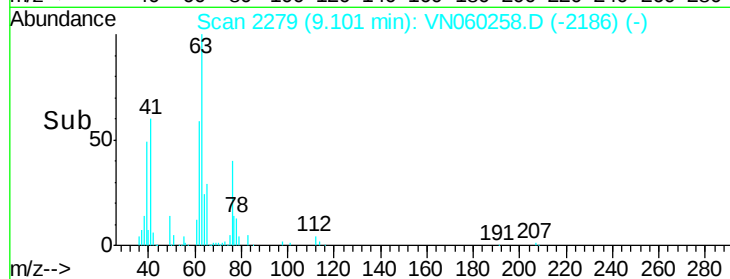
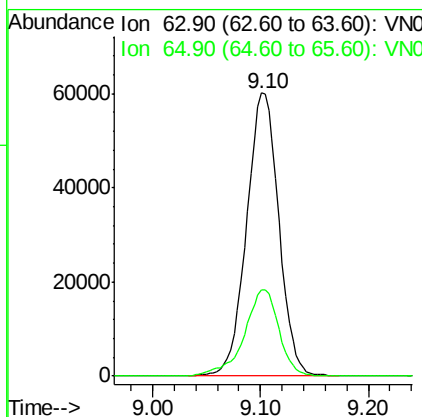
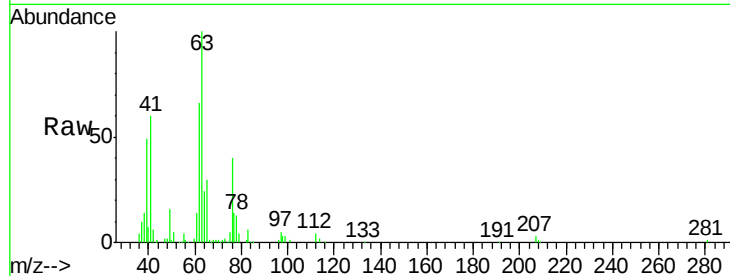
#45
 1,2-Dichloropropane
 Concen: 54.801 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. -0.00 min
 Lab File: VN060258.D
 Acq: 26 Feb 2020 17:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.3	25.0	37.4

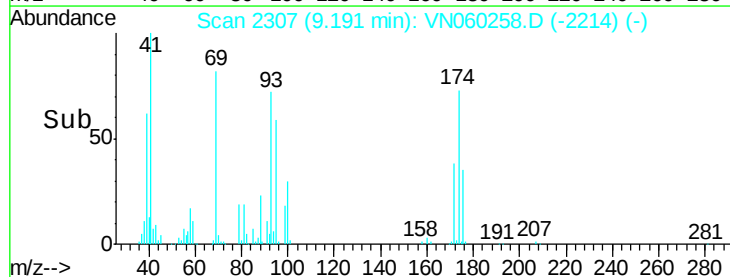
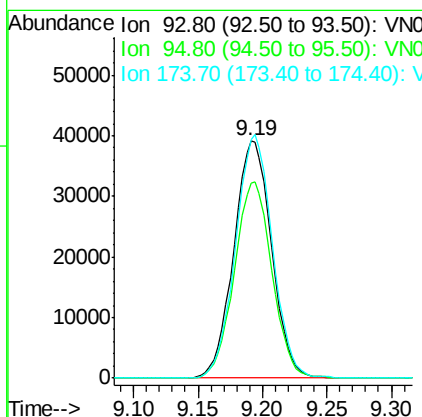
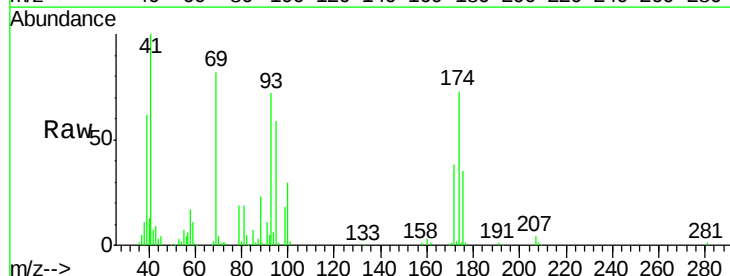
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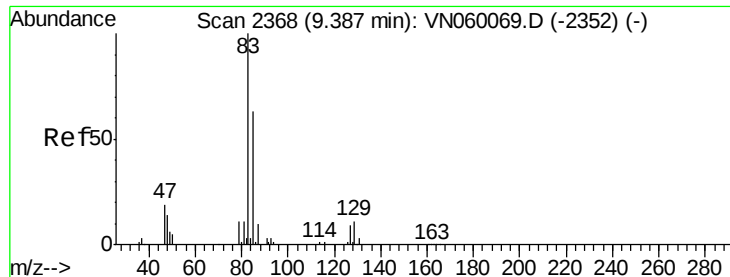
MMDadoda
 2/27/2020 9:41:02 AM



#46
 Dibromomethane
 Concen: 49.528 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN060258.D
 Acq: 26 Feb 2020 17:51

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.2	65.0	97.6
174	100.3	82.3	123.5





#47

Bromodichloromethane

Concen: 50.130 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. -0.00 min

Lab File: VN060258.D

Acq: 26 Feb 2020 17:51

Instrument :

MSVOA_N

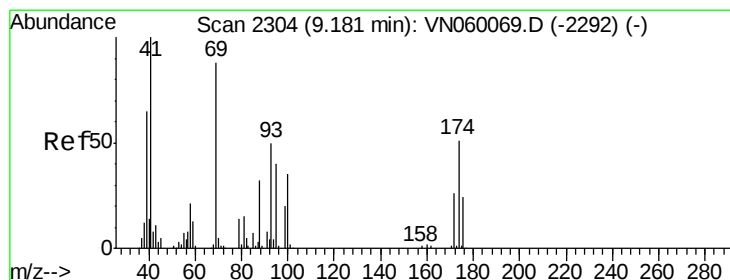
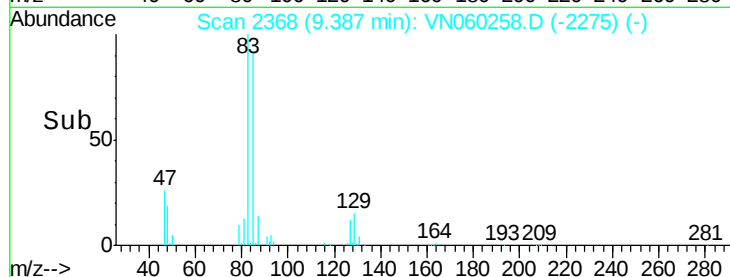
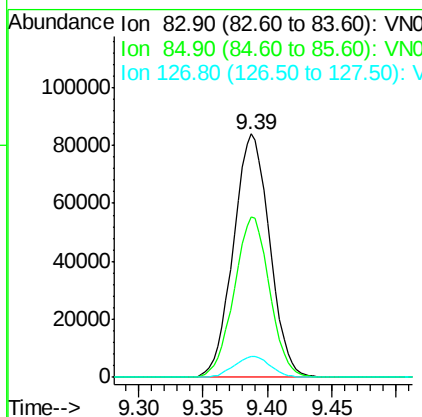
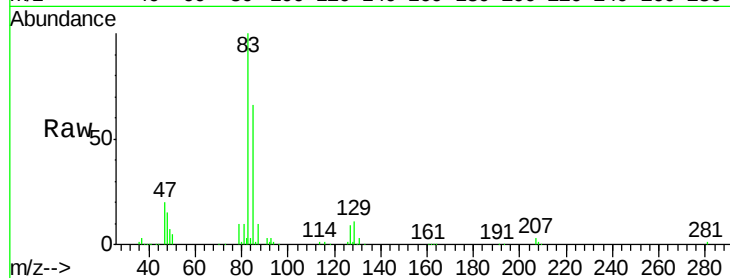
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	164093
Ion	Ratio	Lower	Upper
83	100		
85	66.0	50.6	75.8
127	8.7	7.0	10.6

Manual Integrations
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MMDadoda
2/27/2020 9:41:02 AM



#48

Methyl methacrylate

Concen: 57.765 ug/l

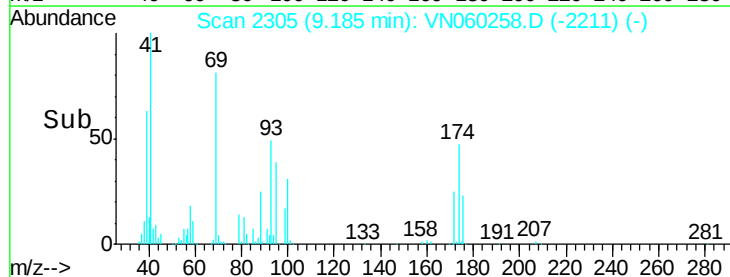
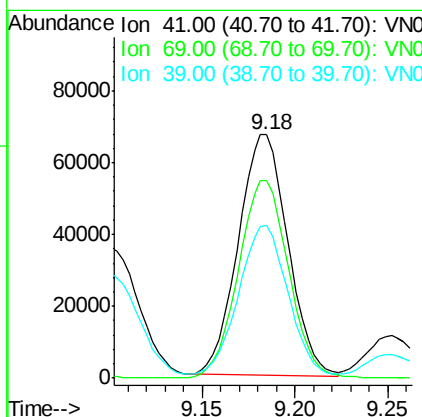
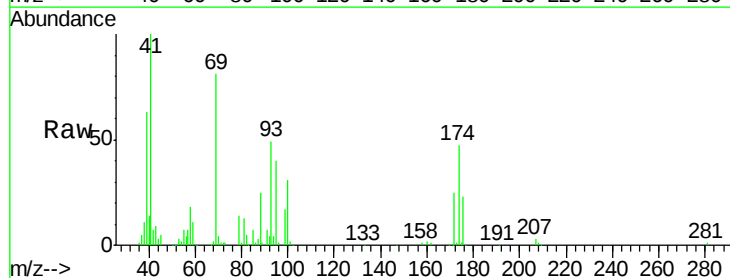
RT: 9.18 min Scan# 2305

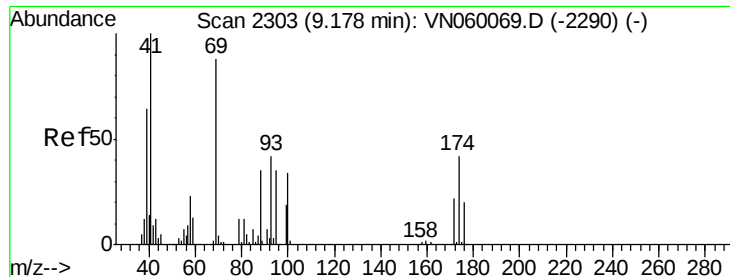
Delta R.T. 0.00 min

Lab File: VN060258.D

Acq: 26 Feb 2020 17:51

Tgt Ion:	41	Resp:	124217
Ion	Ratio	Lower	Upper
41	100		
69	83.1	72.0	108.0
39	64.7	54.1	81.1





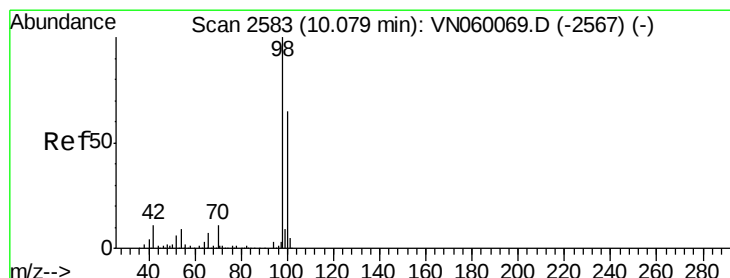
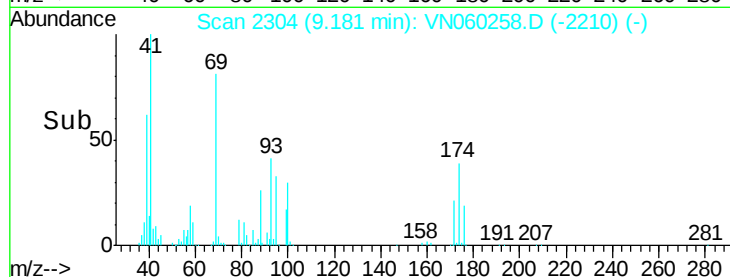
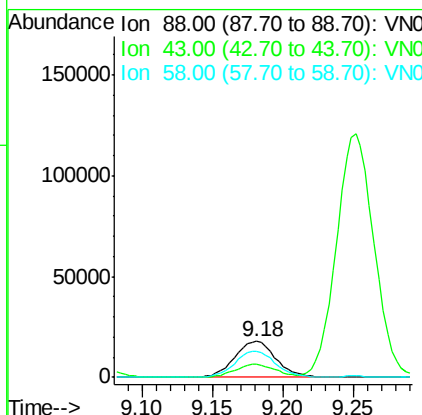
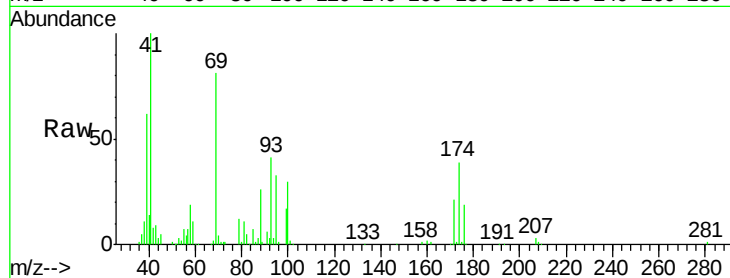
#49
1,4-Dioxane
Concen: 983.736 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN060258.D
Acq: 26 Feb 2020 17:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	36144
Ion	Ratio	Lower	Upper
88	100		
43	36.7	26.2	39.2
58	72.6	53.2	79.8

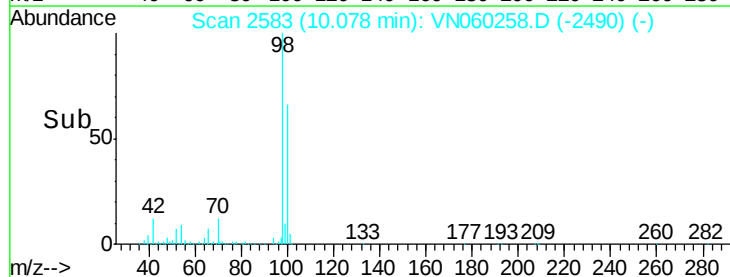
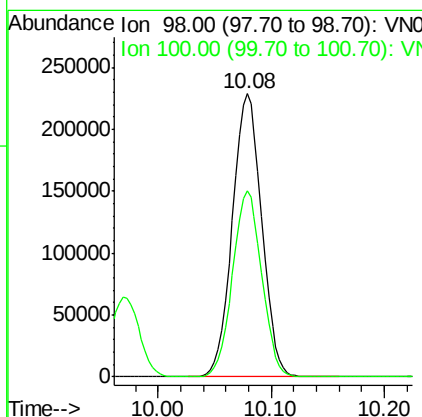
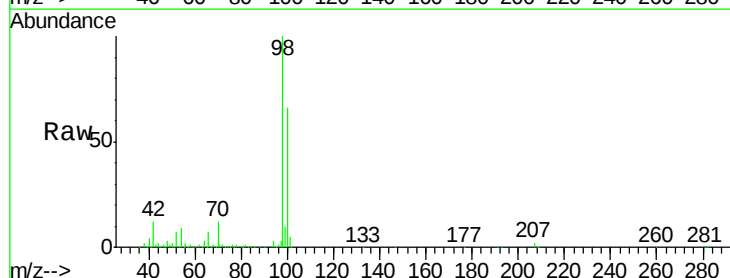
Manual Integrations
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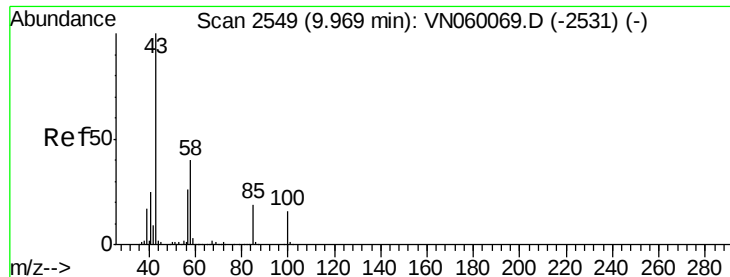
MMDadoda
2/27/2020 9:41:02 AM



#50
Toluene-d8
Concen: 50.876 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN060258.D
Acq: 26 Feb 2020 17:51

Tgt Ion	98	Resp	412490
Ion	Ratio	Lower	Upper
98	100		
100	65.2	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 293.223 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. -0.00 min

Lab File: VN060258.D

Acq: 26 Feb 2020 17:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 813457

Ion Ratio Lower Upper

43 100

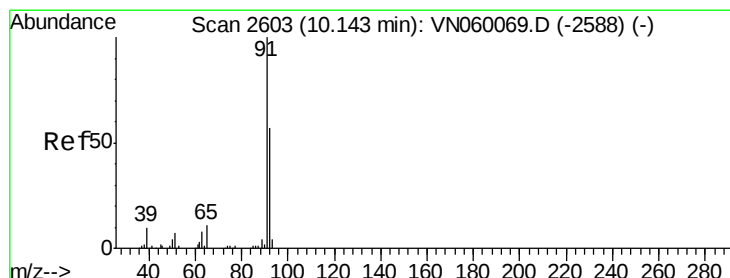
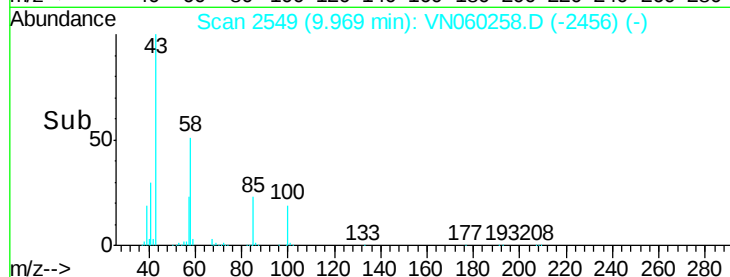
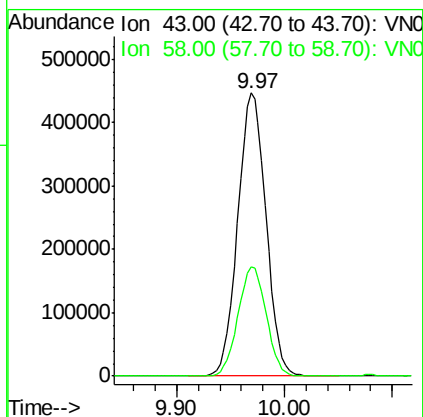
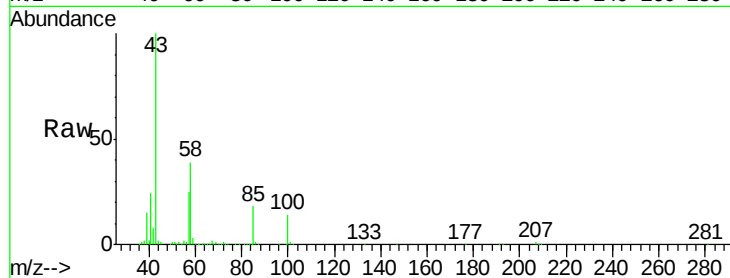
58 38.6 31.8 47.8

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2/27/2020 9:41:02 AM



#52

Toluene

Concen: 49.691 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN060258.D

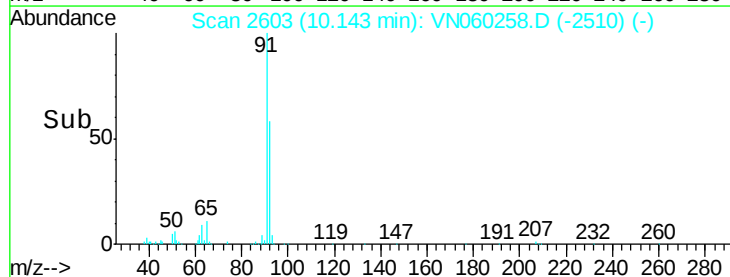
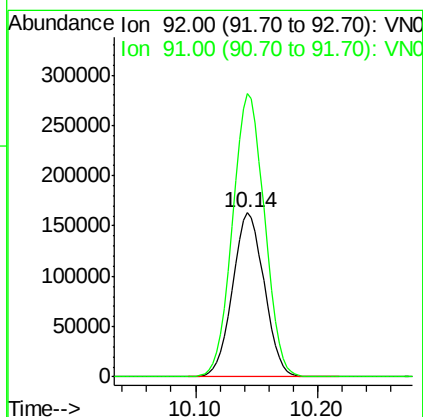
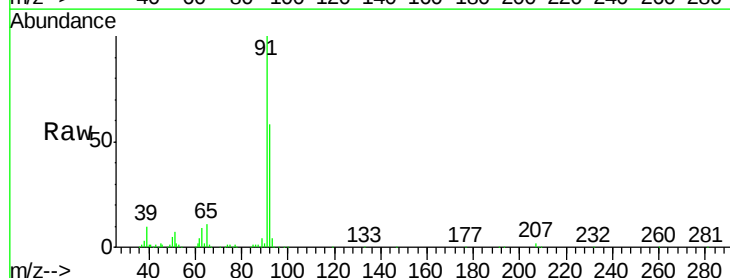
Acq: 26 Feb 2020 17:51

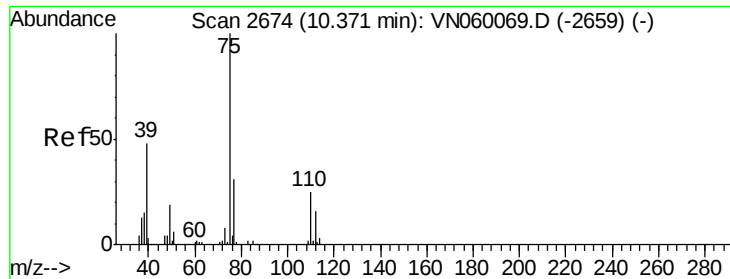
Tgt Ion: 92 Resp: 293241

Ion Ratio Lower Upper

92 100

91 174.0 140.9 211.3





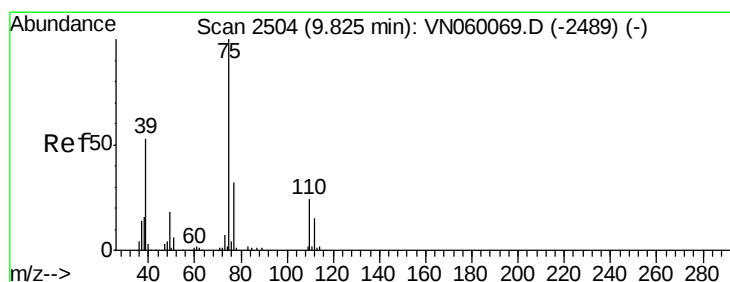
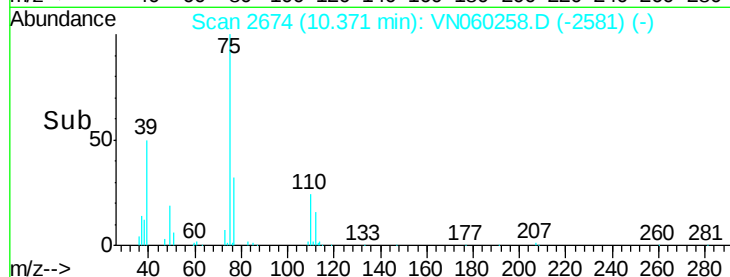
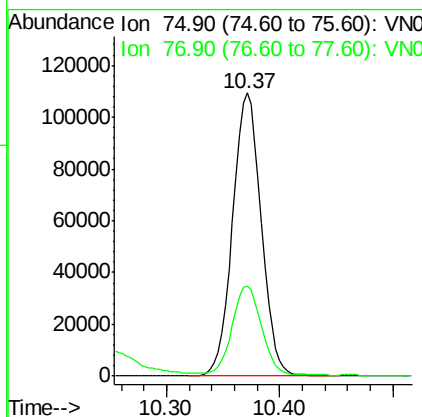
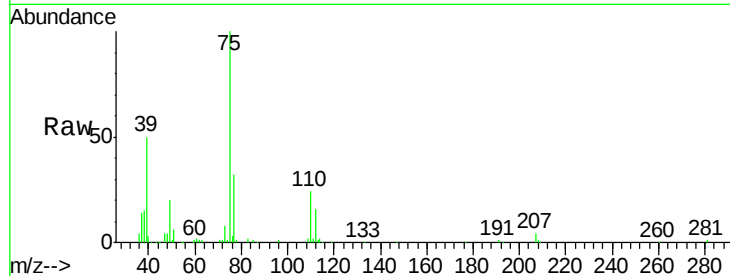
#53
t-1,3-Dichloropropene
Concen: 52.145 ug/l
RT: 10.37 min Scan# 2674
Delta R.T. -0.00 min
Lab File: VN060258.D
Acq: 26 Feb 2020 17:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.4	38.0

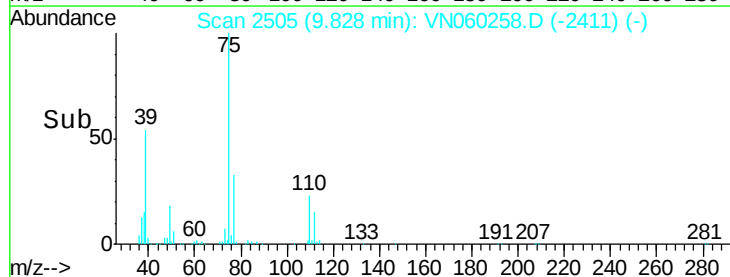
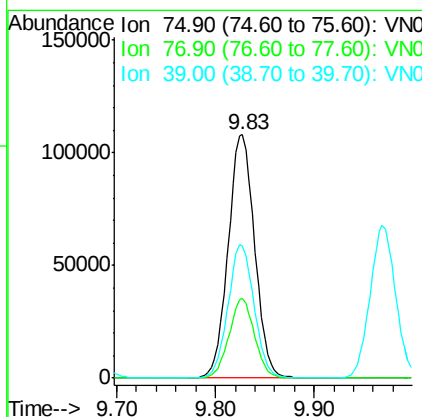
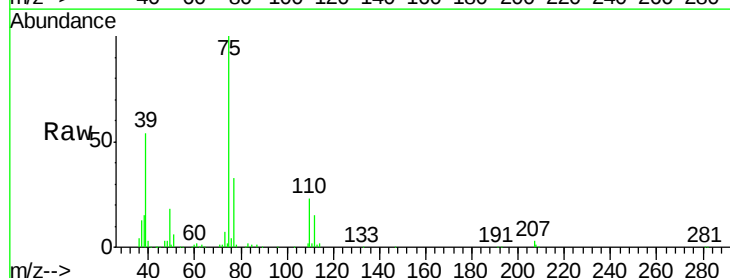
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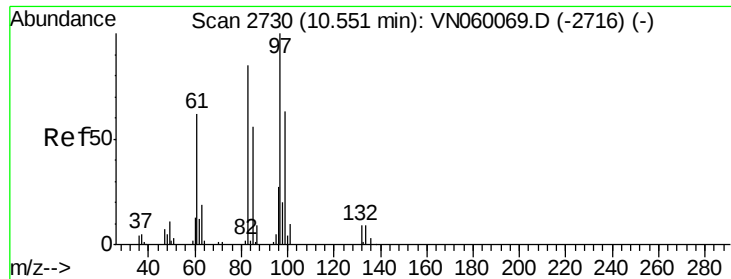
MMDadoda
2/27/2020 9:41:02 AM



#54
cis-1,3-Dichloropropene
Concen: 52.141 ug/l
RT: 9.83 min Scan# 2505
Delta R.T. 0.00 min
Lab File: VN060258.D
Acq: 26 Feb 2020 17:51

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.7	25.6	38.4
39	54.2	42.2	63.4





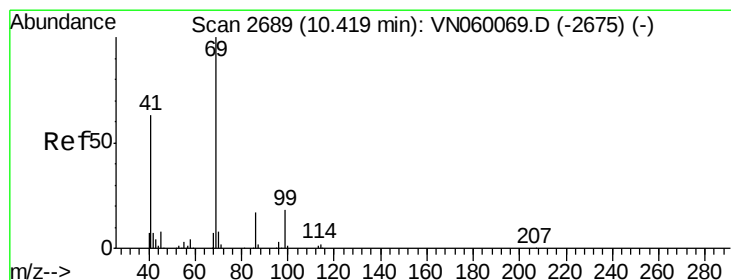
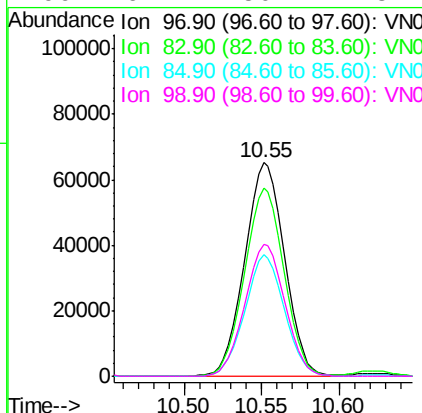
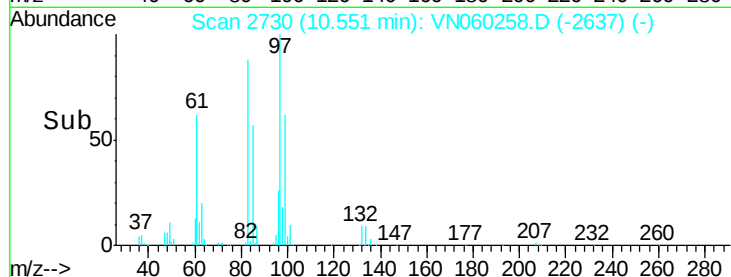
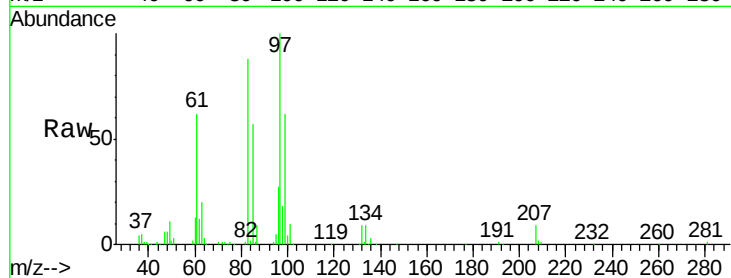
#55
 1,1,2-Trichloroethane
 Concen: 50.918 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. -0.00 min
 Lab File: VN060258.D
 Acq: 26 Feb 2020 17:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	117227
Ion	Ratio	Lower	Upper
97	100		
83	87.8	67.9	101.9
85	56.8	44.6	67.0
99	61.7	50.1	75.1

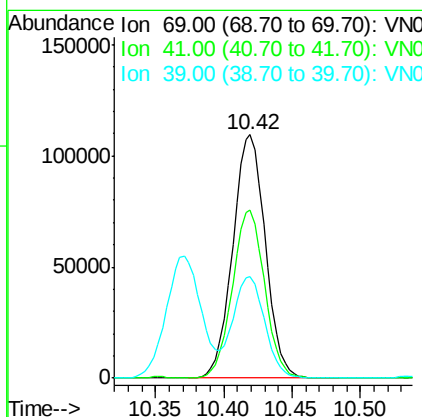
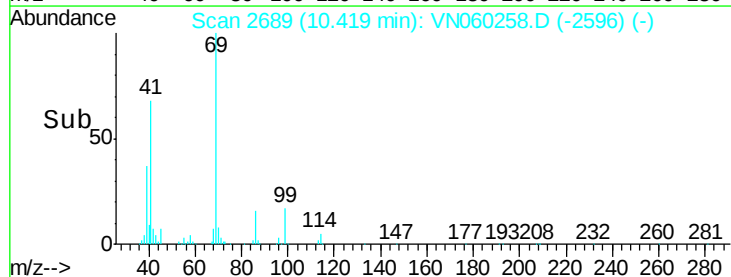
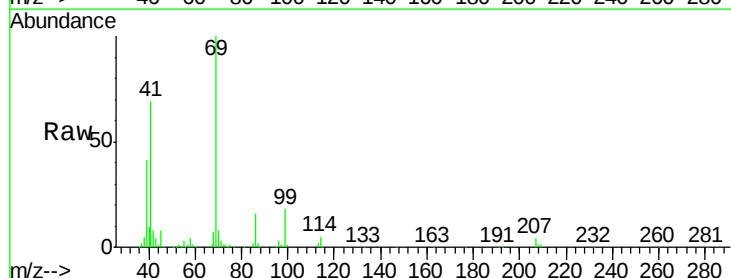
Manual Integrations
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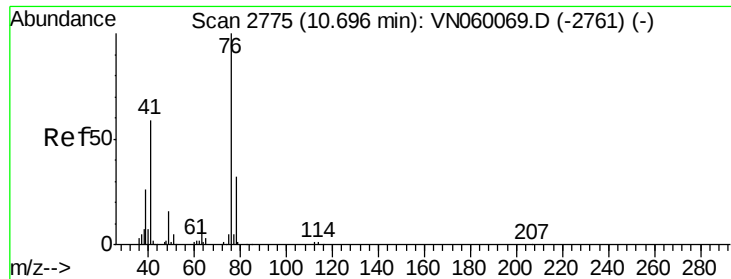
MMDadoda
 2/27/2020 9:41:02 AM



#56
 Ethyl methacrylate
 Concen: 55.736 ug/l
 RT: 10.42 min Scan# 2689
 Delta R.T. -0.00 min
 Lab File: VN060258.D
 Acq: 26 Feb 2020 17:51

Tgt Ion:	69	Resp:	181523
Ion	Ratio	Lower	Upper
69	100		
41	67.7	51.1	76.7
39	40.5	33.8	50.8





#57

1,3-Dichloropropane

Concen: 51.975 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. 0.00 min

Lab File: VN060258.D

Acq: 26 Feb 2020 17:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 197449

Ion Ratio Lower Upper

76 100

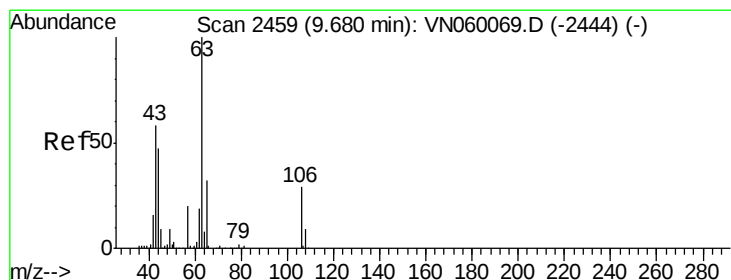
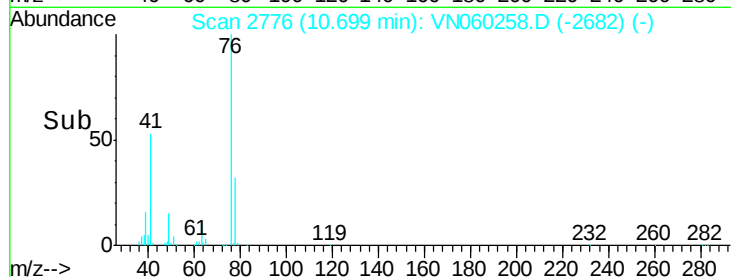
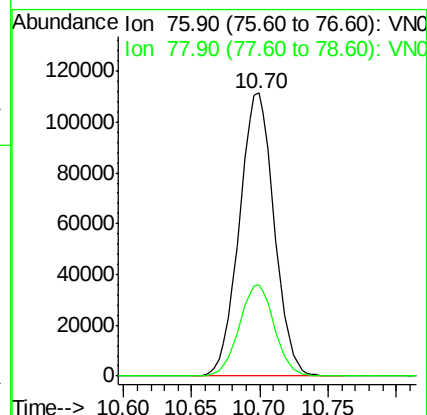
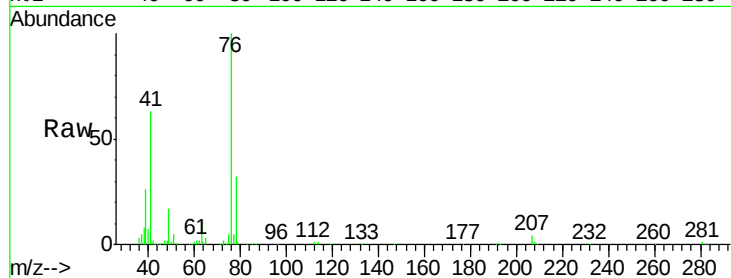
78 32.4 25.7 38.5

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 301.755 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. -0.00 min

Lab File: VN060258.D

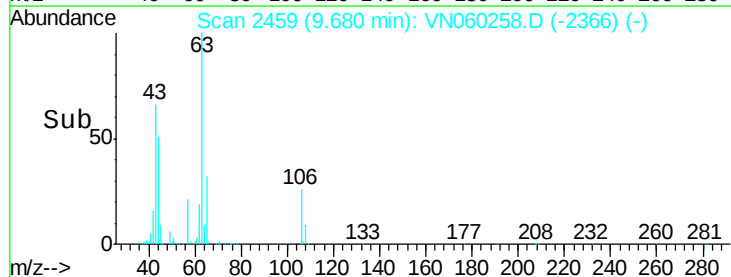
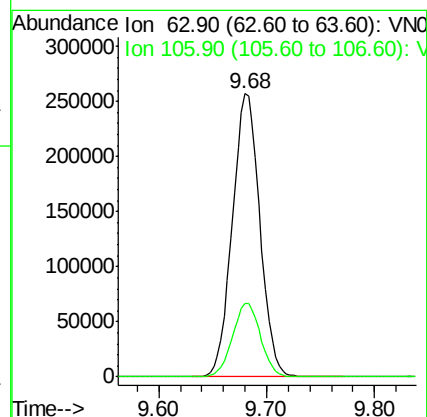
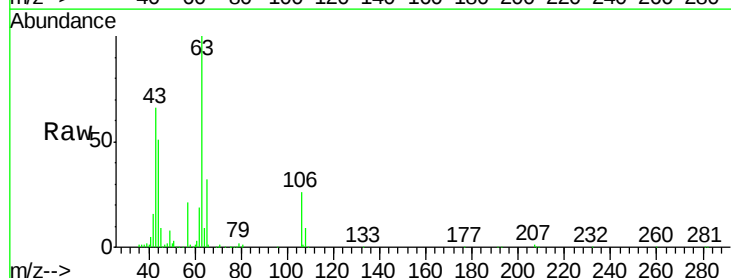
Acq: 26 Feb 2020 17:51

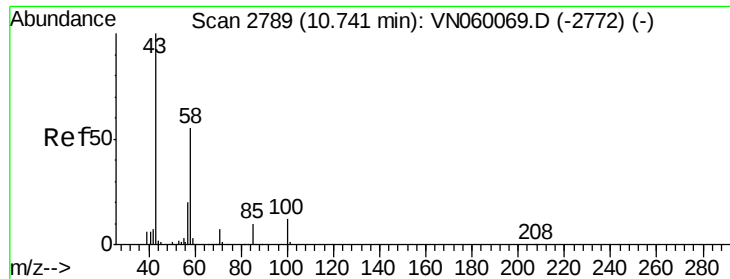
Tgt Ion: 63 Resp: 457843

Ion Ratio Lower Upper

63 100

106 26.3 22.9 34.3





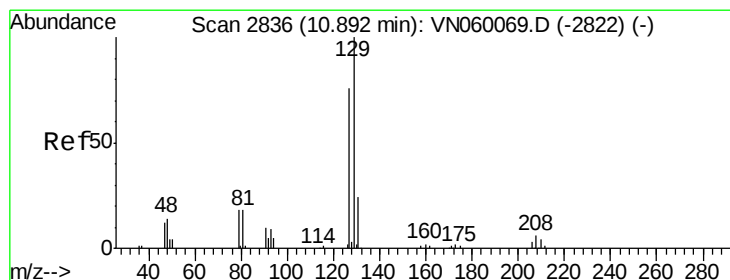
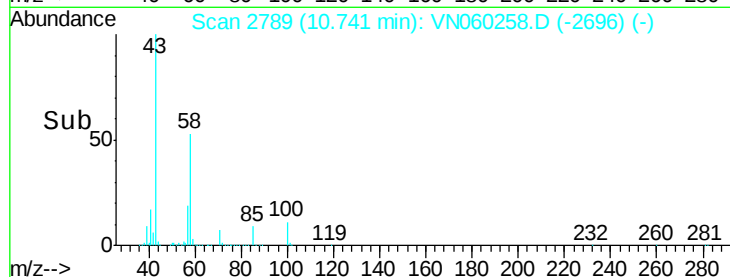
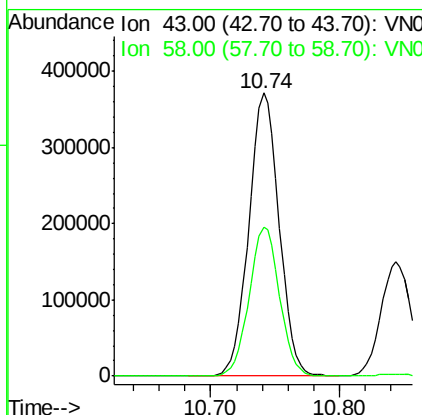
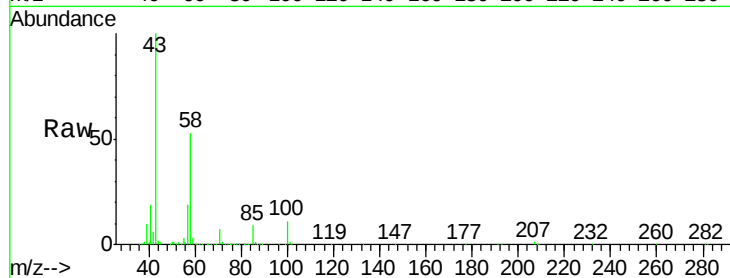
#59
2-Hexanone
Concen: 283.189 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. -0.00 min
Lab File: VN060258.D
Acq: 26 Feb 2020 17:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 606871
Ion Ratio Lower Upper
43 100
58 53.0 27.5 82.4

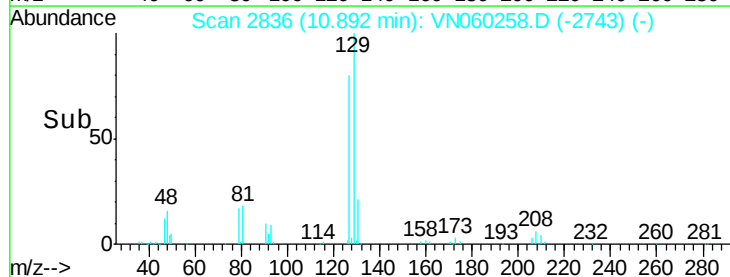
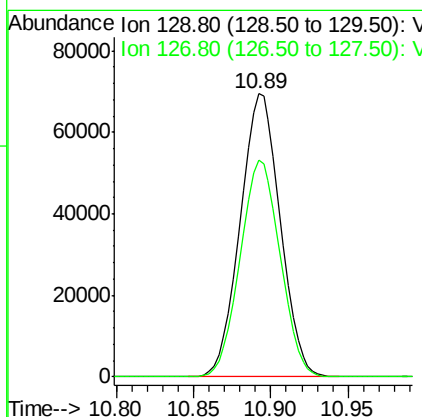
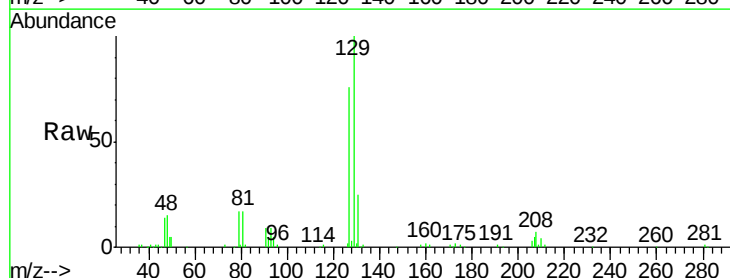
Manual Integrations
APPROVED

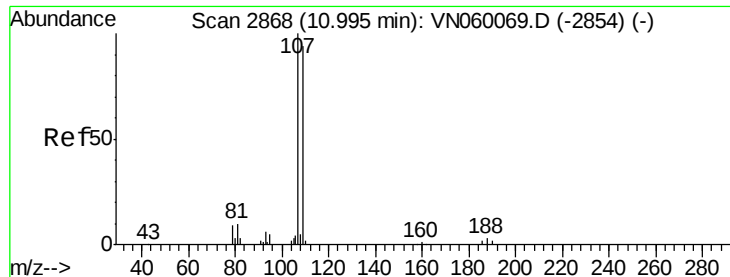
MMDadoda
2/27/2020 9:41:02 AM



#60
Dibromochloromethane
Concen: 47.285 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN060258.D
Acq: 26 Feb 2020 17:51

Tgt Ion:129 Resp: 124925
Ion Ratio Lower Upper
129 100
127 76.4 38.0 114.1





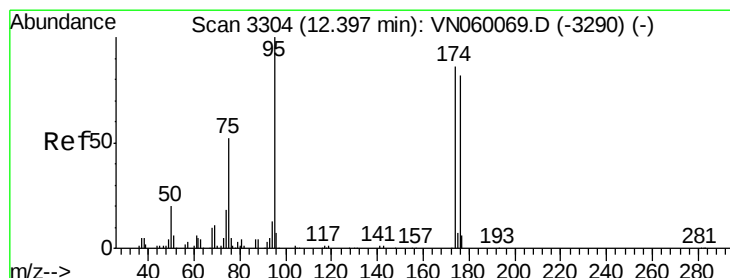
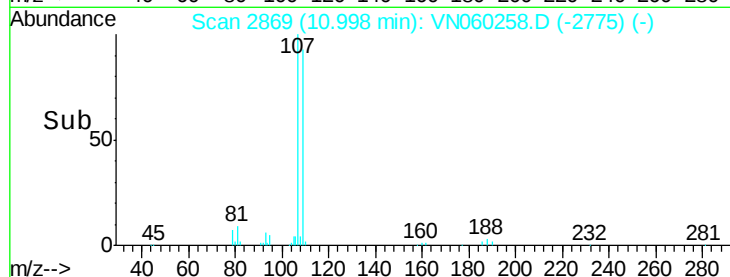
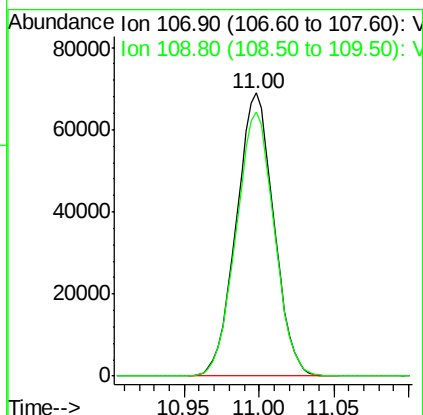
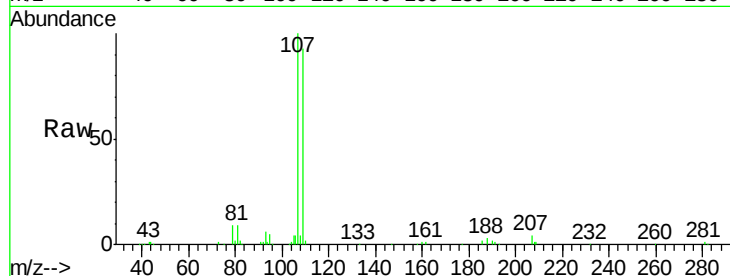
#61
 1,2-Dibromoethane
 Concen: 49.736 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. 0.00 min
 Lab File: VN060258.D
 Acq: 26 Feb 2020 17:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.1	75.4	113.0

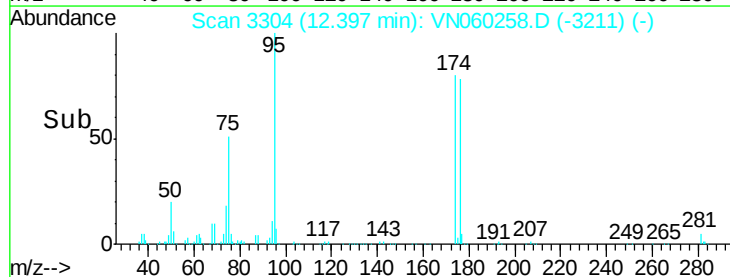
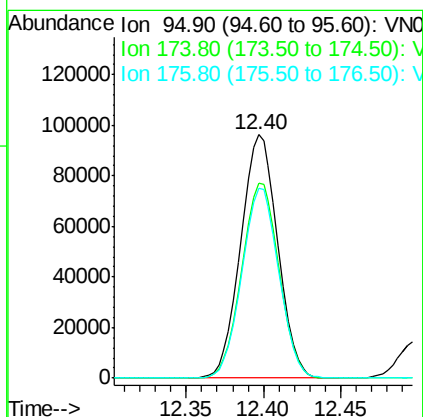
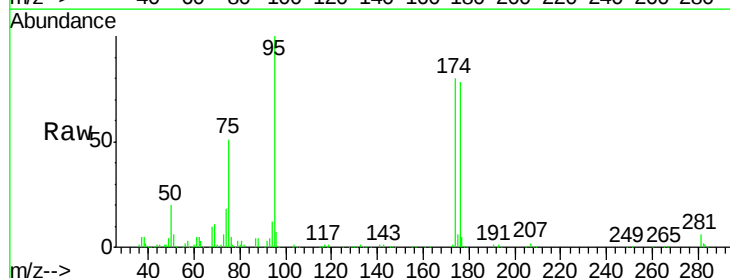
Manual Integrations
 APPROVED

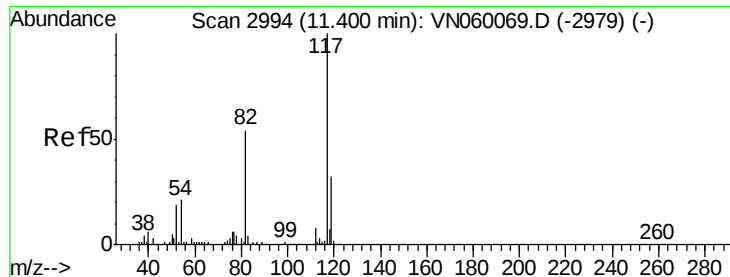
MMDadoda
 2/27/2020 9:41:02 AM



#62
 4-Bromofluorobenzene
 Concen: 53.641 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.00 min
 Lab File: VN060258.D
 Acq: 26 Feb 2020 17:51

Tgt Ion	Ratio	Lower	Upper
95	100		
174	80.8	0.0	169.8
176	78.3	0.0	164.8





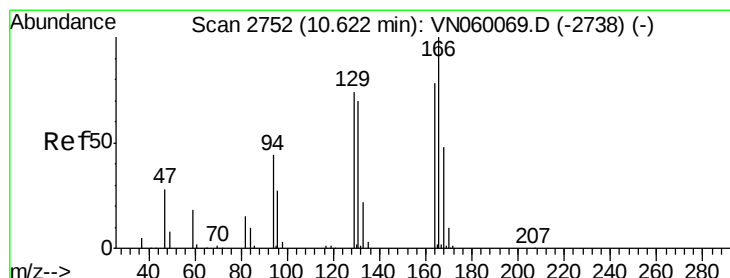
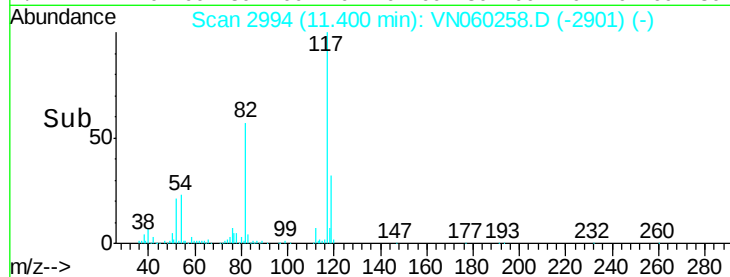
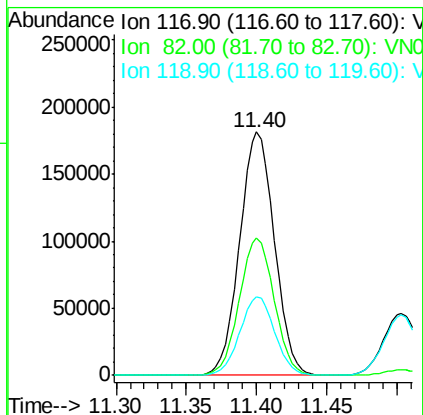
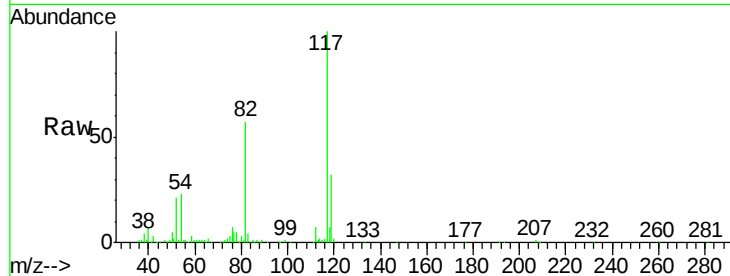
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060258.D
Acq: 26 Feb 2020 17:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.6	43.4	65.0
119	32.2	25.8	38.6

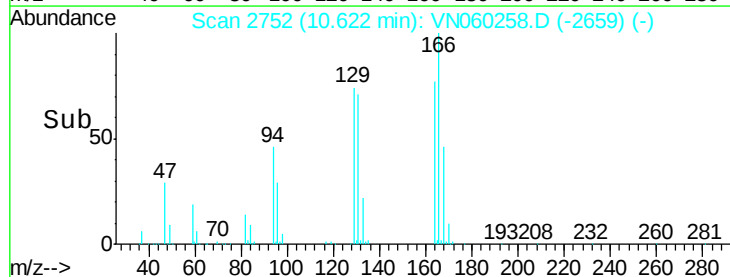
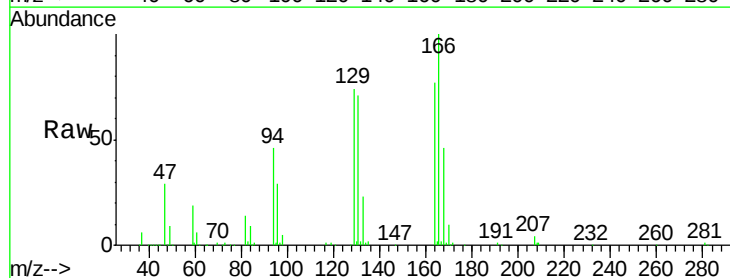
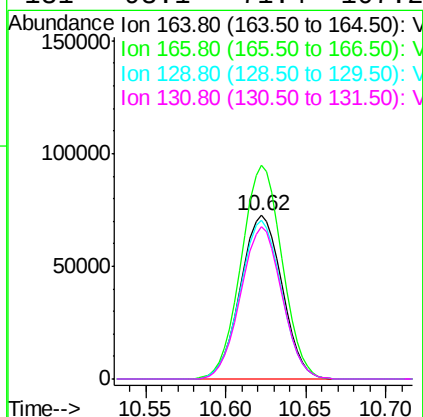
Manual Integrations
APPROVED

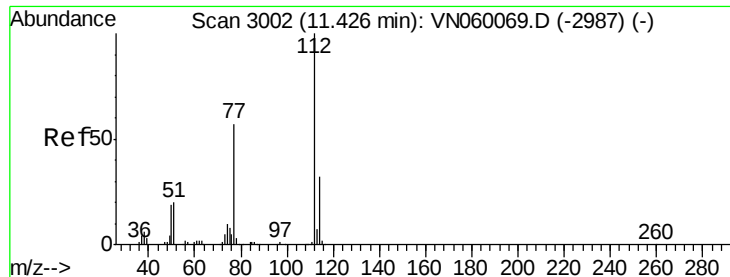
MMDadoda
2/27/2020 9:41:02 AM



#64
Tetrachloroethene
Concen: 54.171 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN060258.D
Acq: 26 Feb 2020 17:51

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.7	101.9	152.9
129	97.2	75.4	113.0
131	93.1	71.4	107.2





#65

Chlorobenzene

Concen: 48.492 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. -0.00 min

Lab File: VN060258.D

Acq: 26 Feb 2020 17:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 309974

Ion Ratio Lower Upper

112 100

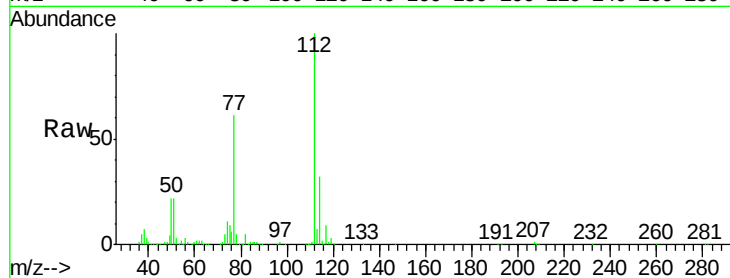
114 32.3 25.4 38.0

Manual Integrations

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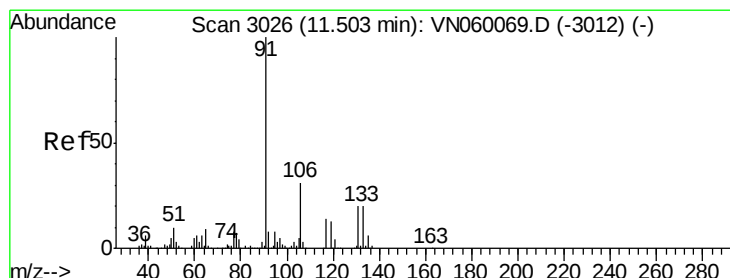
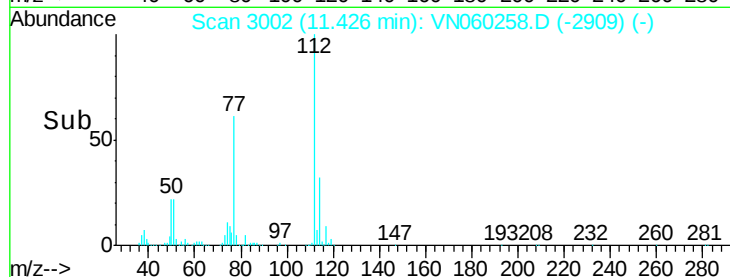
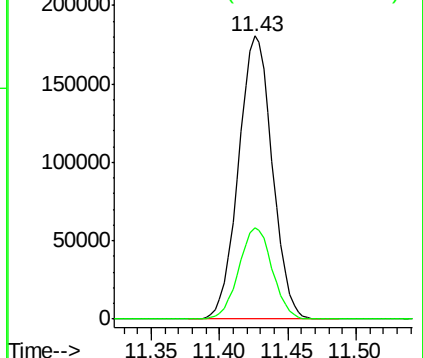
MMDadoda

2/27/2020 9:41:02 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 48.713 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN060258.D

Acq: 26 Feb 2020 17:51

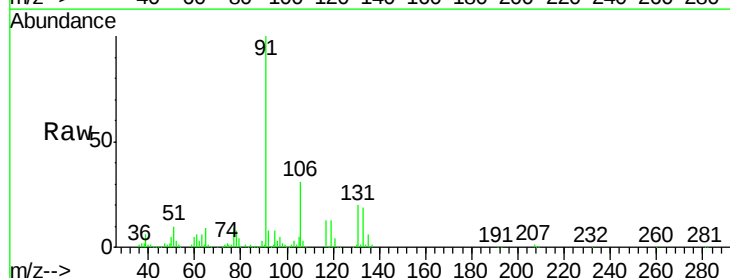
Tgt Ion:131 Resp: 117797

Ion Ratio Lower Upper

131 100

133 95.5 47.9 143.7

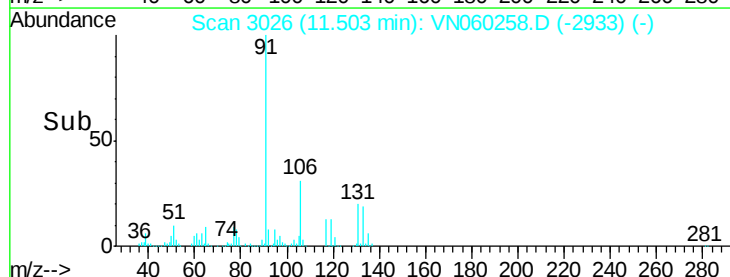
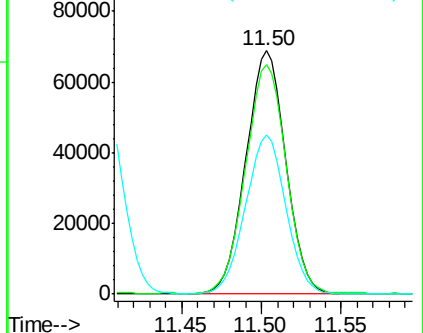
119 66.2 32.6 97.7

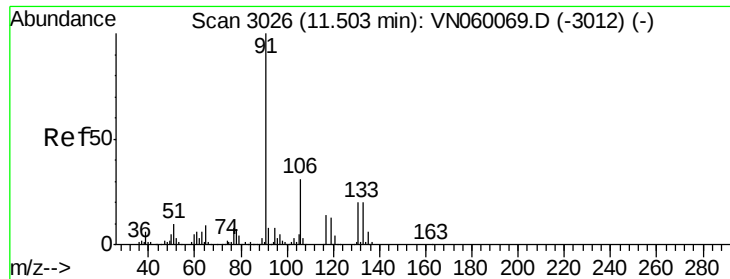


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





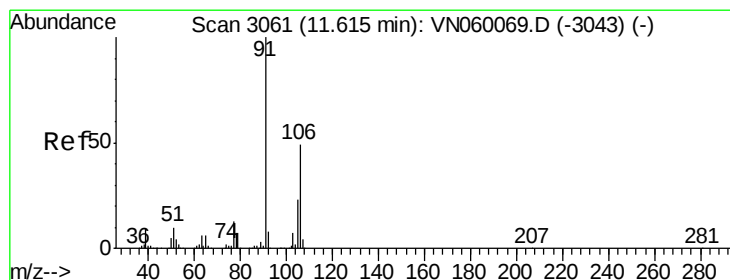
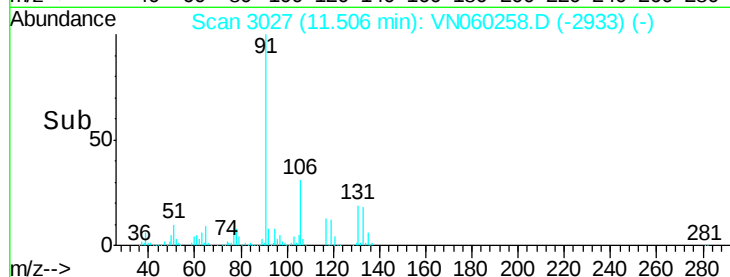
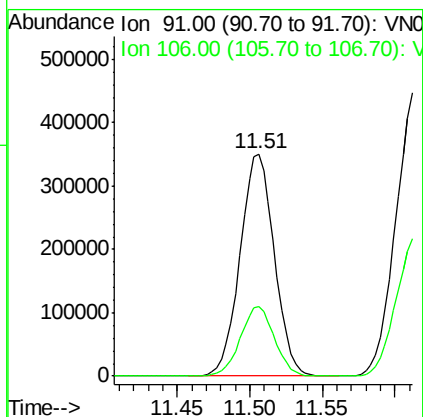
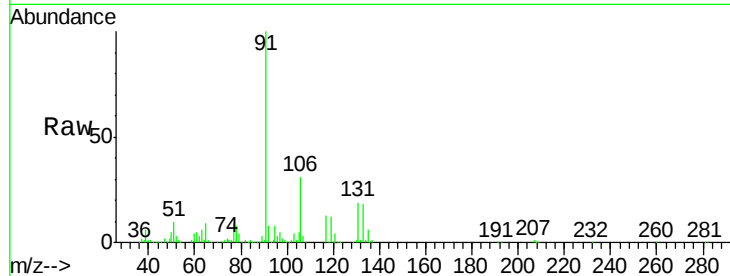
#67
Ethyl Benzene
Concen: 49.899 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN060258.D
Acq: 26 Feb 2020 17:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 575279
Ion Ratio Lower Upper
91 100
106 31.1 25.1 37.7

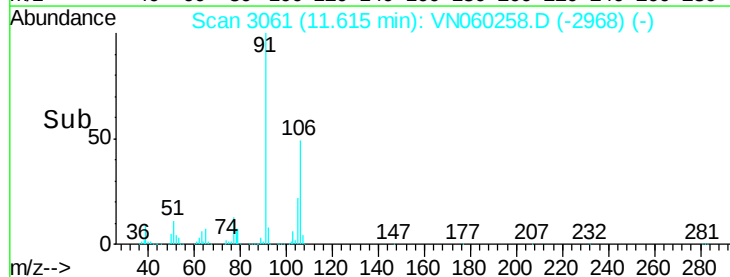
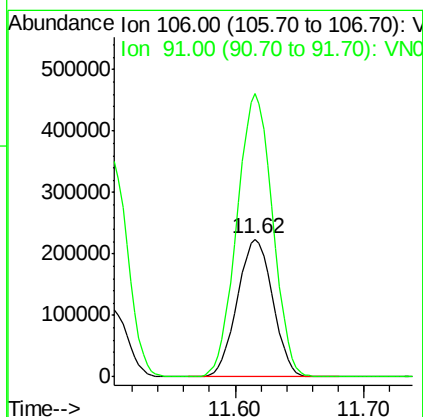
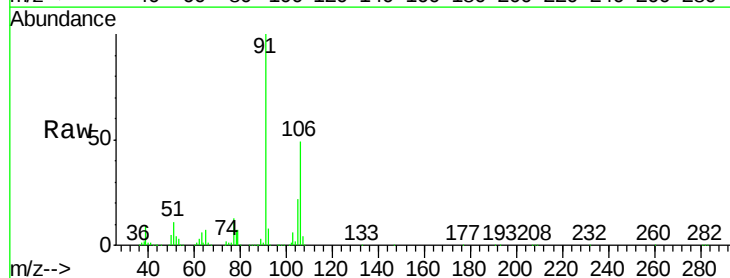
Manual Integrations
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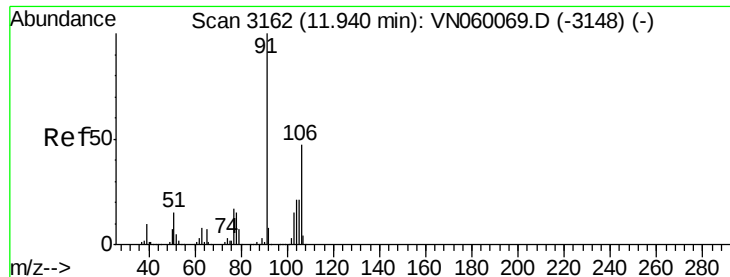
MMDadoda
2/27/2020 9:41:02 AM



#68
m/p-Xylenes
Concen: 99.254 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN060258.D
Acq: 26 Feb 2020 17:51

Tgt Ion: 106 Resp: 429472
Ion Ratio Lower Upper
106 100
91 206.0 162.7 244.1





#69

o-Xylene

Concen: 50.225 ug/l

RT: 11.94 min Scan# 3163

Delta R.T. 0.00 min

Lab File: VN060258.D

Acq: 26 Feb 2020 17:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:106 Resp: 209246

Ion Ratio Lower Upper

106 100

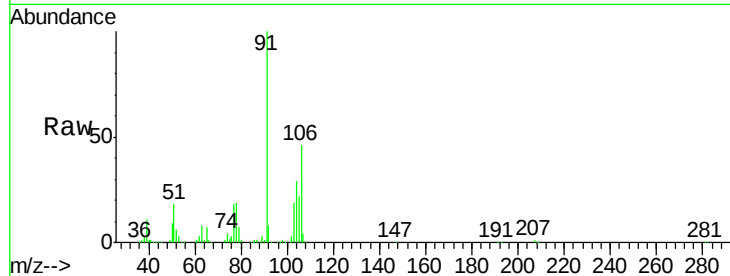
91 216.9 107.2 321.6

Manual Integrations

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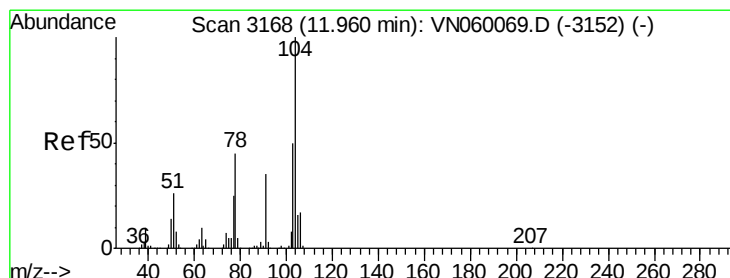
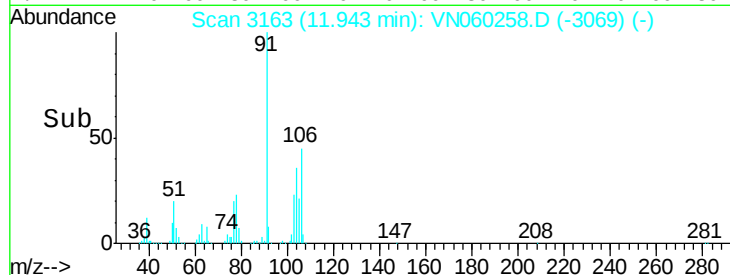
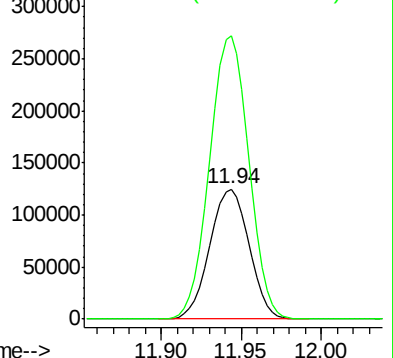
MMDadoda

2/27/2020 9:41:02 AM



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#70

Styrene

Concen: 51.970 ug/l

RT: 11.96 min Scan# 3168

Delta R.T. -0.00 min

Lab File: VN060258.D

Acq: 26 Feb 2020 17:51

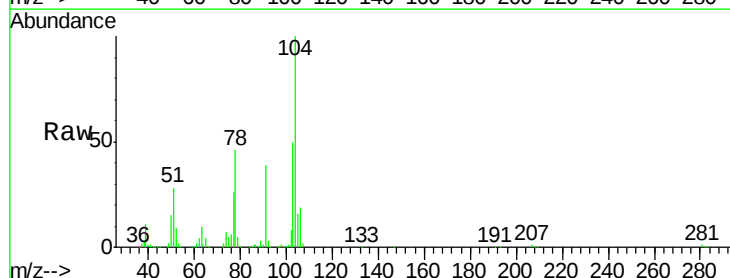
Tgt Ion:104 Resp: 349151

Ion Ratio Lower Upper

104 100

78 51.4 40.2 60.2

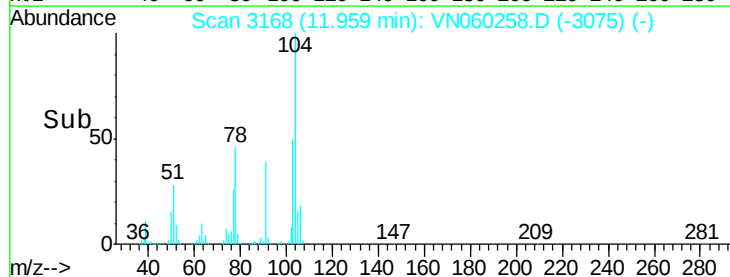
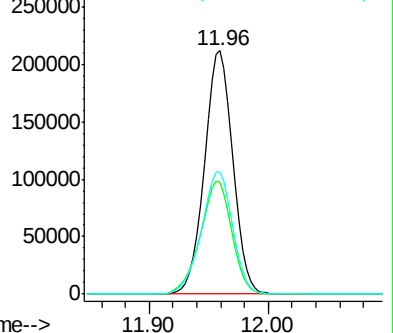
103 55.3 44.3 66.5

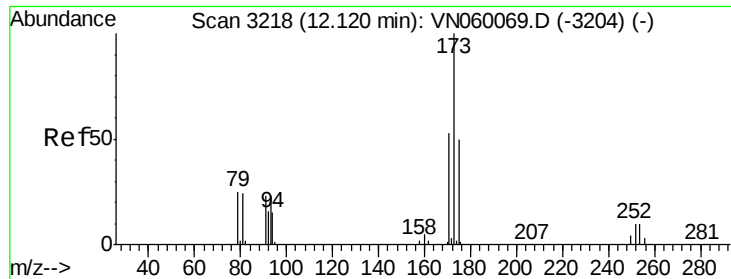


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 45.486 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. 0.00 min

Lab File: VN060258.D

Acq: 26 Feb 2020 17:51

Instrument :

MSVOA_N

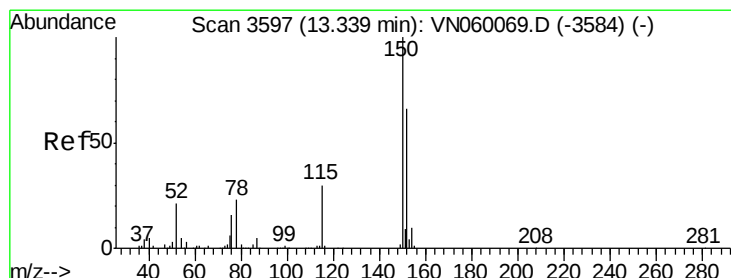
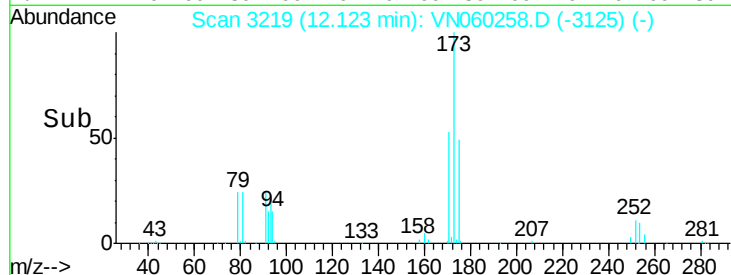
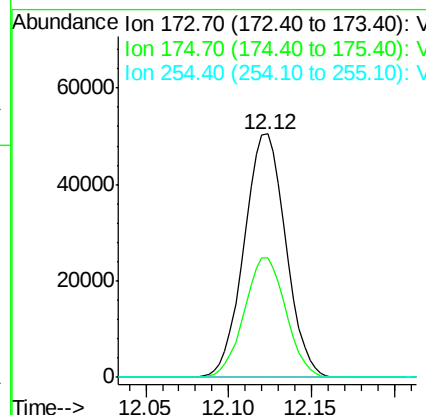
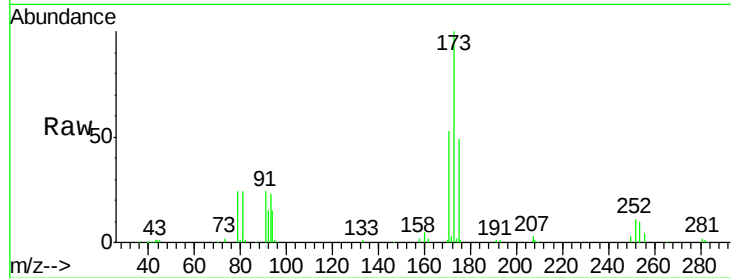
ClientSampleId :

VSTDCCC050EC

Tot Ion:	173	Resp:	88469
Ion Ratio	Lower	Upper	
173	100		
175	49.0	24.9	74.6
254	0.0	0.0	0.0

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

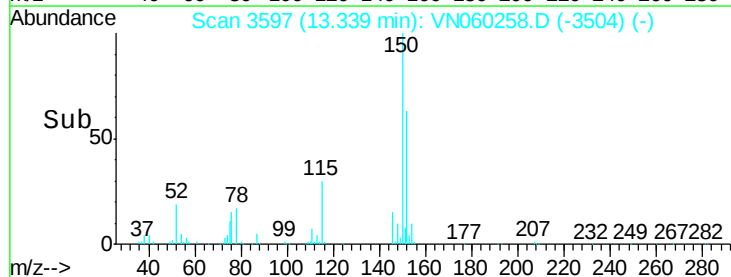
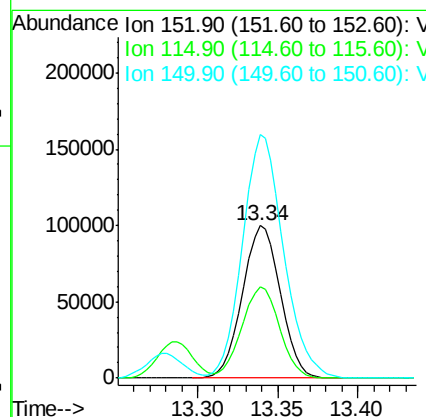
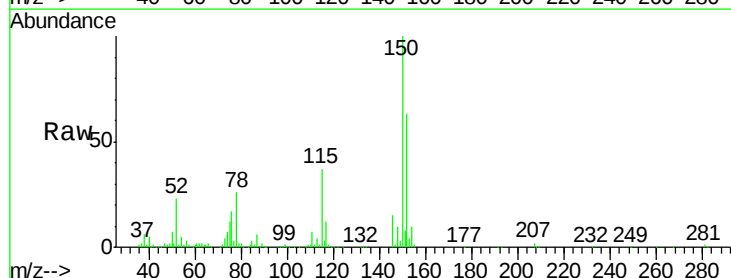
RT: 13.34 min Scan# 3597

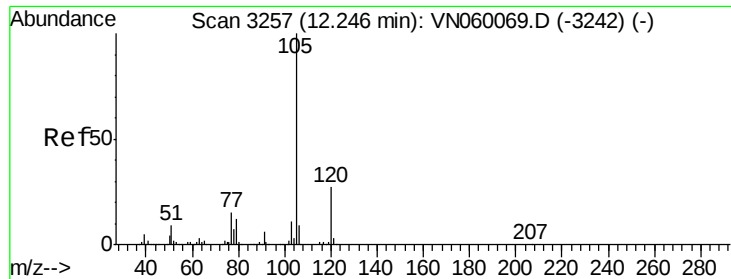
Delta R.T. -0.00 min

Lab File: VN060258.D

Acq: 26 Feb 2020 17:51

Tgt Ion:	152	Resp:	161821
Ion Ratio	Lower	Upper	
152	100		
115	59.7	28.9	86.8
150	172.5	0.0	342.4





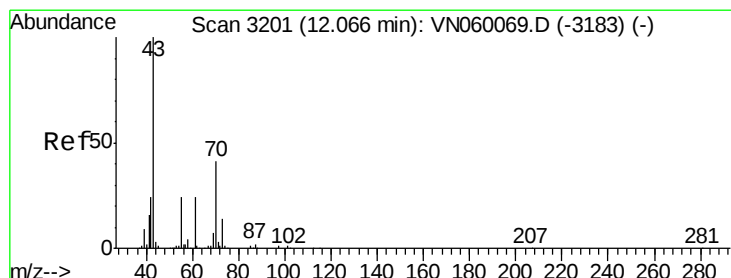
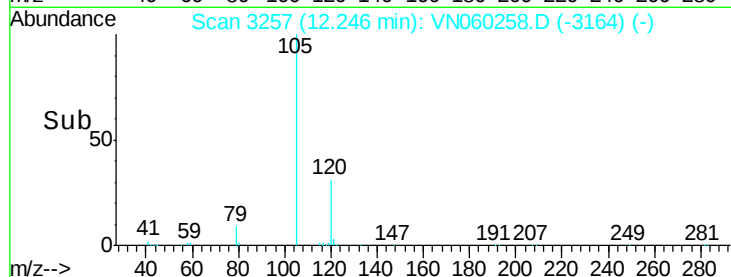
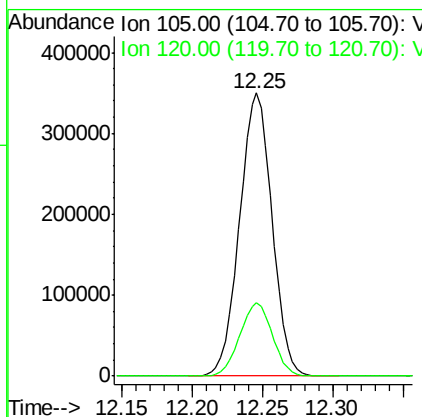
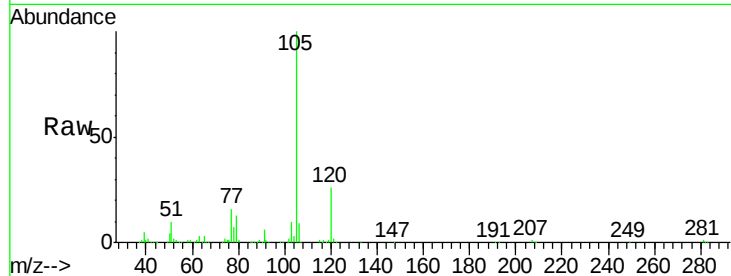
#73
Isopropylbenzene
Concen: 46.696 ug/l
RT: 12.25 min Scan# 3257
Delta R.T. -0.00 min
Lab File: VN060258.D
Acq: 26 Feb 2020 17:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.0	13.3	39.8

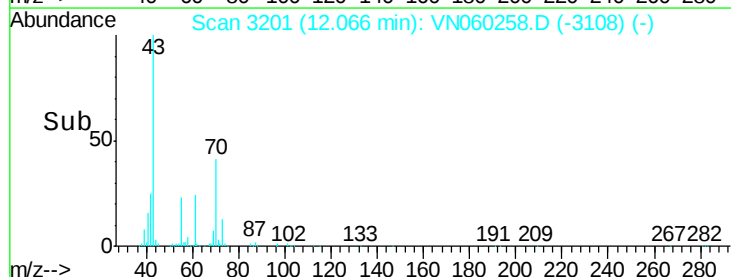
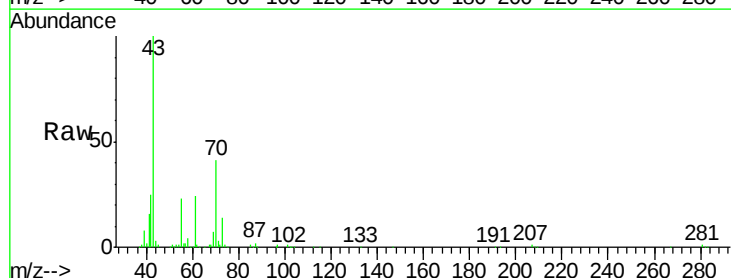
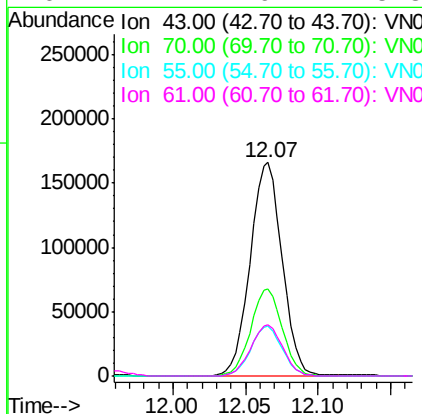
Manual Integrations
APPROVED

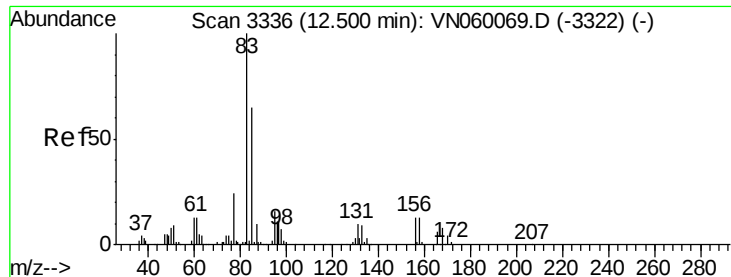
MMDadoda
2/27/2020 9:41:02 AM



#74
N-ethyl acetate
Concen: 58.162 ug/l
RT: 12.07 min Scan# 3201
Delta R.T. -0.00 min
Lab File: VN060258.D
Acq: 26 Feb 2020 17:51

Tgt Ion	Ratio	Lower	Upper
43	100		
70	40.5	33.4	50.0
55	23.2	18.8	28.2
61	24.1	19.2	28.8





#75

1,1,2,2-Tetrachloroethane

Concen: 46.540 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN060258.D

Acq: 26 Feb 2020 17:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 161873

Ion Ratio Lower Upper

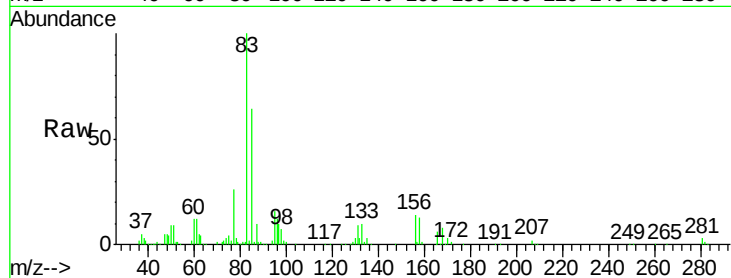
83 100

131 10.2 5.2 15.6

85 65.1 32.3 96.9

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Abundance Ion 82.90 (82.60 to 83.60): VN060069.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN060069.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN060069.D (-3322) (-)

12.50

100000

80000

60000

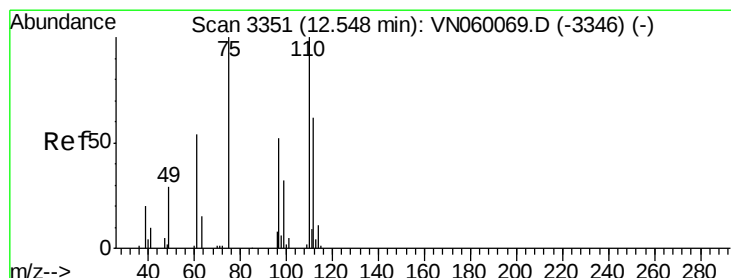
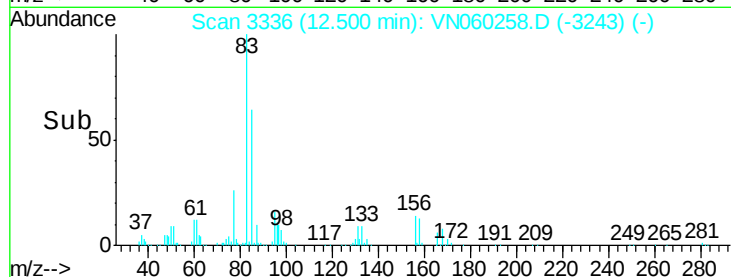
40000

20000

0

12.45 12.50 12.55

Time-->



#76

1,2,3-Trichloropropane

Concen: 47.514 ug/l m

RT: 12.55 min Scan# 3351

Delta R.T. -0.00 min

Lab File: VN060258.D

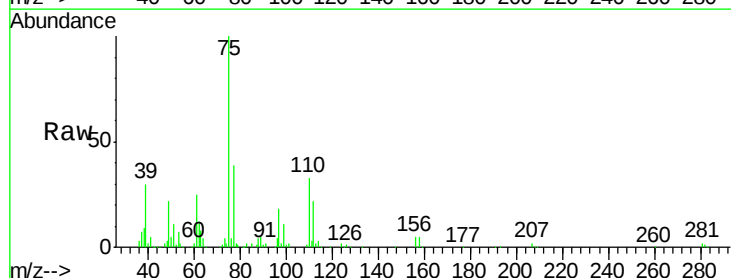
Acq: 26 Feb 2020 17:51

Tgt Ion: 75 Resp: 147104

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN060069.D (-3346) (-)

Ion 77.00 (76.70 to 77.70): VN060069.D (-3346) (-)

12.55

150000

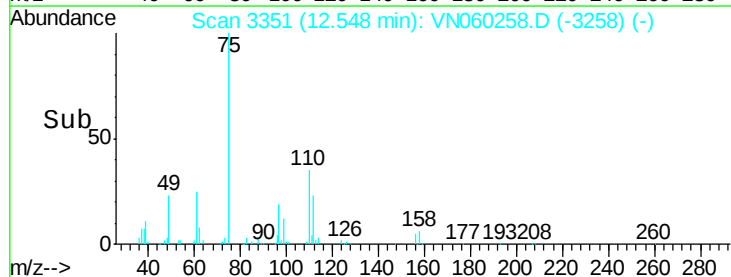
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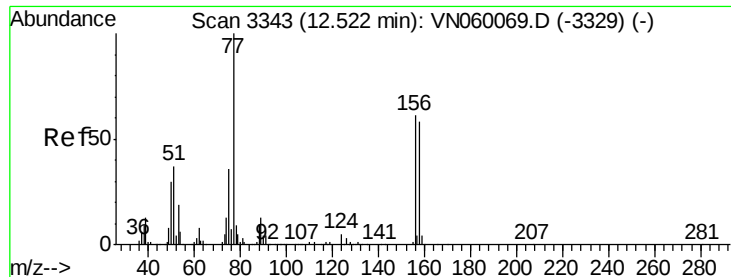
50000

0

12.52 12.54 12.56 12.58

Time-->





#77

Bromobenzene

Concen: 46.084 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN060258.D

Acq: 26 Feb 2020 17:51

Instrument :

MSVOA_N

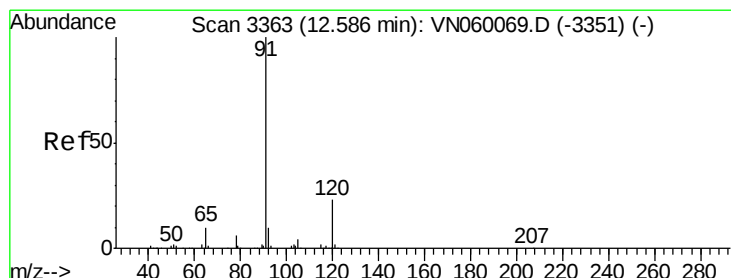
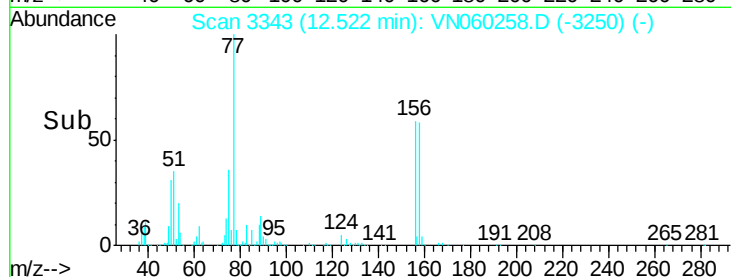
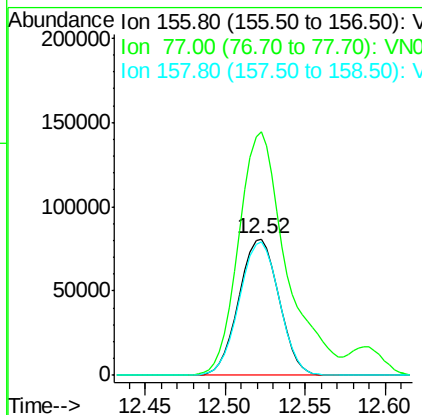
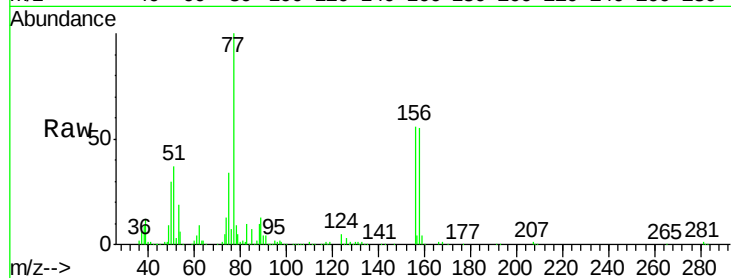
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	138200
Ion Ratio	Lower	Upper	
156	100		
77	212.6	98.7	296.1
158	97.6	48.1	144.4

Manual Integrations
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2/27/2020 9:41:02 AM



#78

n-propylbenzene

Concen: 48.186 ug/l

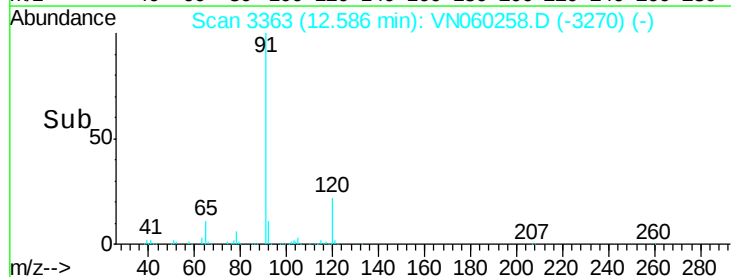
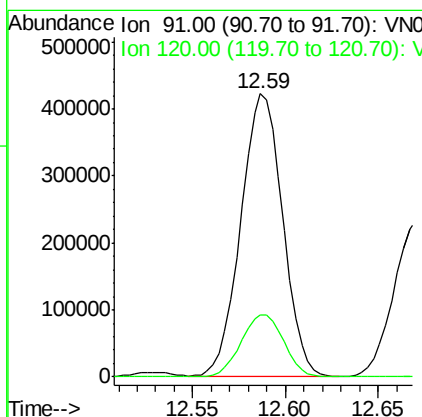
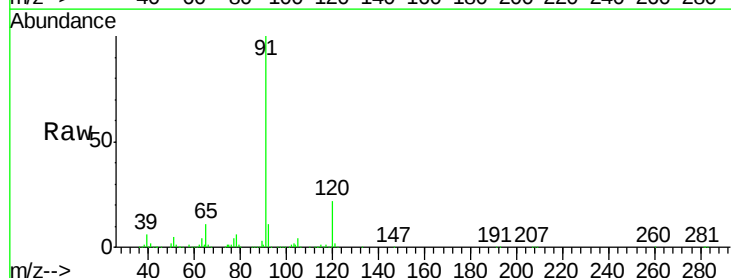
RT: 12.59 min Scan# 3363

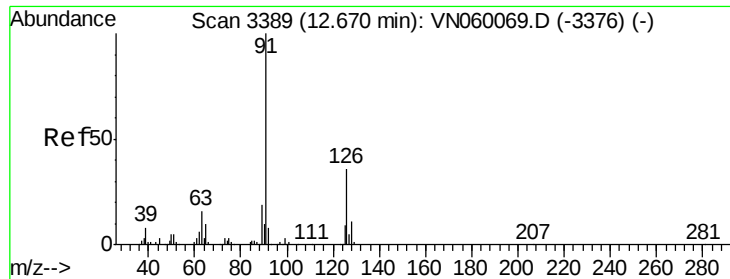
Delta R.T. -0.00 min

Lab File: VN060258.D

Acq: 26 Feb 2020 17:51

Tgt Ion:	91	Resp:	663400
Ion Ratio	Lower	Upper	
91	100		
120	22.4	11.5	34.5





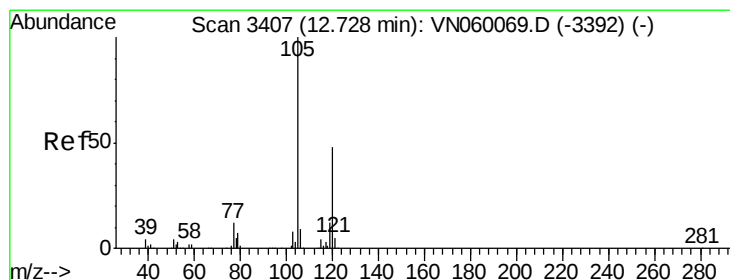
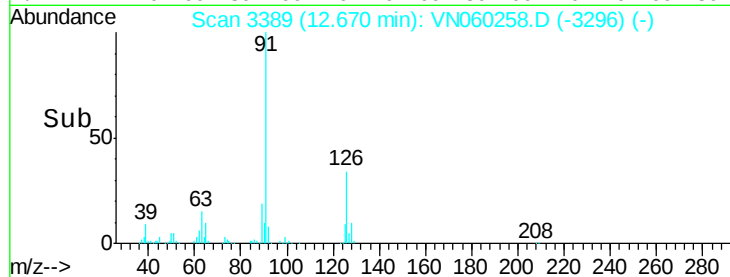
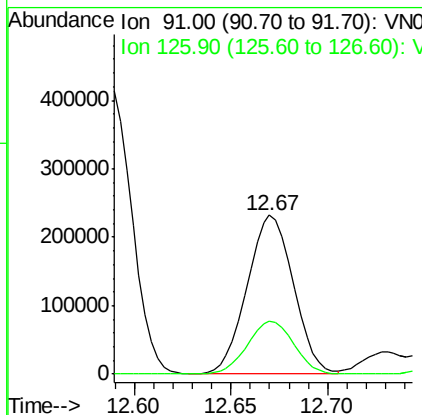
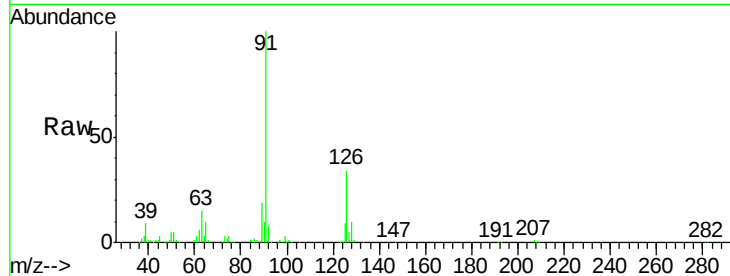
#79
2-Chlorotoluene
Concen: 47.747 ug/l
RT: 12.67 min Scan# 3389
Delta R.T. -0.00 min
Lab File: VN060258.D
Acq: 26 Feb 2020 17:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 386380
Ion Ratio Lower Upper
91 100
126 33.6 17.4 52.2

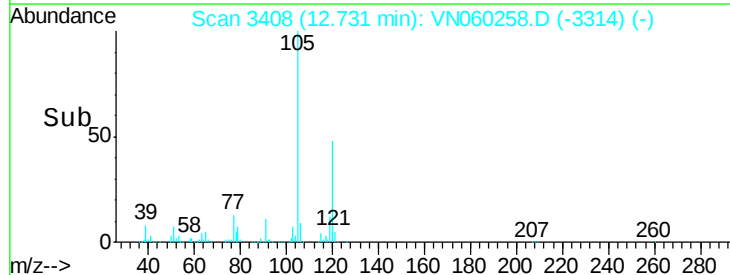
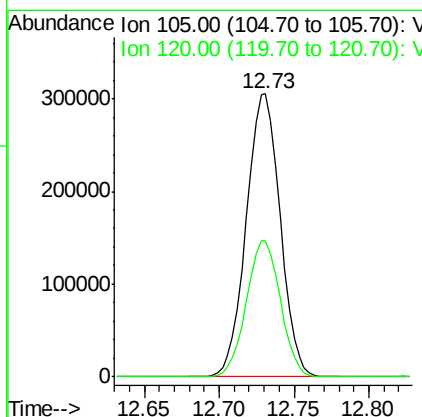
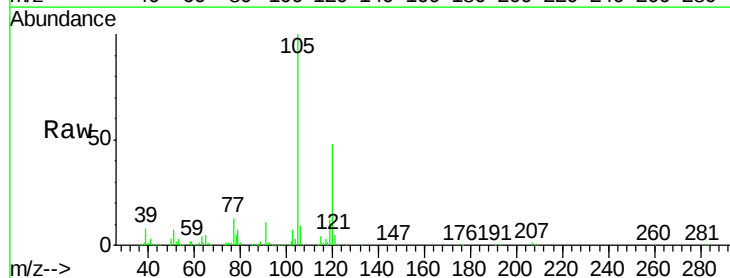
Manual Integrations
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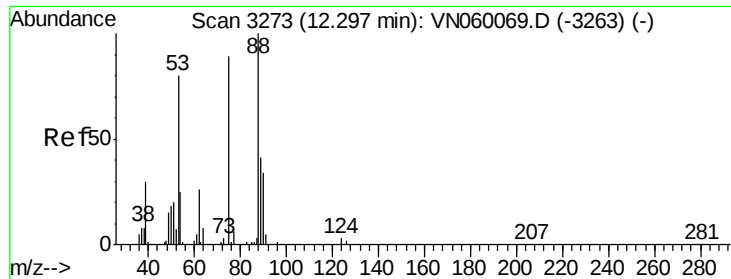
MMDadoda
2/27/2020 9:41:02 AM



#80
1,3,5-Trimethylbenzene
Concen: 47.973 ug/l
RT: 12.73 min Scan# 3408
Delta R.T. 0.00 min
Lab File: VN060258.D
Acq: 26 Feb 2020 17:51

Tgt Ion: 105 Resp: 481998
Ion Ratio Lower Upper
105 100
120 48.4 24.3 72.9





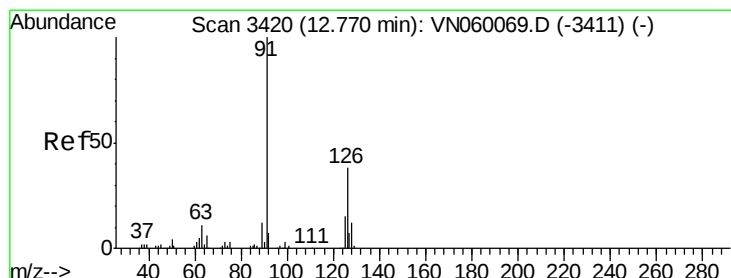
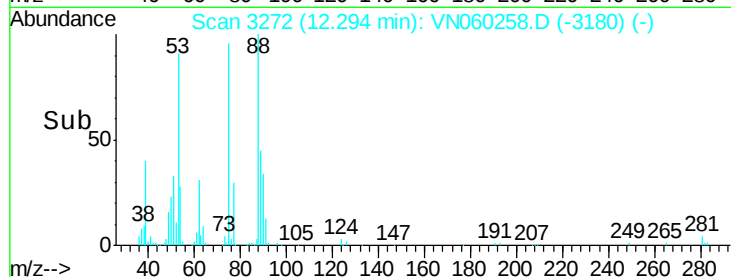
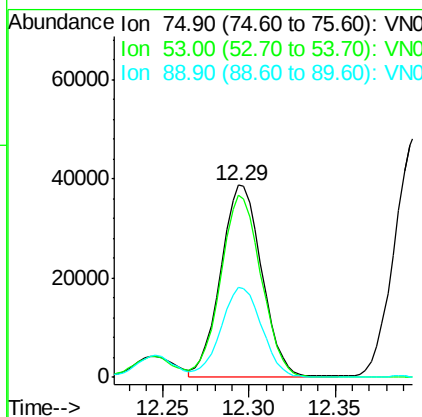
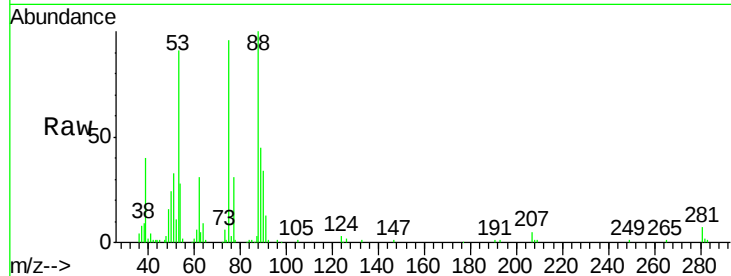
#81
trans-1,4-Dichloro-2-butene
Concen: 50.866 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. -0.00 min
Lab File: VN060258.D
Acq: 26 Feb 2020 17:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	93.8	73.9	110.9
89	46.8	37.0	55.4

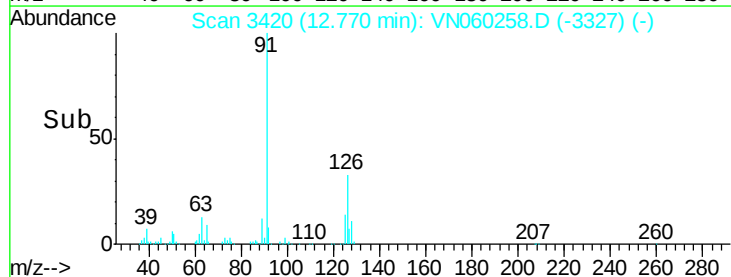
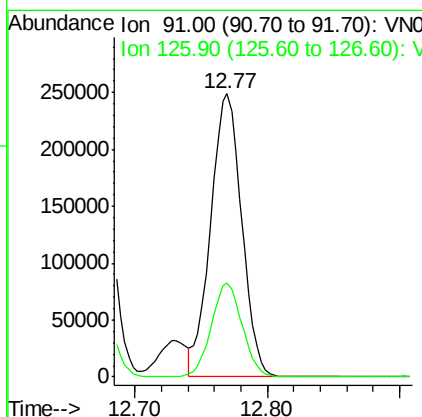
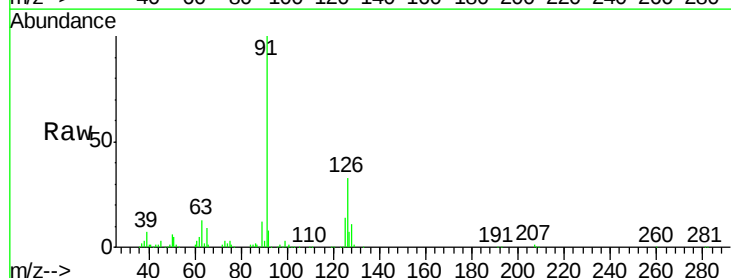
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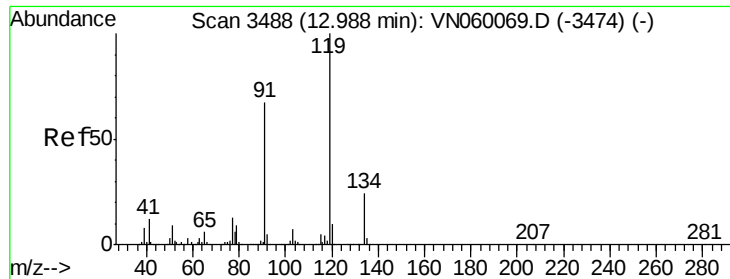
MMDadoda
2/27/2020 9:41:02 AM



#82
4-Chlorotoluene
Concen: 48.749 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. -0.00 min
Lab File: VN060258.D
Acq: 26 Feb 2020 17:51

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.7	17.1	51.3





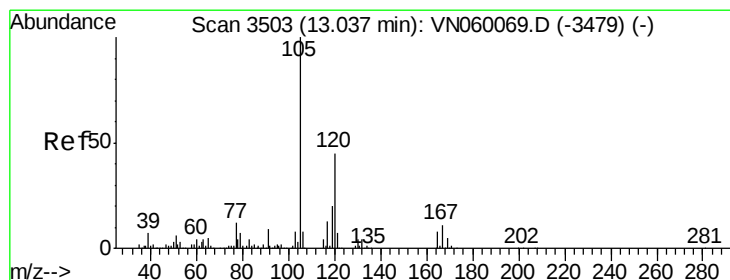
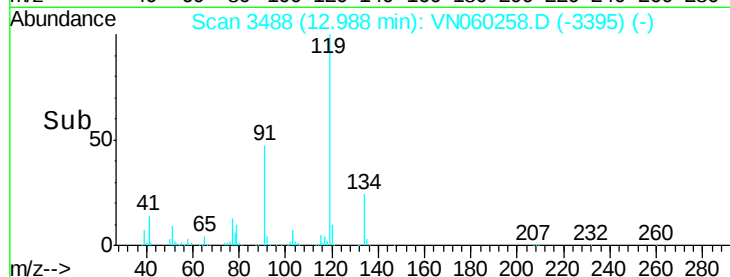
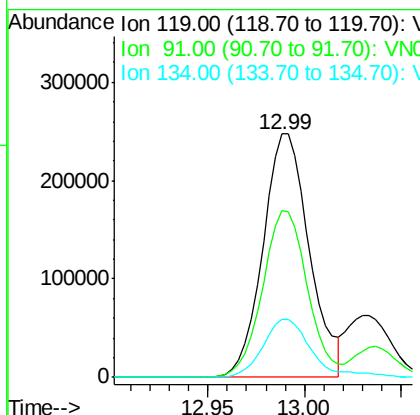
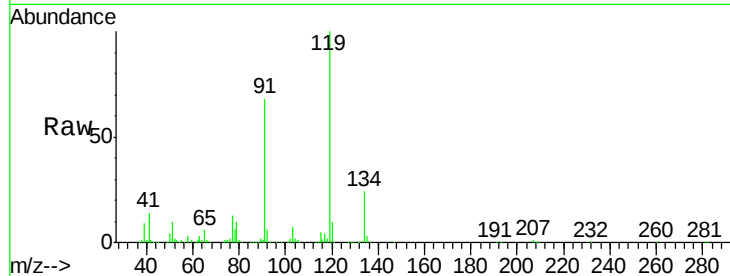
#83
 tert-Butylbenzene
 Concen: 46.545 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. -0.00 min
 Lab File: VN060258.D
 Acq: 26 Feb 2020 17:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.1	32.7	98.1
134	25.1	12.9	38.7

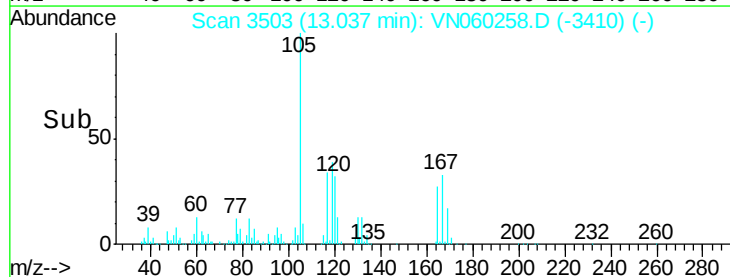
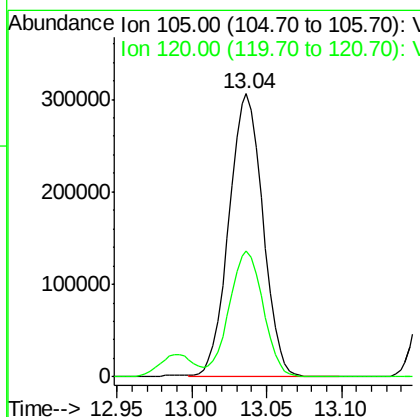
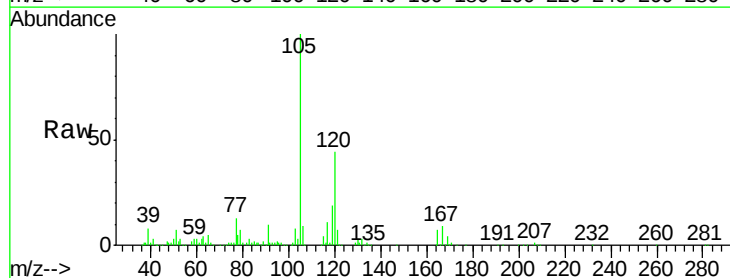
Manual Integrations
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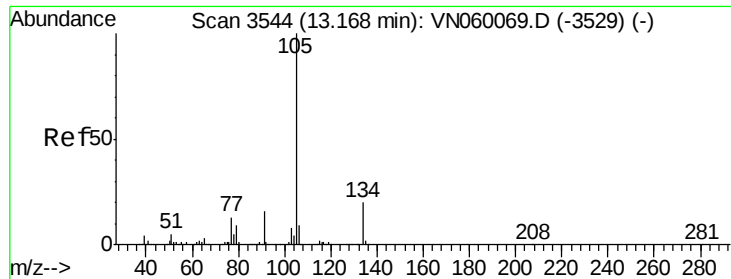
MMDadoda
 2/27/2020 9:41:02 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 48.842 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN060258.D
 Acq: 26 Feb 2020 17:51

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.6	22.4	67.3





#85

sec-Butylbenzene

Concen: 47.524 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN060258.D

Acq: 26 Feb 2020 17:51

Instrument :

MSVOA_N

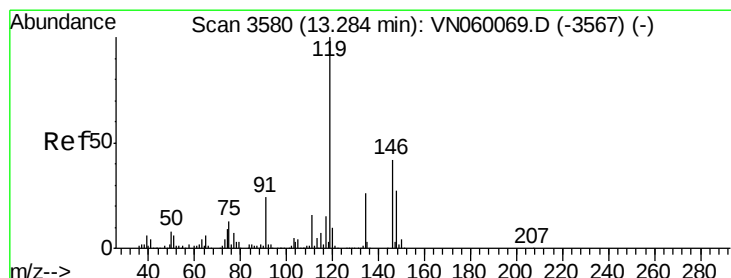
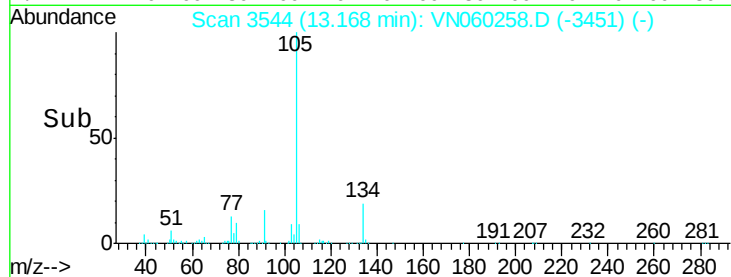
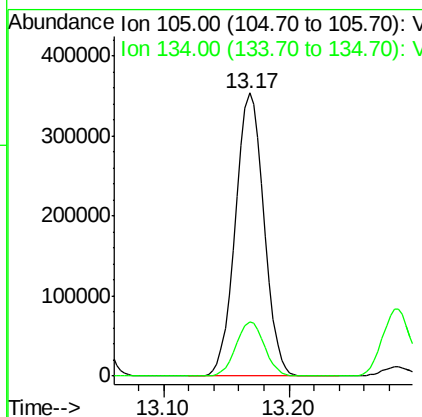
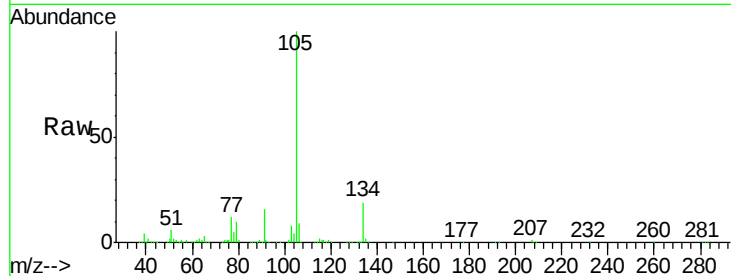
ClientSampleId :

VSTDCCC050EC

Tot Ion:	105	Resp:	559396
Ion Ratio		Lower	Upper
105	100		
134	19.2	9.9	29.7

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#86

p-Isopropyltoluene

Concen: 47.683 ug/l

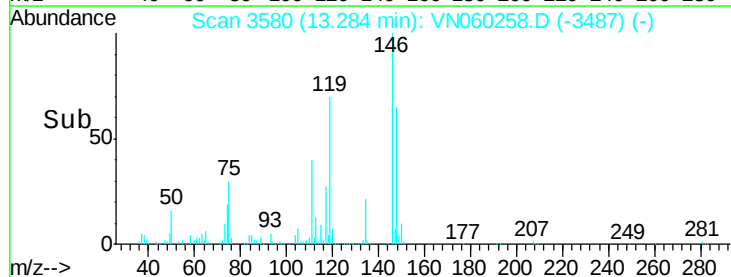
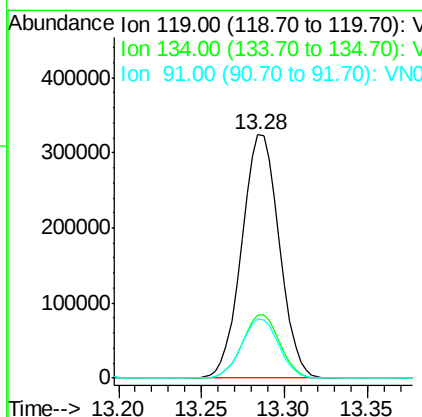
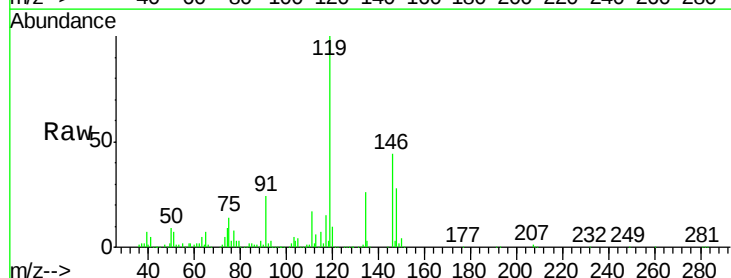
RT: 13.28 min Scan# 3580

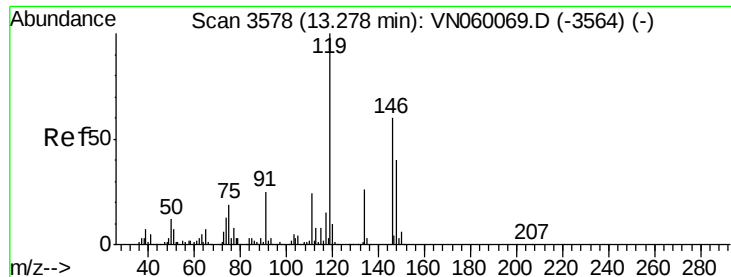
Delta R.T. -0.00 min

Lab File: VN060258.D

Acq: 26 Feb 2020 17:51

Tgt Ion:	119	Resp:	508530
Ion Ratio		Lower	Upper
119	100		
134	26.0	13.3	39.8
91	24.3	11.9	35.9





#87

1,3-Dichlorobenzene

Concen: 47.117 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN060258.D

Acq: 26 Feb 2020 17:51

Instrument :

MSVOA_N

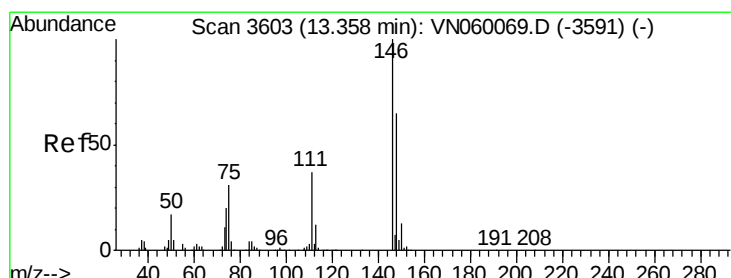
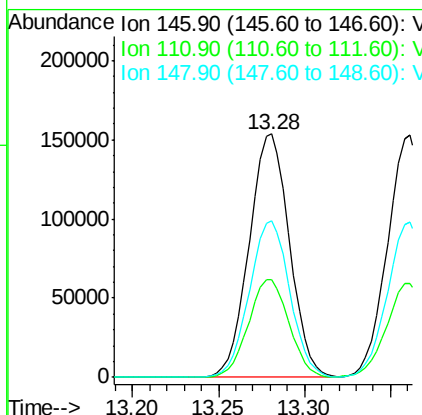
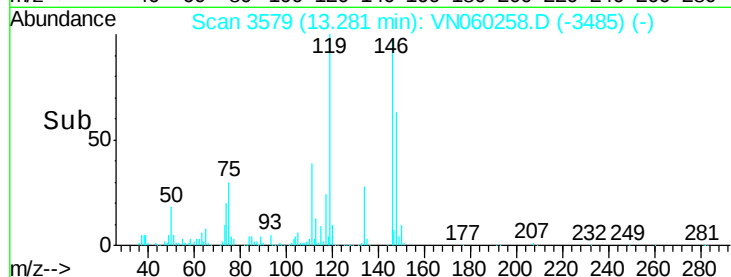
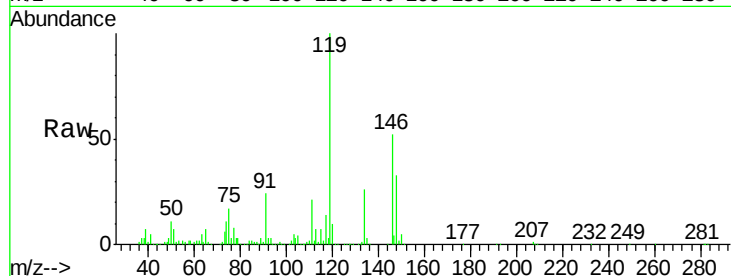
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	250112
Ion Ratio	Lower	Upper	
146	100		
111	40.4	19.8	59.3
148	64.4	32.0	96.2

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#88

1,4-Dichlorobenzene

Concen: 47.124 ug/l

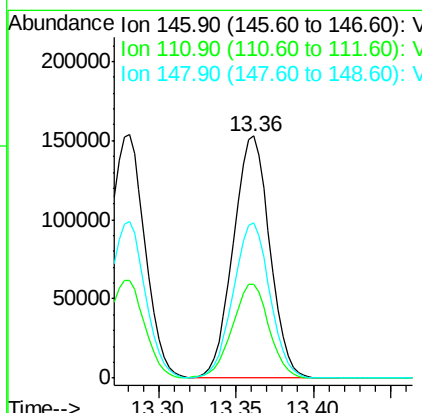
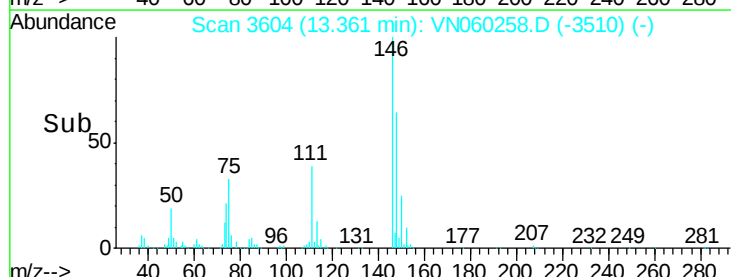
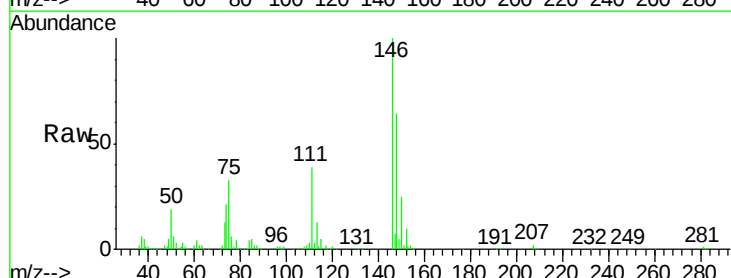
RT: 13.36 min Scan# 3604

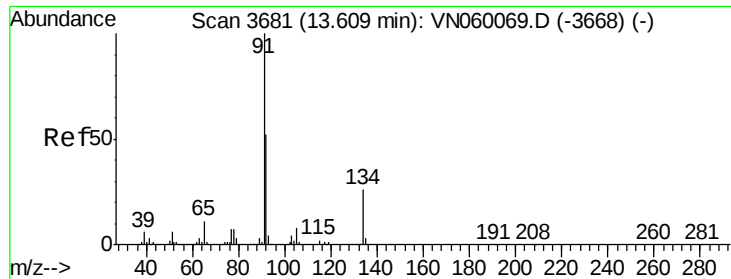
Delta R.T. 0.00 min

Lab File: VN060258.D

Acq: 26 Feb 2020 17:51

Tgt Ion:	146	Resp:	250099
Ion Ratio	Lower	Upper	
146	100		
111	39.3	18.9	56.5
148	64.2	32.0	96.0





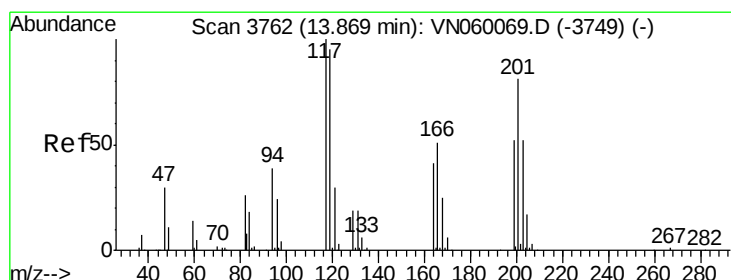
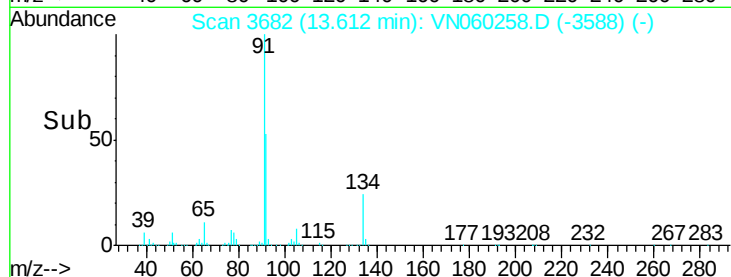
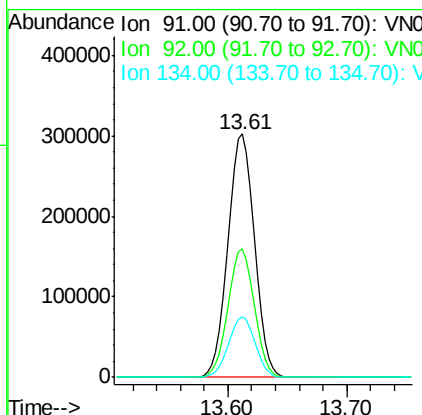
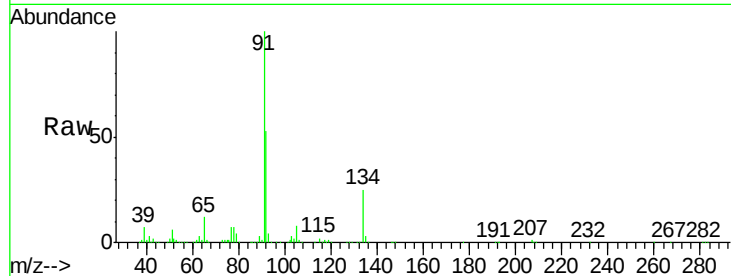
#89
n-Butylbenzene
Concen: 49.965 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN060258.D
Acq: 26 Feb 2020 17:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.1	78.2
134	25.0	13.1	39.3

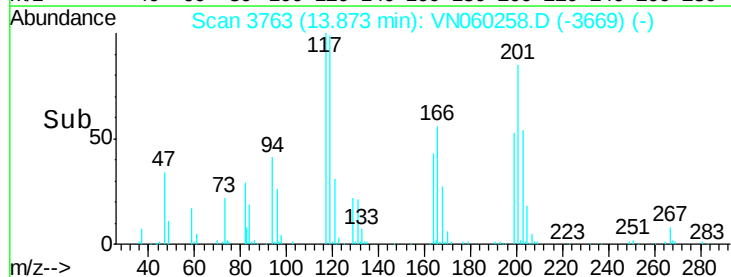
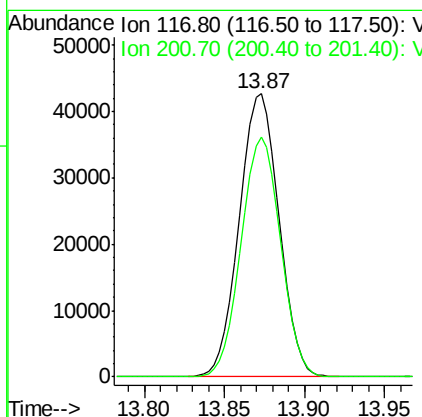
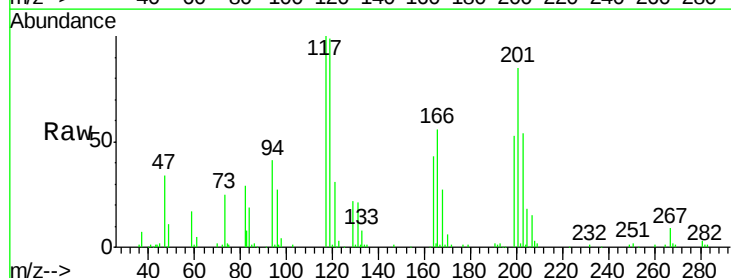
Manual Integrations
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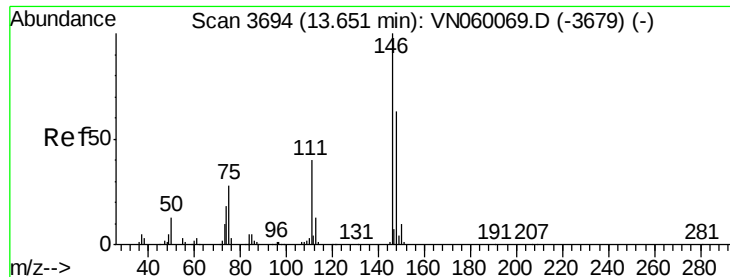
MMDadoda
2/27/2020 9:41:02 AM



#90
Hexachloroethane
Concen: 36.283 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN060258.D
Acq: 26 Feb 2020 17:51

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.9	41.7	125.1





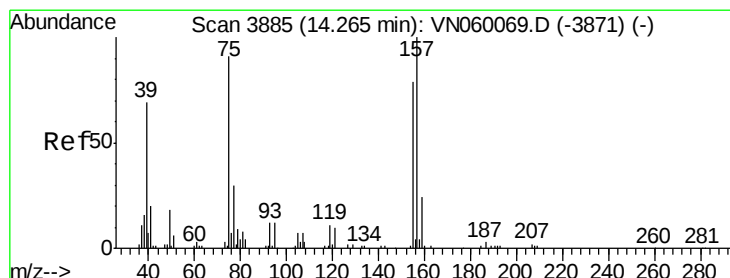
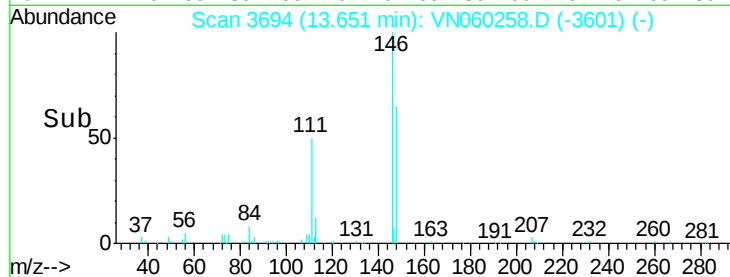
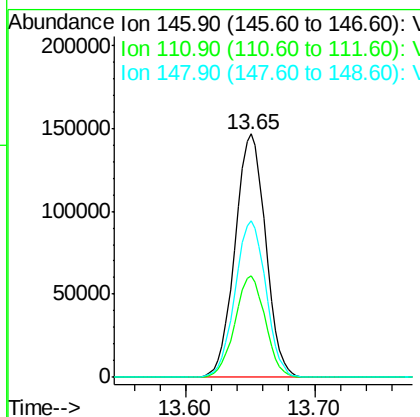
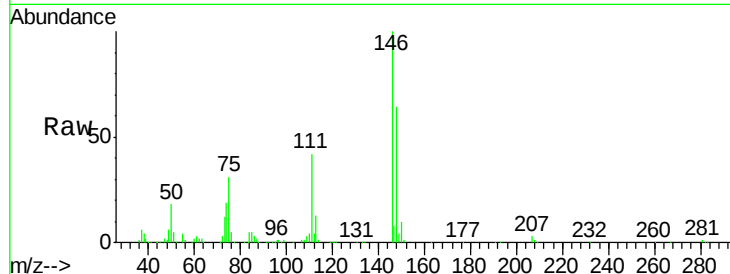
#91
 1,2-Dichlorobenzene
 Concen: 46.505 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN060258.D
 Acq: 26 Feb 2020 17:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	241590		
111	41.3	20.1	60.2	
148	64.9	31.9	95.5	

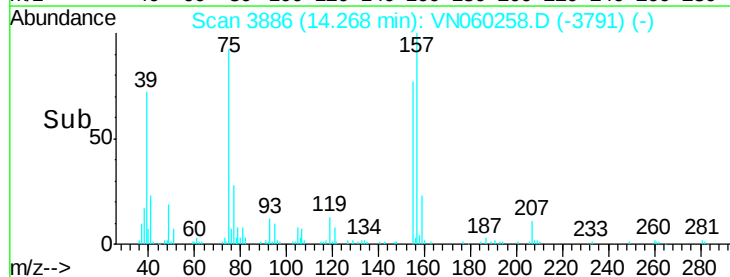
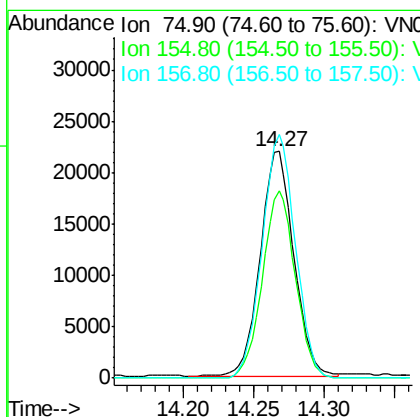
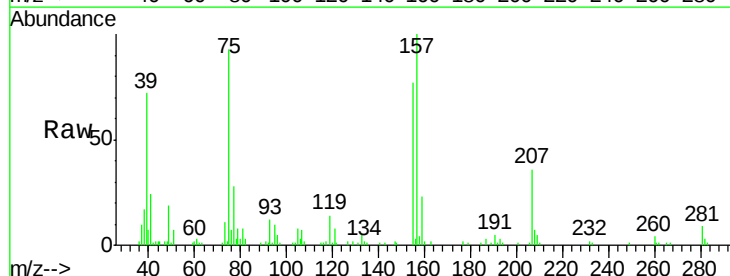
Manual Integrations
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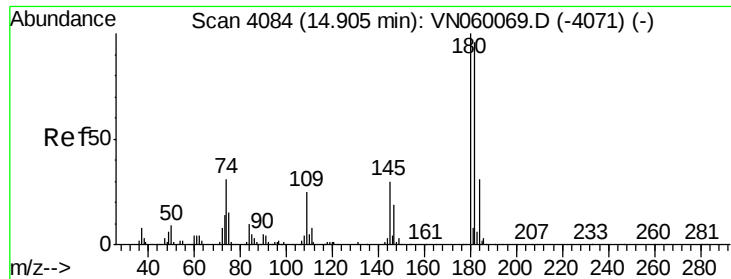
MMDadoda
 2/27/2020 9:41:02 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.100 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN060258.D
 Acq: 26 Feb 2020 17:51

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	36322		
155	81.3	43.0	129.0	
157	107.0	54.9	164.5	





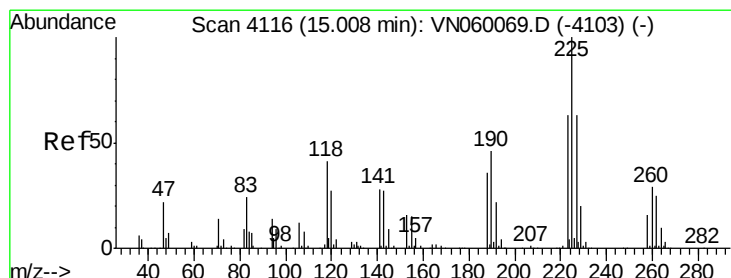
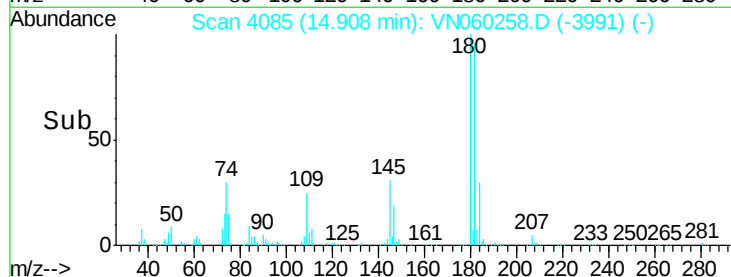
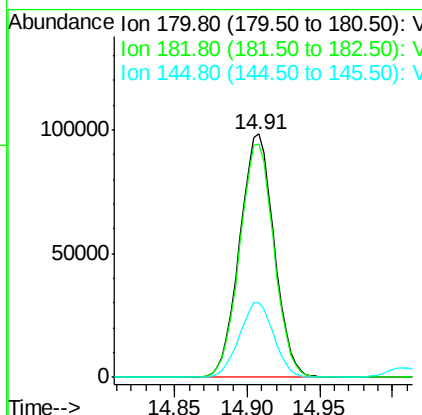
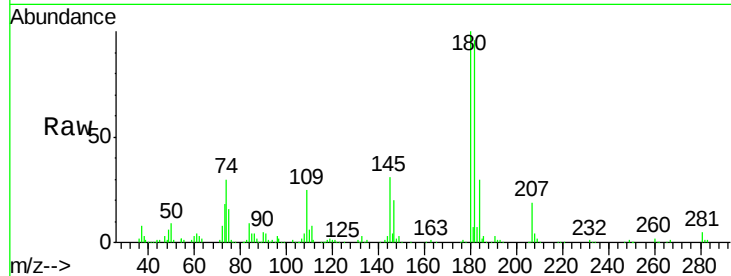
#93
 1,2,4-Trichlorobenzene
 Concen: 53.287 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN060258.D
 Acq: 26 Feb 2020 17:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	162653		
182	95.7	47.9	143.8	
145	30.8	15.2	45.5	

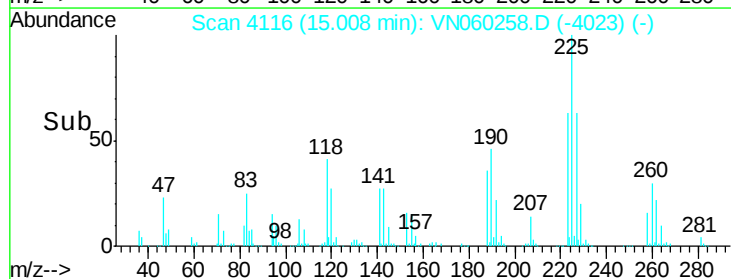
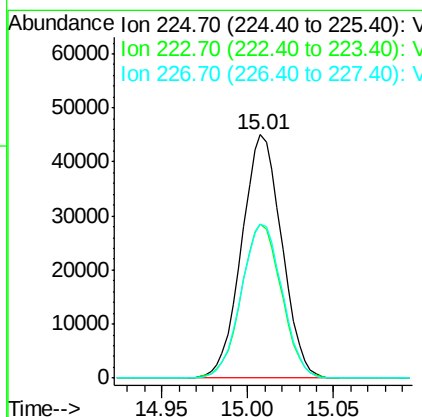
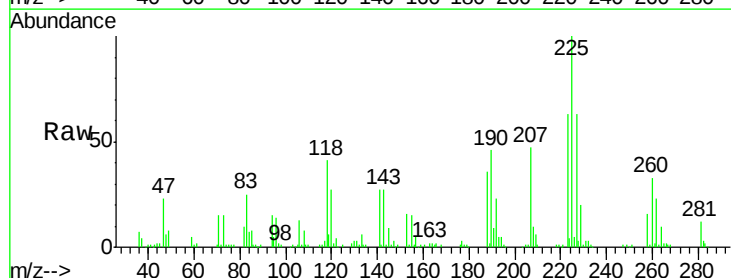
Manual Integrations
 APPROVED

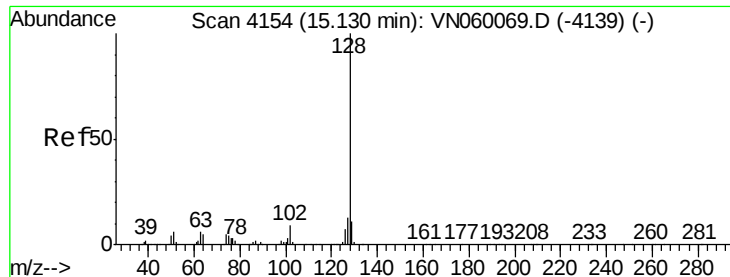
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 2/27/2020 9:41:02 AM



#94
 Hexachlorobutadiene
 Concen: 40.905 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN060258.D
 Acq: 26 Feb 2020 17:51

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	73096		
223	63.3	31.5	94.5	
227	64.4	31.8	95.4	





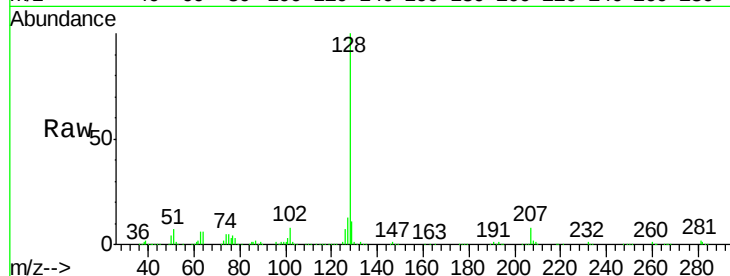
#95
Naphthalene
Concen: 59.861 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN060258.D
Acq: 26 Feb 2020 17:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

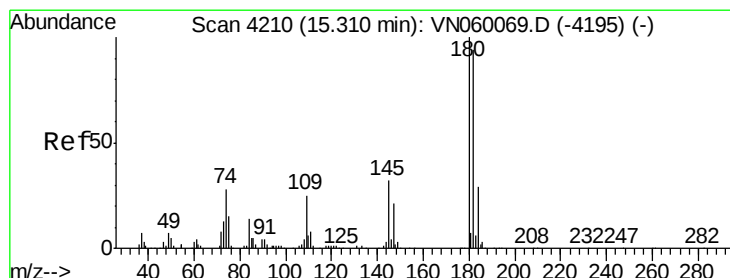
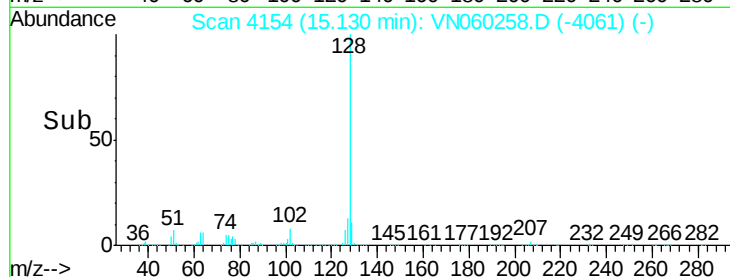
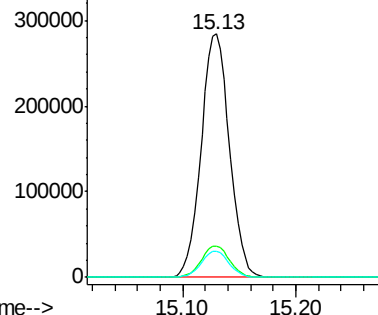
Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	10.7	8.6	13.0

Manual Integrations
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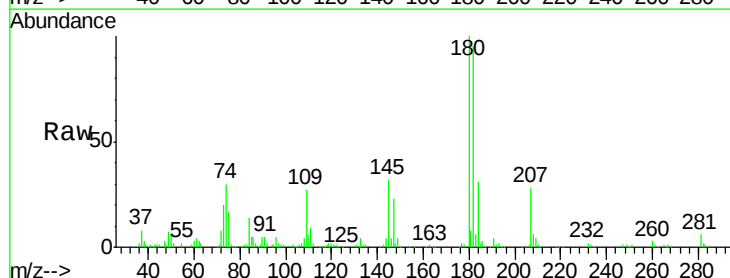


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 50.501 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. -0.00 min
Lab File: VN060258.D
Acq: 26 Feb 2020 17:51

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.5	142.5
145	32.4	16.1	48.3



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

