

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022720\
 Data File : VN060269.D
 Acq On : 27 Feb 2020 14:12
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN022720

Manual Integrations
 APPROVED

MMDadoda
 2/28/2020 12:31:20 PM

Quant Time: Feb 27 16:40:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	224559	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	355408	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	329926	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	161486	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	135667	47.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.18%	
35) Dibromofluoromethane	7.56	113	89340	54.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.32%	
50) Toluene-d8	10.08	98	406143	48.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.28%	
62) 4-Bromofluorobenzene	12.40	95	153219	48.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	104693	50.850	ug/l	99
3) Chloromethane	2.04	50	166854	46.548	ug/l	99
4) Vinyl Chloride	2.16	62	147574	48.005	ug/l	100
5) Bromomethane	2.54	94	65039	52.690	ug/l	98
6) Chloroethane	2.68	64	82436	49.493	ug/l	97
7) Trichlorofluoromethane	3.00	101	195904	49.878	ug/l	100
8) Diethyl Ether	3.38	74	74300	50.103	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	113467	51.046	ug/l	98
10) Methyl Iodide	3.92	142	118980	58.649	ug/l	99
11) Tert butyl alcohol	4.73	59	109125	255.078	ug/l	100
12) 1,1-Dichloroethene	3.71	96	111698	51.778	ug/l	99
13) Acrolein	3.57	56	102128	255.891	ug/l	98
14) Allyl chloride	4.29	41	185618	46.664	ug/l	90
15) Acrylonitrile	4.94	53	294442	261.117	ug/l	99
16) Acetone	3.78	43	209975	225.682	ug/l	100
17) Carbon Disulfide	4.03	76	299240	52.301	ug/l	100
18) Methyl Acetate	4.28	43	149065	48.009	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	396039	50.561	ug/l	98
20) Methylene Chloride	4.52	84	126727	49.596	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	118411	51.095	ug/l	97
22) Diisopropyl ether	5.91	45	415268	51.539	ug/l	99
23) Vinyl Acetate	5.85	43	1683716	262.973	ug/l	100
24) 1,1-Dichloroethane	5.82	63	232915	51.067	ug/l	99
25) 2-Butanone	6.80	43	377567	251.239	ug/l	99
26) 2,2-Dichloropropane	6.79	77	214297	51.610	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	139197	46.980	ug/l	98
28) Bromochloromethane	7.17	49	79581	42.497	ug/l	100
29) Tetrahydrofuran	7.18	42	258549	247.408	ug/l	98
30) Chloroform	7.34	83	230104	50.680	ug/l	100
31) Cyclohexane	7.63	56	204123	52.512	ug/l	99
32) 1,1,1-Trichloroethane	7.54	97	206618	51.362	ug/l	98
36) 1,1-Dichloropropene	7.77	75	172301	50.868	ug/l	99
37) Ethyl Acetate	6.89	43	167433	52.204	ug/l	99
38) Carbon Tetrachloride	7.75	117	174671	52.965	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	208259	52.147	ug/l	99
40) Benzene	8.02	78	510578	51.790	ug/l	100
41) Methacrylonitrile	7.14	41	71975m	48.602	ug/l	
42) 1,2-Dichloroethane	8.10	62	185156	52.045	ug/l	100
43) Isopropyl Acetate	8.14	43	296224	52.757	ug/l	99
44) Trichloroethene	8.82	130	140411	51.138	ug/l	100
45) 1,2-Dichloropropane	9.10	63	136938	53.127	ug/l	99
46) Dibromomethane	9.19	93	87593	52.372	ug/l	100
47) Bromodichloromethane	9.38	83	182355	53.608	ug/l	98
48) Methyl methacrylate	9.18	41	132490	51.745	ug/l	98
49) 1,4-Dioxane	9.18	88	38320	1064.240	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	850117	267.036	ug/l	100
52) Toluene	10.14	92	325141	52.502	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	215112	51.609	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	227077	52.576	ug/l	100
55) 1,1,2-Trichloroethane	10.55	97	127428	51.167	ug/l	99
56) Ethyl methacrylate	10.42	69	199032	55.629	ug/l	100
57) 1,3-Dichloropropane	10.70	76	213185	52.491	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	490328	262.032	ug/l	99
59) 2-Hexanone	10.74	43	619513	265.041	ug/l	98
60) Dibromochloromethane	10.89	129	139315	55.007	ug/l	98
61) 1,2-Dibromoethane	10.99	107	129424	53.311	ug/l	99
64) Tetrachloroethene	10.62	164	146125	56.434	ug/l	98
65) Chlorobenzene	11.43	112	343212	51.518	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	132064	53.614	ug/l	99
67) Ethyl Benzene	11.50	91	644620	53.133	ug/l	100
68) m/p-Xylenes	11.62	106	479364	104.725	ug/l	100
69) o-Xylene	11.94	106	232360	53.234	ug/l	99
70) Styrene	11.96	104	388777	54.174	ug/l	100
71) Bromoform	12.12	173	99106	55.825	ug/l #	99
73) Isopropylbenzene	12.25	105	631459	52.757	ug/l	99
74) N-amyl acetate	12.06	43	269140	51.459	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	168376	51.752	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	167269m	47.211	ug/l	
77) Bromobenzene	12.52	156	152901	52.114	ug/l	98
78) n-propylbenzene	12.59	91	738759	52.656	ug/l	100
79) 2-Chlorotoluene	12.67	91	427343	51.817	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	537128	53.300	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	71520	55.723	ug/l #	62
82) 4-Chlorotoluene	12.77	91	448524	51.620	ug/l	100
83) tert-Butylbenzene	12.99	119	462635	53.024	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	536319	52.727	ug/l	99
85) sec-Butylbenzene	13.17	105	621032	53.153	ug/l	100
86) p-Isopropyltoluene	13.28	119	566834	52.416	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	278642	55.290	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	274699	54.832	ug/l	99
89) n-Butylbenzene	13.61	91	514611	51.839	ug/l	100
90) Hexachloroethane	13.87	117	87070	55.625	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	263324	51.220	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	36170	49.092	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	171020	52.349	ug/l	100
94) Hexachlorobutadiene	15.01	225	82869	55.246	ug/l	98
95) Naphthalene	15.13	128	494220	51.372	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	161080	52.367	ug/l	100

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

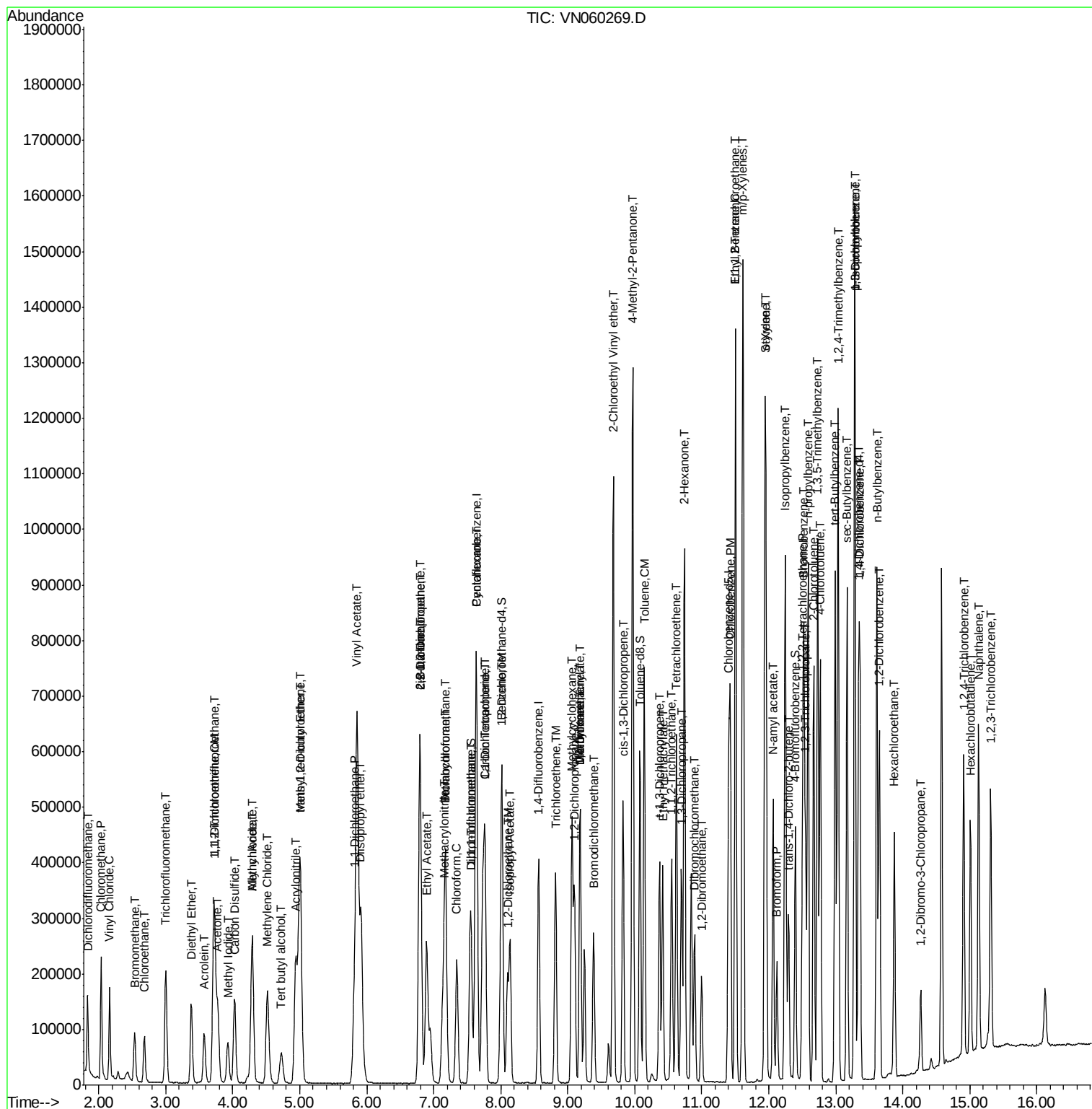
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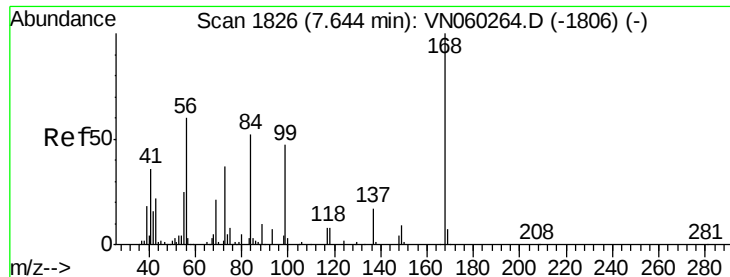
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060269.D

Acq: 27 Feb 2020 14:12

Instrument :

MSVOA_N

ClientSampleId :

ICVVN022720

Tot Ion:168 Resp: 224559

Ion Ratio Lower Upper

168 100

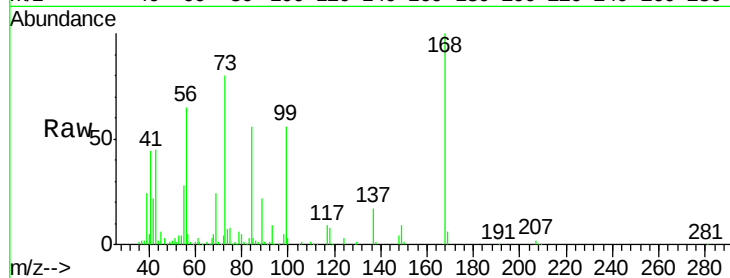
99 55.9 44.7 67.1

Manual Integrations

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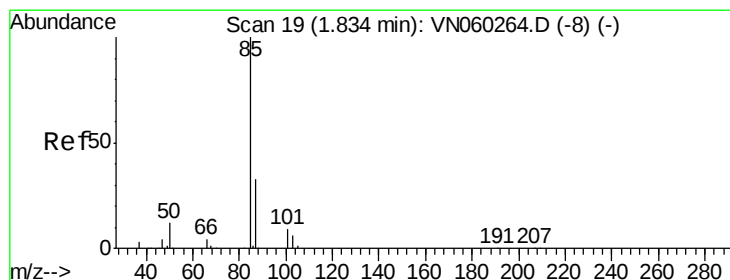
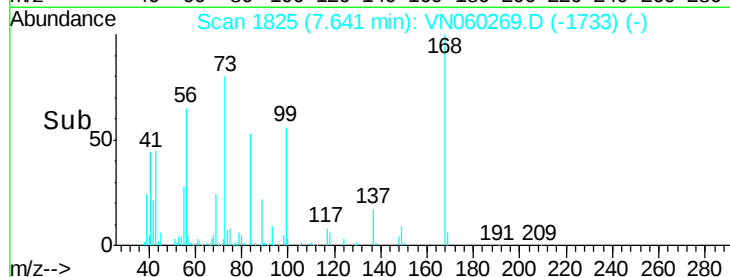
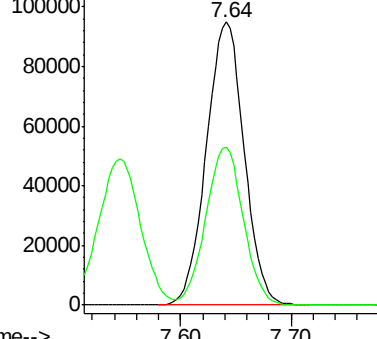
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 50.850 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060269.D

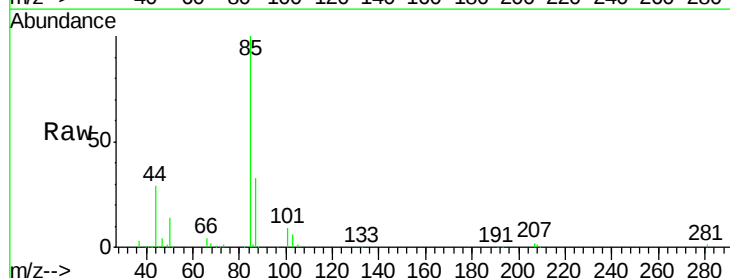
Acq: 27 Feb 2020 14:12

Tgt Ion: 85 Resp: 104693

Ion Ratio Lower Upper

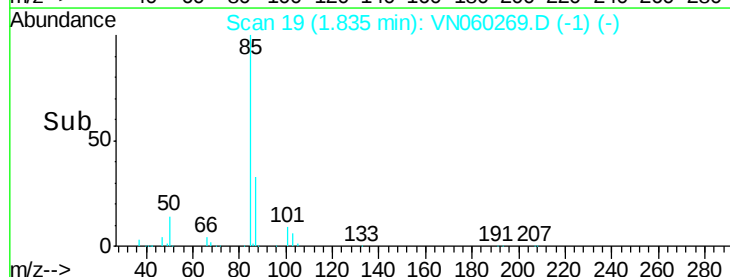
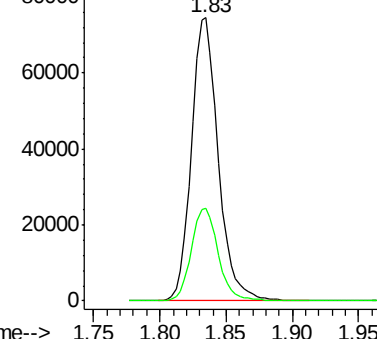
85 100

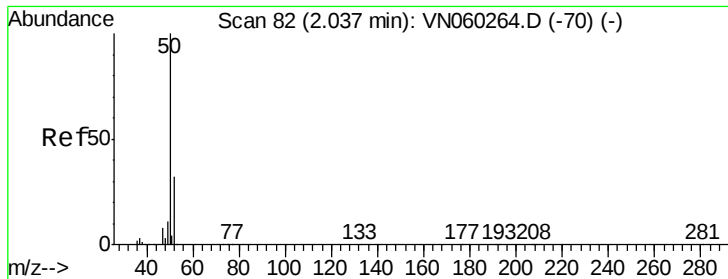
87 32.9 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 46.548 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060269.D

Acq: 27 Feb 2020 14:12

Instrument :

MSVOA_N

ClientSampled :

ICVVN022720

Tot Ion: 50 Resp: 166854

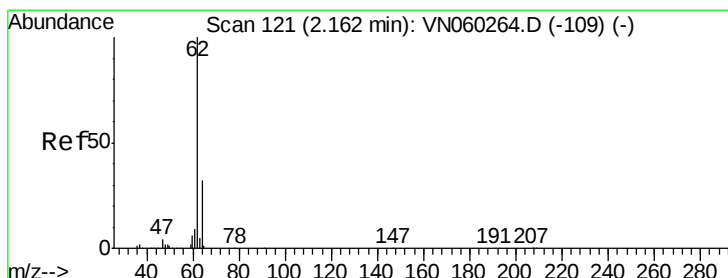
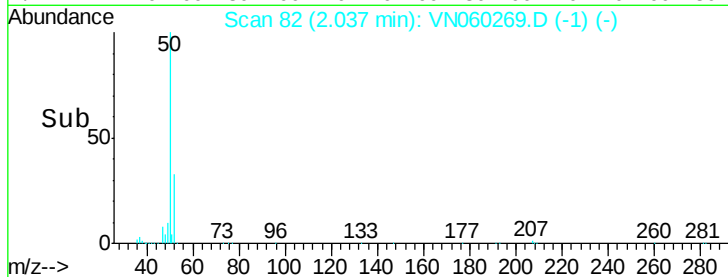
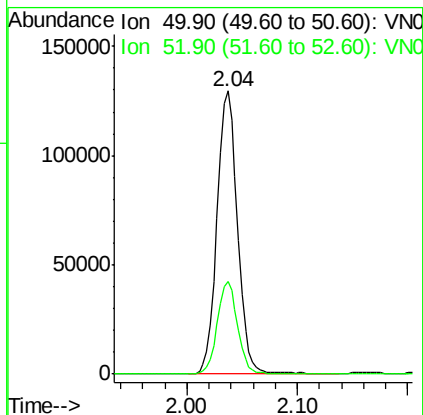
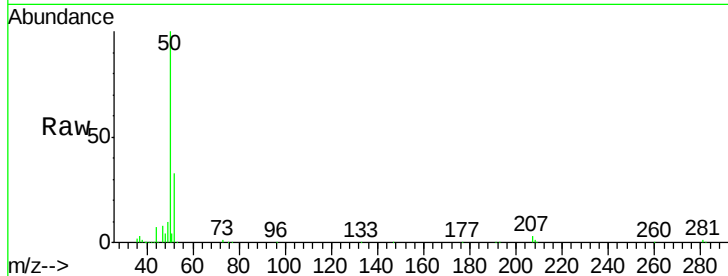
Ion Ratio Lower Upper

50 100

52 32.6 25.6 38.4

Manual Integrations
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#4

Vinyl Chloride

Concen: 48.005 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN060269.D

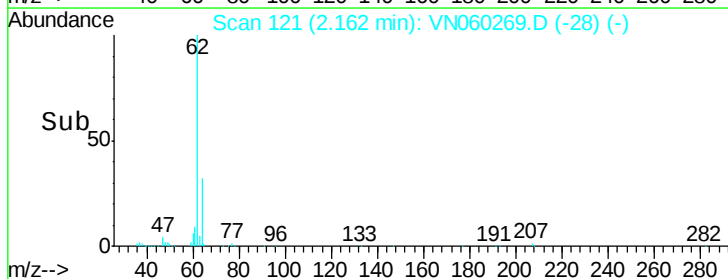
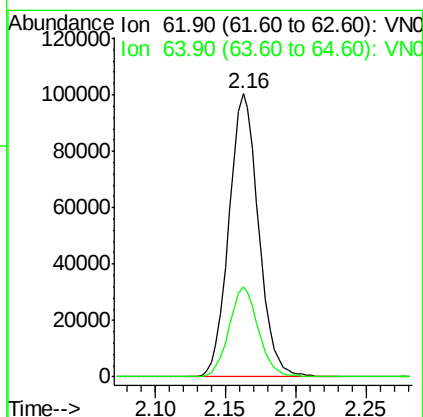
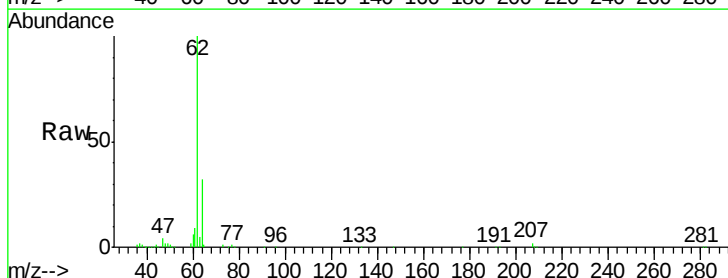
Acq: 27 Feb 2020 14:12

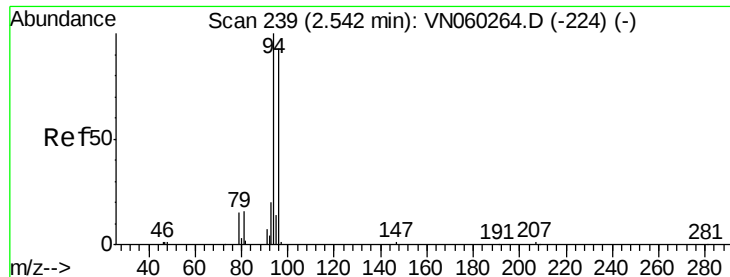
Tgt Ion: 62 Resp: 147574

Ion Ratio Lower Upper

62 100

64 31.7 25.5 38.3





#5

Bromomethane

Concen: 52.690 ug/l

RT: 2.54 min Scan# 237

Delta R.T. -0.01 min

Lab File: VN060269.D

Acq: 27 Feb 2020 14:12

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Tot Ion: 94 Resp: 65039

Ion Ratio Lower Upper

94 100

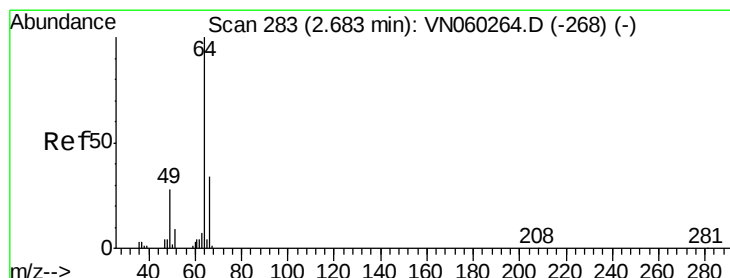
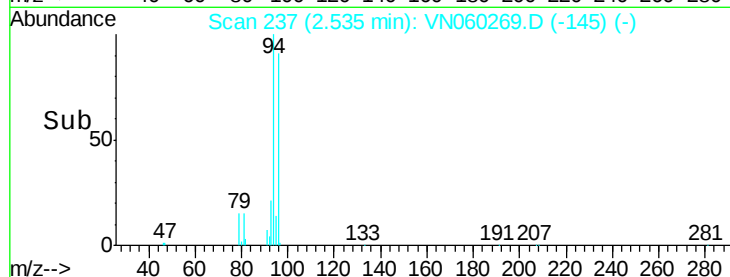
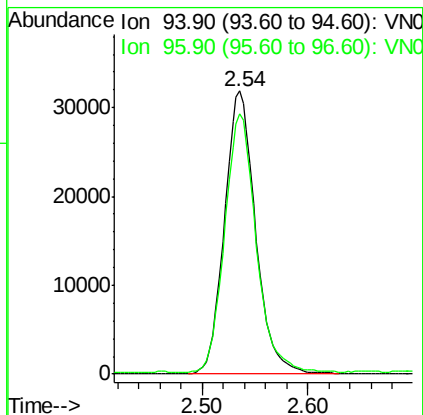
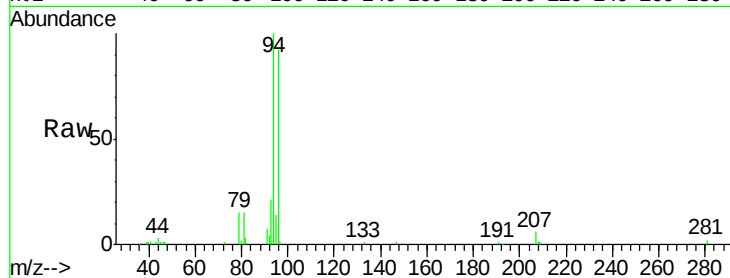
96 91.3 74.3 111.5

Manual Integrations

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#6

Chloroethane

Concen: 49.493 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.00 min

Lab File: VN060269.D

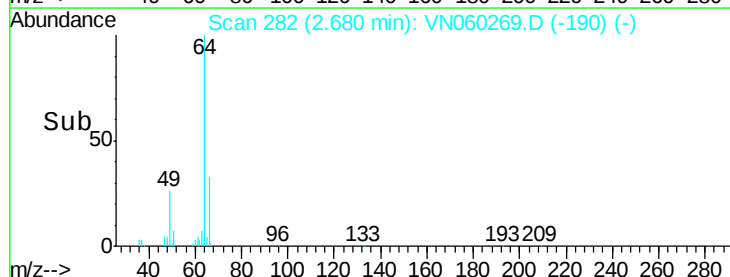
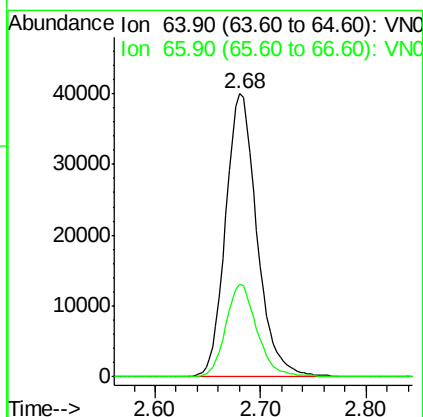
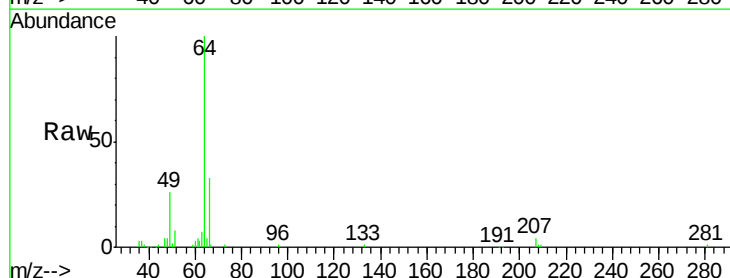
Acq: 27 Feb 2020 14:12

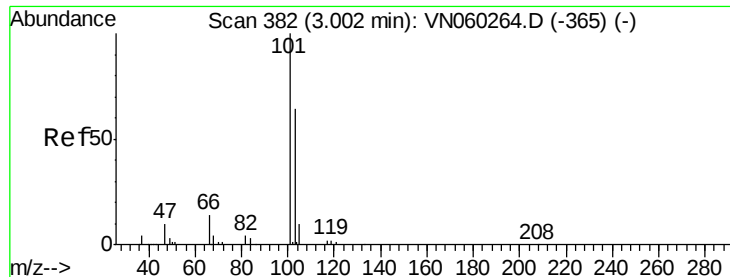
Tgt Ion: 64 Resp: 82436

Ion Ratio Lower Upper

64 100

66 32.6 27.4 41.2





#7

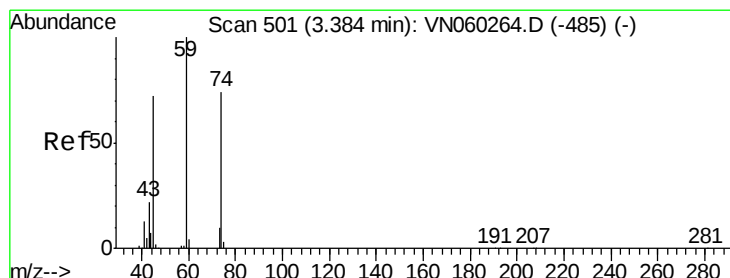
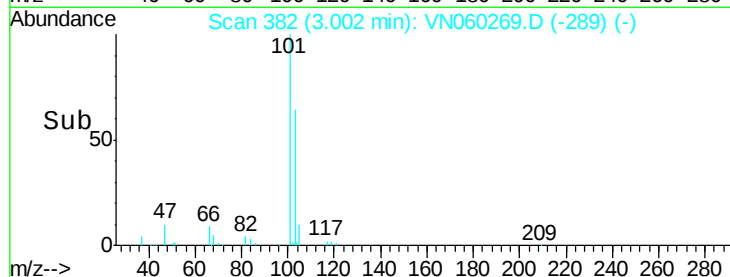
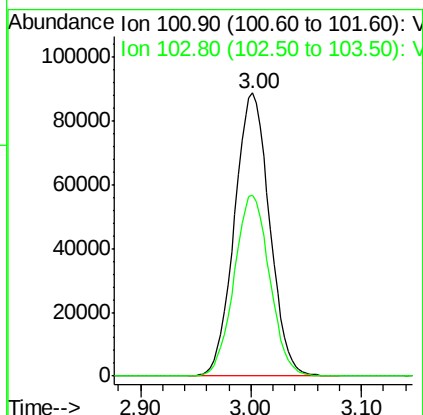
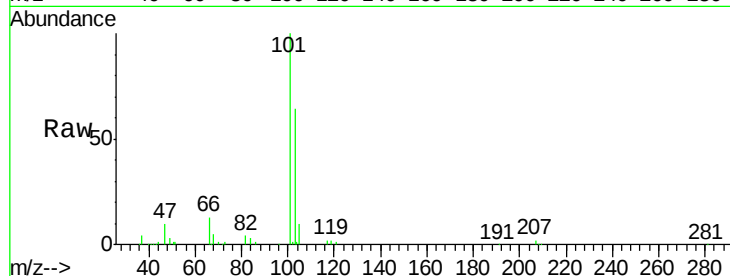
Trichlorofluoromethane
Concen: 49.878 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN060269.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.2	51.3	76.9

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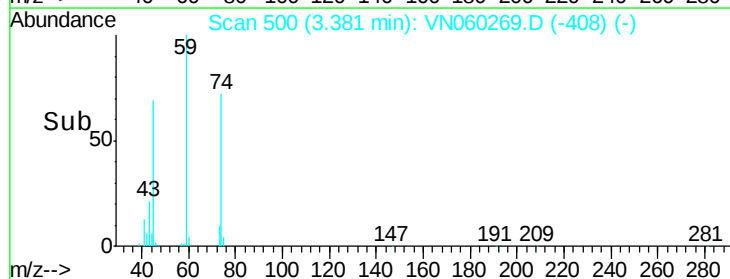
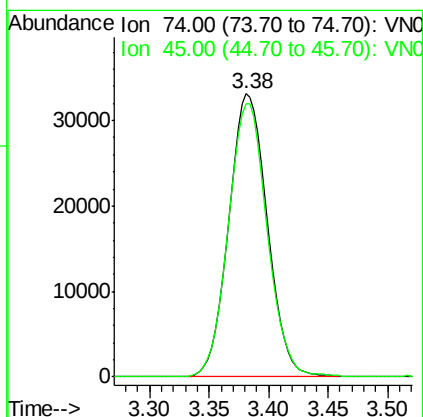
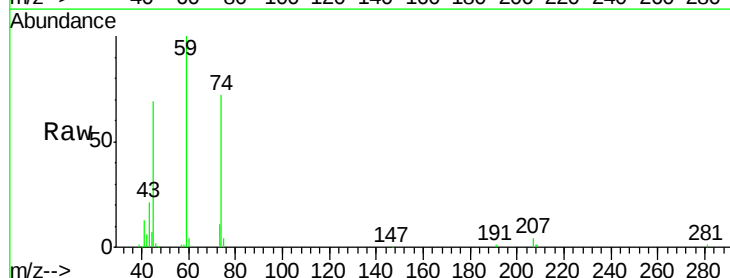
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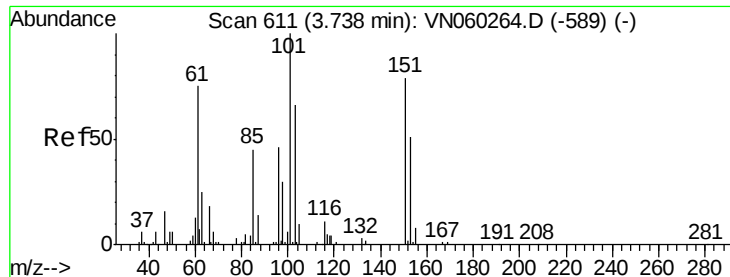


#8

Diethyl Ether
Concen: 50.103 ug/l
RT: 3.38 min Scan# 500
Delta R.T. -0.00 min
Lab File: VN060269.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.5	49.5	148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.046 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN060269.D

Acq: 27 Feb 2020 14:12

Instrument :

MSVOA_N

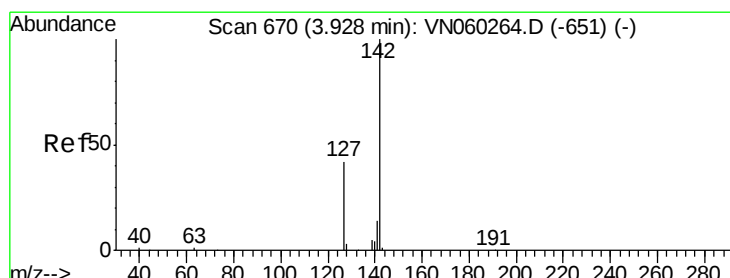
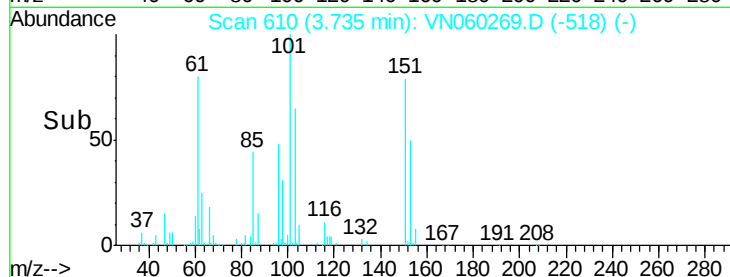
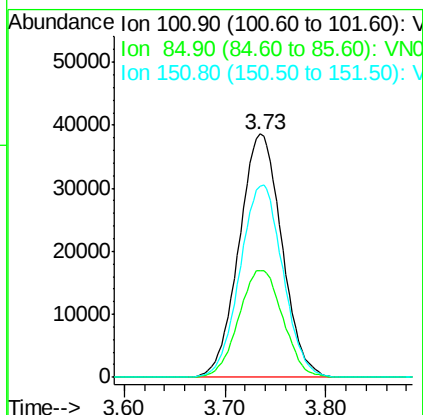
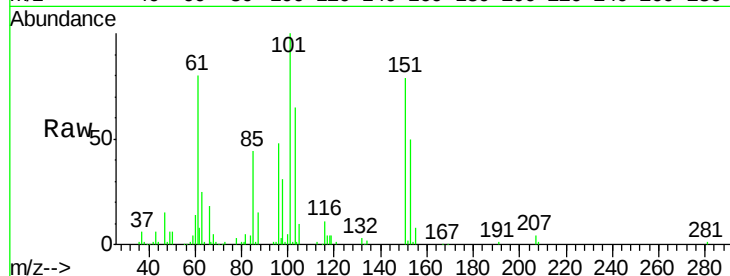
ClientSampleId :

ICVVN022720

Tot Ion:	101	Resp:	113467
Ion Ratio	Lower	Upper	
101	100		
85	45.3	35.4	53.2
151	79.3	62.0	93.0

Manual Integrations
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#10

Methyl Iodide

Concen: 58.649 ug/l

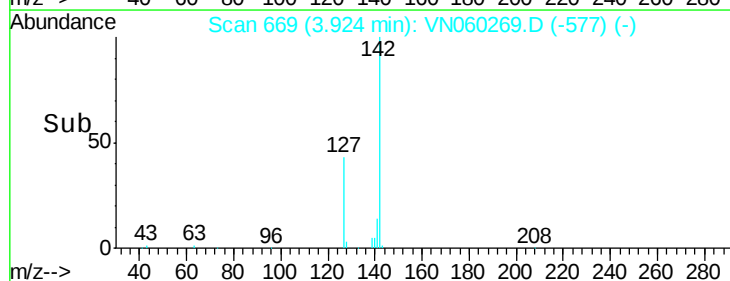
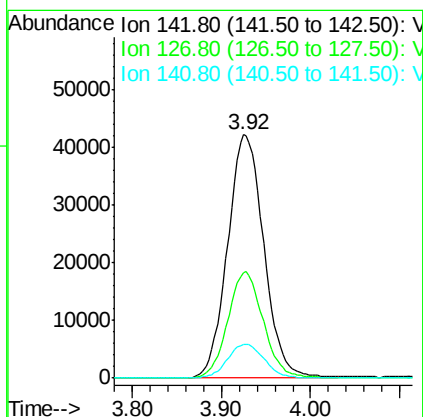
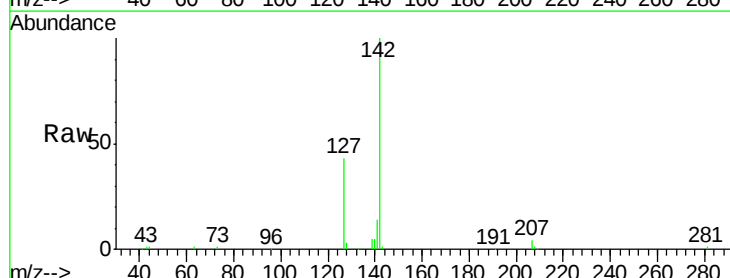
RT: 3.92 min Scan# 669

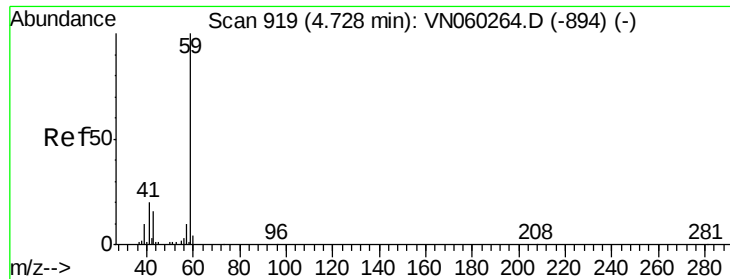
Delta R.T. -0.00 min

Lab File: VN060269.D

Acq: 27 Feb 2020 14:12

Tgt Ion:	142	Resp:	118980
Ion Ratio	Lower	Upper	
142	100		
127	42.7	33.8	50.6
141	13.9	11.1	16.7





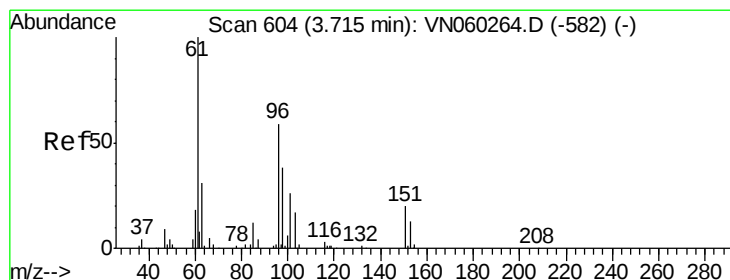
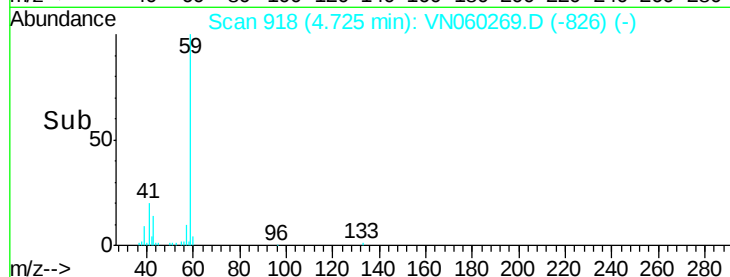
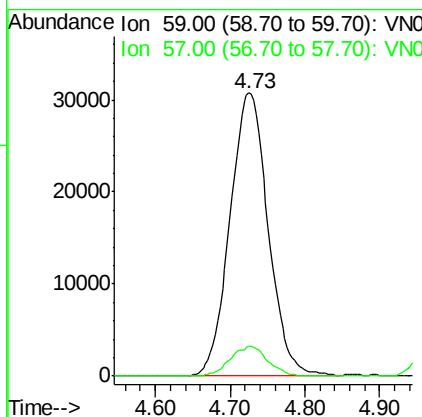
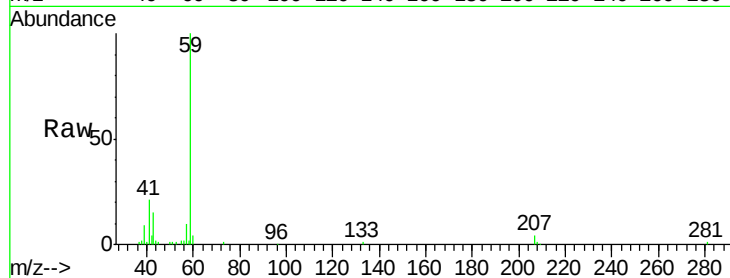
#11
Tert butyl alcohol
Concen: 255.078 ug/l
RT: 4.73 min Scan# 918
Delta R.T. -0.00 min
Lab File: VN060269.D
Acq: 27 Feb 2020 14:12

Instrument :
MSVOA_N
ClientSampleId :
ICVVN022720

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.2	12.2

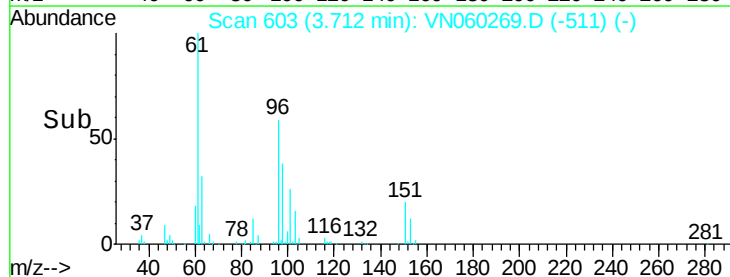
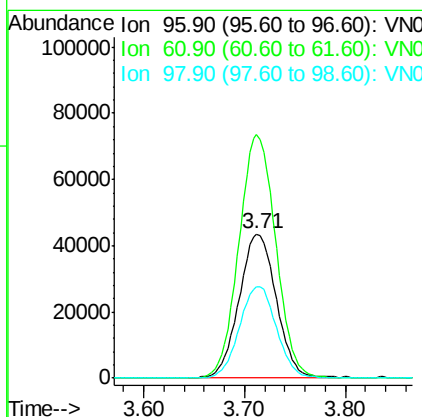
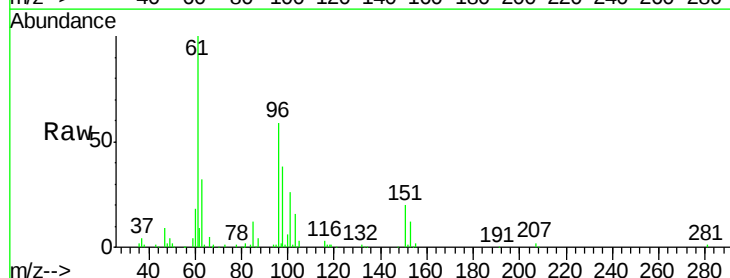
Manual Integrations
APPROVED

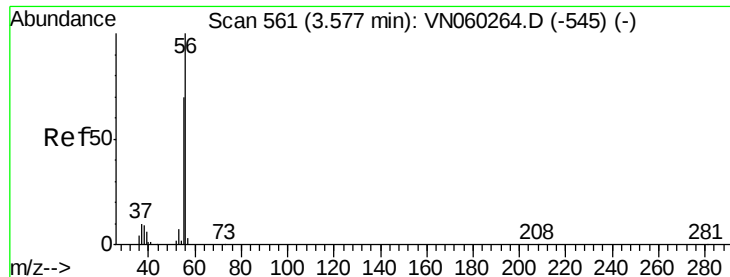
MMDadoda
2/28/2020 12:31:20 PM



#12
1,1-Dichloroethene
Concen: 51.778 ug/l
RT: 3.71 min Scan# 603
Delta R.T. -0.00 min
Lab File: VN060269.D
Acq: 27 Feb 2020 14:12

Tgt Ion	Ratio	Lower	Upper
96	100		
61	168.6	135.4	203.0
98	63.3	51.6	77.4





#13

Acrolein

Concen: 255.891 ug/l

RT: 3.57 min Scan# 560

Delta R.T. -0.00 min

Lab File: VN060269.D

Acq: 27 Feb 2020 14:12

Instrument :

MSVOA_N

ClientSampleId :

ICVVN022720

Tot Ion: 56 Resp: 102128

Ion Ratio Lower Upper

56 100

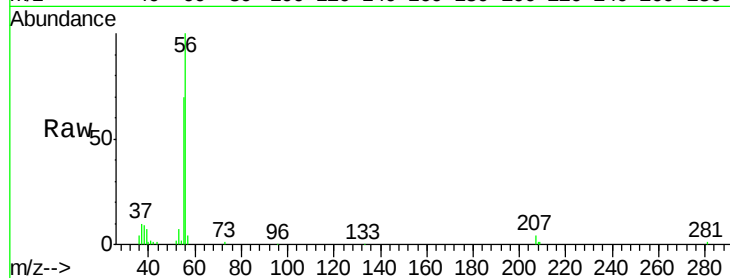
55 70.0 57.4 86.0

Manual Integrations

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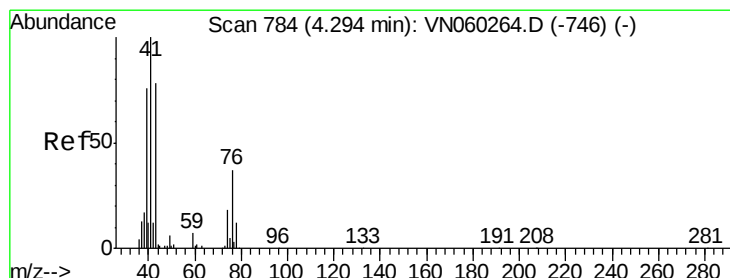
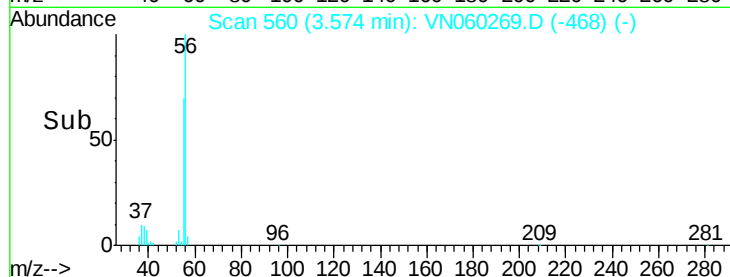
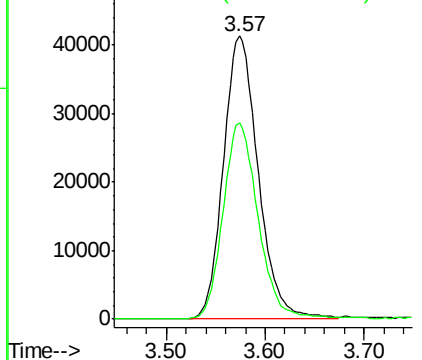
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 46.664 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.00 min

Lab File: VN060269.D

Acq: 27 Feb 2020 14:12

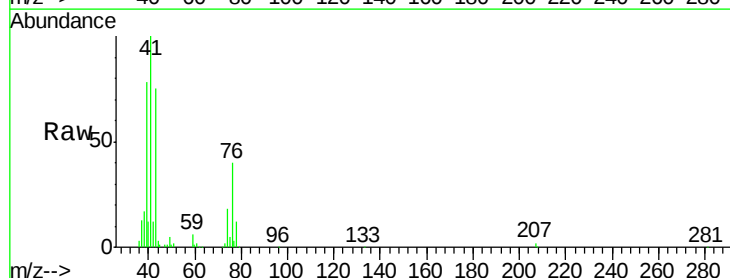
Tgt Ion: 41 Resp: 185618

Ion Ratio Lower Upper

41 100

39 78.9 55.4 83.2

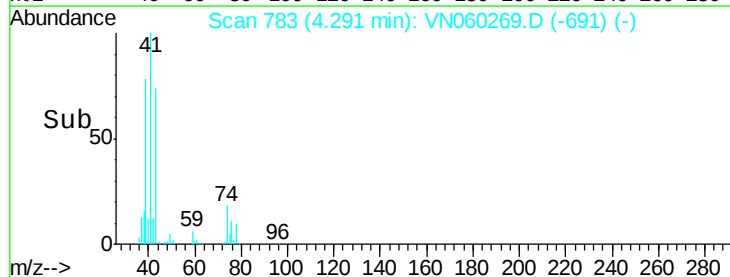
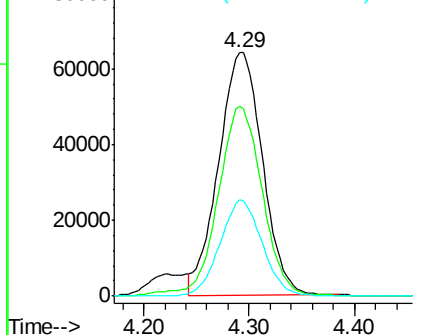
76 38.1 27.0 40.6

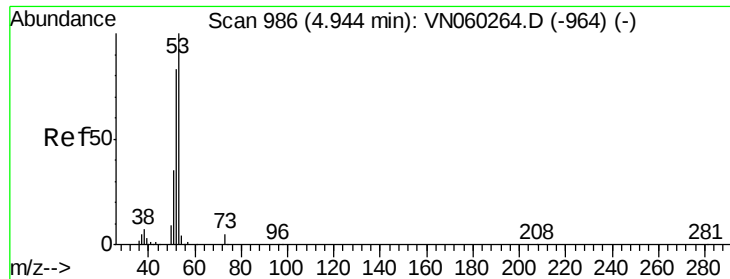


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 261.117 ug/l

RT: 4.94 min Scan# 985

Delta R.T. -0.00 min

Lab File: VN060269.D

Acq: 27 Feb 2020 14:12

Instrument :

MSVOA_N

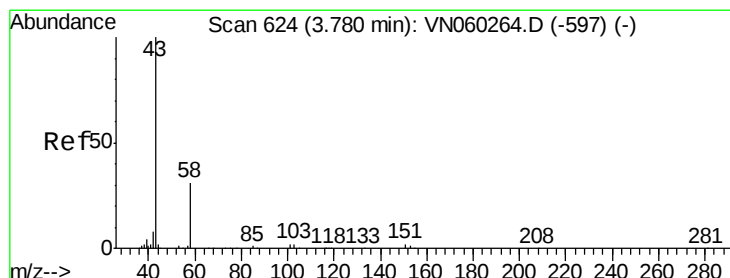
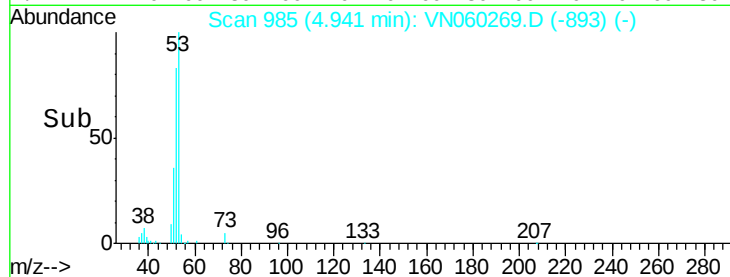
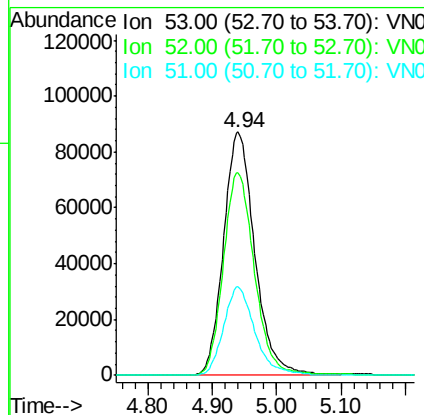
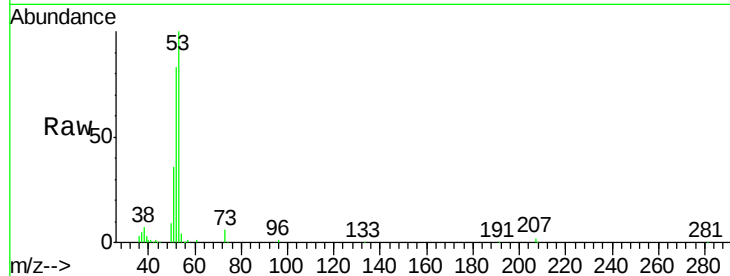
ClientSampleId :

ICVVN022720

Tot Ion:	53	Resp:	294442
Ion	Ratio	Lower	Upper
53	100		
52	82.6	66.8	100.2
51	36.6	29.0	43.6

Manual Integrations
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#16

Acetone

Concen: 225.682 ug/l

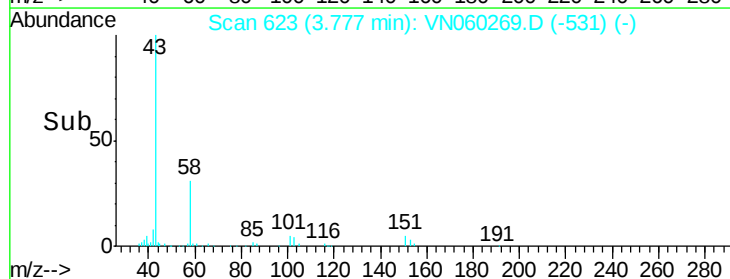
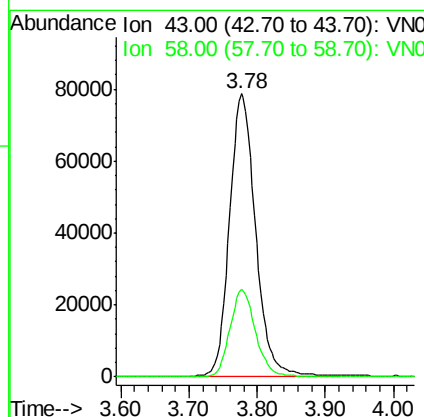
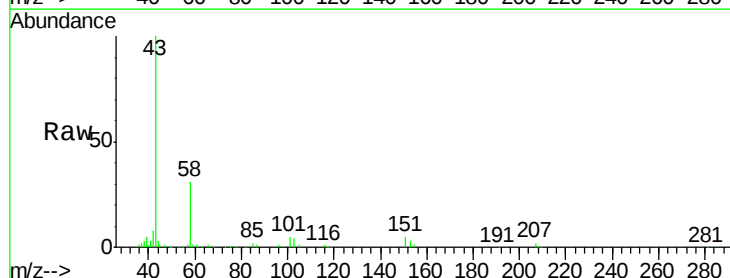
RT: 3.78 min Scan# 623

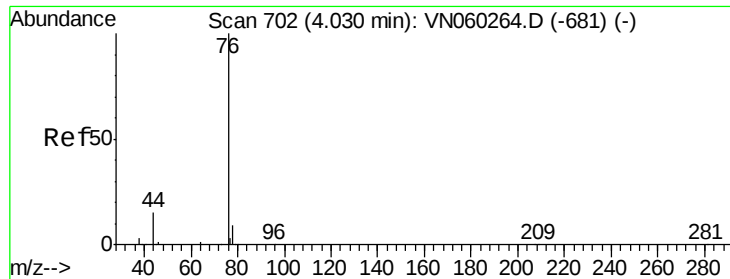
Delta R.T. -0.00 min

Lab File: VN060269.D

Acq: 27 Feb 2020 14:12

Tgt Ion:	43	Resp:	209975
Ion	Ratio	Lower	Upper
43	100		
58	30.9	24.6	36.8





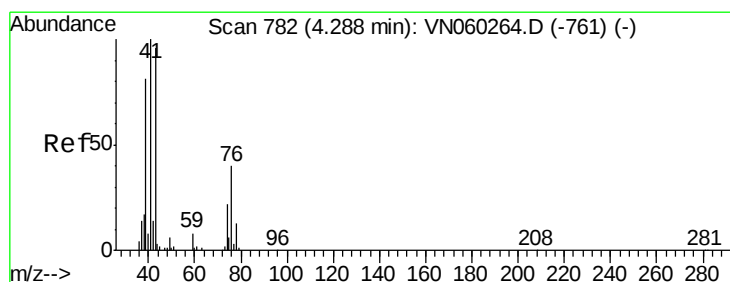
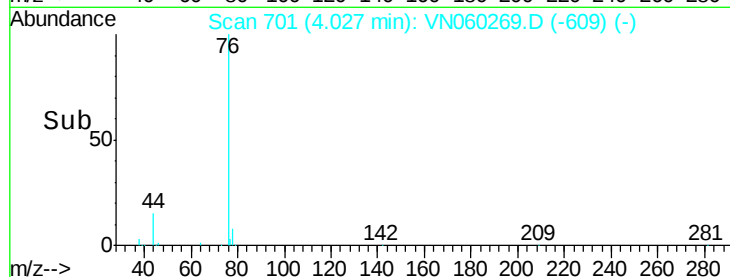
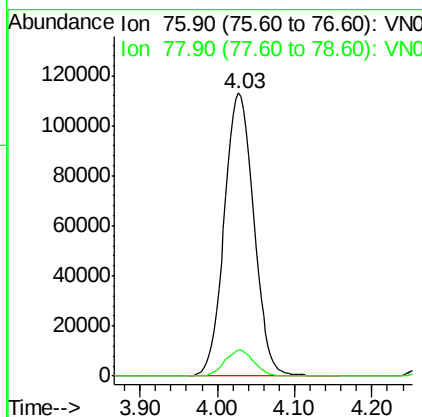
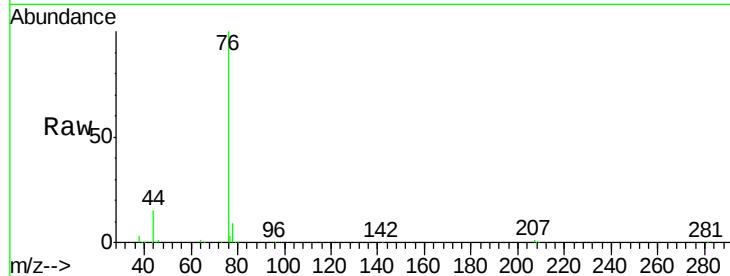
#17
Carbon Disulfide
Concen: 52.301 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN060269.D
Acq: 27 Feb 2020 14:12

Instrument :
MSVOA_N
ClientSampleId :
ICVVN022720

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.4	11.0

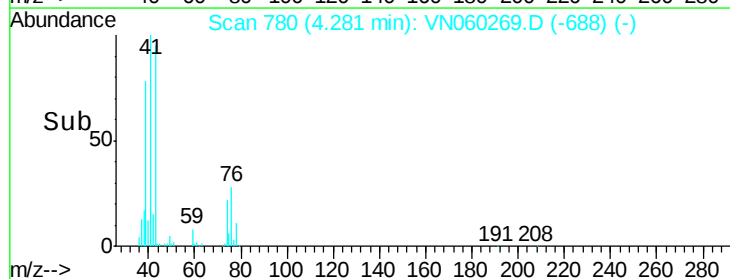
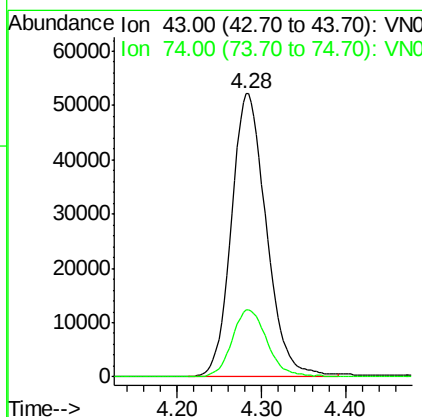
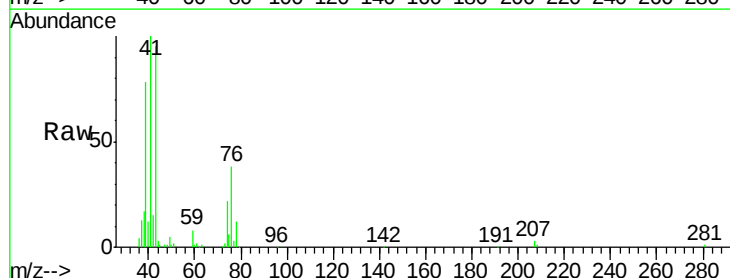
Manual Integrations
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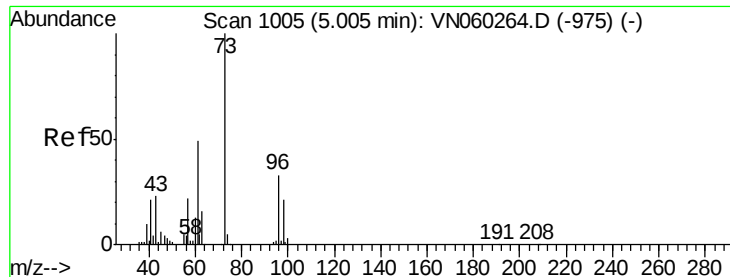
MMDadoda
2/28/2020 12:31:20 PM



#18
Methyl Acetate
Concen: 48.009 ug/l
RT: 4.28 min Scan# 780
Delta R.T. -0.01 min
Lab File: VN060269.D
Acq: 27 Feb 2020 14:12

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.0	18.8	28.2





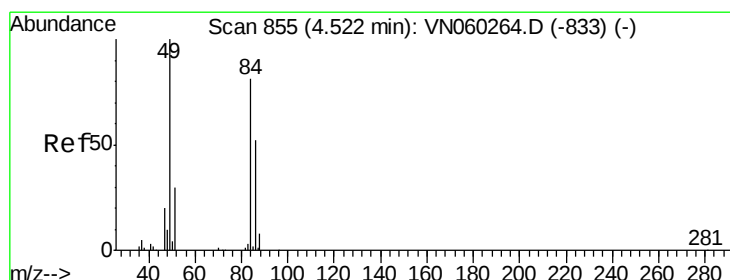
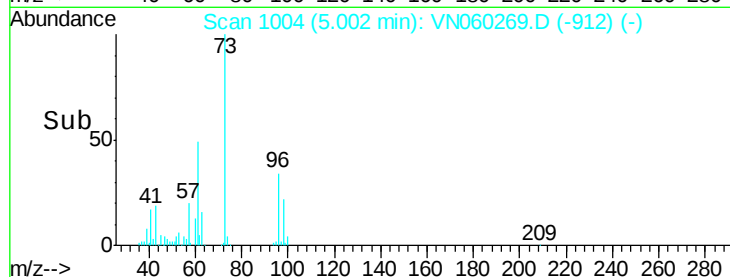
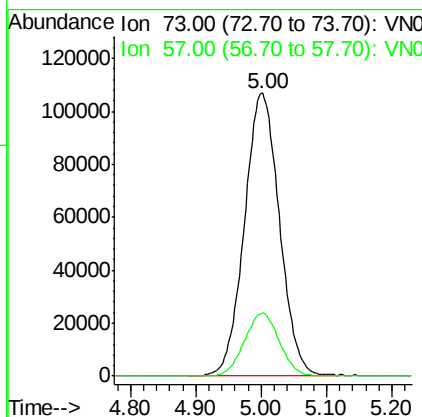
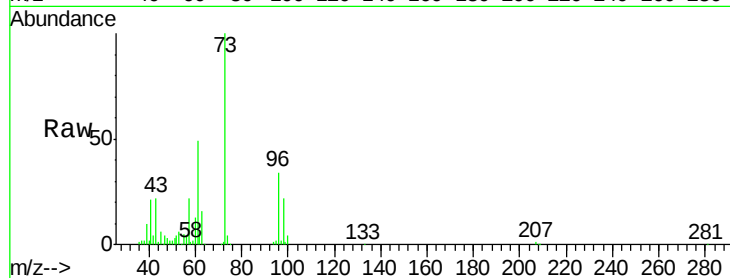
#19
Methvl tert-butvl Ether
Concen: 50.561 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN060269.D
Acq: 27 Feb 2020 14:12

Instrument :
MSVOA_N
ClientSampleId :
ICVVN022720

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.4	17.3	25.9

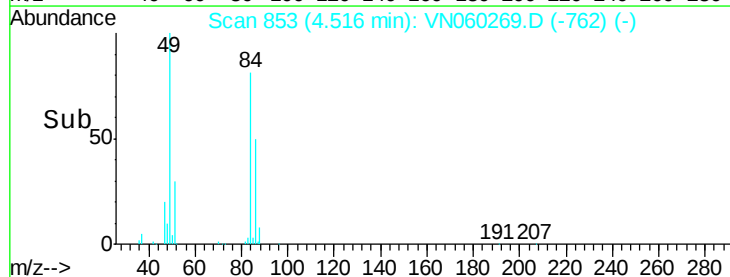
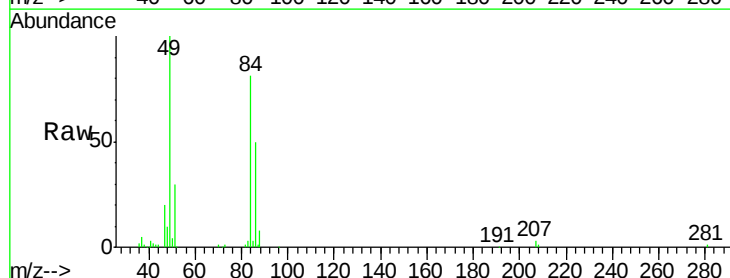
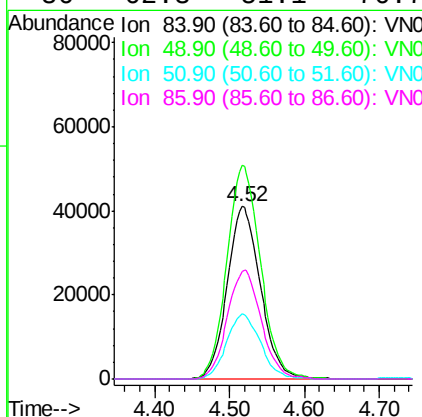
Manual Integrations
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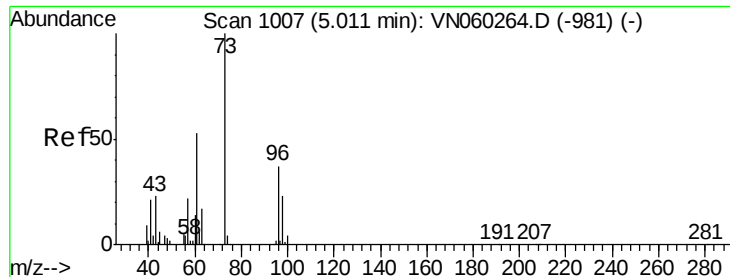
MMDadoda
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#20
Methylene Chloride
Concen: 49.596 ug/l
RT: 4.52 min Scan# 853
Delta R.T. -0.01 min
Lab File: VN060269.D
Acq: 27 Feb 2020 14:12

Tgt Ion	Ratio	Lower	Upper
84	100		
49	123.8	99.3	148.9
51	37.5	30.1	45.1
86	62.3	51.1	76.7





#21

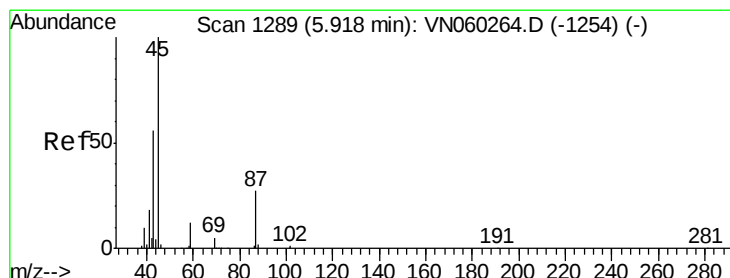
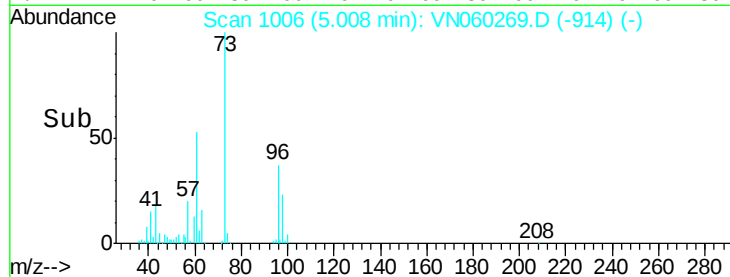
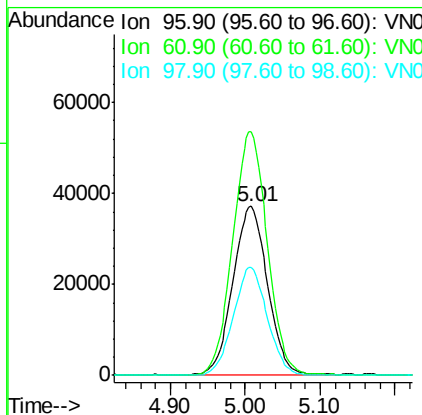
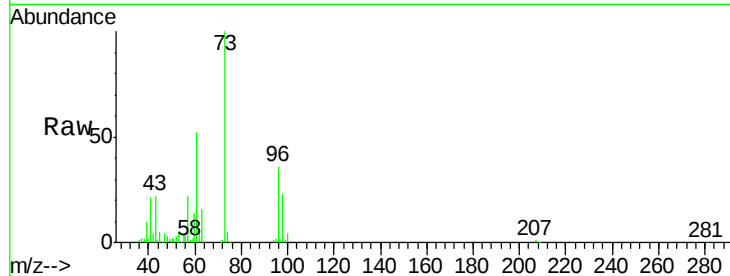
trans-1,2-Dichloroethene
Concen: 51.095 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN060269.D
Acq: 27 Feb 2020 14:12

Instrument :
MSVOA_N
ClientSampleId :
ICVVN022720

Tot Ion	Ratio	Lower	Upper
96	100		
61	144.5	113.8	170.8
98	64.2	48.8	73.2

Manual Integrations
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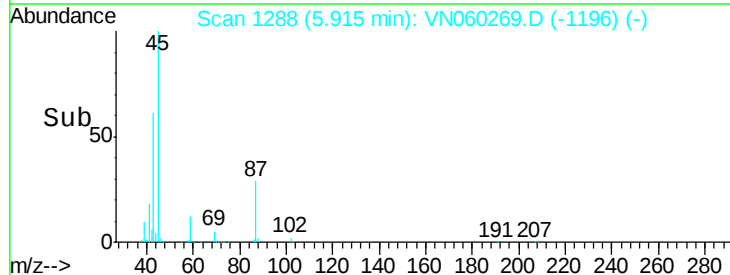
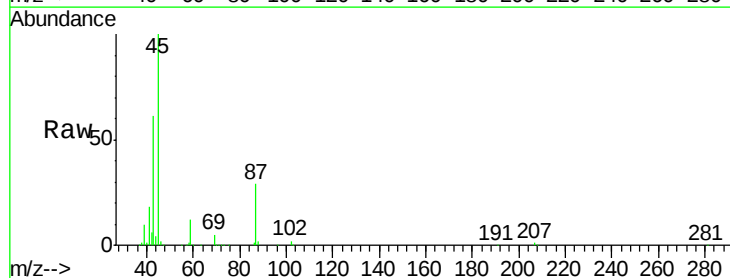
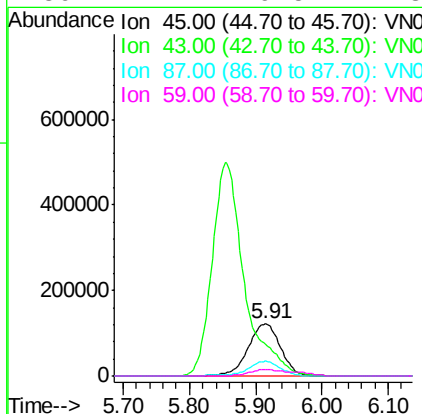
MMDadoda
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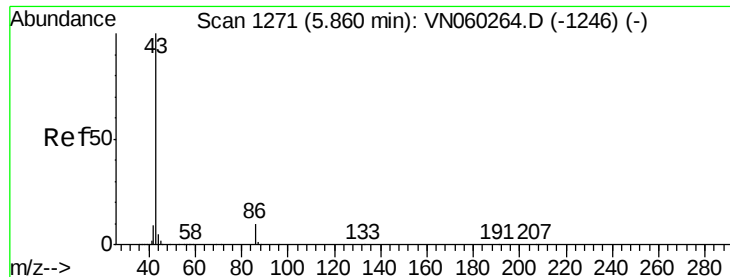


#22

Diisopropyl ether
Concen: 51.539 ug/l
RT: 5.91 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VN060269.D
Acq: 27 Feb 2020 14:12

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.7	48.6	72.8
87	28.5	22.2	33.2
59	11.4	9.5	14.3





#23

Vinyl Acetate

Concen: 262.973 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VN060269.D

Acq: 27 Feb 2020 14:12

Instrument :

MSVOA_N

ClientSampleId :

ICVVN022720

Tot Ion: 43 Resp: 1683716

Ion Ratio Lower Upper

43 100

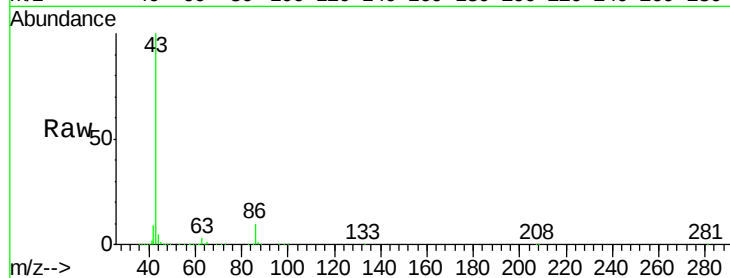
86 9.9 8.0 12.0

Manual Integrations

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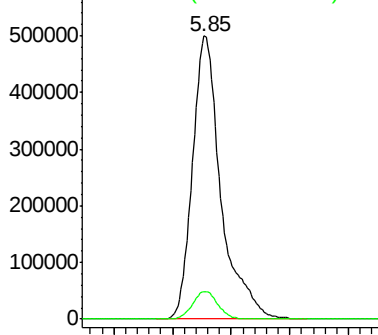
MMDadoda

2/28/2020 12:31:20 PM

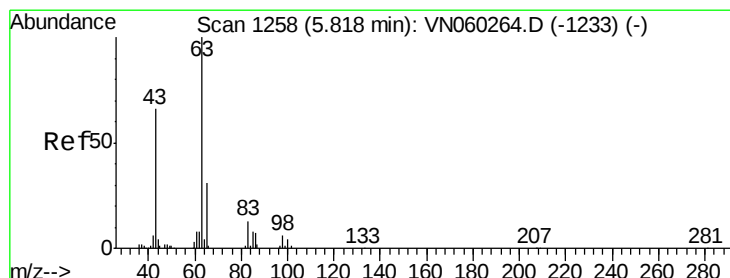
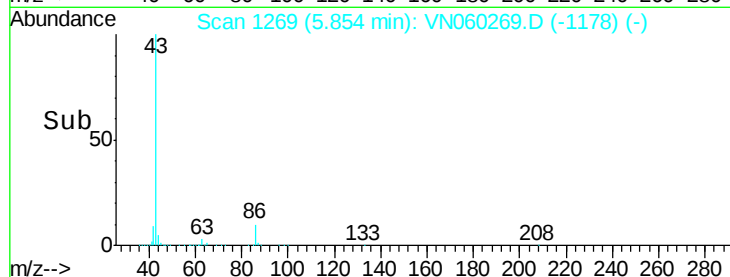


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



Time-->



#24

1,1-Dichloroethane

Concen: 51.067 ug/l

RT: 5.82 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN060269.D

Acq: 27 Feb 2020 14:12

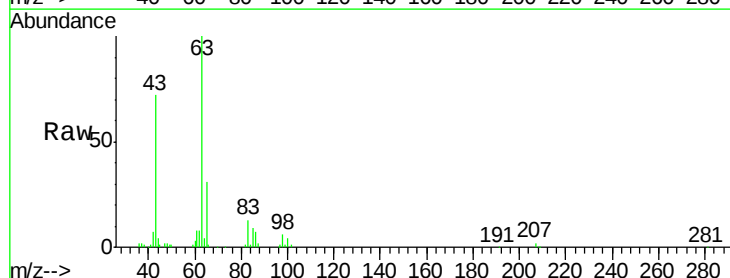
Tgt Ion: 63 Resp: 232915

Ion Ratio Lower Upper

63 100

98 6.5 3.0 9.0

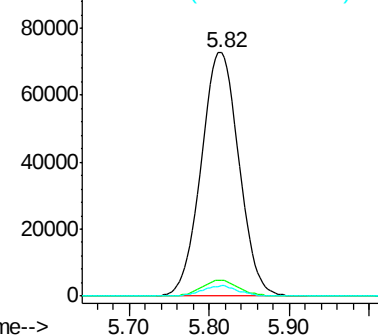
100 4.2 2.0 6.0



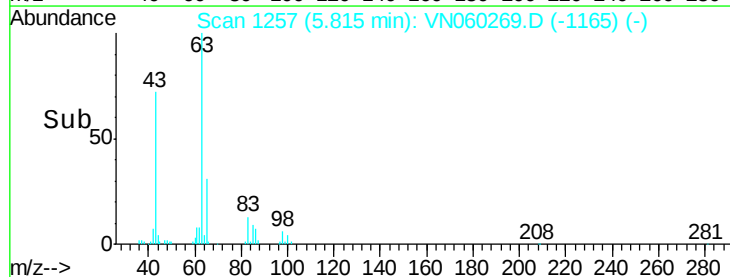
Abundance Ion 62.90 (62.60 to 63.60): VN0

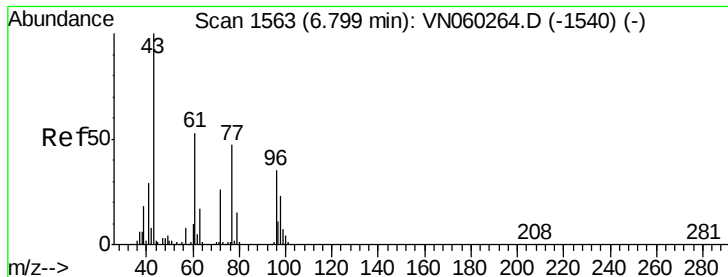
Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0



Time-->





#25

2-Butanone

Concen: 251.239 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060269.D

Acq: 27 Feb 2020 14:12

Instrument :

MSVOA_N

ClientSampleId :

ICVVN022720

Tot Ion: 43 Resp: 377567

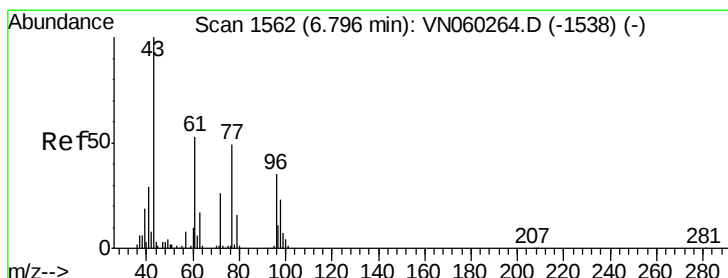
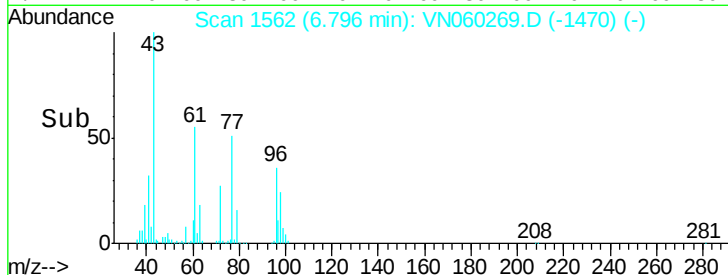
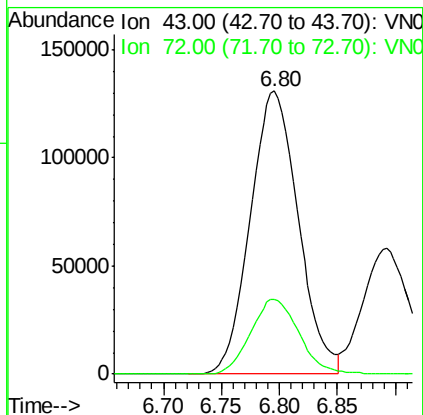
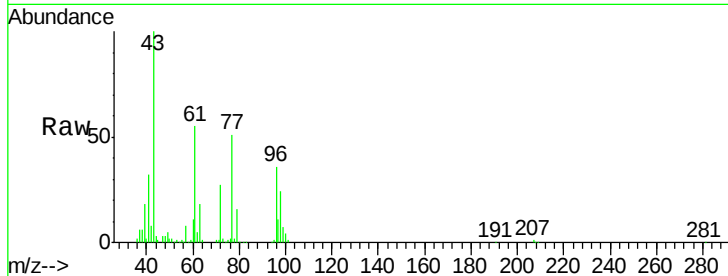
Ion Ratio Lower Upper

43 100

72 26.6 20.9 31.3

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#26

2,2-Dichloropropane

Concen: 51.610 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN060269.D

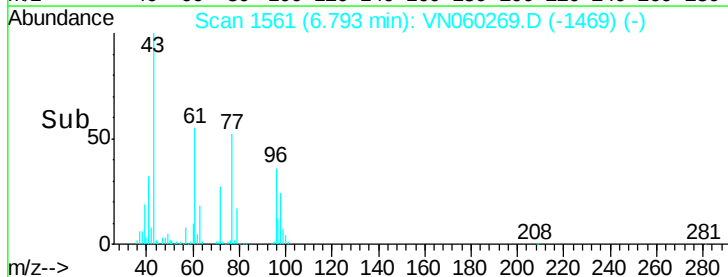
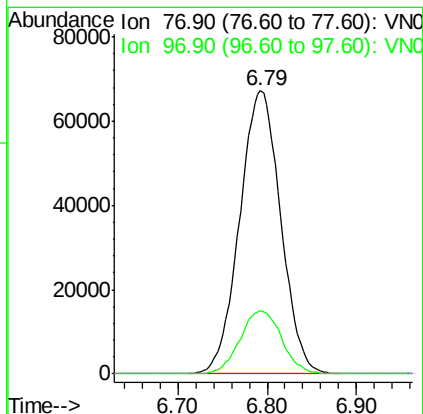
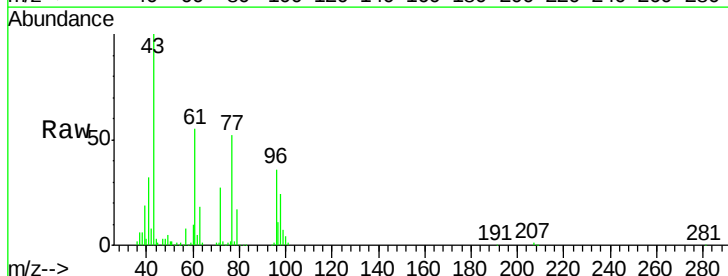
Acq: 27 Feb 2020 14:12

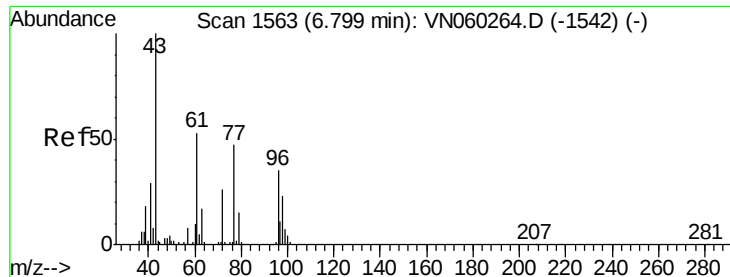
Tgt Ion: 77 Resp: 214297

Ion Ratio Lower Upper

77 100

97 22.7 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 46.980 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060269.D

Acq: 27 Feb 2020 14:12

Instrument :

MSVOA_N

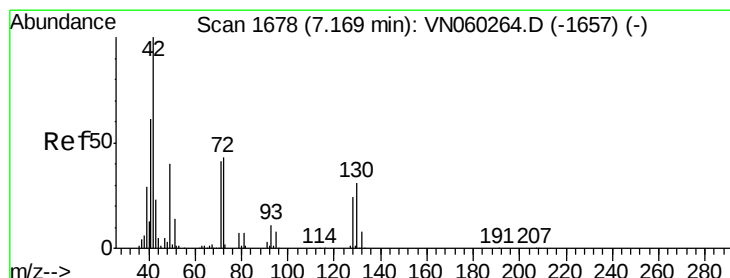
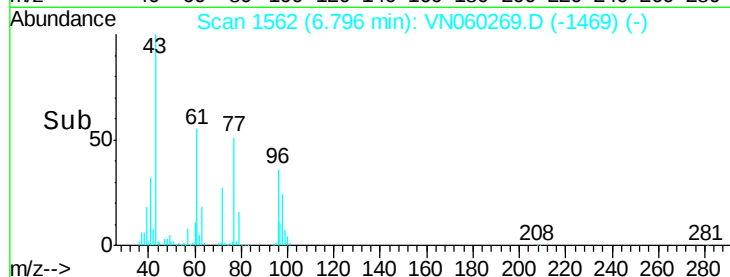
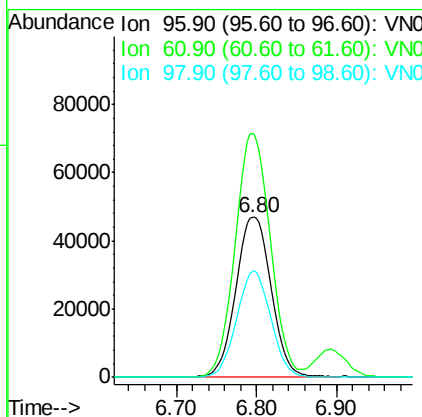
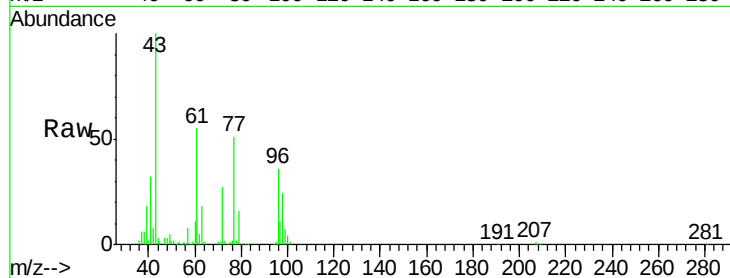
ClientSampleId :

ICVVN022720

Tot Ion:	96	Resp:	139197
Ion	Ratio	Lower	Upper
96	100		
61	152.9	0.0	300.8
98	64.6	0.0	128.2

Manual Integrations
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#28

Bromochloromethane

Concen: 42.497 ug/l

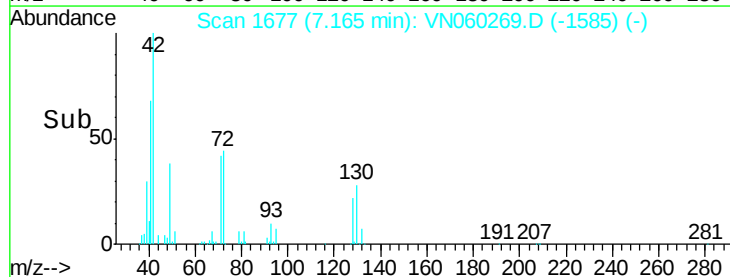
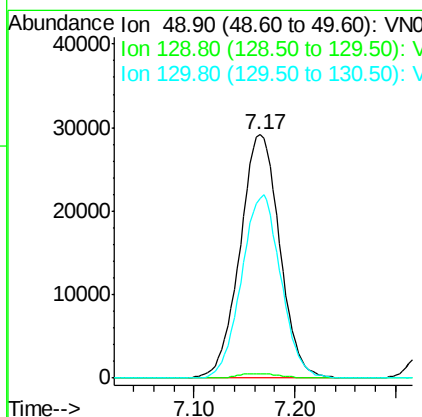
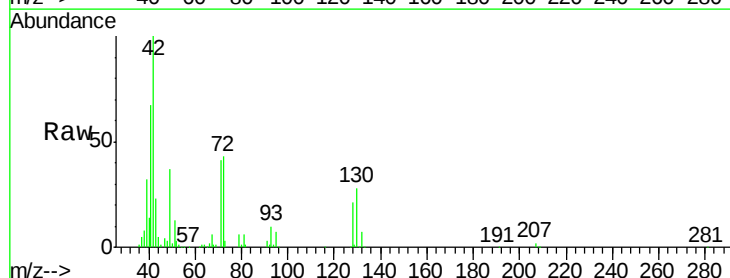
RT: 7.17 min Scan# 1677

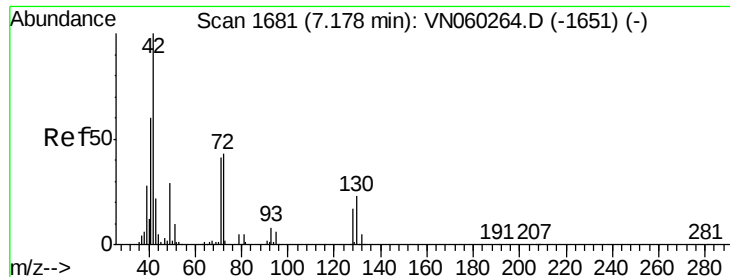
Delta R.T. -0.00 min

Lab File: VN060269.D

Acq: 27 Feb 2020 14:12

Tgt Ion:	49	Resp:	79581
Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.8
130	74.4	59.8	89.8





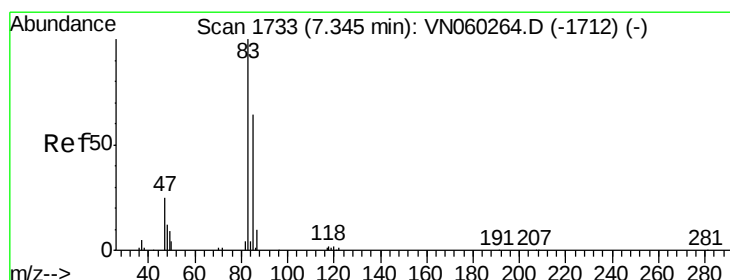
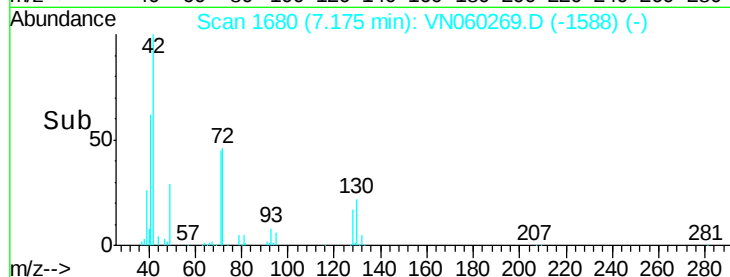
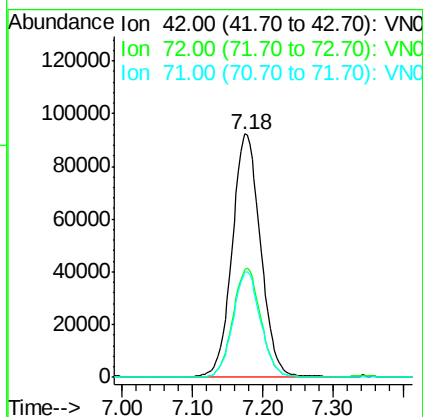
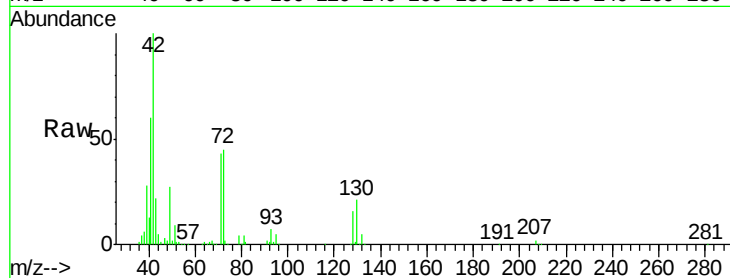
#29
Tetrahydrofuran
Concen: 247.408 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN060269.D
Acq: 27 Feb 2020 14:12

Instrument :
MSVOA_N
ClientSampleId :
ICVVN022720

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.4	34.6	52.0
71	42.3	32.9	49.3

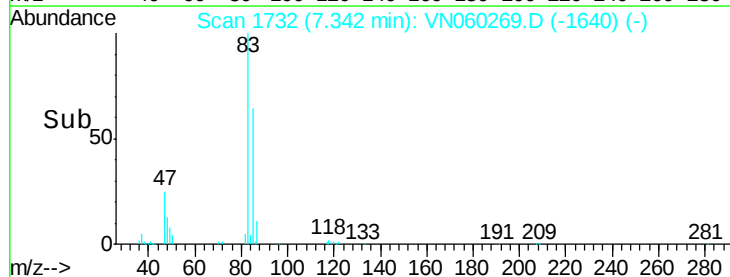
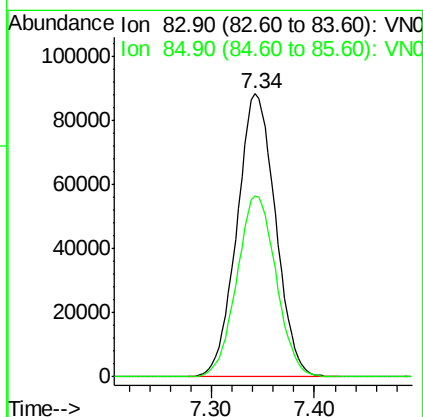
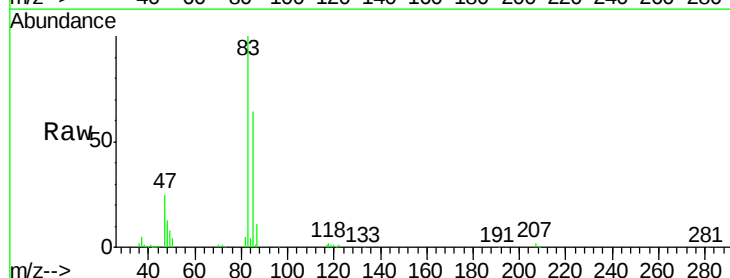
Manual Integrations
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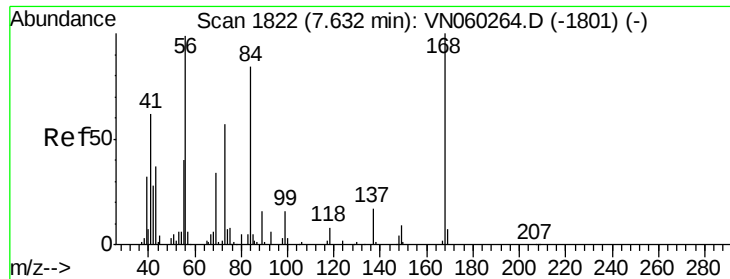
MMDadoda
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#30
Chloroform
Concen: 50.680 ug/l
RT: 7.34 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VN060269.D
Acq: 27 Feb 2020 14:12

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.4	77.2





#31

Cyclohexane

Concen: 52.512 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VN060269.D

Acq: 27 Feb 2020 14:12

Instrument :

MSVOA_N

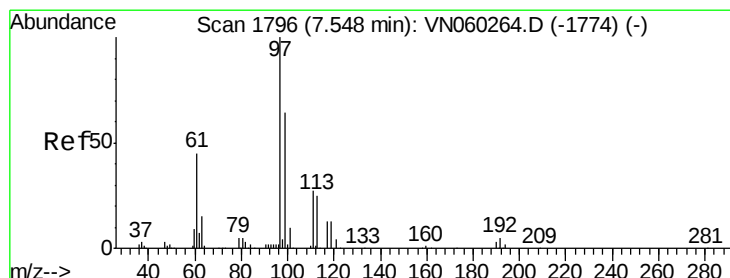
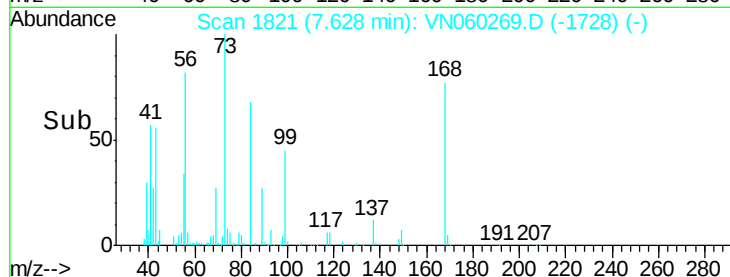
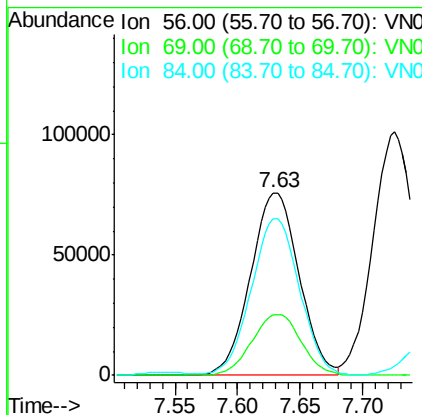
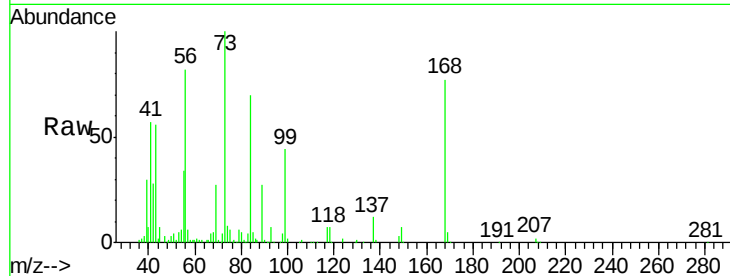
ClientSampleId :

ICVVN022720

Tot Ion:	56	Resp:	204123
Ion Ratio	Lower	Upper	
56	100		
69	32.9	27.2	40.8
84	84.4	66.7	100.1

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 51.362 ug/l

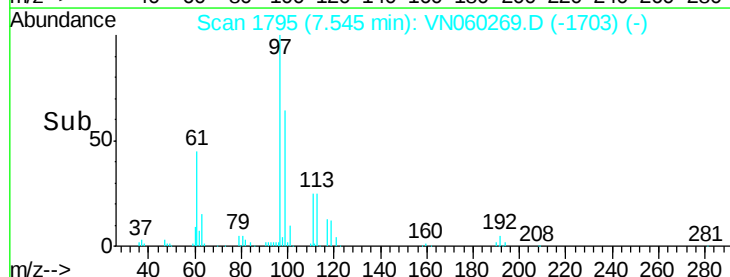
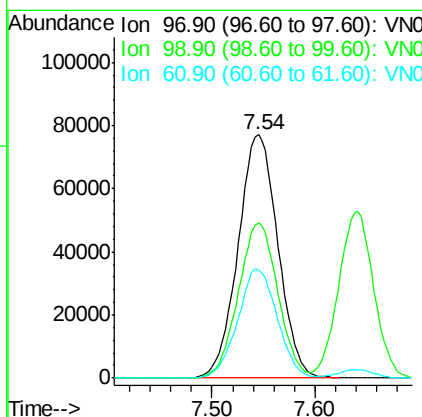
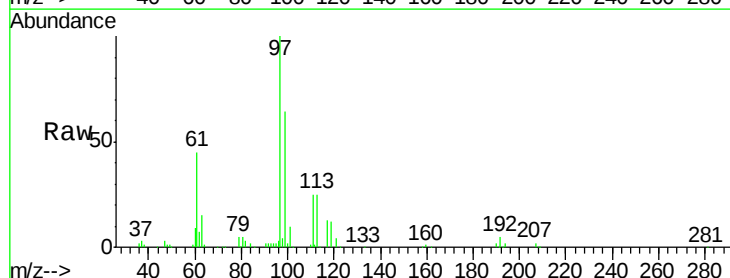
RT: 7.54 min Scan# 1795

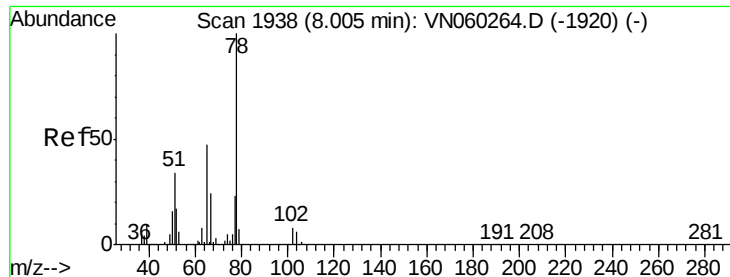
Delta R.T. -0.00 min

Lab File: VN060269.D

Acq: 27 Feb 2020 14:12

Tgt Ion:	97	Resp:	206618
Ion Ratio	Lower	Upper	
97	100		
99	63.3	51.4	77.0
61	44.5	36.6	55.0





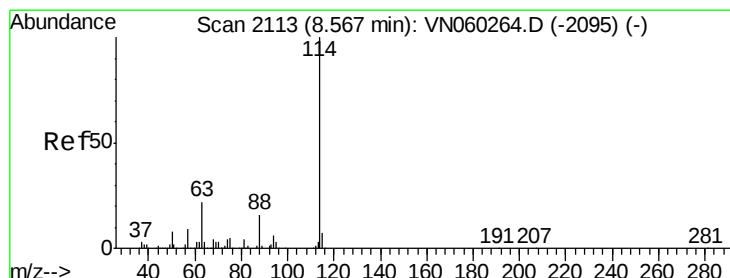
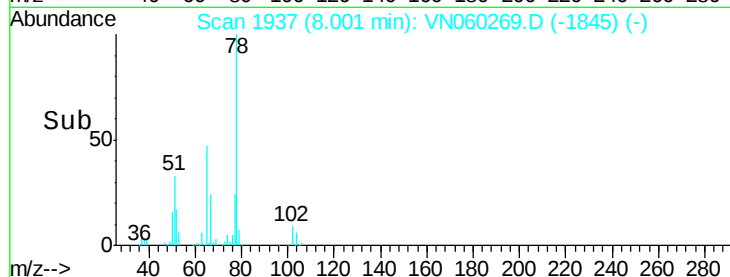
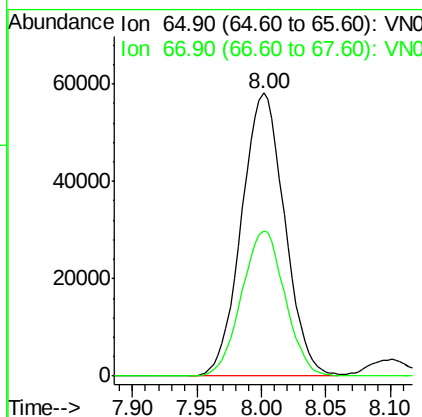
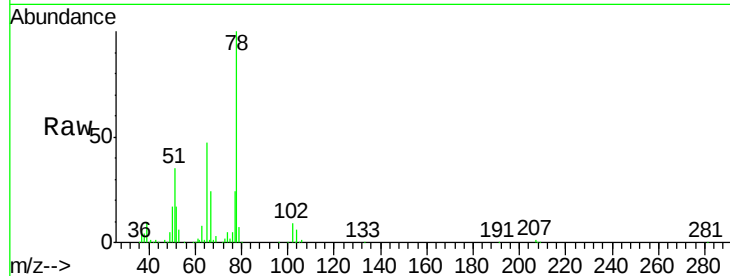
#33
 1,2-Dichloroethane-d4
 Concen: 47.088 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060269.D
 Acq: 27 Feb 2020 14:12

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN022720

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	103.8

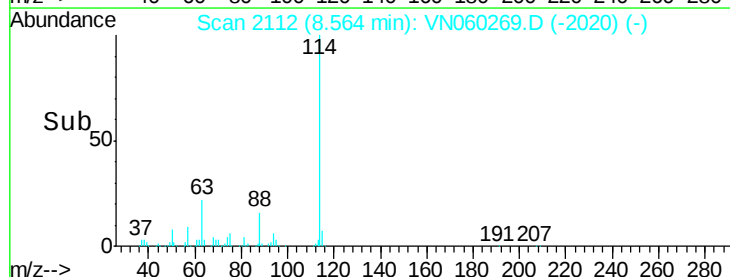
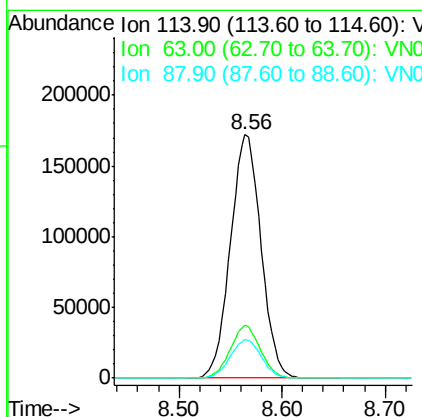
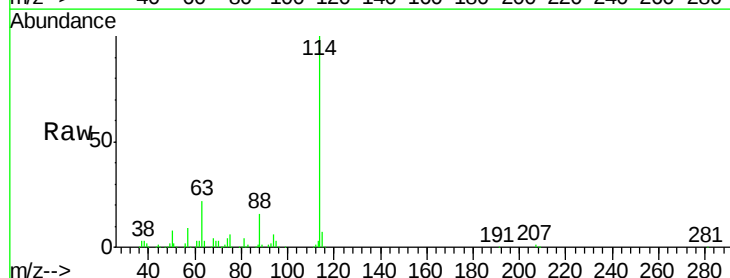
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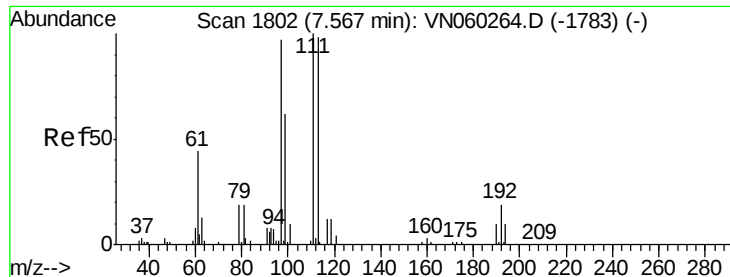
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060269.D
 Acq: 27 Feb 2020 14:12

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.6	0.0	43.2
88	15.7	0.0	31.6





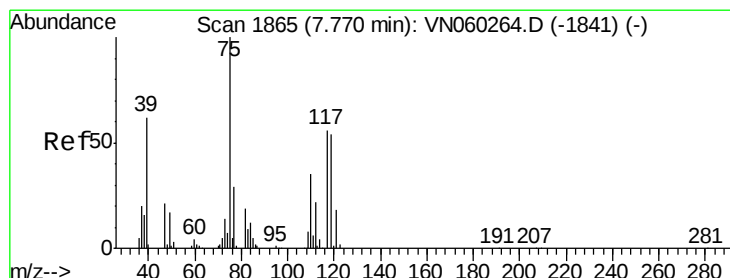
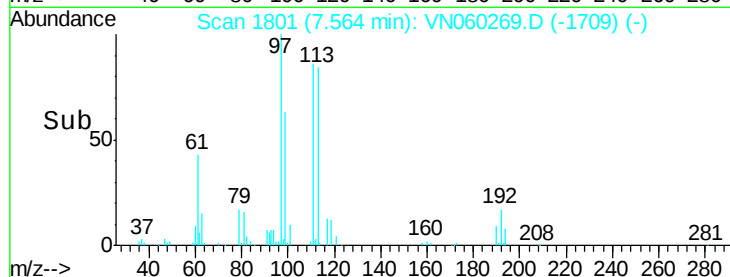
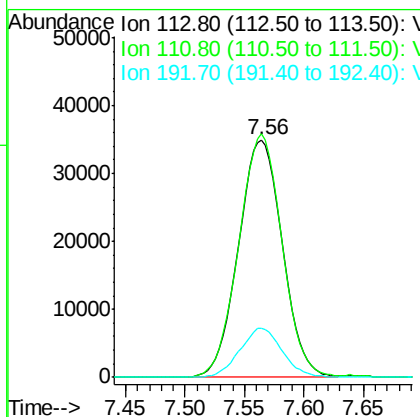
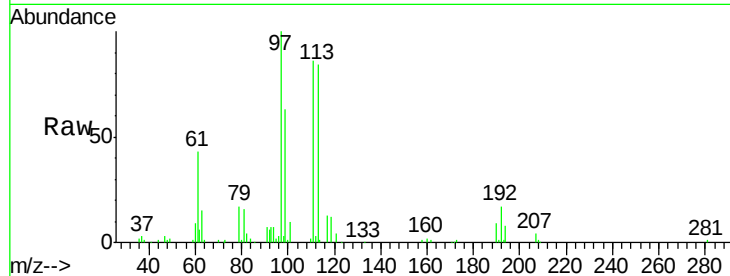
#35
 Dibromofluoromethane
 Concen: 54.156 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060269.D
 Acq: 27 Feb 2020 14:12

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN022720

Tot Ion	Ratio	Resp	Lower	Upper
113	100	89340		
111	101.0	82.4	123.6	
192	19.9	16.2	24.2	

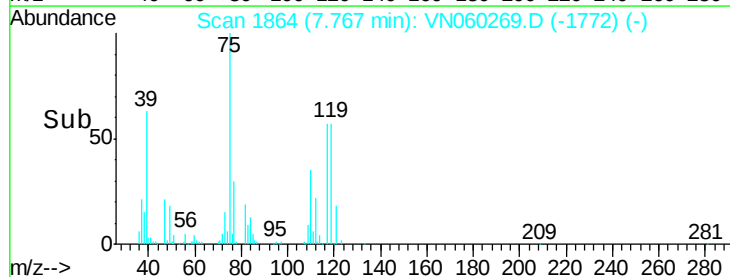
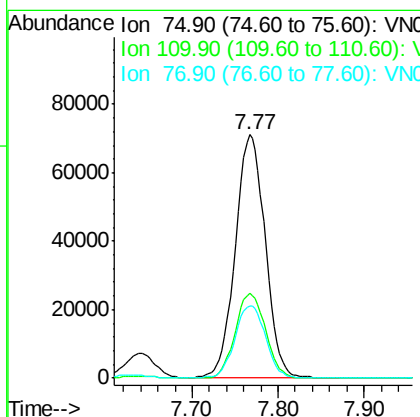
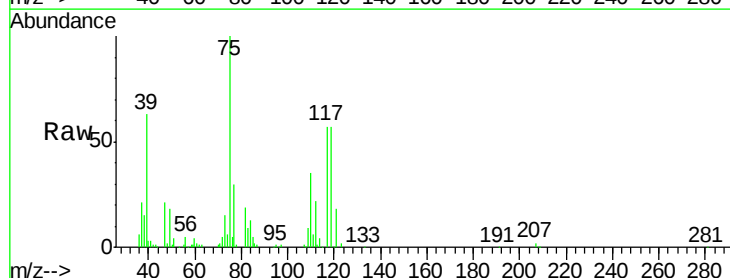
Manual Integrations
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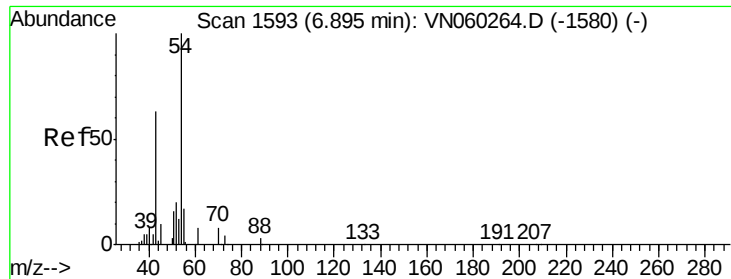
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#36
 1,1-Dichloropropene
 Concen: 50.868 ug/l
 RT: 7.77 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VN060269.D
 Acq: 27 Feb 2020 14:12

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	172301		
110	34.9	17.3	52.0	
77	30.6	24.2	36.2	





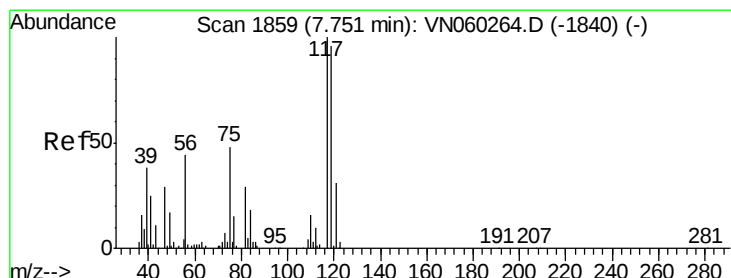
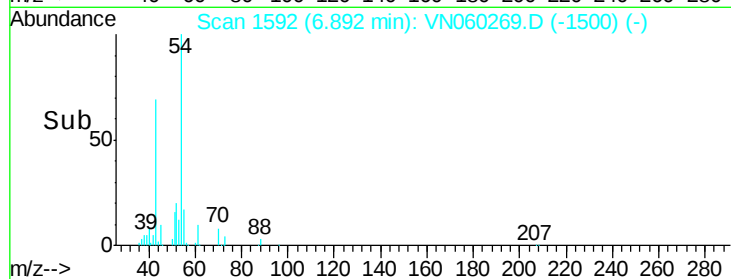
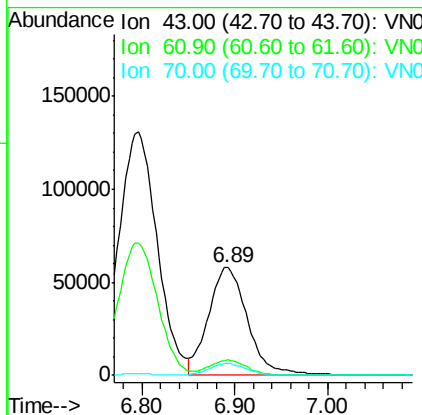
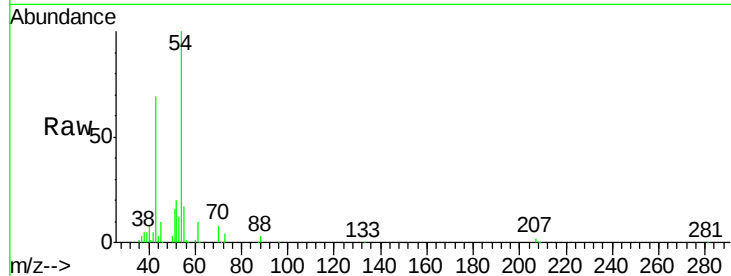
#37
Ethyl Acetate
Concen: 52.204 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VN060269.D
Acq: 27 Feb 2020 14:12

Instrument :
MSVOA_N
ClientSampleId :
ICVVN022720

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	11.1	16.7
70	10.4	8.4	12.6

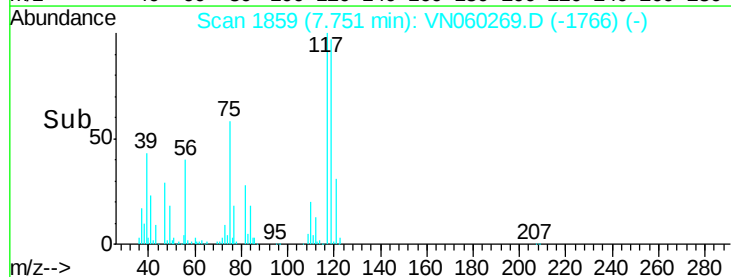
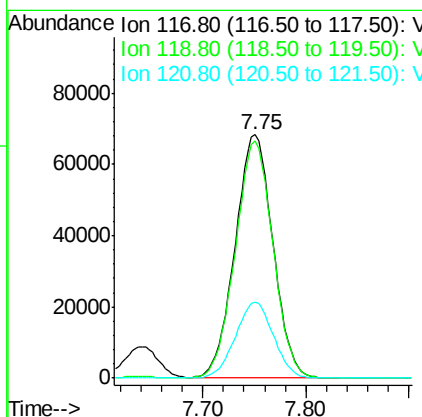
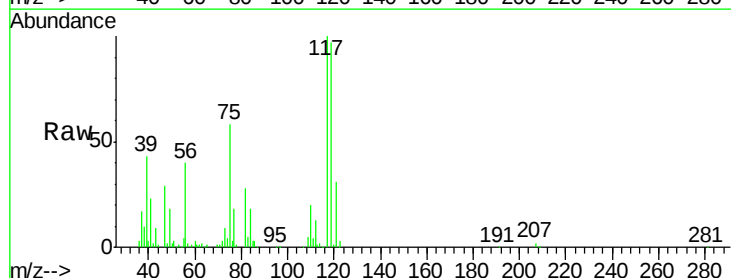
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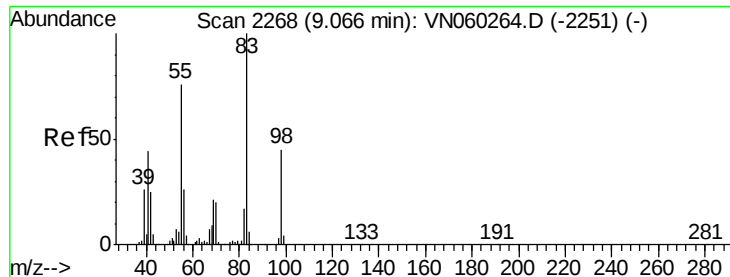
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#38
Carbon Tetrachloride
Concen: 52.965 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN060269.D
Acq: 27 Feb 2020 14:12

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.3	76.7	115.1
121	31.3	24.5	36.7





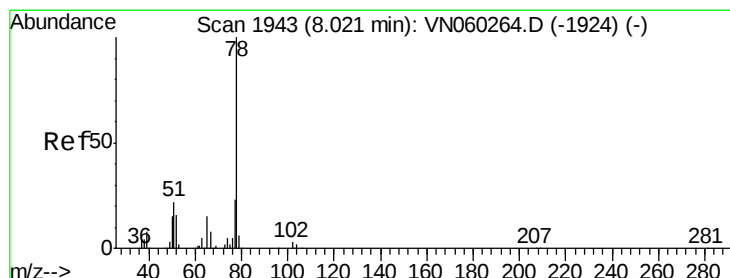
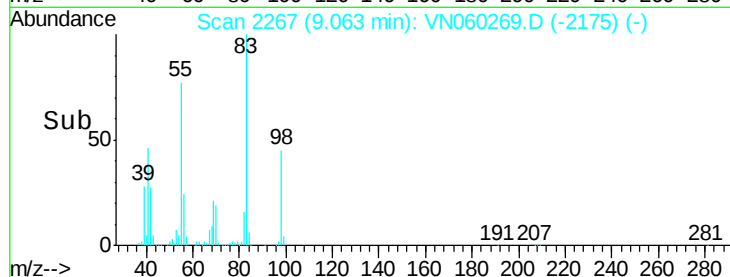
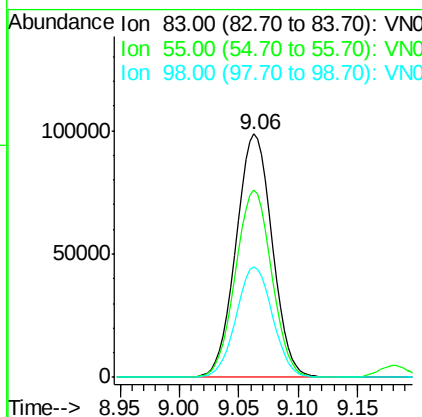
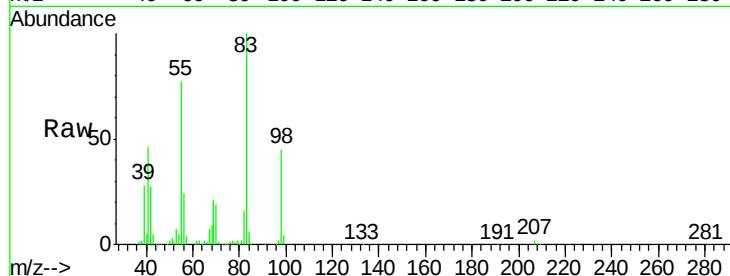
#39
Methvlcvclohexane
Concen: 52.147 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060269.D
Acq: 27 Feb 2020 14:12

Instrument :
MSVOA_N
ClientSampleId :
ICVVN022720

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	77.1	61.0	91.4	
98	45.5	36.1	54.1	

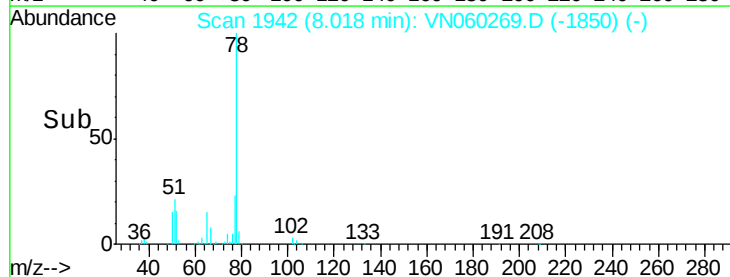
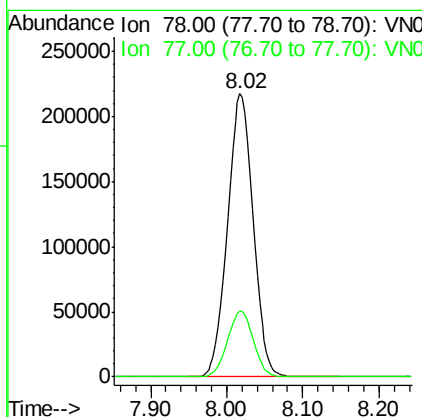
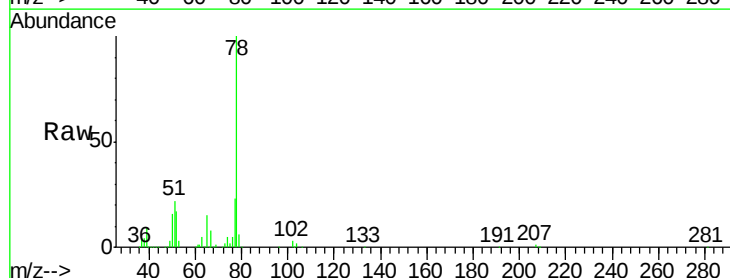
Manual Integrations
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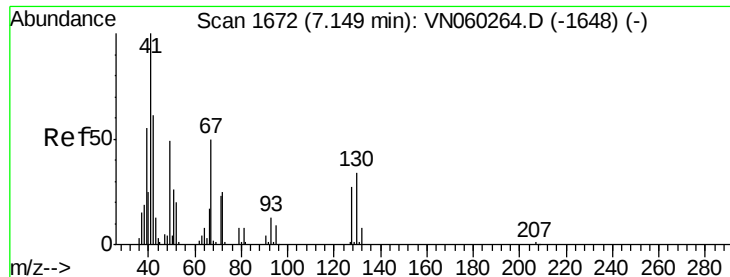
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#40
Benzene
Concen: 51.790 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060269.D
Acq: 27 Feb 2020 14:12

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.3	18.8	28.2	





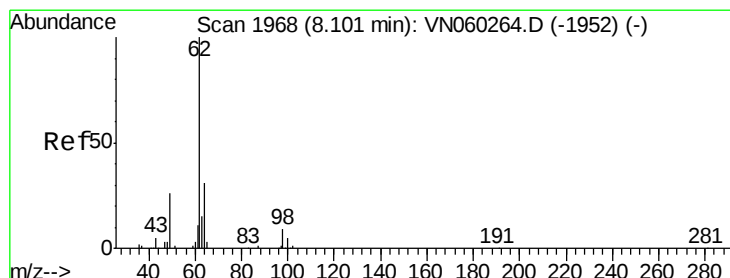
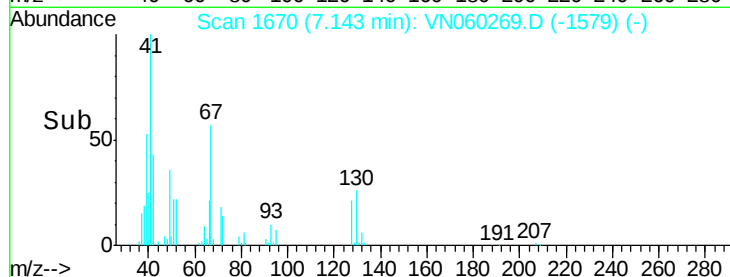
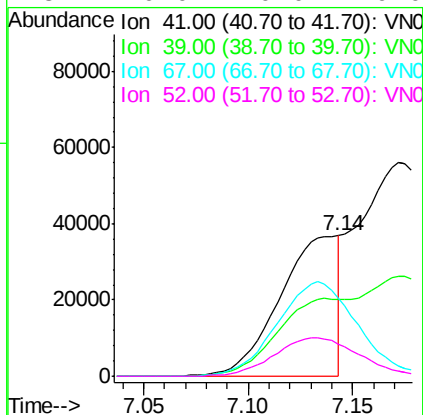
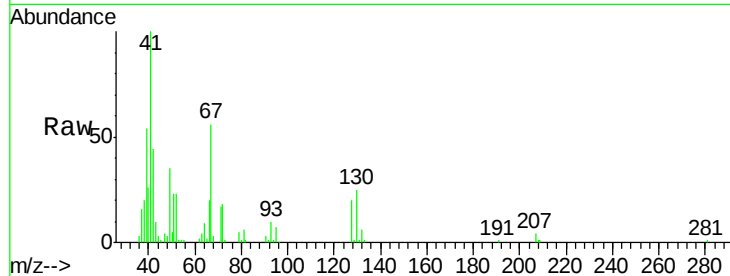
#41
Methacrylonitrile
Concen: 48.602 ug/l m
RT: 7.14 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VN060269.D
Acq: 27 Feb 2020 14:12

Instrument :
MSVOA_N
ClientSampleId :
ICVVN022720

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		71975		
39	0.0	0.0	0.0		
67	0.0	0.0	0.0		
52	0.0	0.0	0.0		

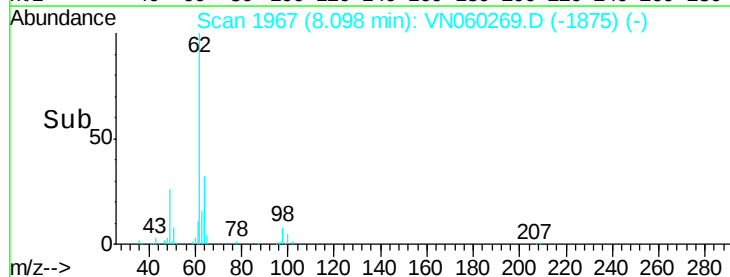
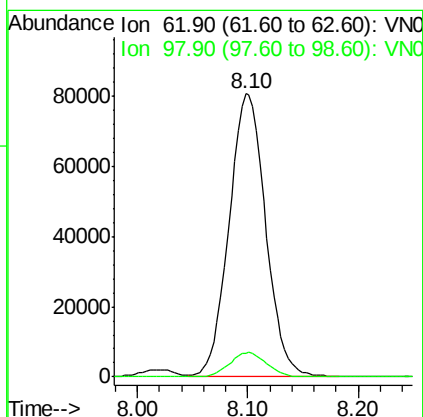
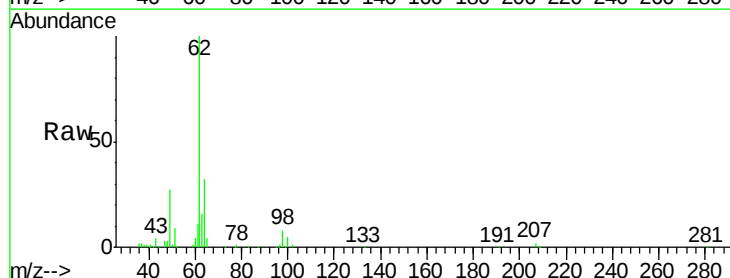
Manual Integrations
APPROVED

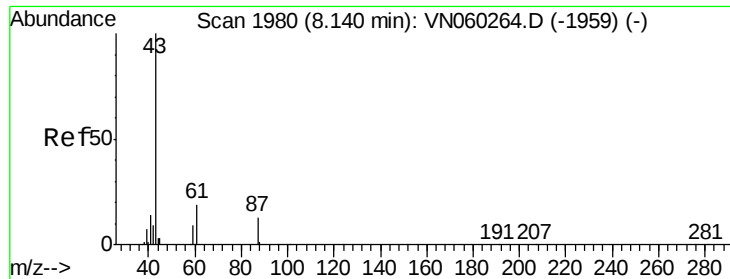
MMDadoda
2/28/2020 12:31:20 PM



#42
1,2-Dichloroethane
Concen: 52.045 ug/l
RT: 8.10 min Scan# 1967
Delta R.T. -0.00 min
Lab File: VN060269.D
Acq: 27 Feb 2020 14:12

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		185156		
98	8.6	0.0	17.0		





#43

Isopropyl Acetate

Concen: 52.757 ug/l

RT: 8.14 min Scan# 1979

Delta R.T. -0.00 min

Lab File: VN060269.D

Acq: 27 Feb 2020 14:12

Instrument :

MSVOA_N

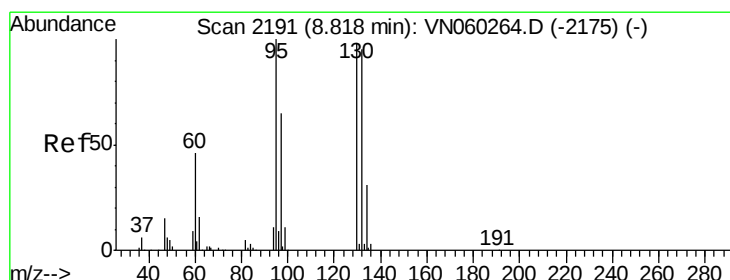
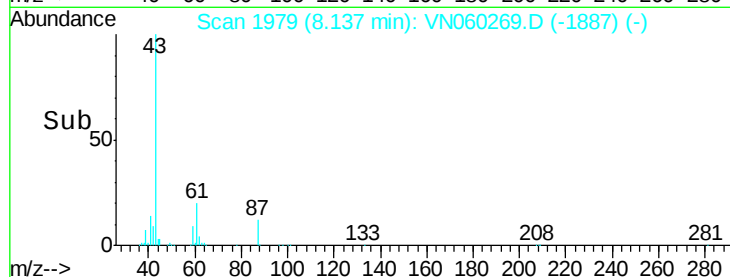
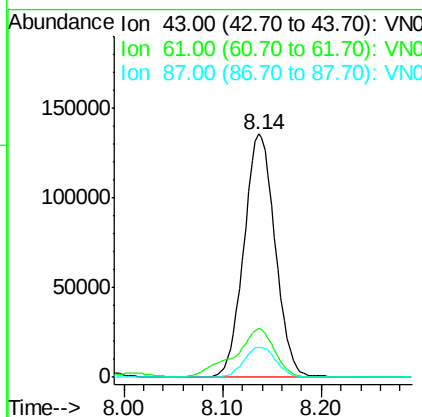
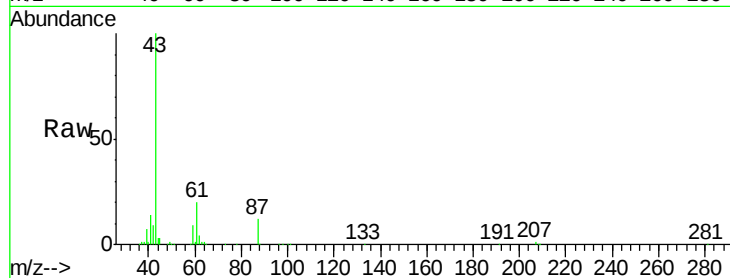
ClientSampleId :

ICVVN022720

Tot Ion	43	Resp	296224
Ion	Ratio	Lower	Upper
43	100		
61	26.0	20.9	31.3
87	12.7	10.6	16.0

Manual Integrations
APPROVED

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2/28/2020 12:31:20 PM



#44

Trichloroethene

Concen: 51.138 ug/l

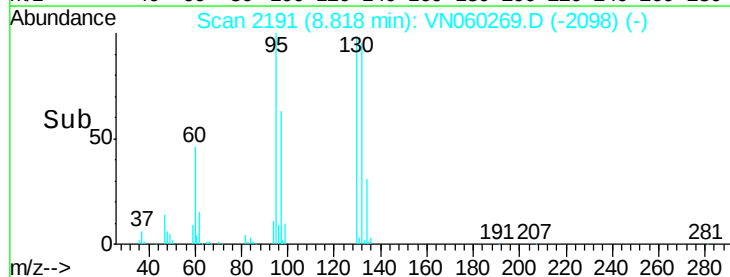
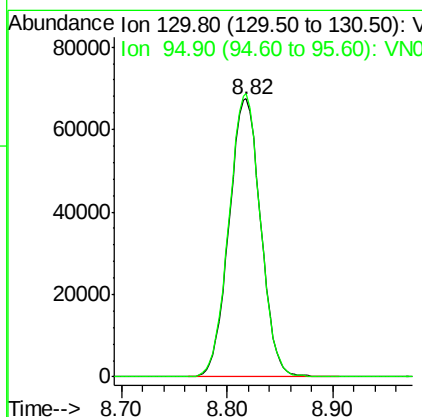
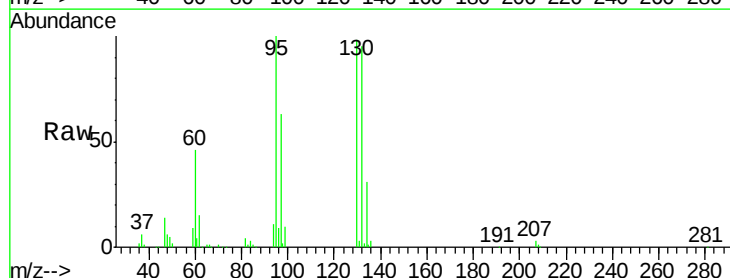
RT: 8.82 min Scan# 2191

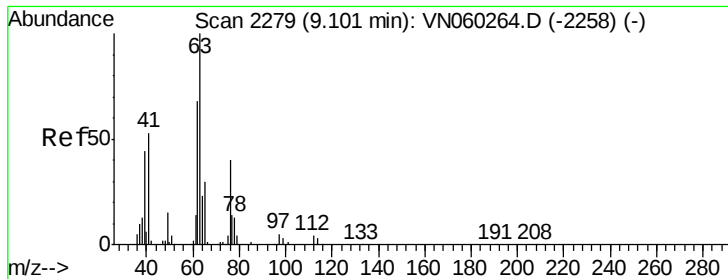
Delta R.T. 0.00 min

Lab File: VN060269.D

Acq: 27 Feb 2020 14:12

Tgt Ion	130	Resp	140411
Ion	Ratio	Lower	Upper
130	100		
95	101.9	0.0	203.4





#45

1,2-Dichloropropane

Concen: 53.127 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. 0.00 min

Lab File: VN060269.D

Acq: 27 Feb 2020 14:12

Instrument :

MSVOA_N

ClientSampleId :

ICVVN022720

Tot Ion: 63 Resp: 136938

Ion Ratio Lower Upper

63 100

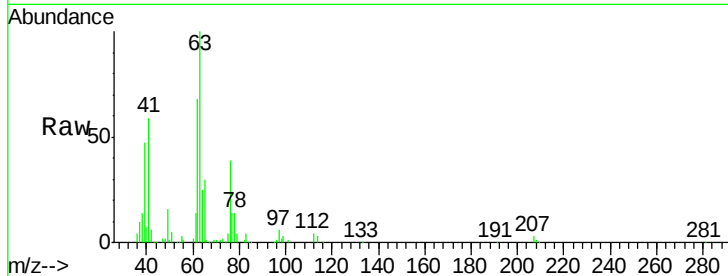
65 30.0 24.4 36.6

Manual Integrations

APPROVED

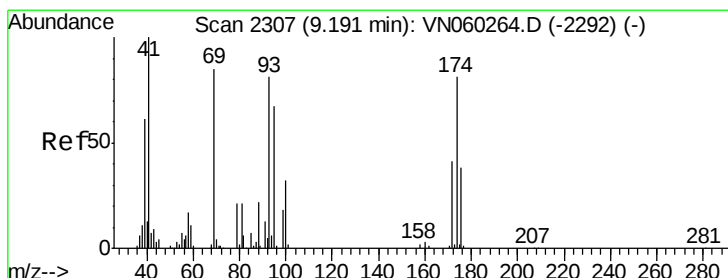
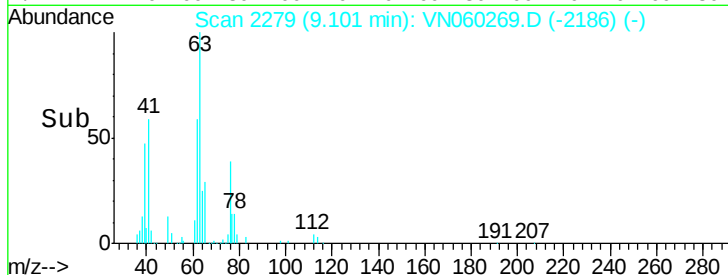
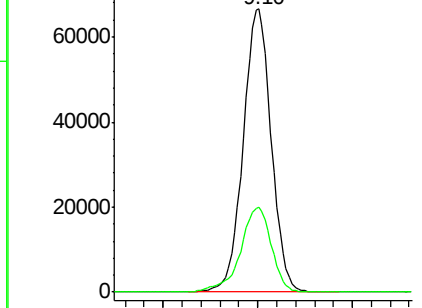
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Abundance Ion 62.90 (62.60 to 63.60): VN060269.D (-2186) (-)

Ion 64.90 (64.60 to 65.60): VN060269.D (-2186) (-)



#46

Dibromomethane

Concen: 52.372 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN060269.D

Acq: 27 Feb 2020 14:12

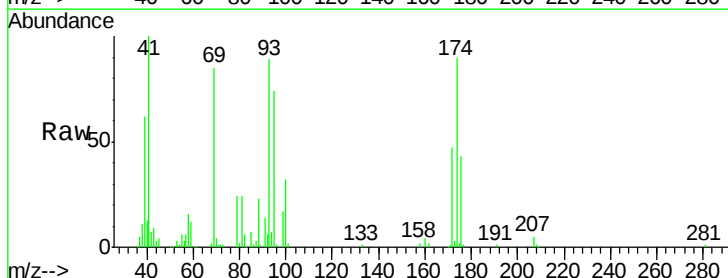
Tgt Ion: 93 Resp: 87593

Ion Ratio Lower Upper

93 100

95 82.3 65.9 98.9

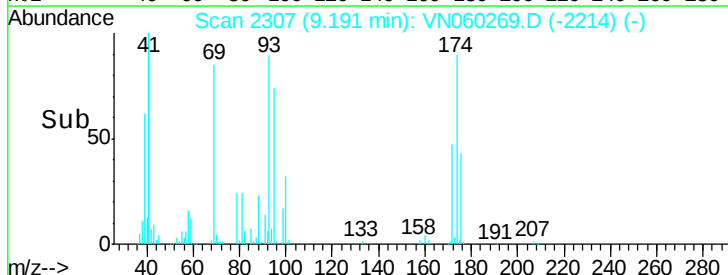
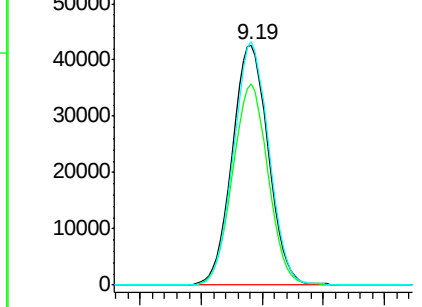
174 98.9 79.6 119.4

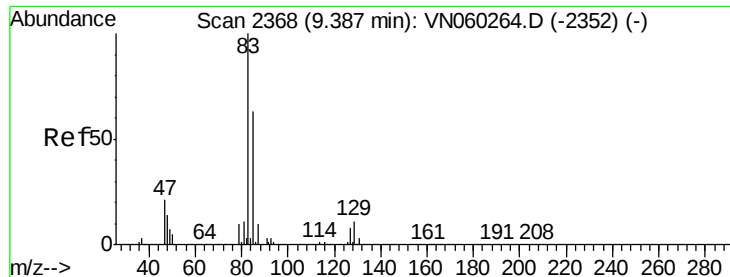


Abundance Ion 92.80 (92.50 to 93.50): VN060269.D (-2214) (-)

Ion 94.80 (94.50 to 95.50): VN060269.D (-2214) (-)

Ion 173.70 (173.40 to 174.40): VN060269.D (-2214) (-)





#47

Bromodichloromethane

Concen: 53.608 ug/l

RT: 9.38 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN060269.D

Acq: 27 Feb 2020 14:12

Instrument :

MSVOA_N

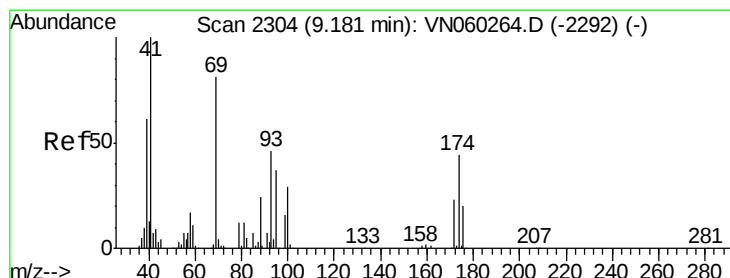
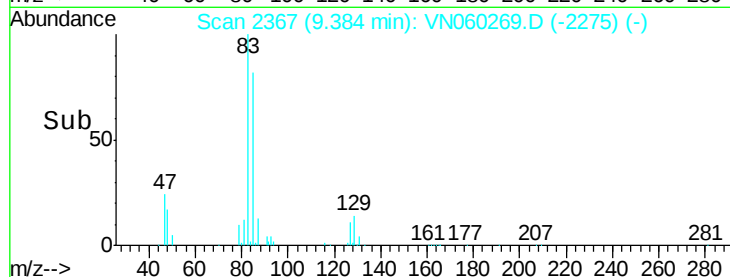
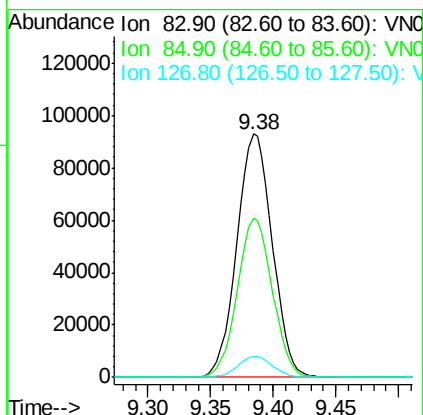
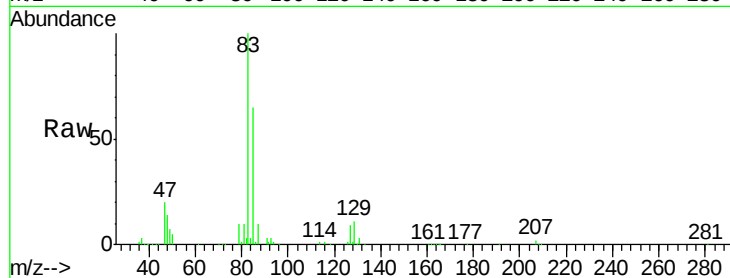
ClientSampleId :

ICVVN022720

Tot Ion:	83	Resp:	182355
Ion	Ratio	Lower	Upper
83	100		
85	65.2	50.7	76.1
127	8.6	6.8	10.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 51.745 ug/l

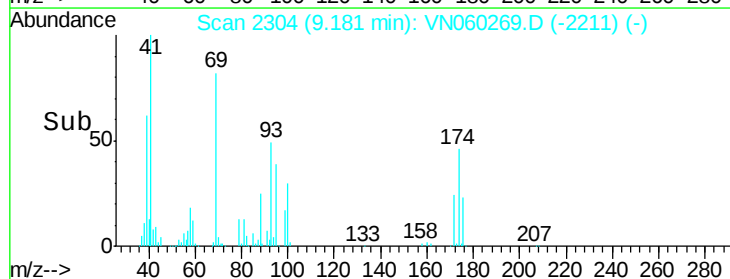
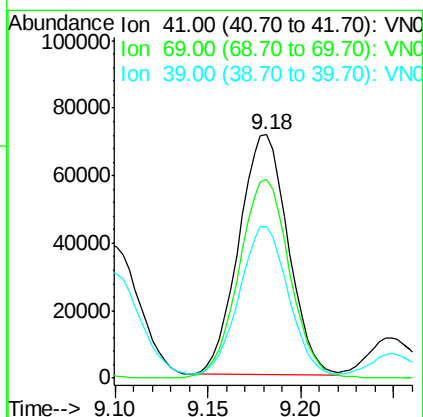
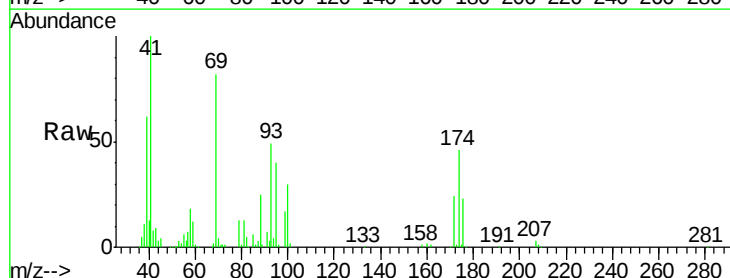
RT: 9.18 min Scan# 2304

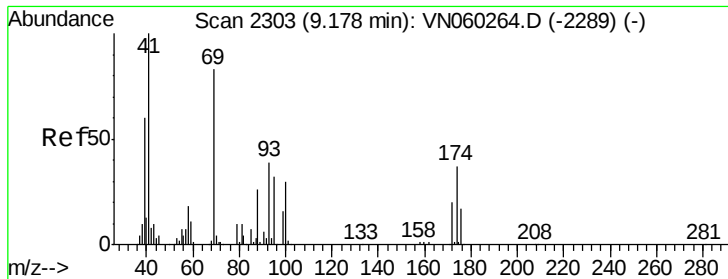
Delta R.T. 0.00 min

Lab File: VN060269.D

Acq: 27 Feb 2020 14:12

Tgt Ion:	41	Resp:	132490
Ion	Ratio	Lower	Upper
41	100		
69	84.7	66.7	100.1
39	64.1	50.1	75.1





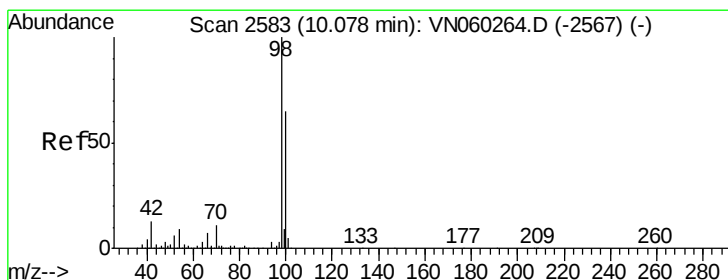
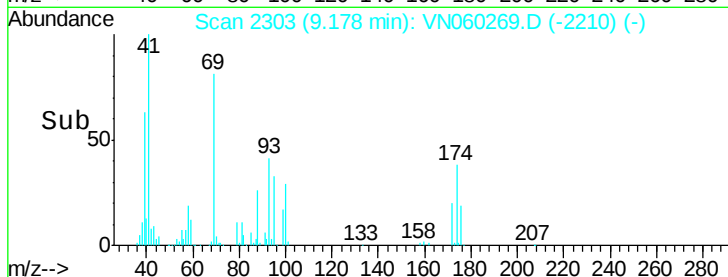
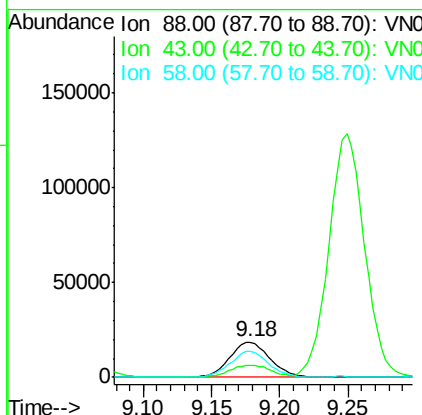
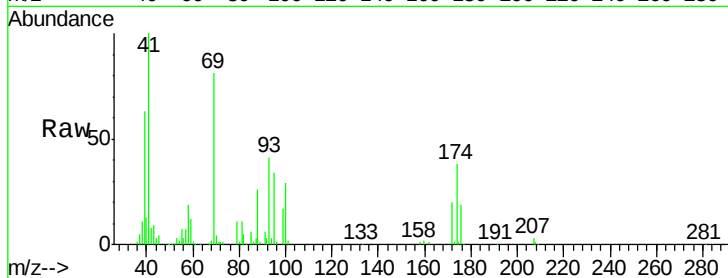
#49
1,4-Dioxane
Concen: 1064.240 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN060269.D
Acq: 27 Feb 2020 14:12

Instrument :
MSVOA_N
ClientSampleId :
ICVVN022720

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.4	30.4	45.6
58	71.0	57.0	85.6

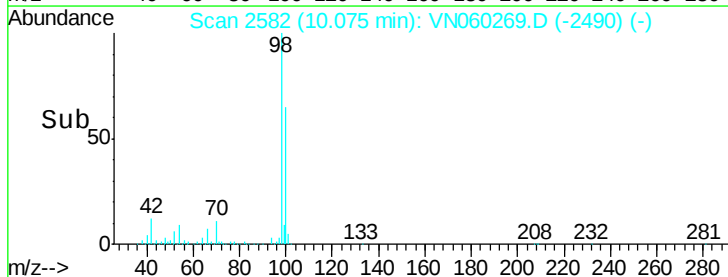
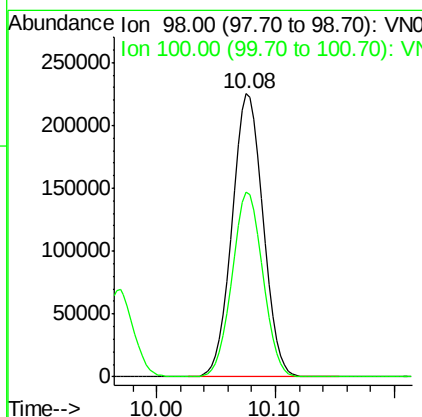
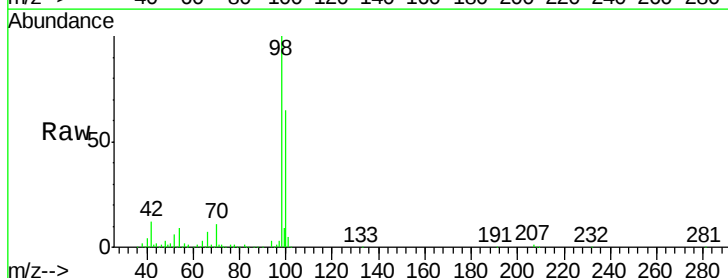
Manual Integrations
APPROVED

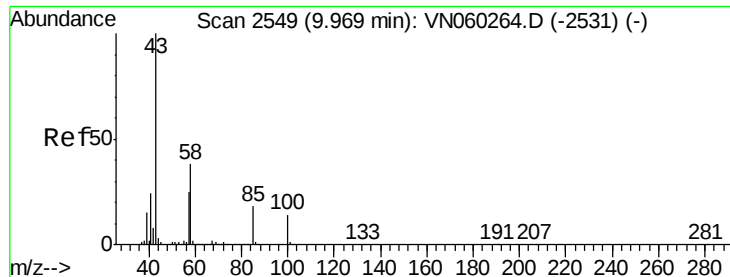
MMDadoda
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#50
Toluene-d8
Concen: 48.644 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060269.D
Acq: 27 Feb 2020 14:12

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 267.036 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN060269.D

Acq: 27 Feb 2020 14:12

Instrument :

MSVOA_N

ClientSampled :

ICVVN022720

Tot Ion: 43 Resp: 850117

Ion Ratio Lower Upper

43 100

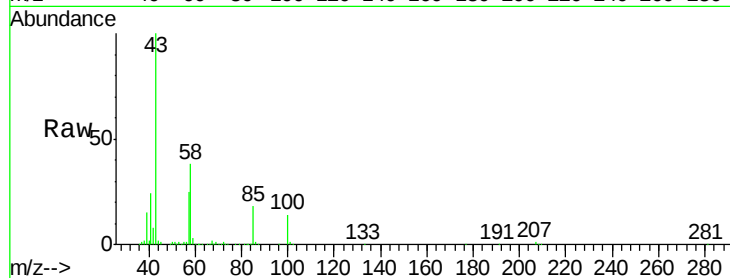
58 38.6 30.9 46.3

Manual Integrations

APPROVED

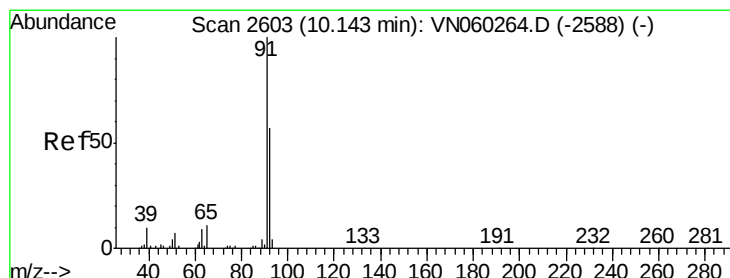
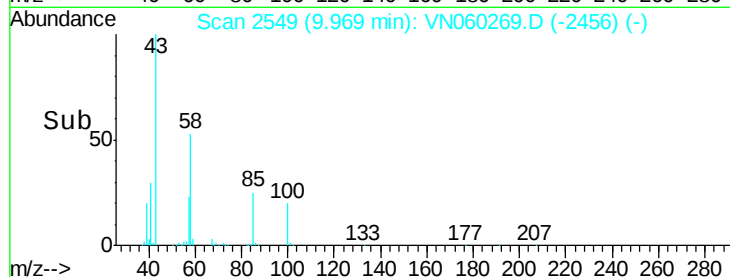
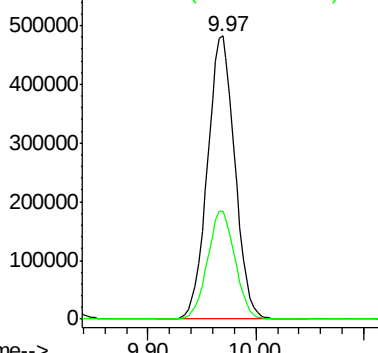
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 52.502 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN060269.D

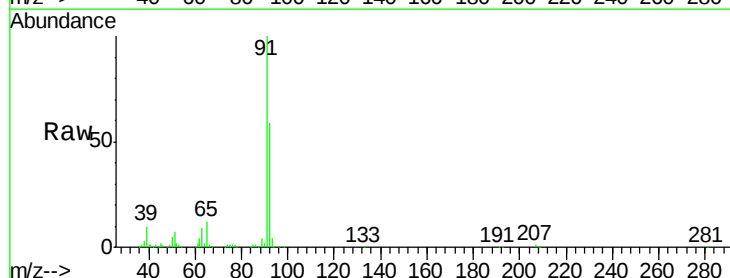
Acq: 27 Feb 2020 14:12

Tgt Ion: 92 Resp: 325141

Ion Ratio Lower Upper

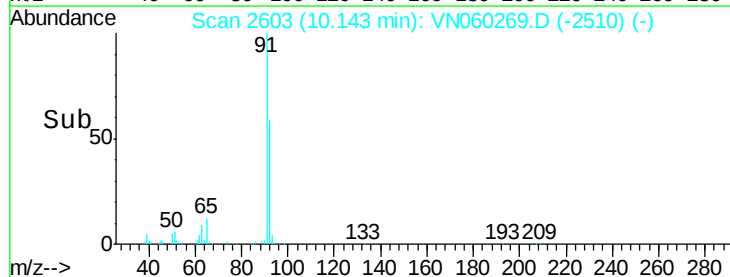
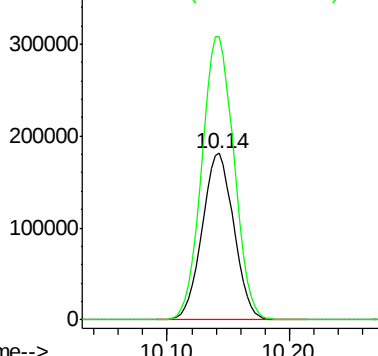
92 100

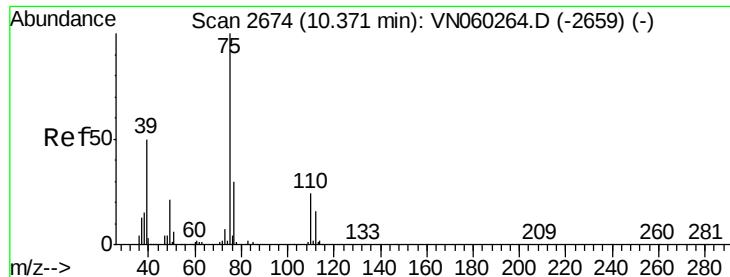
91 172.8 138.1 207.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 51.609 ug/l

RT: 10.37 min Scan# 2673

Delta R.T. -0.00 min

Lab File: VN060269.D

Acq: 27 Feb 2020 14:12

Instrument :

MSVOA_N

ClientSampled :

ICVVN022720

Tot Ion: 75 Resp: 215112

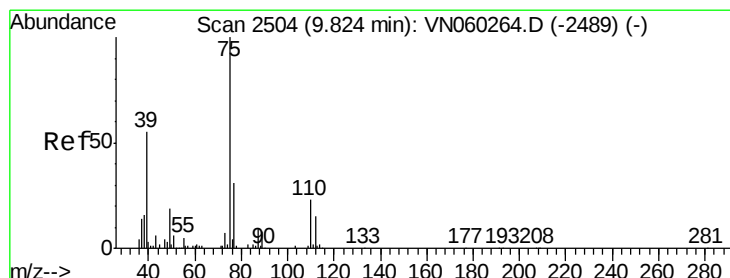
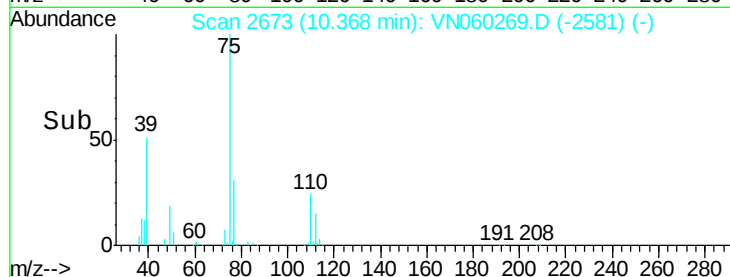
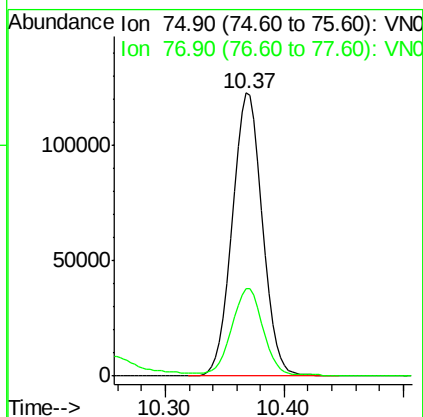
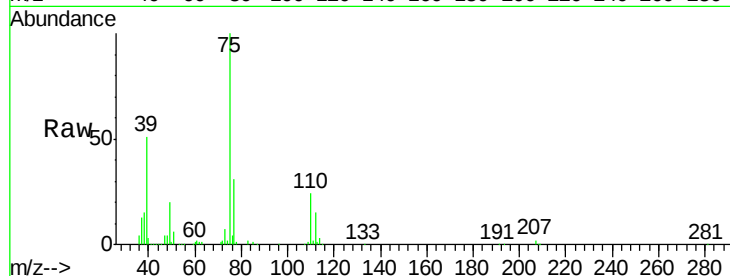
Ion Ratio Lower Upper

75 100

77 30.6 24.8 37.2

Manual Integrations
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#54

cis-1,3-Dichloropropene

Concen: 52.576 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN060269.D

Acq: 27 Feb 2020 14:12

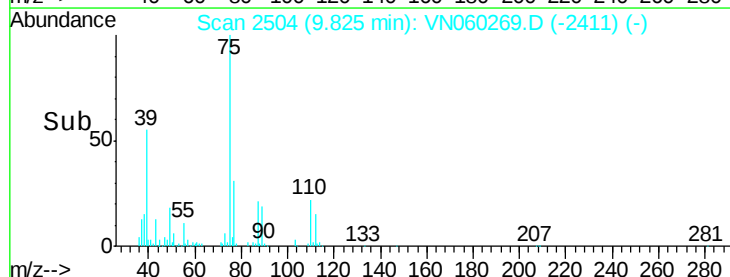
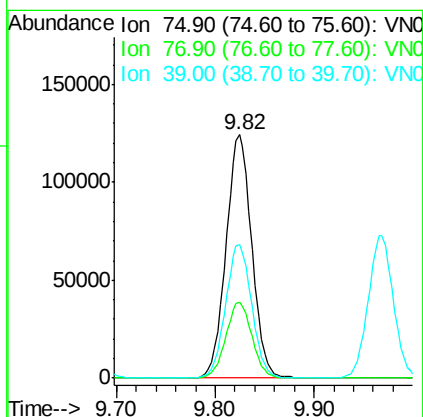
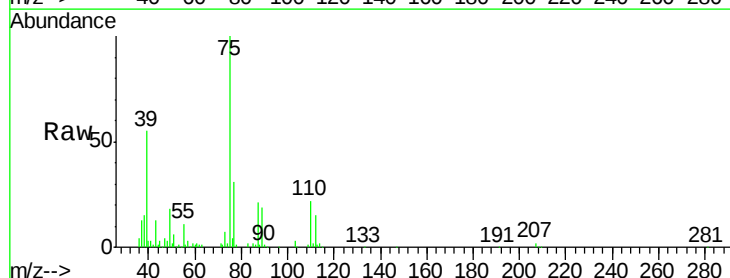
Tgt Ion: 75 Resp: 227077

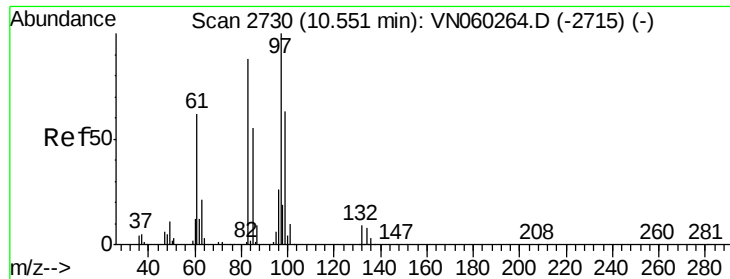
Ion Ratio Lower Upper

75 100

77 31.4 24.8 37.2

39 54.7 43.8 65.8





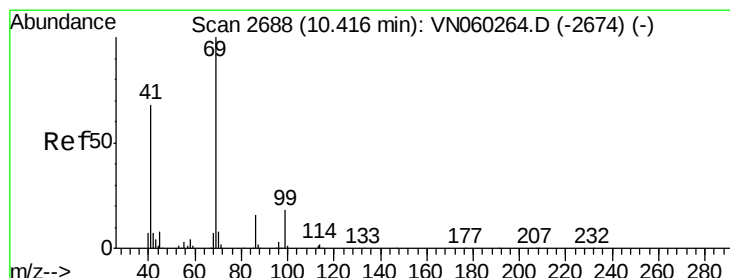
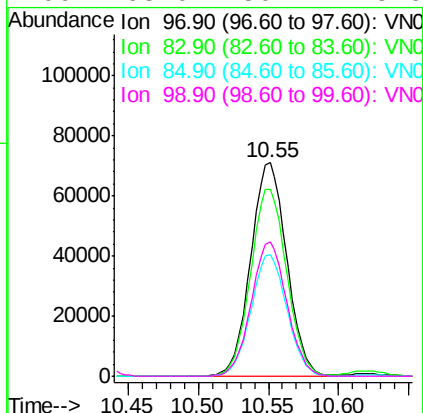
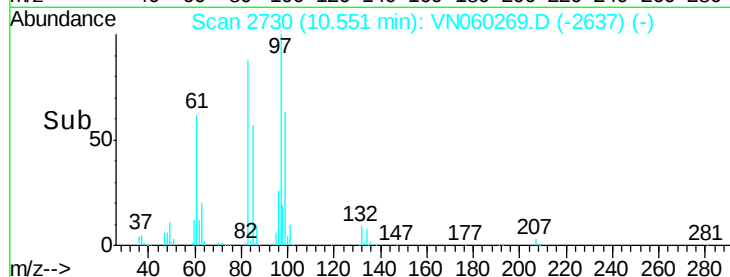
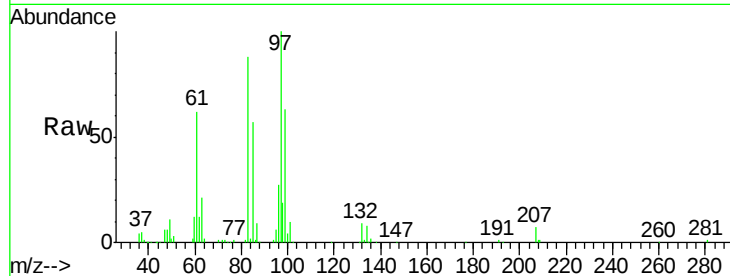
#55
 1,1,2-Trichloroethane
 Concen: 51.167 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN060269.D
 Acq: 27 Feb 2020 14:12

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN022720

Tot Ion:	97	Resp:	127428
Ion	Ratio	Lower	Upper
97	100		
83	87.6	70.0	105.0
85	56.9	44.0	66.0
99	63.0	50.4	75.6

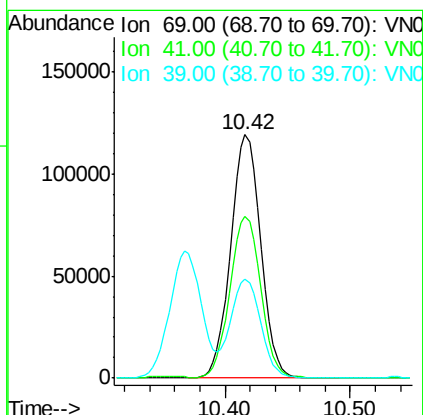
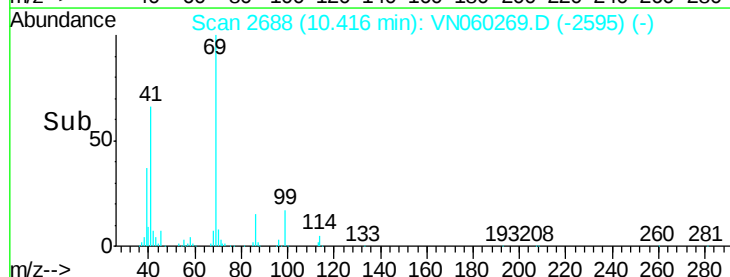
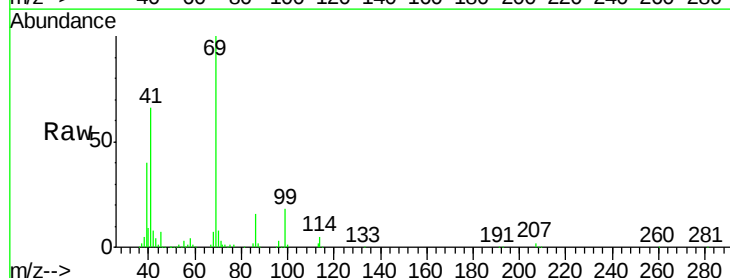
Manual Integrations
 APPROVED

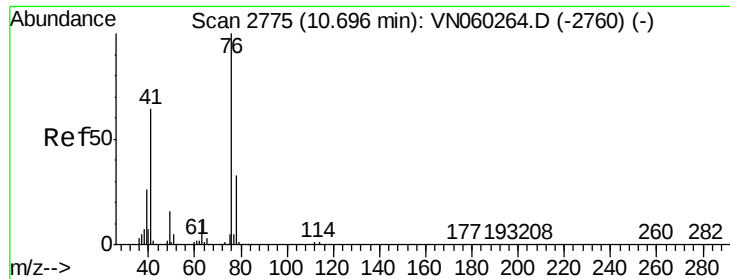
MMDadoda
 2/28/2020 12:31:20 PM



#56
 Ethyl methacrylate
 Concen: 55.629 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN060269.D
 Acq: 27 Feb 2020 14:12

Tgt Ion:	69	Resp:	199032
Ion	Ratio	Lower	Upper
69	100		
41	67.6	54.1	81.1
39	40.9	32.5	48.7





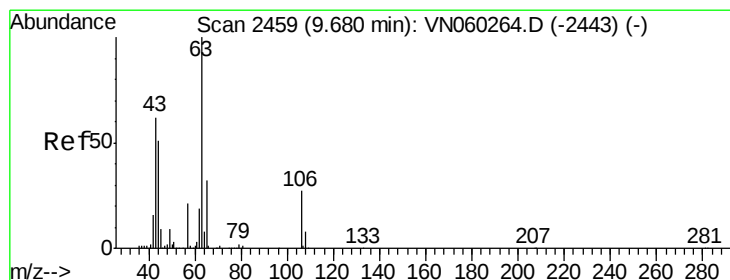
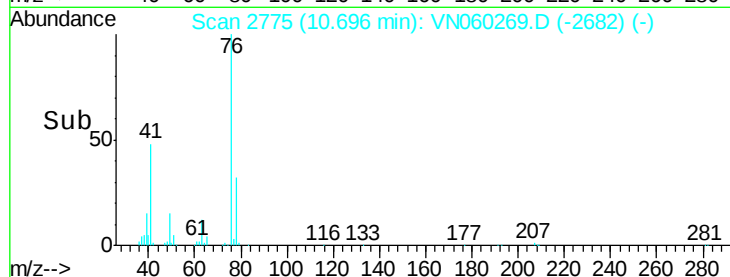
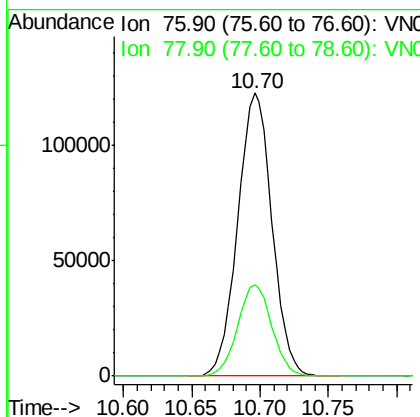
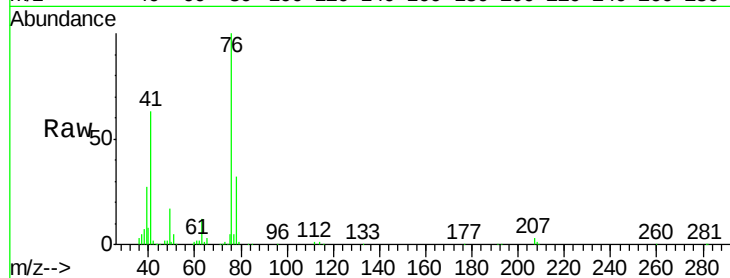
#57
 1,3-Dichloropropane
 Concen: 52.491 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. 0.00 min
 Lab File: VN060269.D
 Acq: 27 Feb 2020 14:12

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN022720

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.5	26.2	39.2

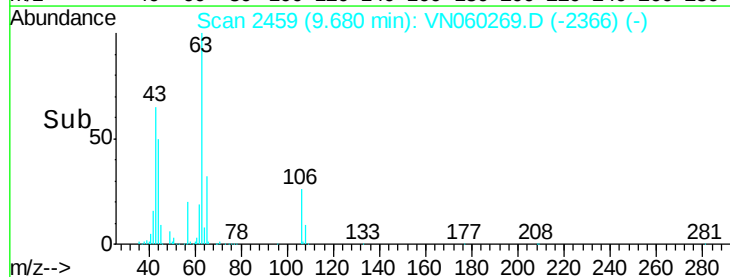
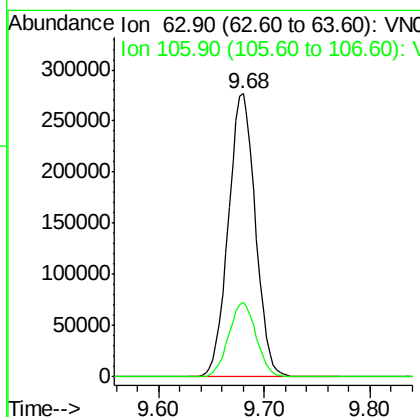
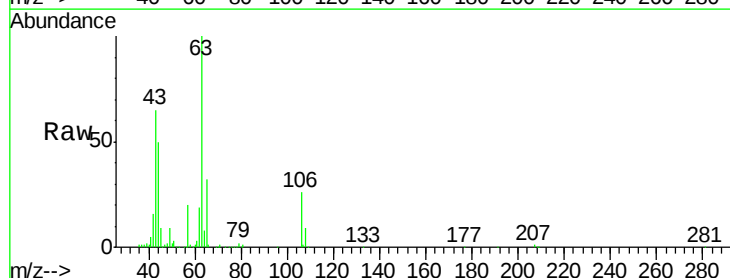
Manual Integrations
 APPROVED

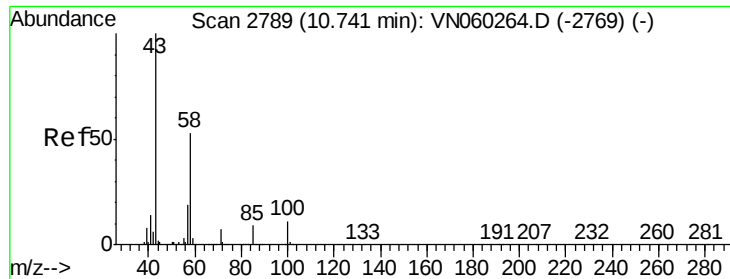
MMDadoda
 2/28/2020 12:31:20 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 262.032 ug/l
 RT: 9.68 min Scan# 2459
 Delta R.T. 0.00 min
 Lab File: VN060269.D
 Acq: 27 Feb 2020 14:12

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.7	21.1	31.7





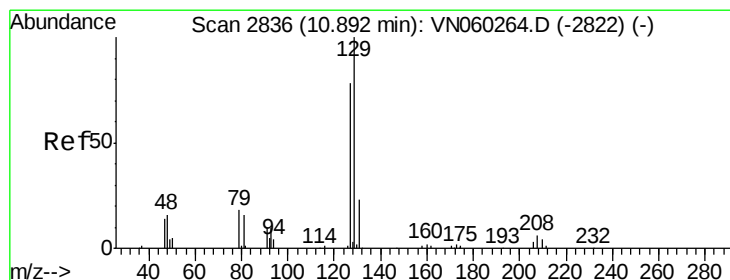
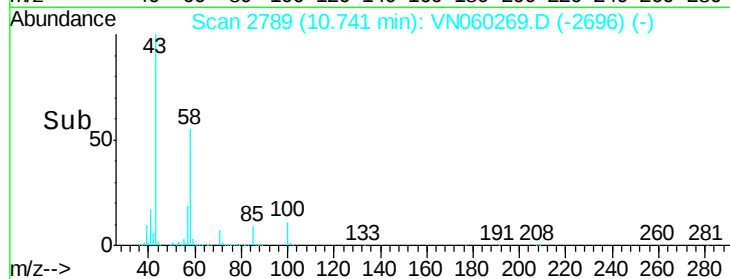
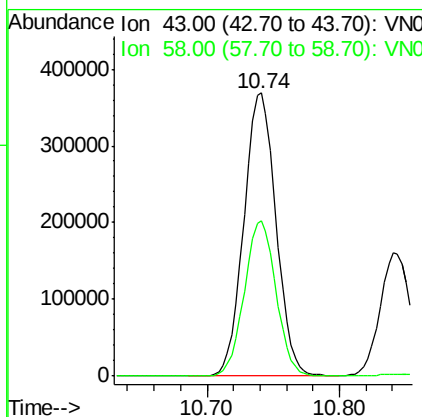
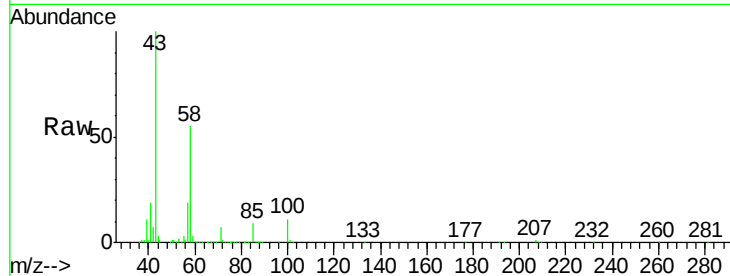
#59
2-Hexanone
Concen: 265.041 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN060269.D
Acq: 27 Feb 2020 14:12

Instrument :
MSVOA_N
ClientSampleId :
ICVVN022720

Tot Ion: 43 Resp: 619513
Ion Ratio Lower Upper
43 100
58 54.1 26.5 79.5

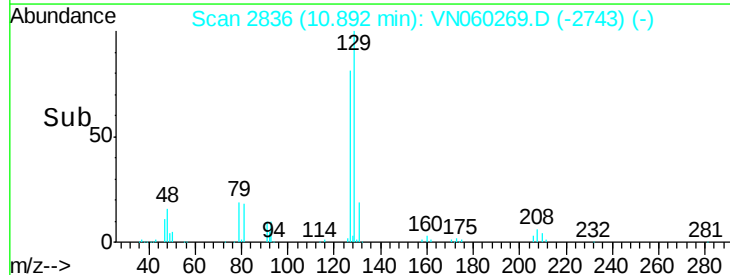
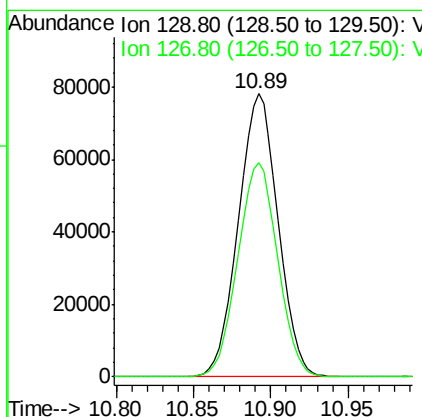
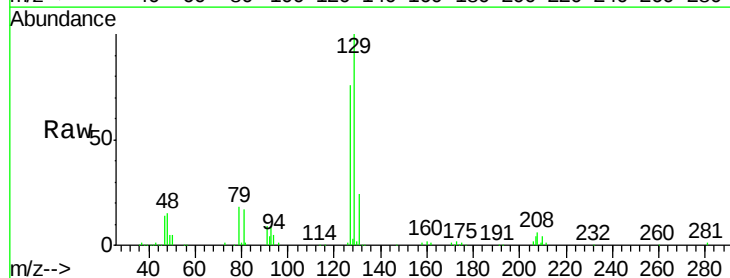
Manual Integrations
APPROVED

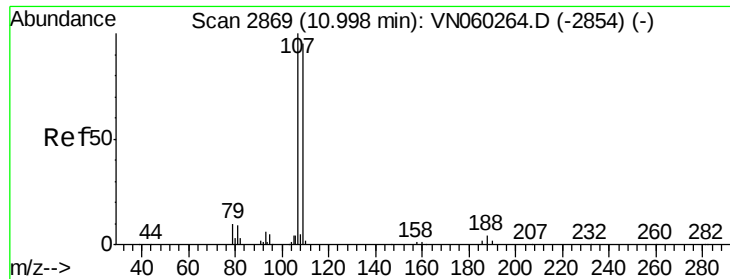
MMDadoda
2/28/2020 12:31:20 PM



#60
Dibromochloromethane
Concen: 55.007 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060269.D
Acq: 27 Feb 2020 14:12

Tgt Ion: 129 Resp: 139315
Ion Ratio Lower Upper
129 100
127 76.0 38.9 116.7





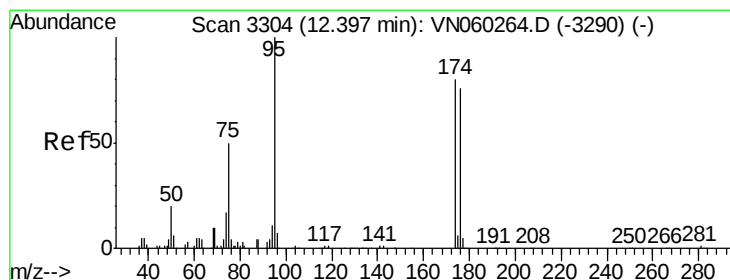
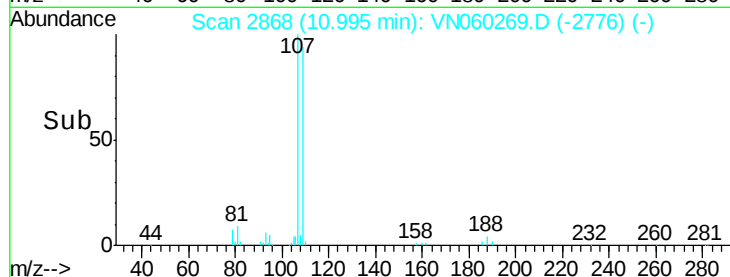
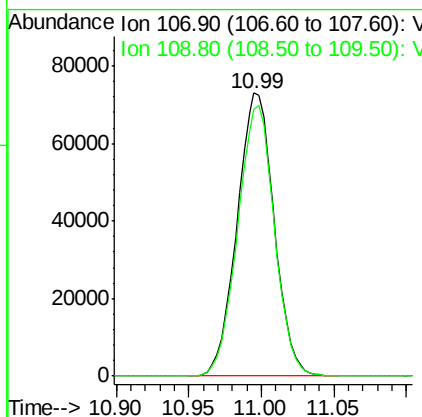
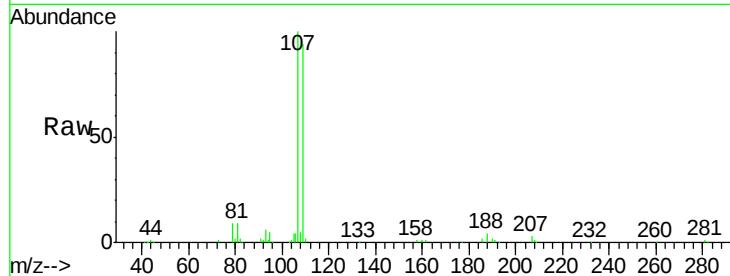
#61
 1,2-Dibromoethane
 Concen: 53.311 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN060269.D
 Acq: 27 Feb 2020 14:12

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN022720

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.1	76.8	115.2

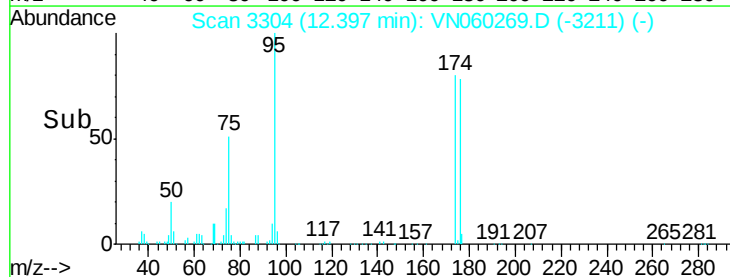
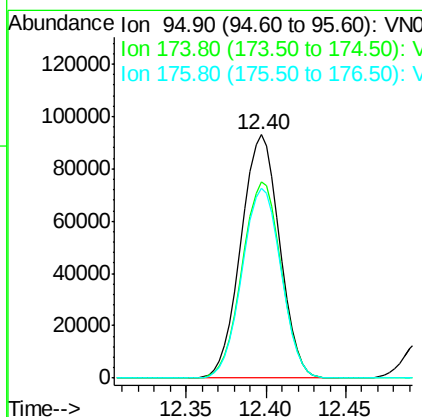
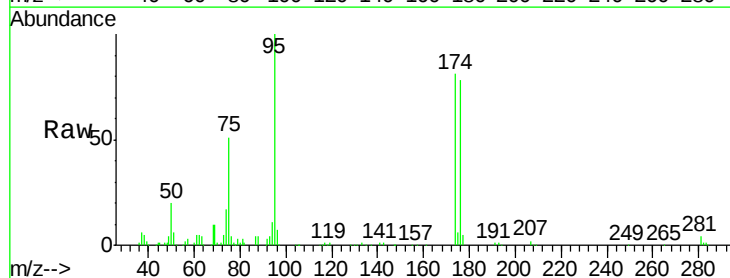
Manual Integrations
 APPROVED

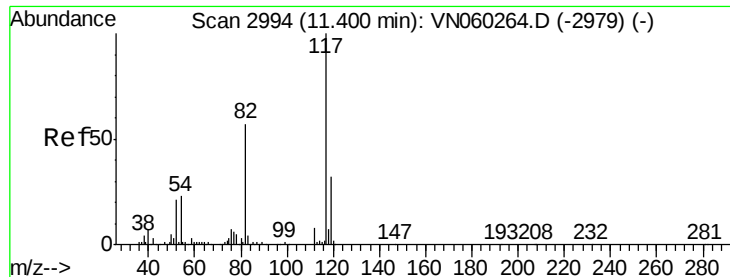
MMDadoda
 2/28/2020 12:31:20 PM



#62
 4-Bromofluorobenzene
 Concen: 48.410 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN060269.D
 Acq: 27 Feb 2020 14:12

Tgt Ion	Ratio	Lower	Upper
95	100		
174	81.5	0.0	159.2
176	79.0	0.0	153.8





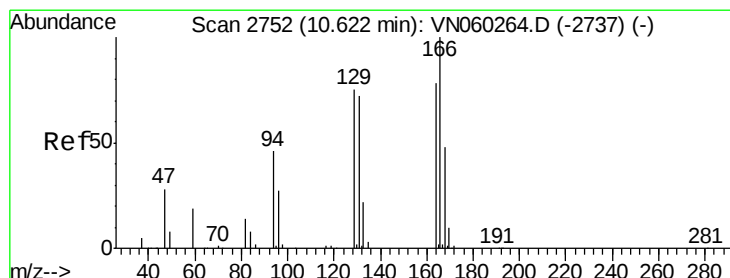
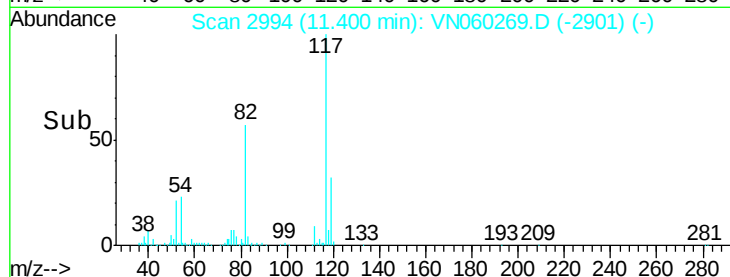
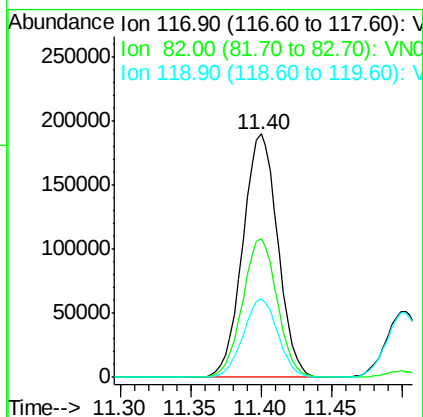
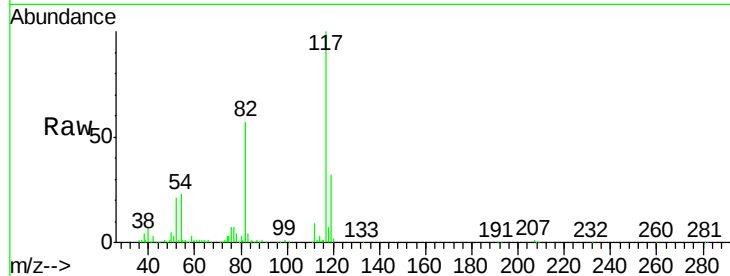
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060269.D
Acq: 27 Feb 2020 14:12

Instrument :
MSVOA_N
ClientSampleId :
ICVVN022720

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.9	45.8	68.6
119	32.2	25.8	38.8

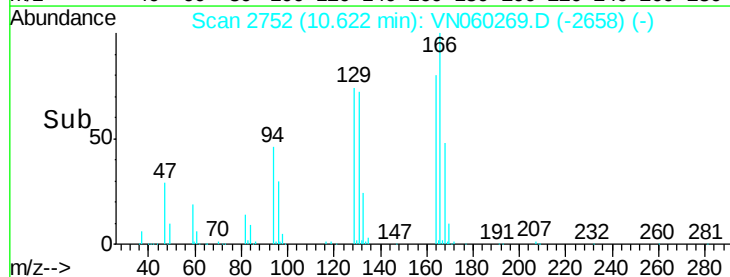
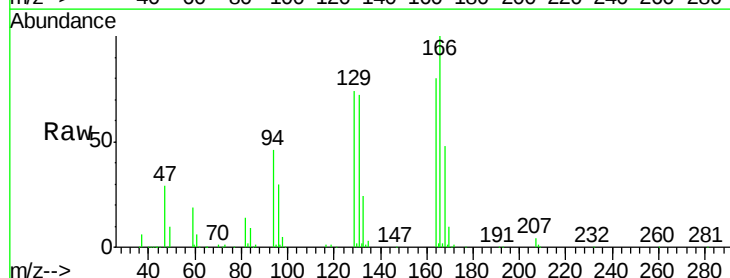
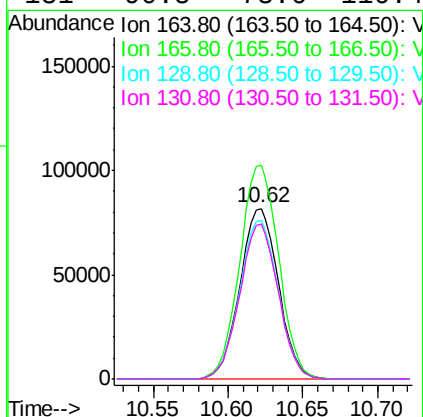
Manual Integrations
APPROVED

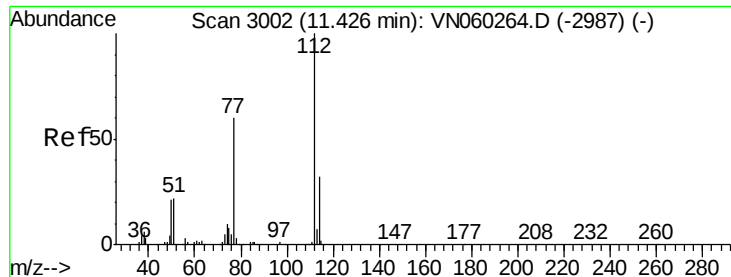
MMDadoda
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#64
Tetrachloroethene
Concen: 56.434 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN060269.D
Acq: 27 Feb 2020 14:12

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.3	102.0	153.0
129	93.1	76.4	114.6
131	90.5	73.6	110.4





#65

Chlorobenzene

Concen: 51.518 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. 0.00 min

Lab File: VN060269.D

Acq: 27 Feb 2020 14:12

Instrument :

MSVOA_N

ClientSampleId :

ICVVN022720

Tot Ion:112 Resp: 343212

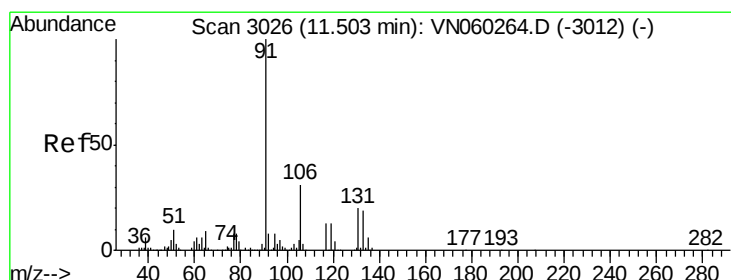
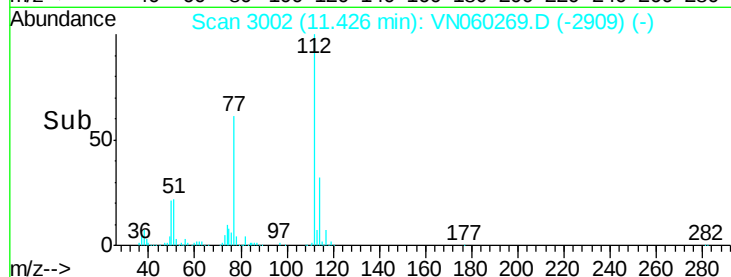
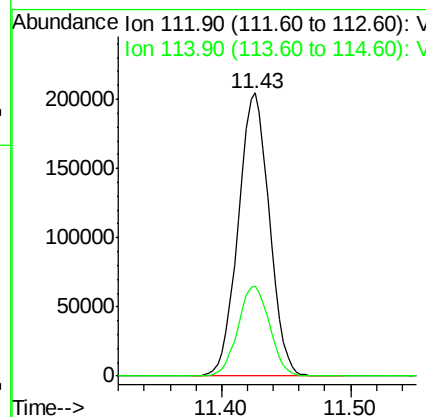
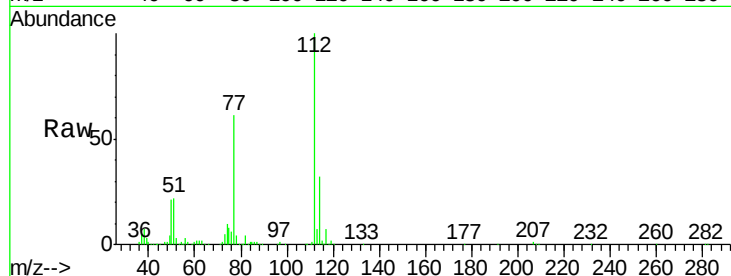
Ion Ratio Lower Upper

112 100

114 31.7 25.4 38.0

Manual Integrations
APPROVED

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#66

1,1,1,2-Tetrachloroethane

Concen: 53.614 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN060269.D

Acq: 27 Feb 2020 14:12

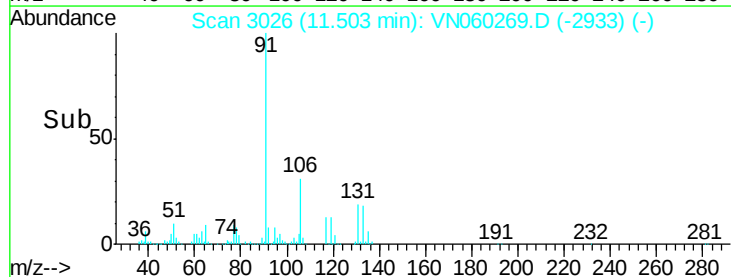
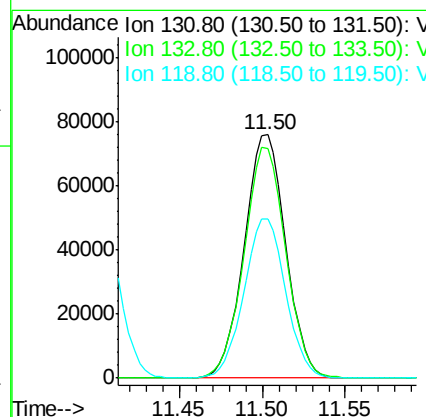
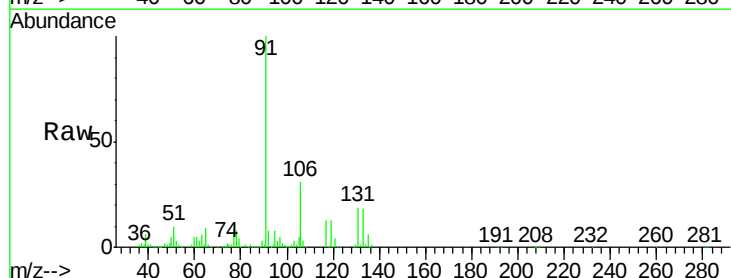
Tgt Ion:131 Resp: 132064

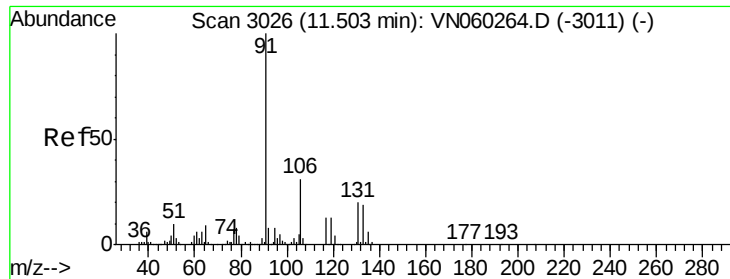
Ion Ratio Lower Upper

131 100

133 94.7 47.7 143.1

119 65.8 33.2 99.6





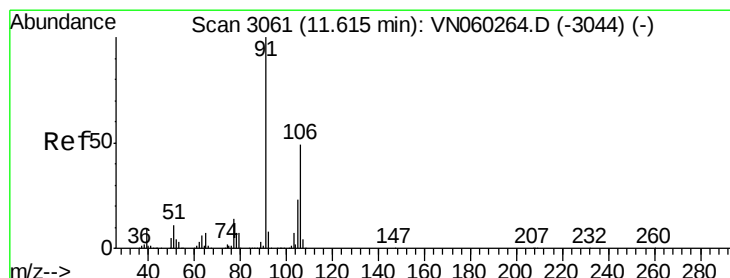
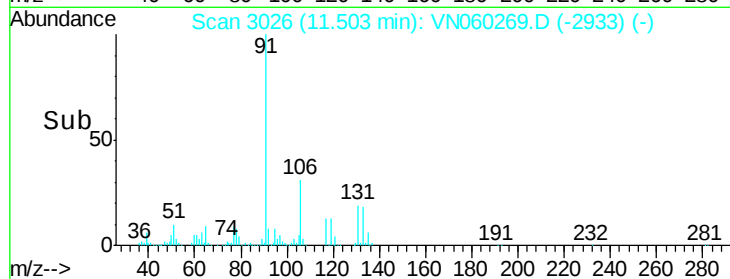
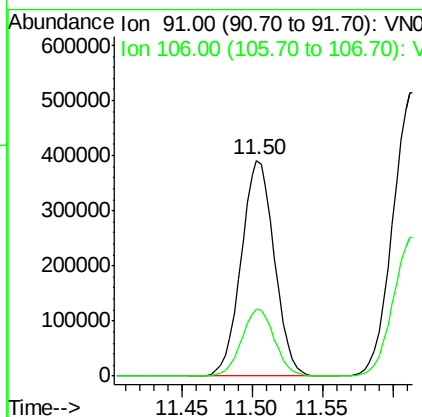
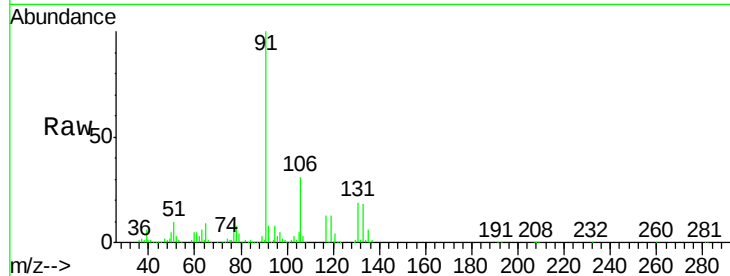
#67
Ethyl Benzene
Concen: 53.133 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN060269.D
Acq: 27 Feb 2020 14:12

Instrument :
MSVOA_N
ClientSampled :
ICVVN022720

Tot Ion: 91 Resp: 644620
Ion Ratio Lower Upper
91 100
106 30.9 24.7 37.1

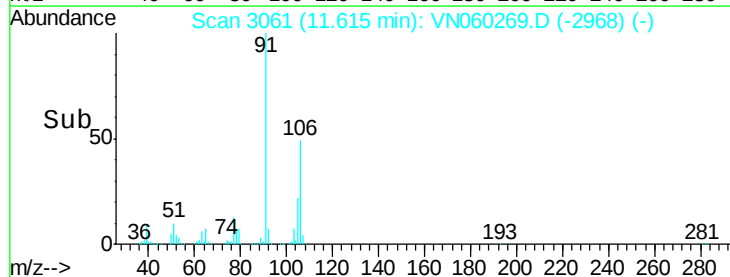
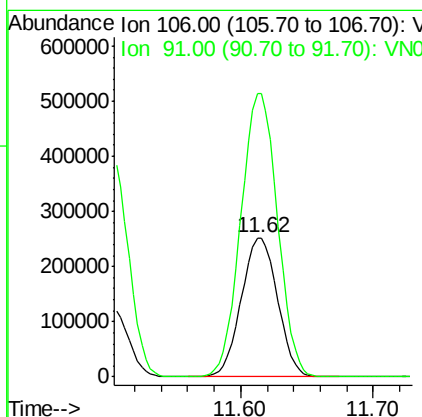
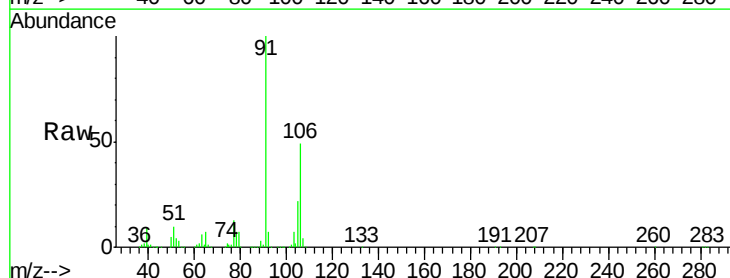
Manual Integrations
APPROVED

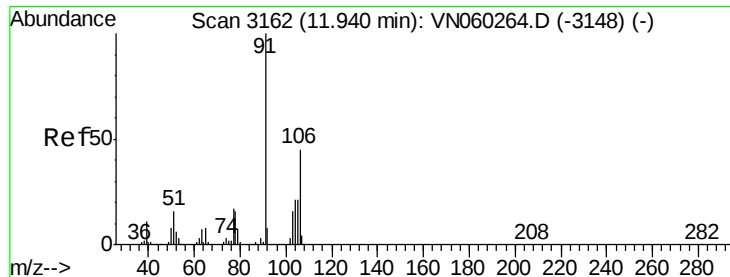
MMDadoda
2/28/2020 12:31:20 PM



#68
m/p-Xylenes
Concen: 104.725 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. 0.00 min
Lab File: VN060269.D
Acq: 27 Feb 2020 14:12

Tgt Ion: 106 Resp: 479364
Ion Ratio Lower Upper
106 100
91 205.6 164.5 246.7





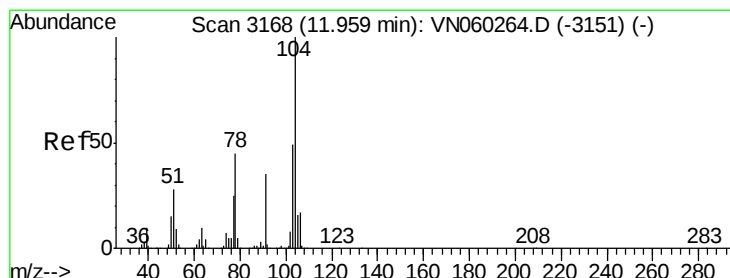
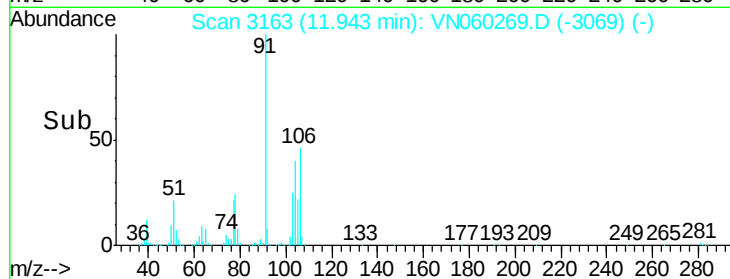
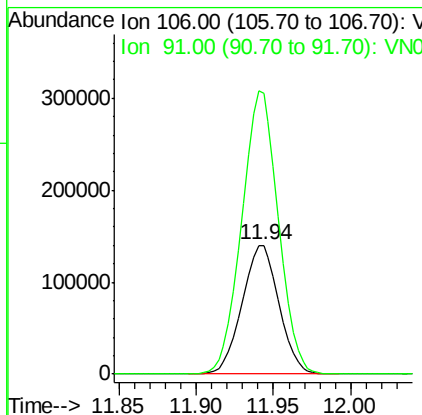
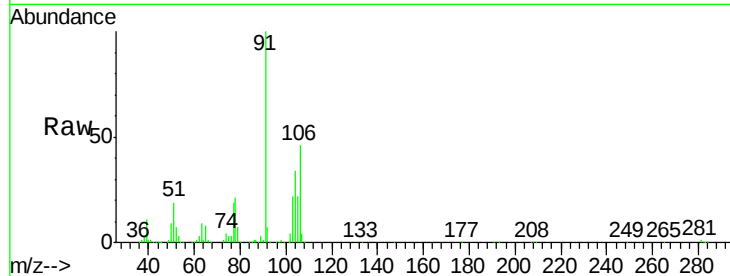
#69
o-Xylene
Concen: 53.234 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN060269.D
Acq: 27 Feb 2020 14:12

Instrument :
MSVOA_N
ClientSampled :
ICVVN022720

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	217.5	109.5	328.4	

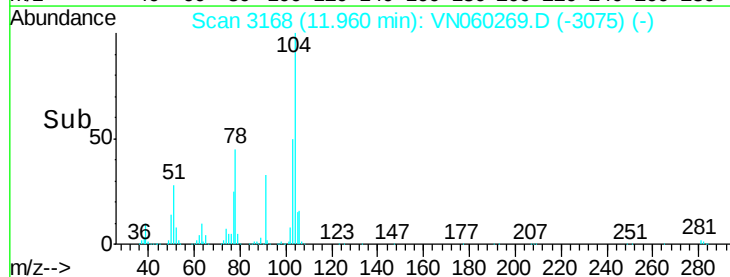
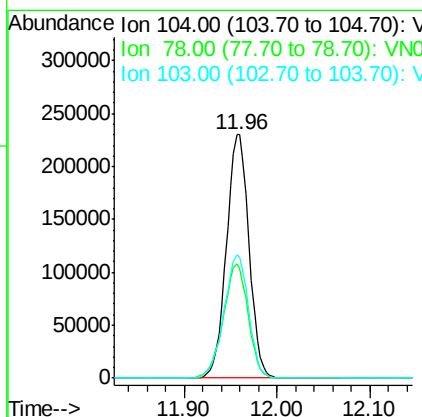
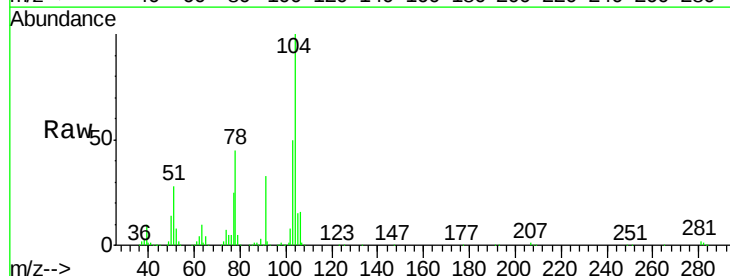
Manual Integrations
APPROVED

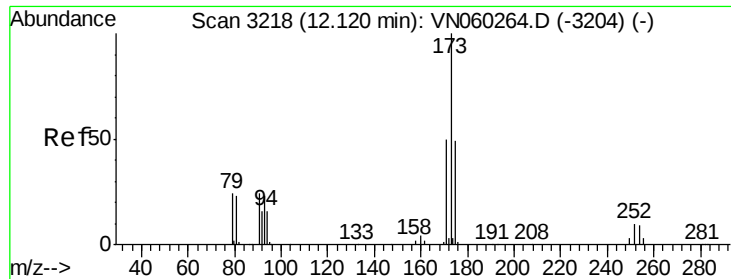
MMDadoda
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#70
Styrene
Concen: 54.174 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN060269.D
Acq: 27 Feb 2020 14:12

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	51.1	41.2	61.8	
103	55.0	43.9	65.9	





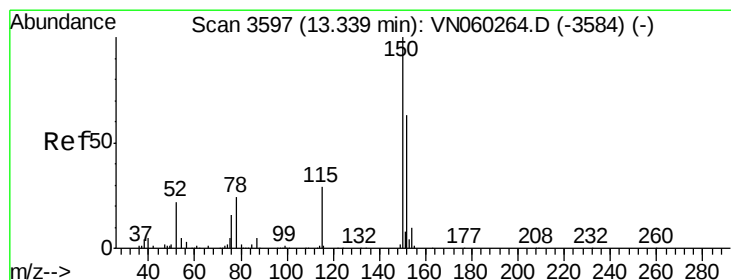
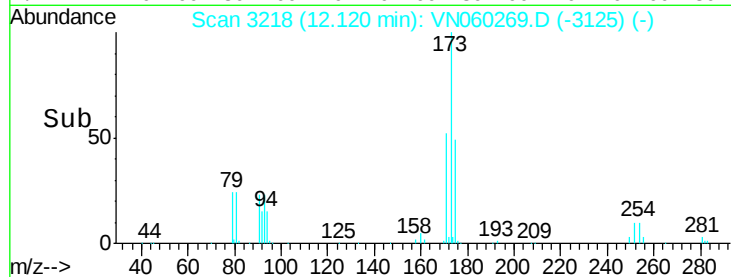
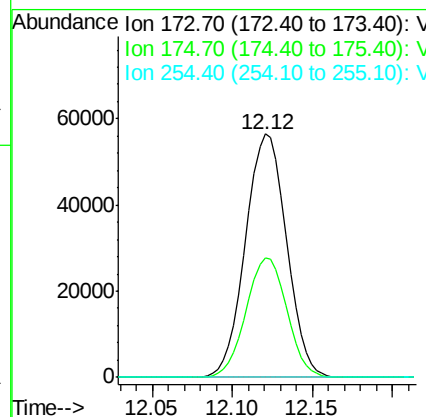
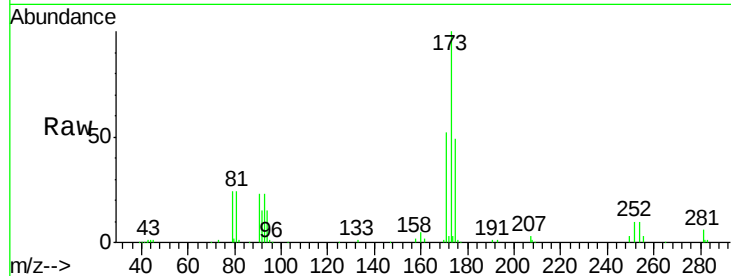
#71
Bromoform
Concen: 55.825 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN060269.D
Acq: 27 Feb 2020 14:12

Instrument :
MSVOA_N
ClientSampleId :
ICVVN022720

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.1	72.2
254	0.0	0.0	0.0

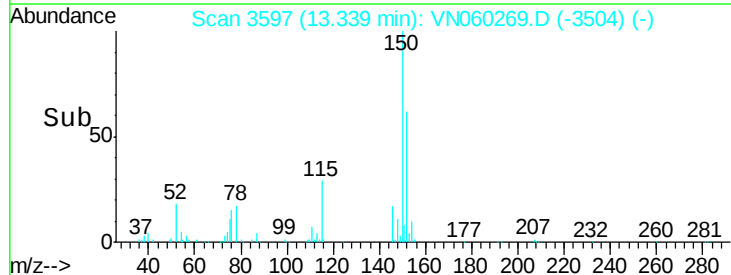
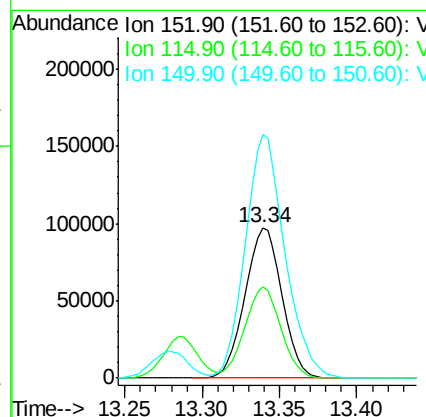
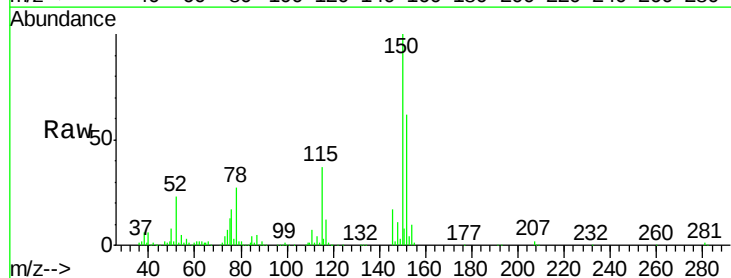
Manual Integrations
APPROVED

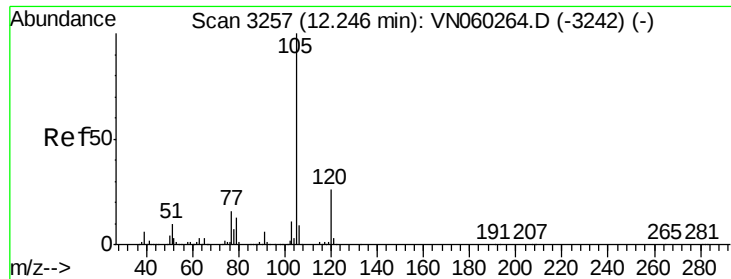
MMDadoda
2/28/2020 12:31:20 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN060269.D
Acq: 27 Feb 2020 14:12

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.5	30.0	90.0
150	173.8	0.0	349.6





#73

Isopropylbenzene

Concen: 52.757 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN060269.D

Acq: 27 Feb 2020 14:12

Instrument :

MSVOA_N

ClientSampleId :

ICVVN022720

Tot Ion: 105 Resp: 631459

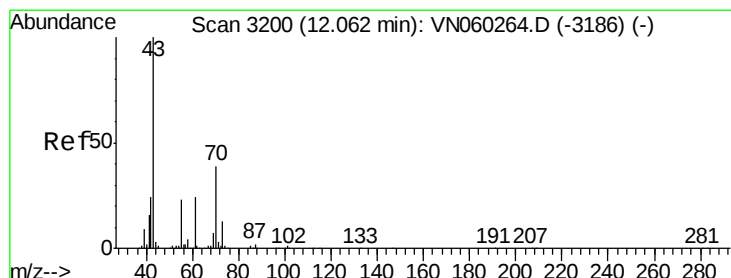
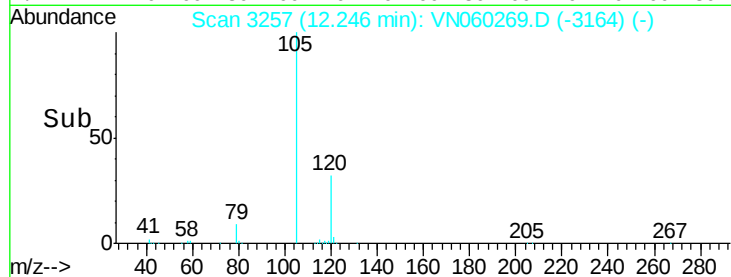
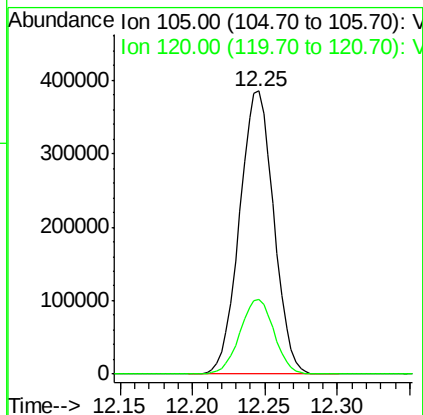
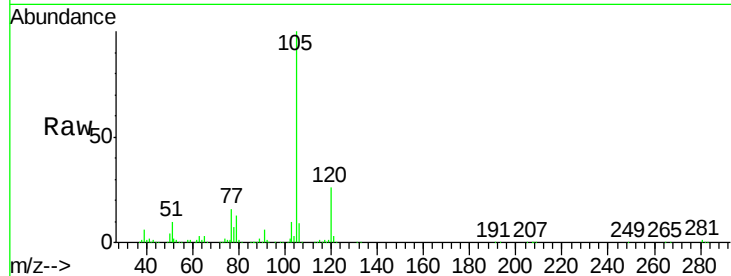
Ion Ratio Lower Upper

105 100

120 26.5 13.0 38.9

Manual Integrations
APPROVED

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2/28/2020 12:31:20 PM



#74

N-ethyl acetate

Concen: 51.459 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN060269.D

Acq: 27 Feb 2020 14:12

Tgt Ion: 43 Resp: 269140

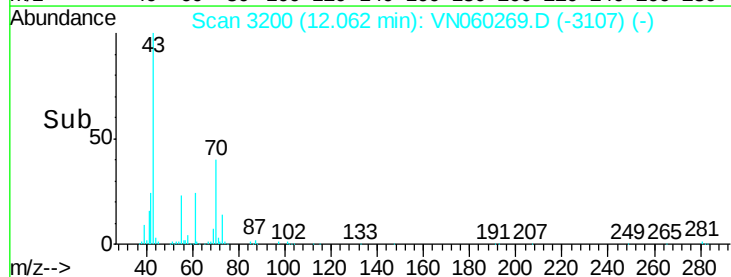
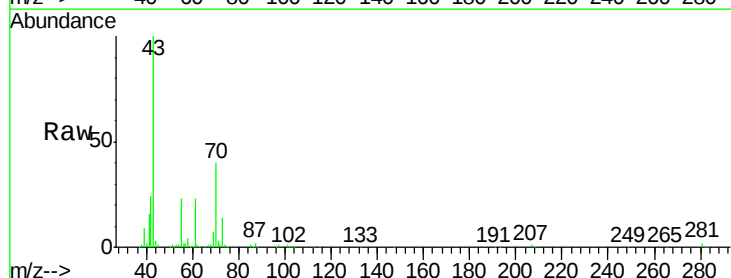
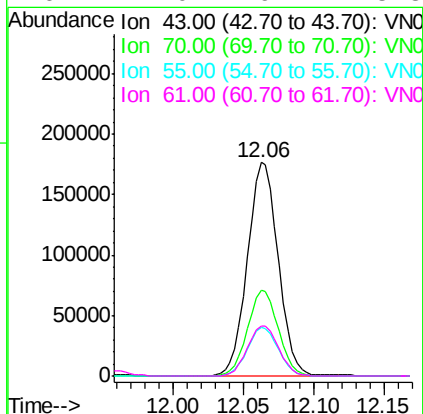
Ion Ratio Lower Upper

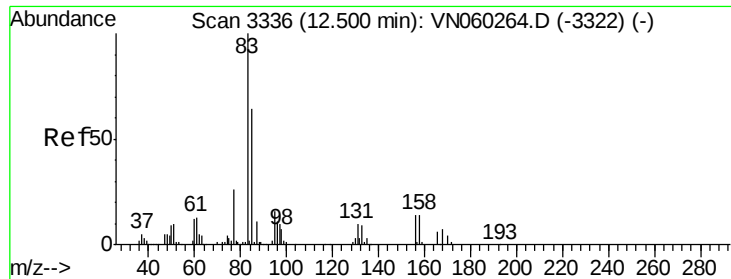
43 100

70 40.2 32.2 48.2

55 23.1 18.2 27.4

61 24.0 19.2 28.8





#75

1,1,2,2-Tetrachloroethane

Concen: 51.752 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060269.D

Acq: 27 Feb 2020 14:12

Instrument :

MSVOA_N

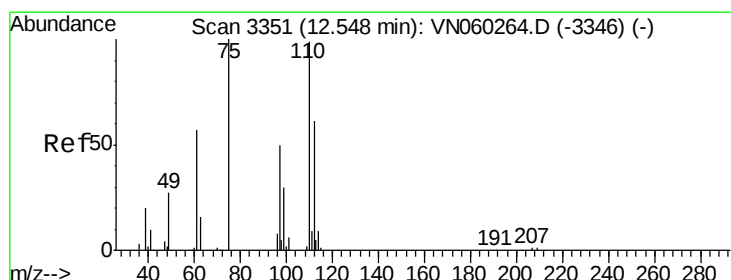
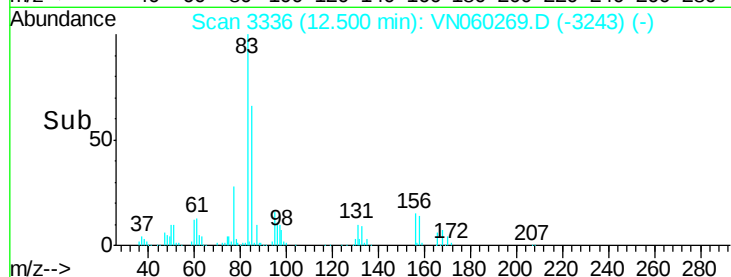
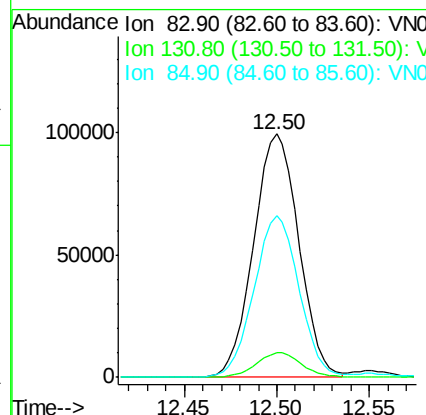
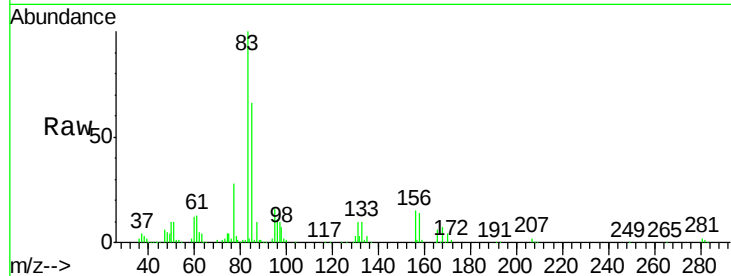
ClientSampleId :

ICVVN022720

Tot Ion:	83	Resp:	168376
Ion Ratio	Lower	Upper	
83	100		
131	10.2	5.1	15.3
85	65.9	32.3	96.8

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#76

1,2,3-Trichloropropane

Concen: 47.211 ug/l m

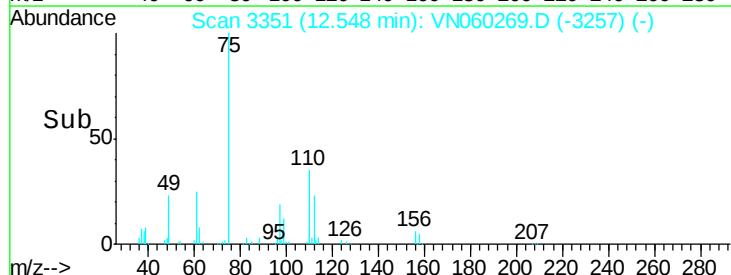
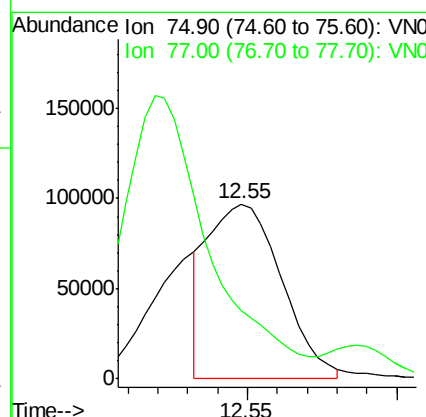
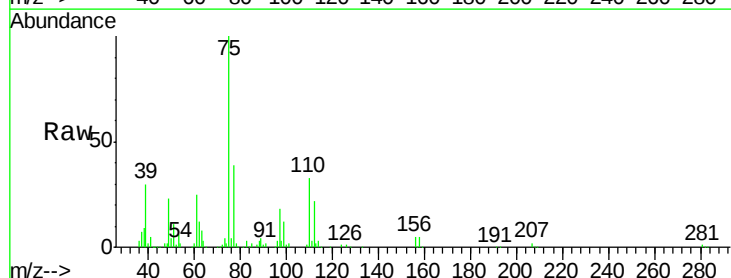
RT: 12.55 min Scan# 3351

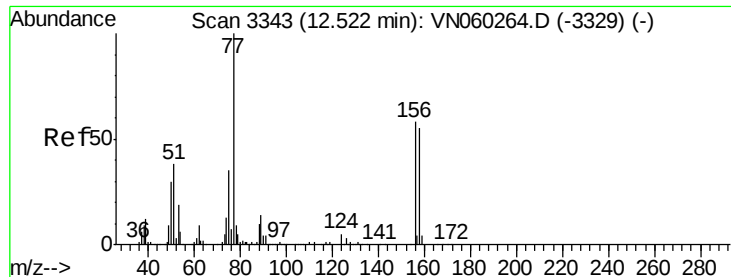
Delta R.T. 0.00 min

Lab File: VN060269.D

Acq: 27 Feb 2020 14:12

Tgt Ion:	75	Resp:	167269
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 52.114 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN060269.D

Acq: 27 Feb 2020 14:12

Instrument :

MSVOA_N

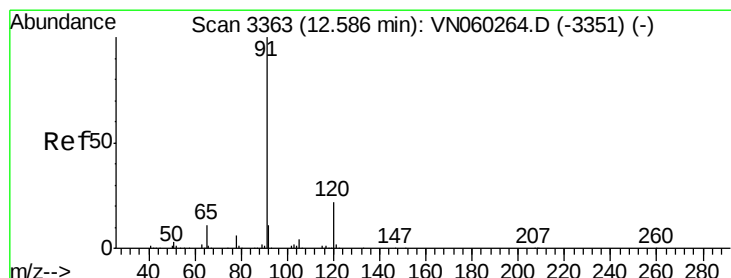
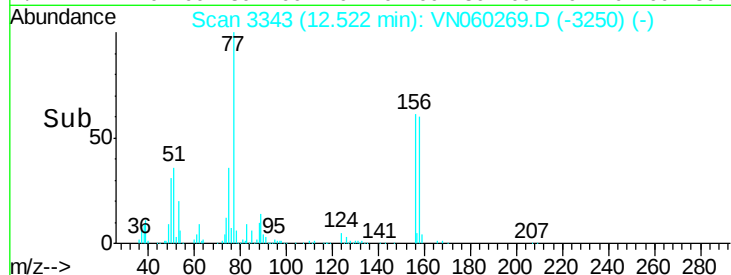
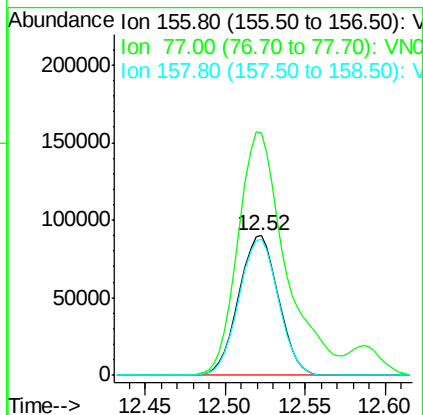
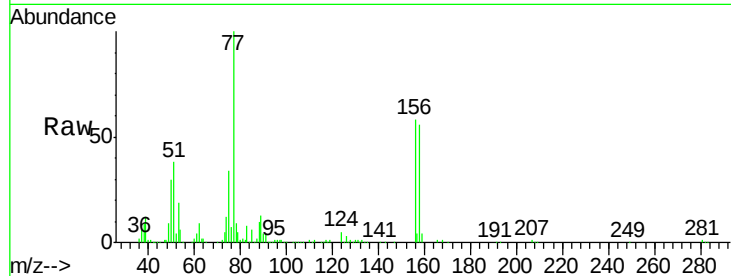
ClientSampleId :

ICVVN022720

Tot Ion:	156	Resp:	152901
Ion Ratio	Lower	Upper	
156	100		
77	208.6	106.1	318.3
158	97.0	48.3	144.8

Manual Integrations
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2/28/2020 12:31:20 PM



#78

n-propylbenzene

Concen: 52.656 ug/l

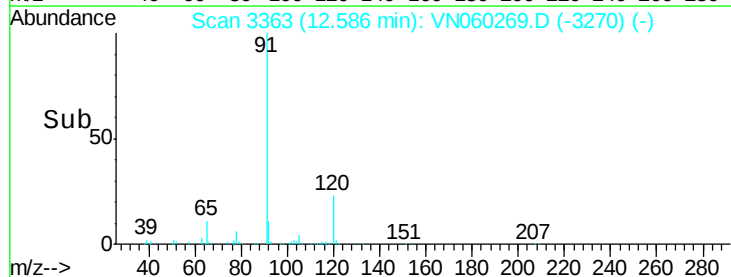
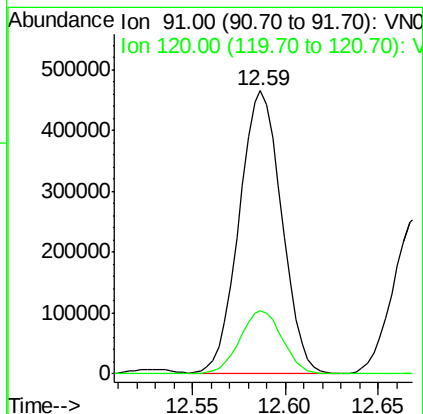
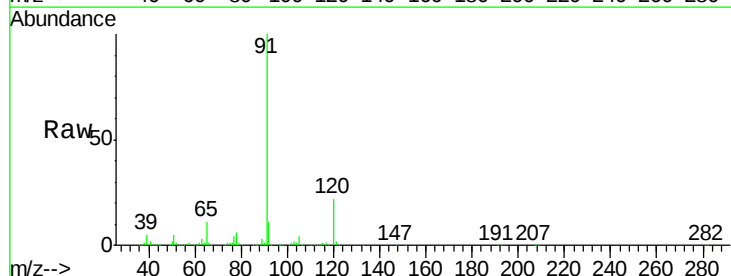
RT: 12.59 min Scan# 3363

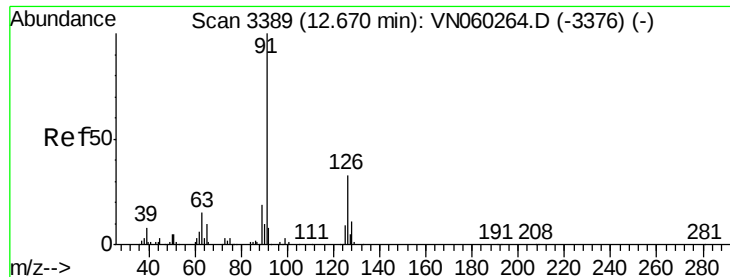
Delta R.T. 0.00 min

Lab File: VN060269.D

Acq: 27 Feb 2020 14:12

Tgt Ion:	91	Resp:	738759
Ion Ratio	Lower	Upper	
91	100		
120	22.4	11.3	33.9





#79

2-Chlorotoluene

Concen: 51.817 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN060269.D

Acq: 27 Feb 2020 14:12

Instrument :

MSVOA_N

ClientSampleId :

ICVVN022720

Tot Ion: 91 Resp: 427343

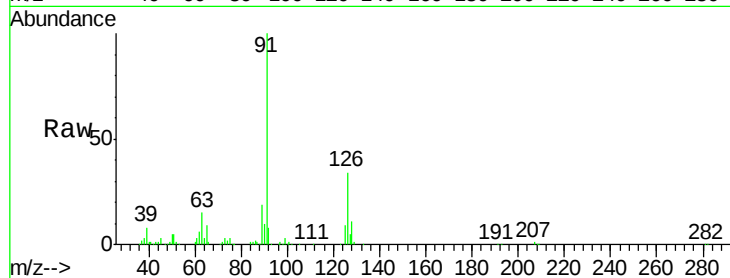
Ion Ratio Lower Upper

91 100

126 33.9 16.6 49.8

Manual Integrations
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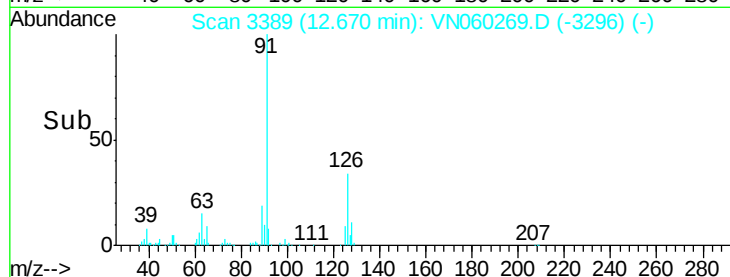
MMDadoda
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Abundance Ion 91.00 (90.70 to 91.70): VN060269.D (-3376) (-)

Ion 125.90 (125.60 to 126.60): VN060269.D (-3376) (-)

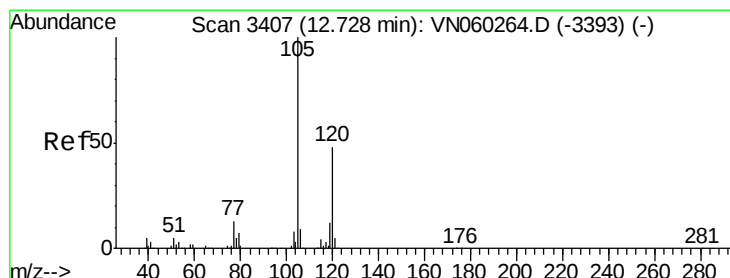
Time-->



Abundance Ion 91.00 (90.70 to 91.70): VN060269.D (-3376) (-)

Ion 125.90 (125.60 to 126.60): VN060269.D (-3376) (-)

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 53.300 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN060269.D

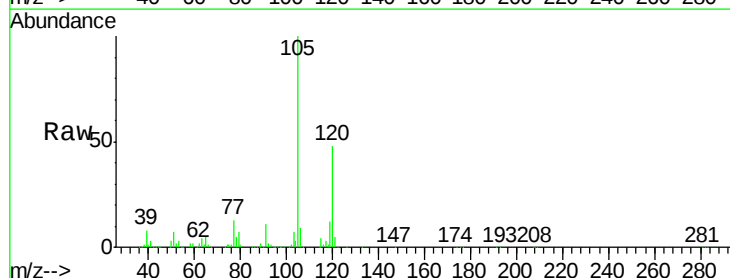
Acq: 27 Feb 2020 14:12

Tgt Ion: 105 Resp: 537128

Ion Ratio Lower Upper

105 100

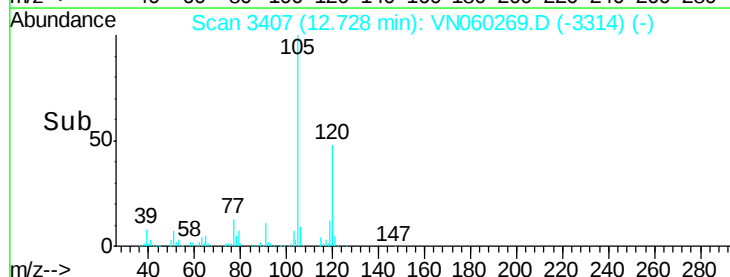
120 48.1 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN060269.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN060269.D (-3393) (-)

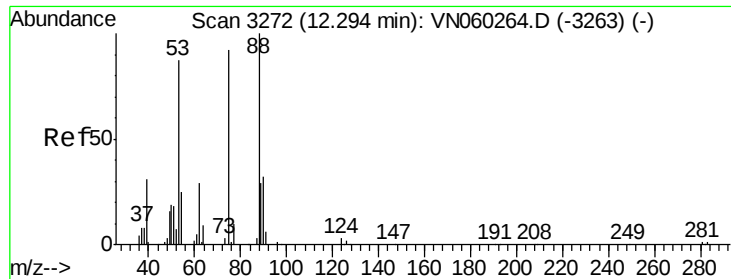
Time-->



Abundance Ion 105.00 (104.70 to 105.70): VN060269.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN060269.D (-3393) (-)

Time-->



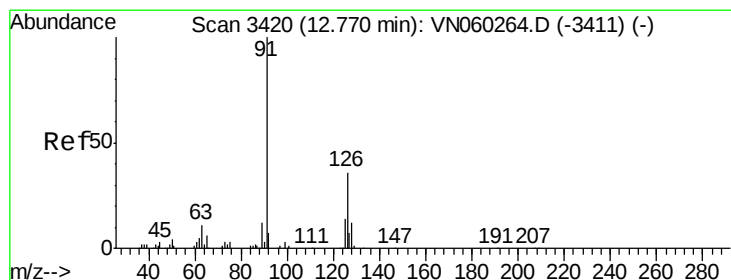
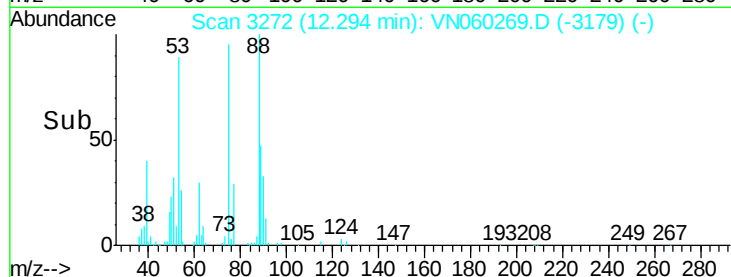
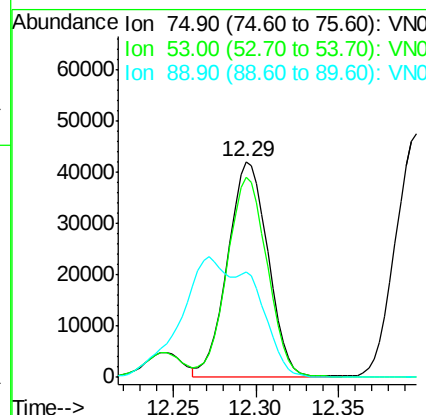
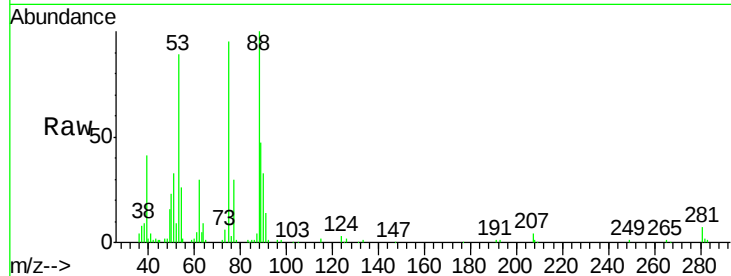
#81
trans-1,4-Dichloro-2-butene
Concen: 55.723 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. 0.00 min
Lab File: VN060269.D
Acq: 27 Feb 2020 14:12

Instrument :
MSVOA_N
ClientSampleId :
ICVVN022720

Tot Ion	Ratio	Lower	Upper
75	100		
53	92.7	73.8	110.6
89	0.0	57.1	85.7#

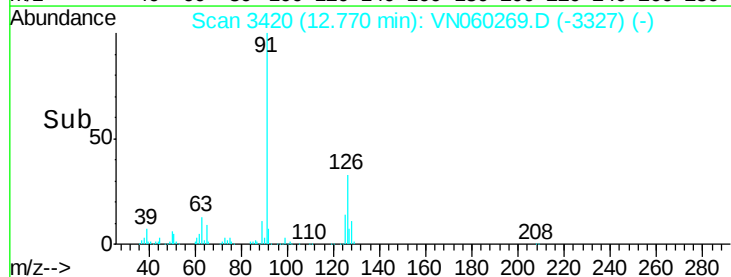
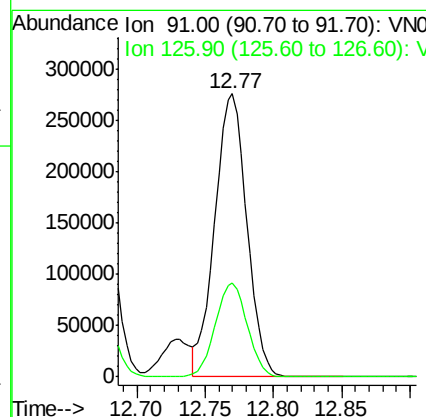
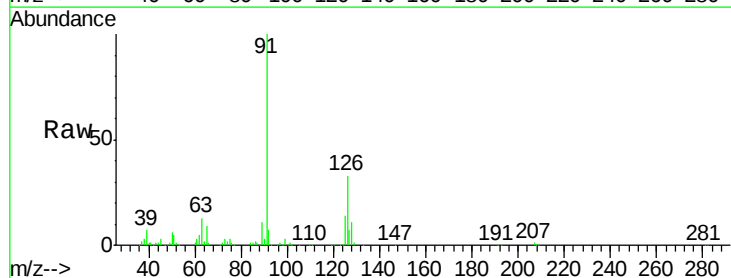
Manual Integrations
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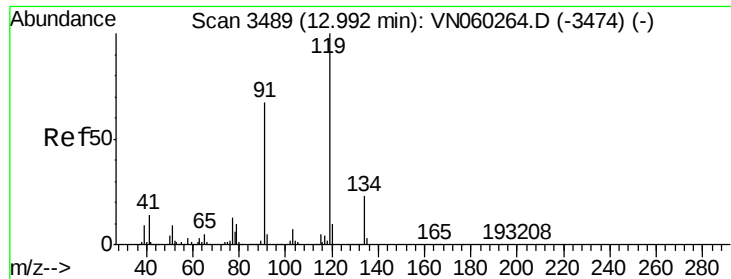
MMDadoda
2/28/2020 12:31:20 PM



#82
4-Chlorotoluene
Concen: 51.620 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN060269.D
Acq: 27 Feb 2020 14:12

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.1	16.7	50.1





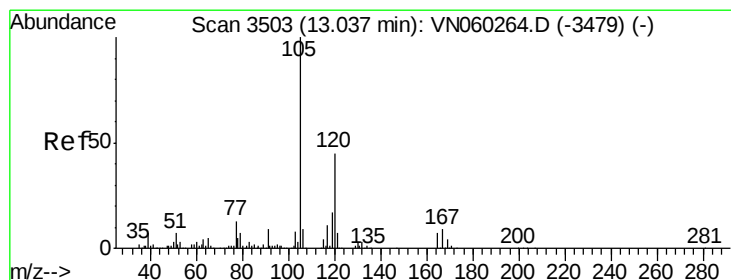
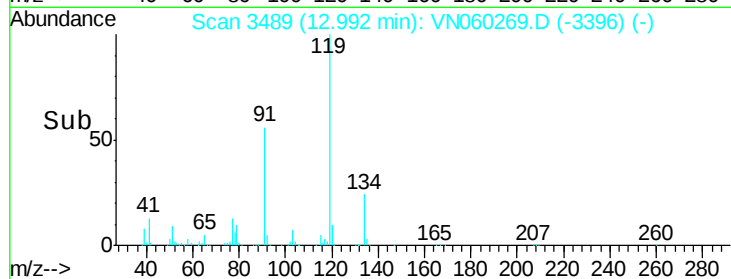
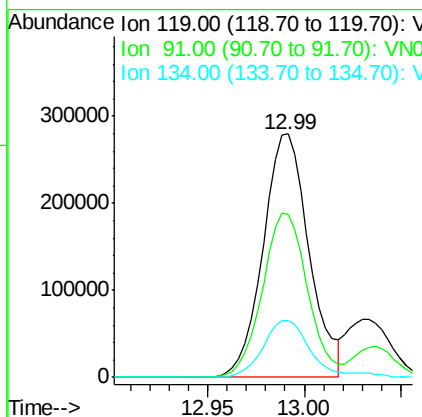
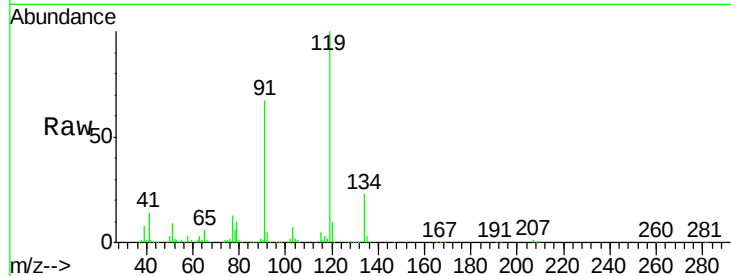
#83
 tert-Butylbenzene
 Concen: 53.024 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN060269.D
 Acq: 27 Feb 2020 14:12

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN022720

Tot Ion	Ratio	Resp	Lower	Upper
119	100	462635		
91	66.0	33.1	99.2	
134	24.7	12.4	37.0	

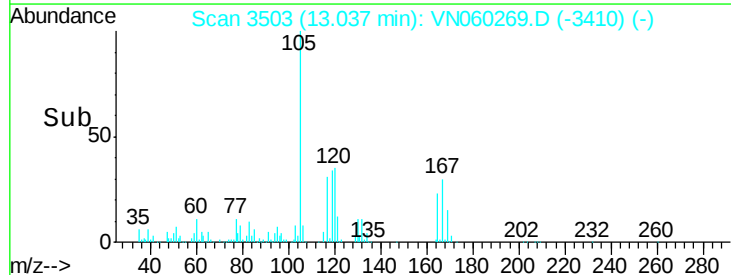
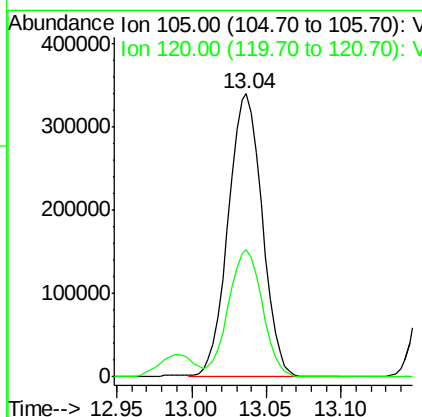
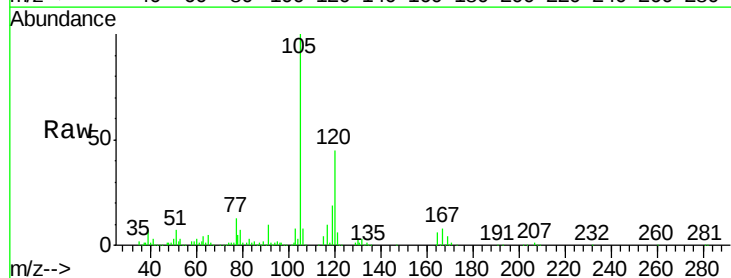
Manual Integrations
 APPROVED

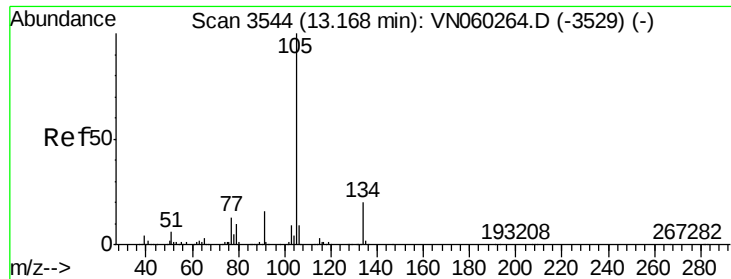
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 52.727 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN060269.D
 Acq: 27 Feb 2020 14:12

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	536319		
120	45.1	22.3	66.9	





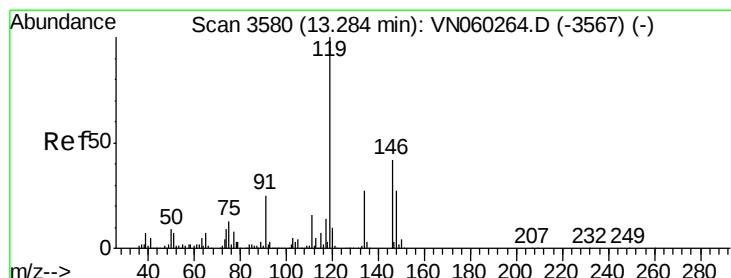
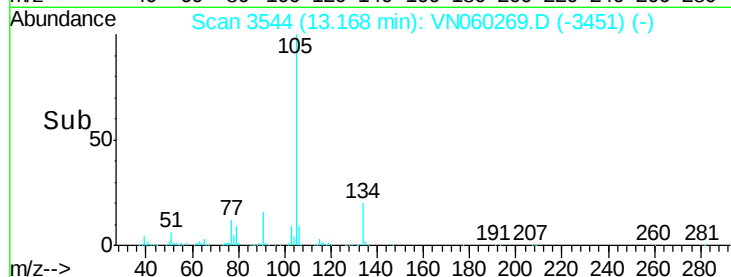
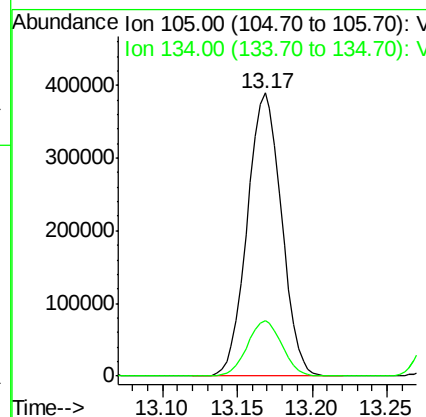
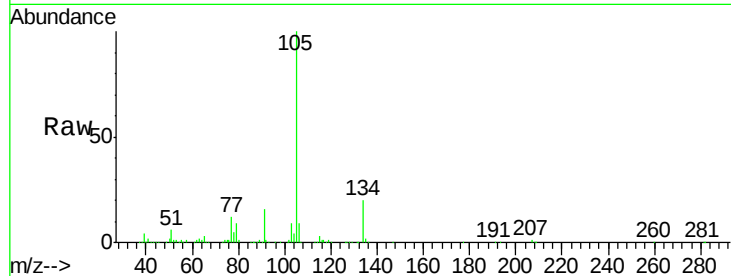
#85
 sec-Butylbenzene
 Concen: 53.153 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN060269.D
 Acq: 27 Feb 2020 14:12

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN022720

Tot Ion	Ratio	Resp	Lower	Upper
105	100	621032		
134	19.7	9.8	29.5	

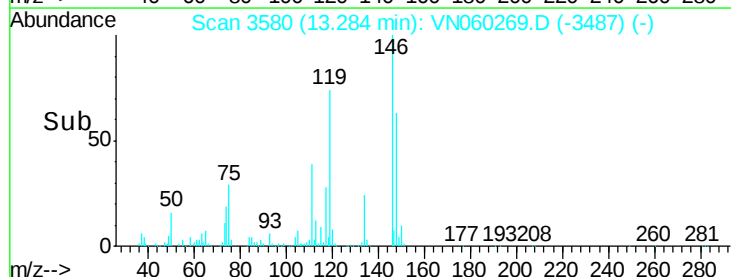
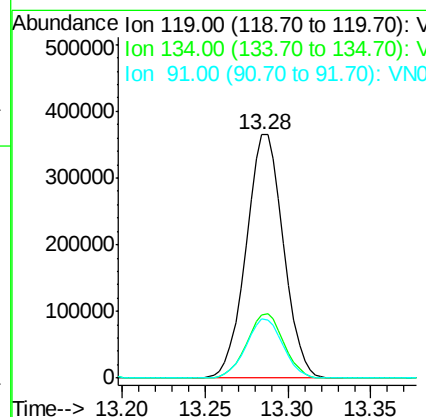
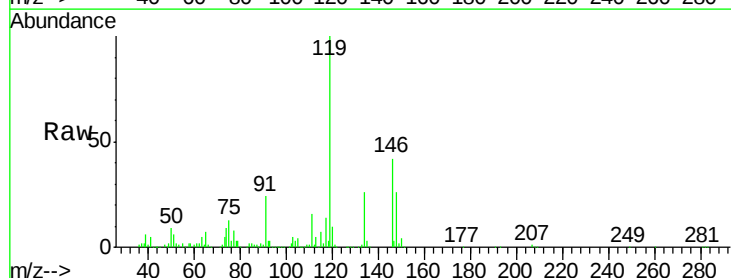
Manual Integrations
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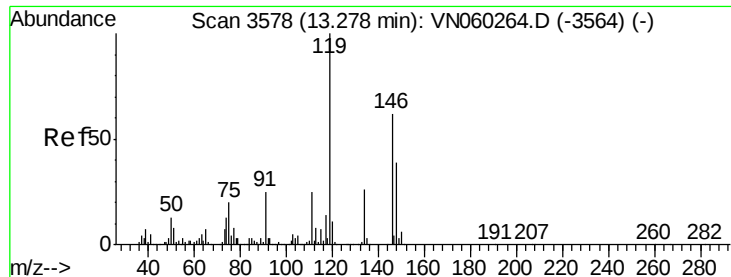
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 2/28/2020 12:31:20 PM



#86
 p-Isopropyltoluene
 Concen: 52.416 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN060269.D
 Acq: 27 Feb 2020 14:12

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	566834		
134	26.5	13.2	39.6	
91	24.2	12.2	36.6	





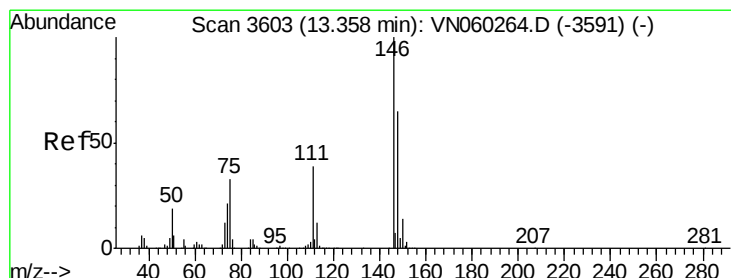
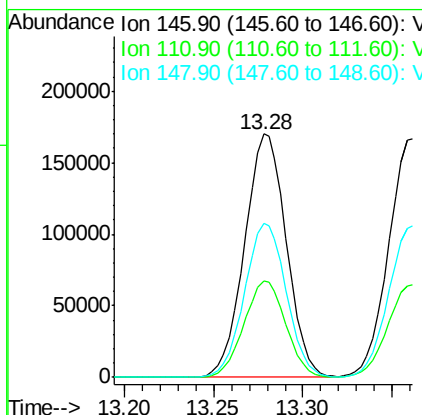
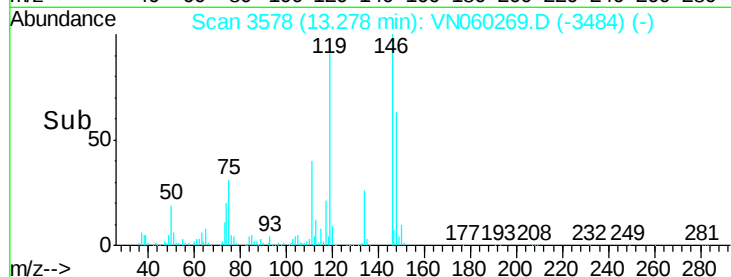
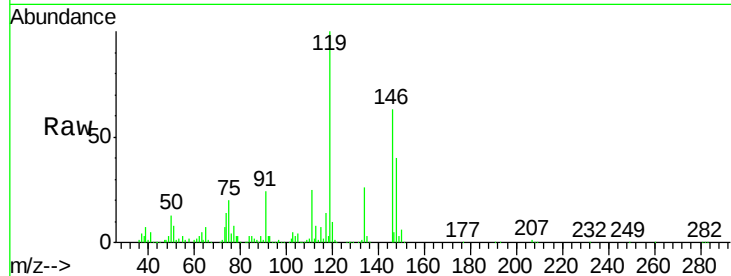
#87
 1,3-Dichlorobenzene
 Concen: 55.290 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. 0.00 min
 Lab File: VN060269.D
 Acq: 27 Feb 2020 14:12

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN022720

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	20.0	59.9
148	63.2	32.1	96.3

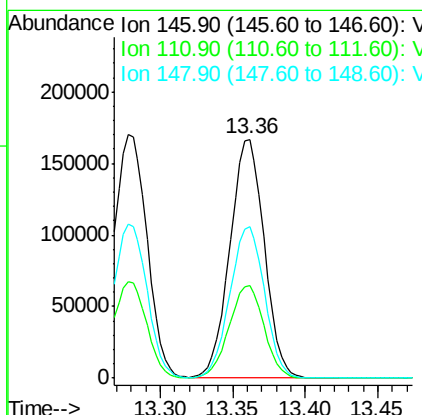
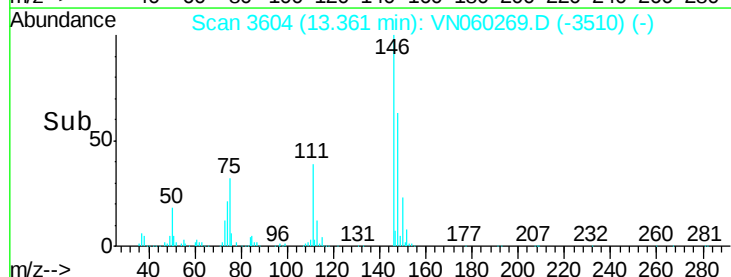
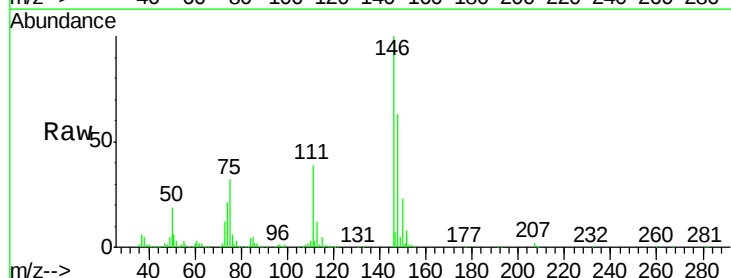
Manual Integrations
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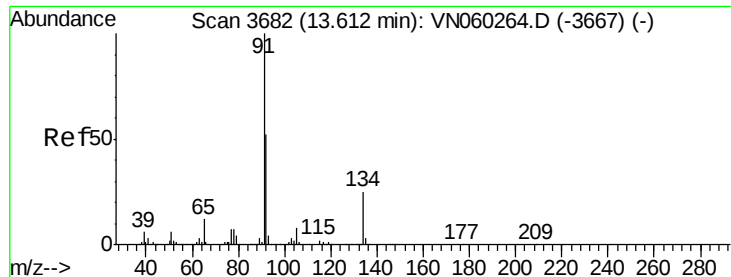
MMDadoda
 2/28/2020 12:31:20 PM



#88
 1,4-Dichlorobenzene
 Concen: 54.832 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN060269.D
 Acq: 27 Feb 2020 14:12

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.8	59.4
148	64.0	32.3	96.9





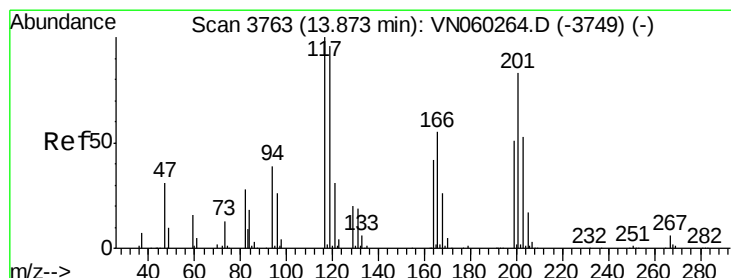
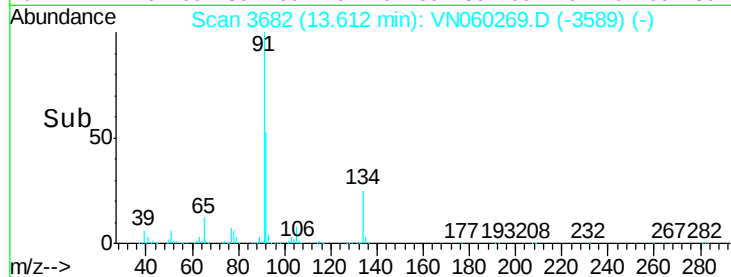
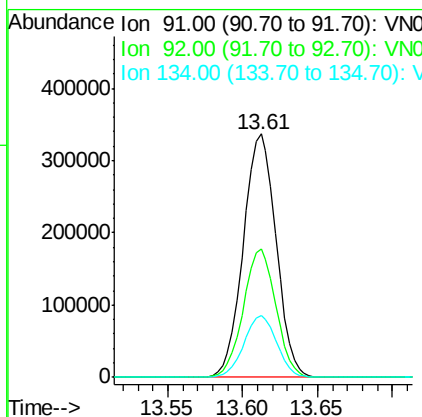
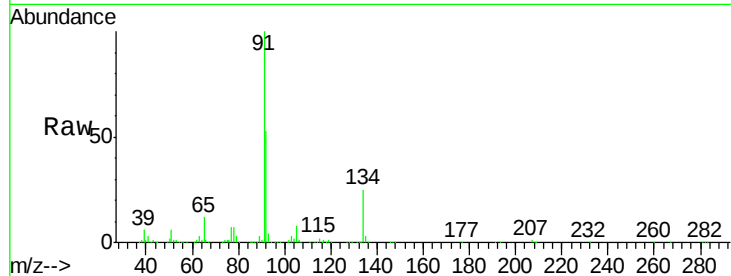
#89
n-Butylbenzene
Concen: 51.839 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN060269.D
Acq: 27 Feb 2020 14:12

Instrument :
MSVOA_N
ClientSampleId :
ICVVN022720

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.0	78.0
134	25.4	12.7	38.1

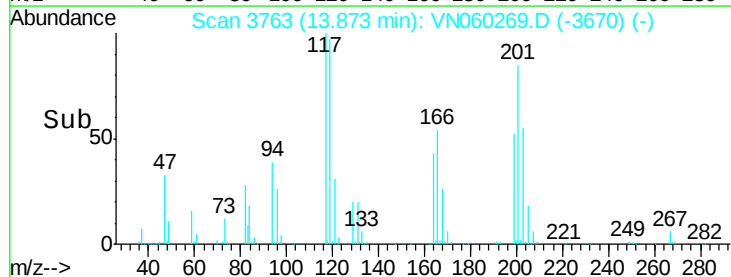
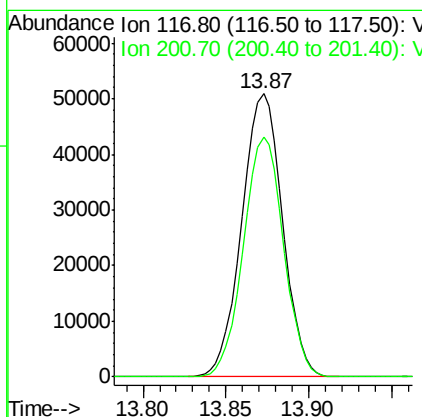
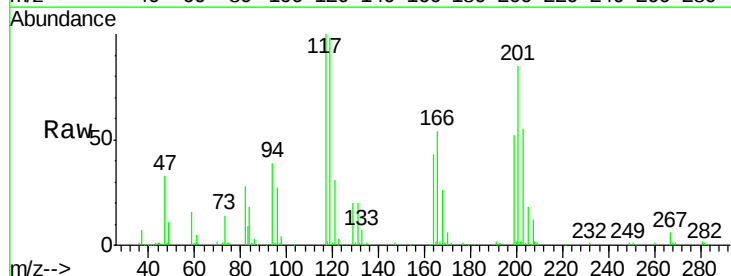
Manual Integrations
APPROVED

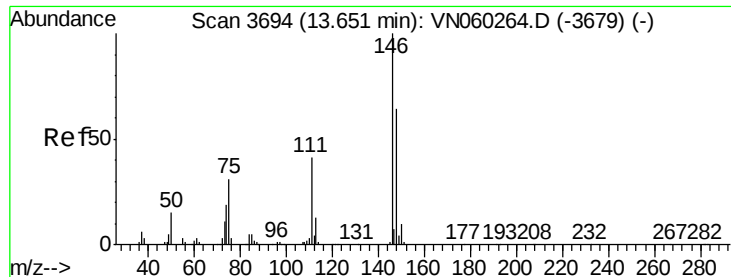
MMDadoda
2/28/2020 12:31:20 PM



#90
Hexachloroethane
Concen: 55.625 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN060269.D
Acq: 27 Feb 2020 14:12

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.2	41.0	123.0





#91

1,2-Dichlorobenzene

Concen: 51.220 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN060269.D

Acq: 27 Feb 2020 14:12

Instrument :

MSVOA_N

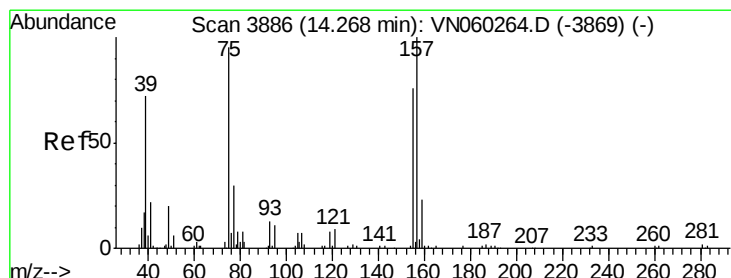
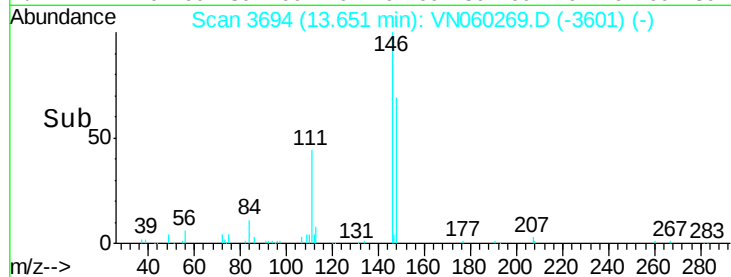
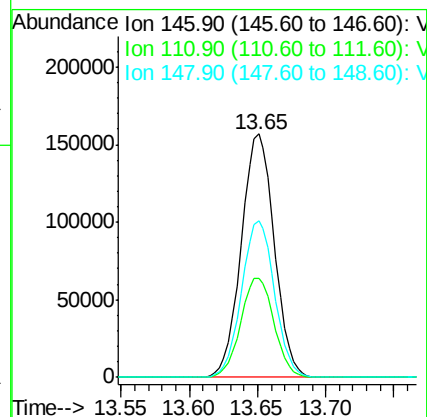
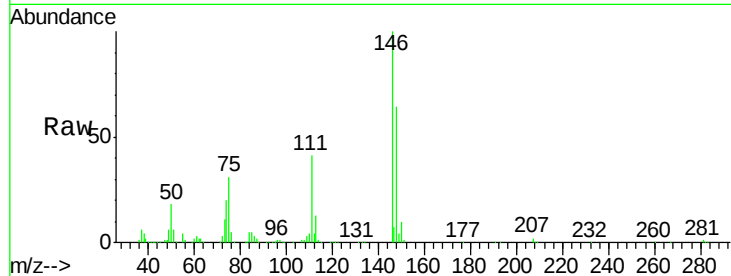
ClientSampleId :

ICVVN022720

Tot Ion:	146	Resp:	263324
Ion Ratio		Lower	Upper
146	100		
111	41.1	20.3	61.0
148	64.1	31.8	95.3

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#92

1,2-Dibromo-3-Chloropropane

Concen: 49.092 ug/l

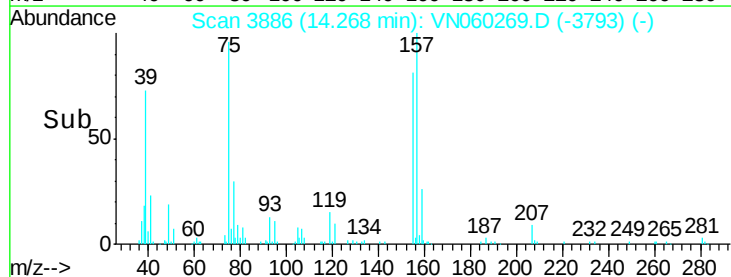
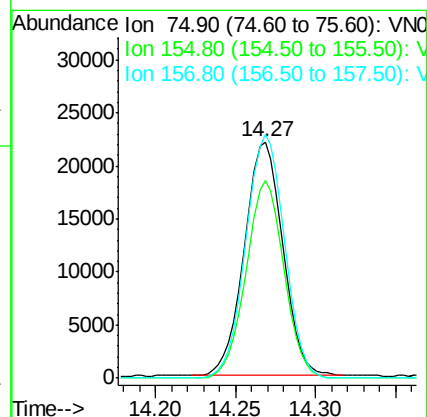
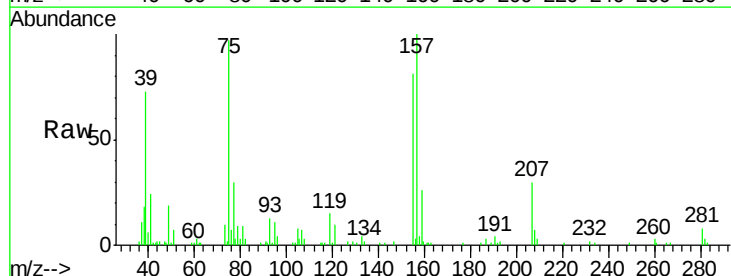
RT: 14.27 min Scan# 3886

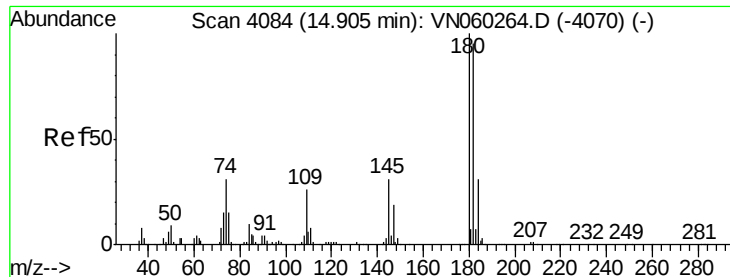
Delta R.T. 0.00 min

Lab File: VN060269.D

Acq: 27 Feb 2020 14:12

Tgt Ion:	75	Resp:	36170
Ion Ratio		Lower	Upper
75	100		
155	82.8	40.4	121.2
157	104.5	52.5	157.5





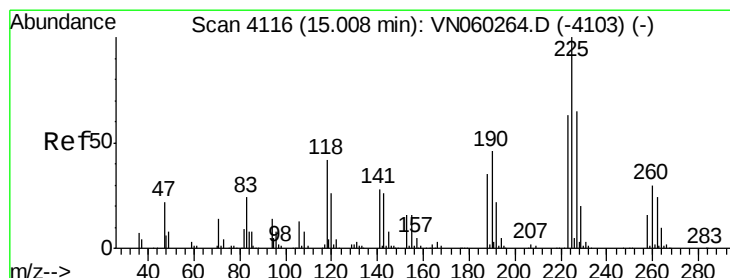
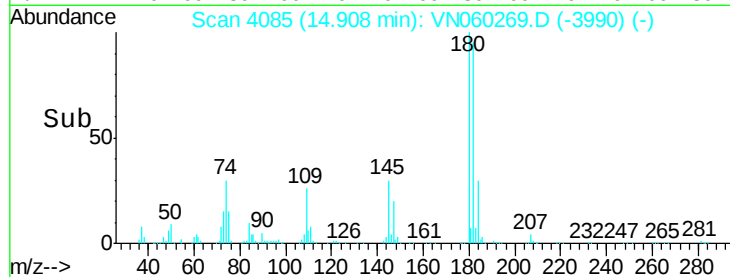
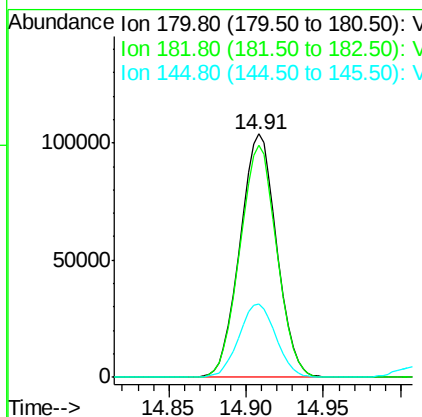
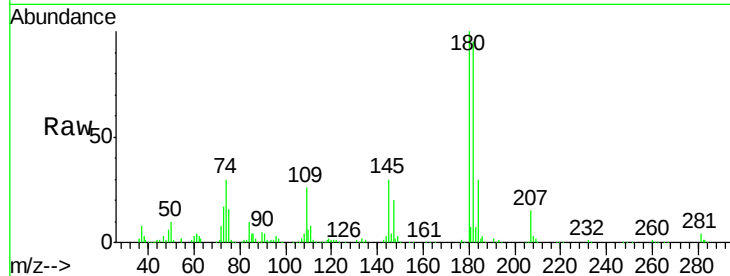
#93
 1,2,4-Trichlorobenzene
 Concen: 52.349 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN060269.D
 Acq: 27 Feb 2020 14:12

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN022720

Tot Ion	Ratio	Resp	Lower	Upper
180	100	171020		
182	95.7	47.8	143.3	
145	30.4	15.4	46.1	

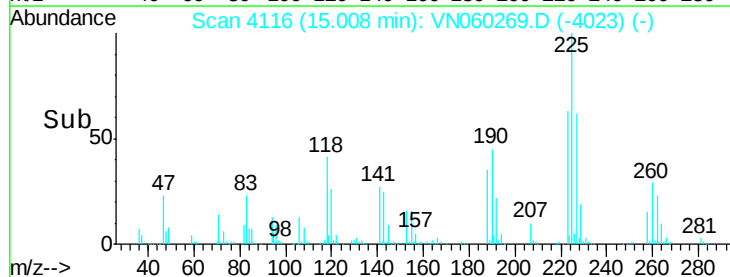
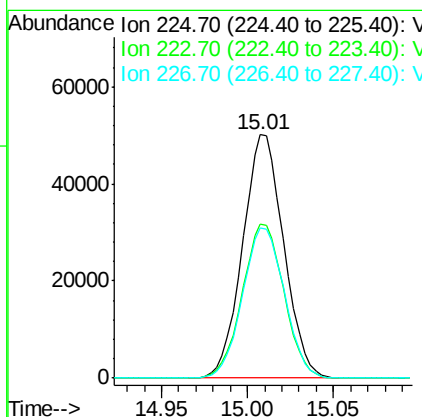
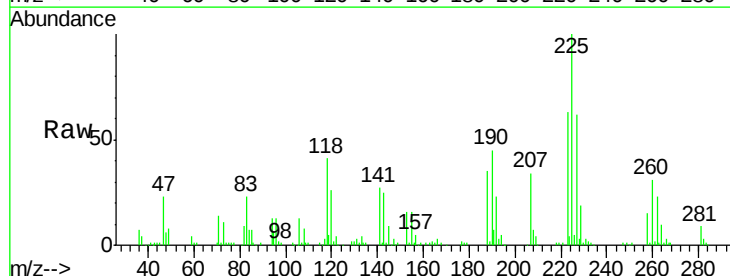
Manual Integrations
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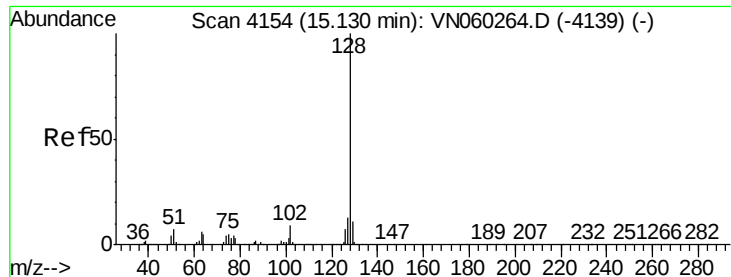
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#94
 Hexachlorobutadiene
 Concen: 55.246 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060269.D
 Acq: 27 Feb 2020 14:12

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	82869		
223	64.1	31.3	93.9	
227	62.9	32.3	96.9	





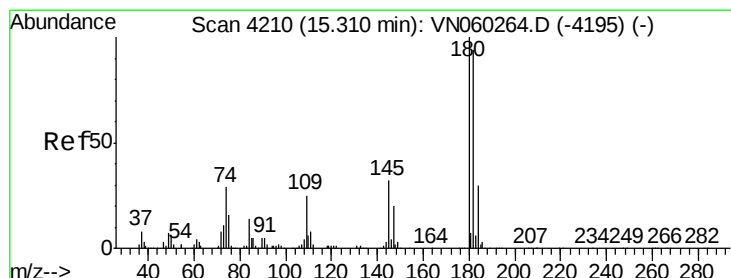
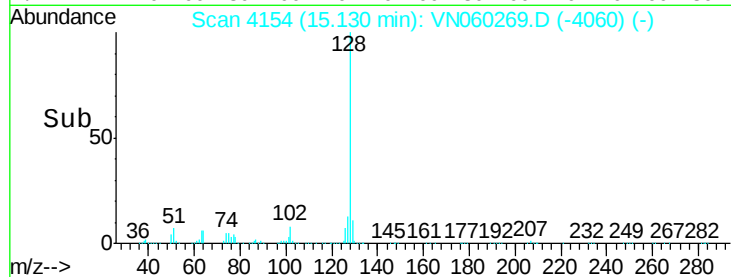
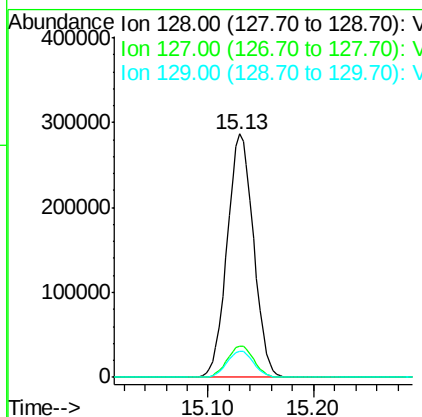
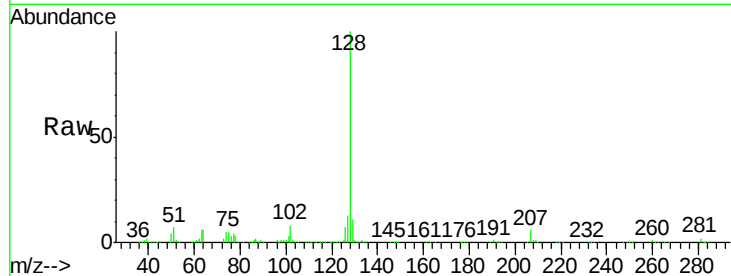
#95
Naphthalene
Concen: 51.372 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060269.D
Acq: 27 Feb 2020 14:12

Instrument :
MSVOA_N
ClientSampleId :
ICVVN022720

Tot Ion	Ratio	Resp	Lower	Upper
128	100	494220		
127	13.0		10.4	15.6
129	10.9		8.6	13.0

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 52.367 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN060269.D
Acq: 27 Feb 2020 14:12

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	161080		
182	94.6		47.3	142.0
145	32.6		16.2	48.5

