

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031820\
 Data File : VN060576.D
 Acq On : 18 Mar 2020 00:06
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

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 3/19/2020 1:32:16 PM

Quant Time: Mar 18 09:01:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	210175	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	353870	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	322847	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	152460	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	137795	47.76	ug/l	0.00
Spiked Amount						
			Recovery	=	95.52%	
35) Dibromofluoromethane	7.56	113	101708	47.53	ug/l	0.00
Spiked Amount						
			Recovery	=	95.06%	
50) Toluene-d8	10.08	98	417047	47.72	ug/l	0.00
Spiked Amount						
			Recovery	=	95.44%	
62) 4-Bromofluorobenzene	12.39	95	150995	47.14	ug/l	0.00
Spiked Amount						
			Recovery	=	94.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	102810	50.555	ug/l	100
3) Chloromethane	2.03	50	177413	46.710	ug/l	99
4) Vinyl Chloride	2.16	62	144877	48.768	ug/l	98
5) Bromomethane	2.54	94	61458	47.923	ug/l	99
6) Chloroethane	2.68	64	83772	48.952	ug/l	99
7) Trichlorofluoromethane	3.00	101	182094	49.759	ug/l	98
8) Diethyl Ether	3.38	74	73503	49.998	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	104372	49.220	ug/l	99
10) Methyl Iodide	3.93	142	103028	54.602	ug/l	100
11) Tert butyl alcohol	4.73	59	100861	237.697	ug/l	100
12) 1,1-Dichloroethene	3.72	96	109613	48.170	ug/l	97
13) Acrolein	3.57	56	111208	236.473	ug/l	98
14) Allyl chloride	4.29	41	186613	46.628	ug/l	100
15) Acrylonitrile	4.94	53	309678	248.186	ug/l	100
16) Acetone	3.78	43	245825	240.532	ug/l	99
17) Carbon Disulfide	4.03	76	340260	49.166	ug/l	100
18) Methyl Acetate	4.28	43	138805	48.252	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	377137	48.205	ug/l	99
20) Methylene Chloride	4.52	84	122329	48.657	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	117998	48.654	ug/l	96
22) Diisopropyl ether	5.91	45	419373	49.598	ug/l	99
23) Vinyl Acetate	5.86	43	1747458	253.296	ug/l	100
24) 1,1-Dichloroethane	5.82	63	230510	50.008	ug/l	99
25) 2-Butanone	6.80	43	409454	247.587	ug/l	99
26) 2,2-Dichloropropane	6.79	77	156854	43.250	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	134723	48.884	ug/l	100
28) Bromochloromethane	7.17	49	108007	48.975	ug/l	99
29) Tetrahydrofuran	7.18	42	282915	241.784	ug/l	99
30) Chloroform	7.35	83	217193	49.151	ug/l	100
31) Cyclohexane	7.63	56	218162	46.947	ug/l	99
32) 1,1,1-Trichloroethane	7.54	97	189210	49.669	ug/l	99
36) 1,1-Dichloropropene	7.77	75	172565	50.361	ug/l	99
37) Ethyl Acetate	6.90	43	178567	48.229	ug/l	99
38) Carbon Tetrachloride	7.75	117	153947	50.128	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	200410	49.216	ug/l	99
40) Benzene	8.02	78	511141	49.415	ug/l	99
41) Methacrylonitrile	7.15	41	77569m	49.091	ug/l	
42) 1,2-Dichloroethane	8.10	62	175645	49.687	ug/l	99
43) Isopropyl Acetate	8.14	43	303105	49.640	ug/l	100
44) Trichloroethene	8.82	130	130347	49.988	ug/l	98
45) 1,2-Dichloropropane	9.10	63	137069	50.219	ug/l	100
46) Dibromomethane	9.19	93	83427	50.559	ug/l	100
47) Bromodichloromethane	9.39	83	173046	50.466	ug/l	99
48) Methyl methacrylate	9.18	41	134692	49.545	ug/l	99
49) 1,4-Dioxane	9.18	88	33605	1039.958	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	878378	252.797	ug/l	100
52) Toluene	10.14	92	312358	50.001	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	196171	49.806	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	212050	49.074	ug/l	100
55) 1,1,2-Trichloroethane	10.55	97	119941	49.906	ug/l	99
56) Ethyl methacrylate	10.42	69	195257	52.106	ug/l	100
57) 1,3-Dichloropropane	10.70	76	209212	50.165	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	494136	265.312	ug/l	100
59) 2-Hexanone	10.74	43	634895	253.658	ug/l	100
60) Dibromochloromethane	10.89	129	125986	50.749	ug/l	99
61) 1,2-Dibromoethane	10.99	107	124253	51.415	ug/l	99
64) Tetrachloroethene	10.62	164	126323	49.723	ug/l	99
65) Chlorobenzene	11.43	112	317135	49.551	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	116150	50.124	ug/l	99
67) Ethyl Benzene	11.50	91	598904	50.319	ug/l	99
68) m/p-Xylenes	11.61	106	445710	100.774	ug/l	100
69) o-Xylene	11.94	106	211775	50.158	ug/l	99
70) Styrene	11.96	104	353756	51.230	ug/l	100
71) Bromoform	12.12	173	90480	47.081	ug/l #	100
73) Isopropylbenzene	12.24	105	572497	50.037	ug/l	99
74) N-amyl acetate	12.06	43	264173	49.967	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	168420	48.676	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	167083m	50.789	ug/l	
77) Bromobenzene	12.52	156	135692	49.217	ug/l	98
78) n-propylbenzene	12.59	91	670786	49.624	ug/l	99
79) 2-Chlorotoluene	12.67	91	392188	48.558	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	480530	49.490	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	60845	47.501	ug/l	98
82) 4-Chlorotoluene	12.77	91	405517	49.297	ug/l	100
83) tert-Butylbenzene	12.99	119	398243	49.478	ug/l	100
84) 1,2,4-Trimethylbenzene	13.03	105	478486	49.812	ug/l	100
85) sec-Butylbenzene	13.17	105	541080	49.991	ug/l	100
86) p-Isopropyltoluene	13.28	119	481312	49.453	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	239895	49.335	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	238613	48.842	ug/l	99
89) n-Butylbenzene	13.61	91	436492	49.673	ug/l	100
90) Hexachloroethane	13.87	117	72958	51.570	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	229749	49.413	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	34458	47.534	ug/l	99

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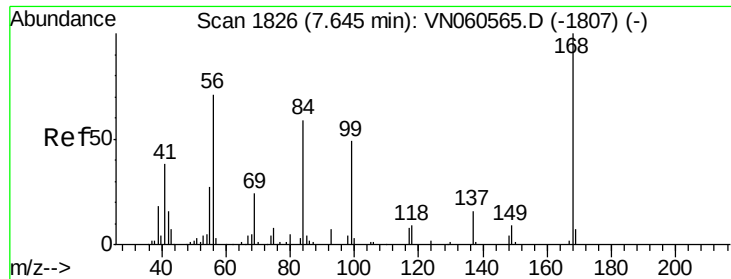
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	141620	49.600	ug/l	99
94) Hexachlorobutadiene	15.00	225	65802	47.011	ug/l	99
95) Naphthalene	15.13	128	426066	49.612	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	137010	48.717	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

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ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 210175

Ion Ratio Lower Upper

168 100

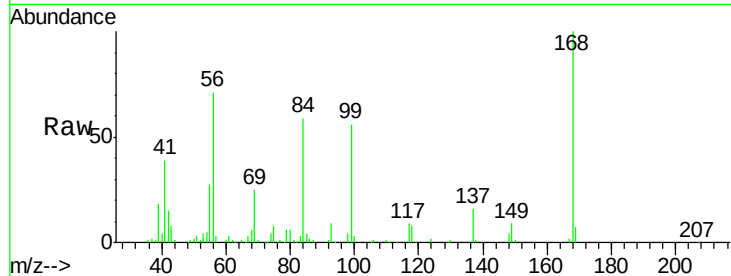
99 56.0 44.0 66.0

Manual Integrations

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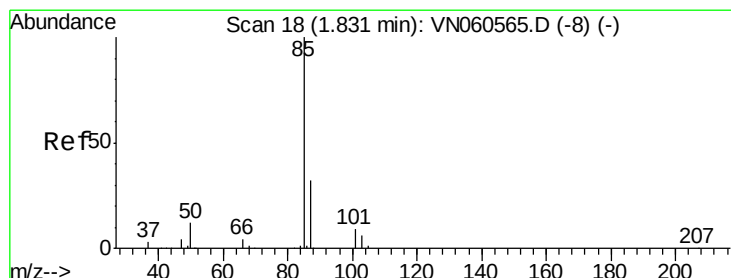
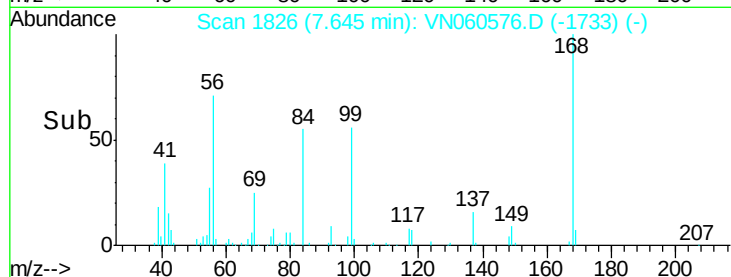
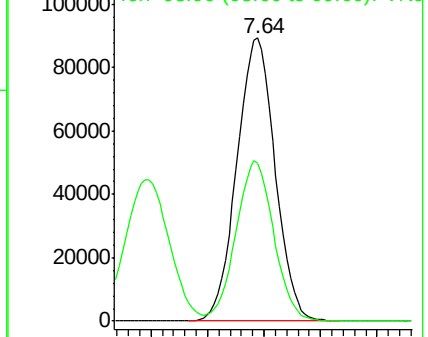
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 50.555 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060576.D

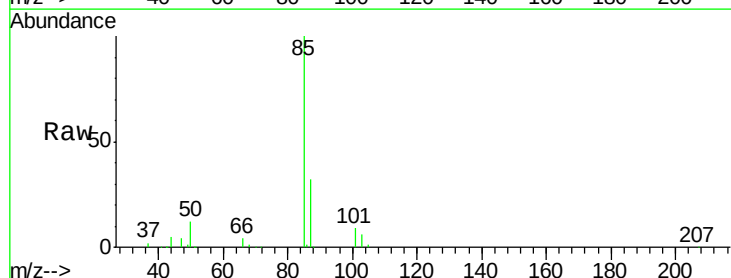
Acq: 18 Mar 2020 00:06

Tgt Ion: 85 Resp: 102810

Ion Ratio Lower Upper

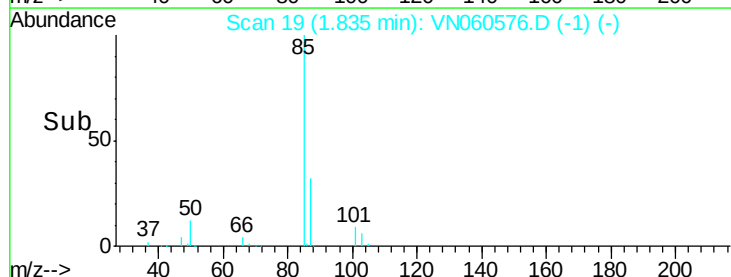
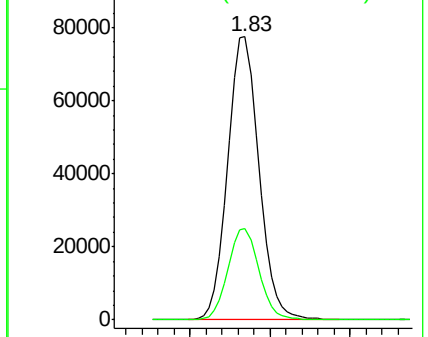
85 100

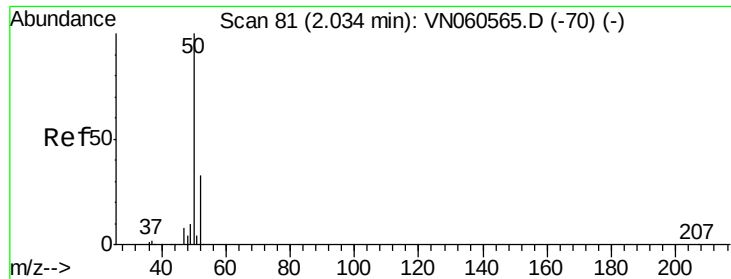
87 32.4 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 46.710 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN060576.D

Acq: 18 Mar 2020 00:06

Instrument :

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VSTDCCC050EC

Tot Ion: 50 Resp: 177413

Ion Ratio Lower Upper

50 100

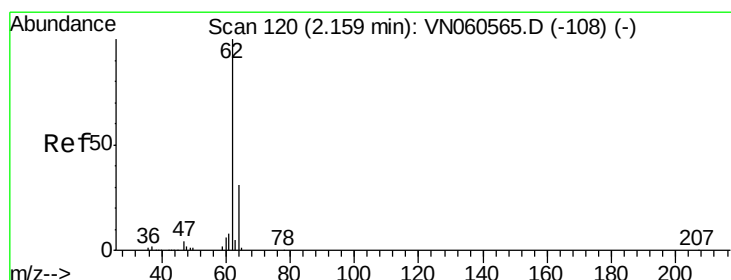
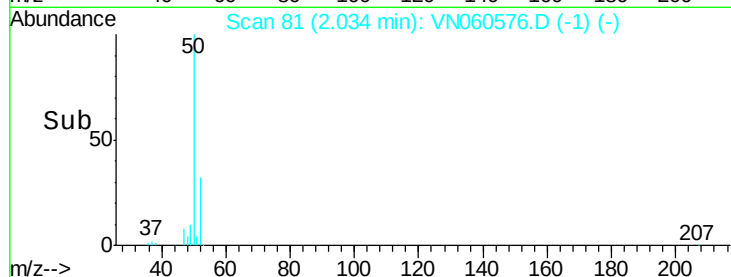
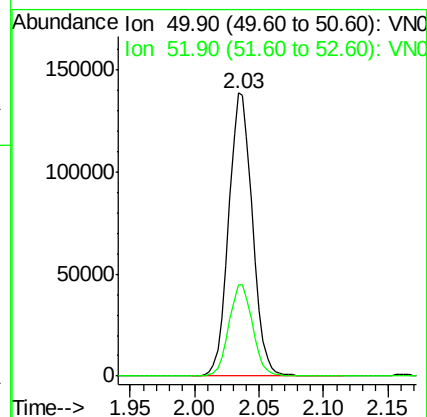
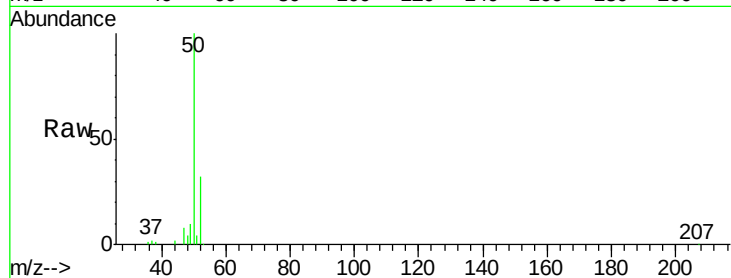
52 32.3 26.2 39.2

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#4

Vinyl Chloride

Concen: 48.768 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN060576.D

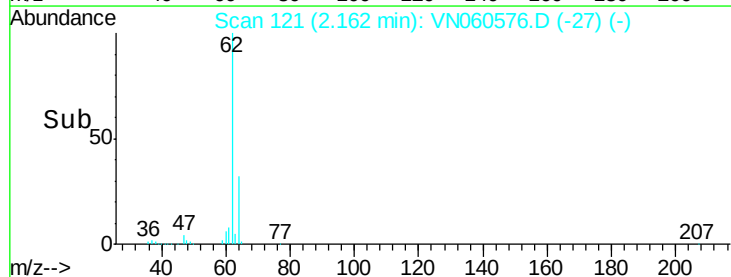
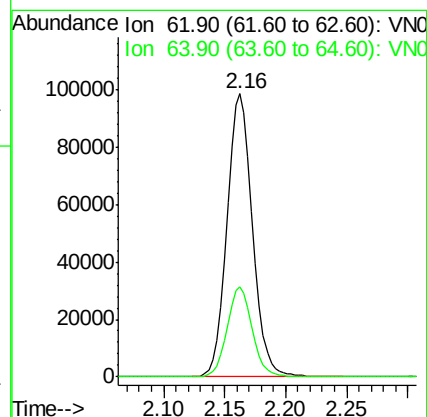
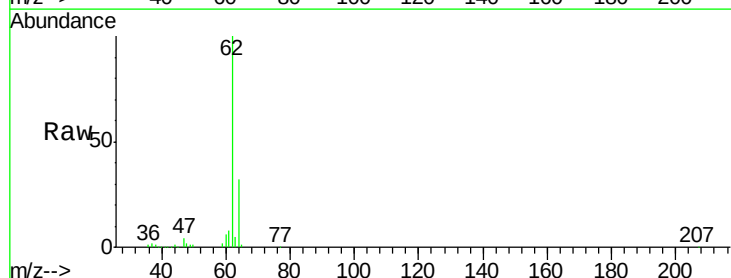
Acq: 18 Mar 2020 00:06

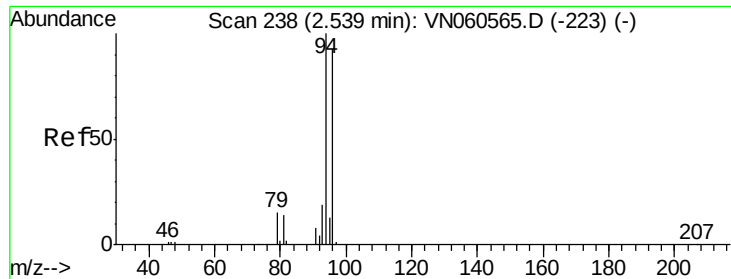
Tgt Ion: 62 Resp: 144877

Ion Ratio Lower Upper

62 100

64 31.7 24.7 37.1





#5

Bromomethane

Concen: 47.923 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.00 min

Lab File: VN060576.D

Acq: 18 Mar 2020 00:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 61458

Ion Ratio Lower Upper

94 100

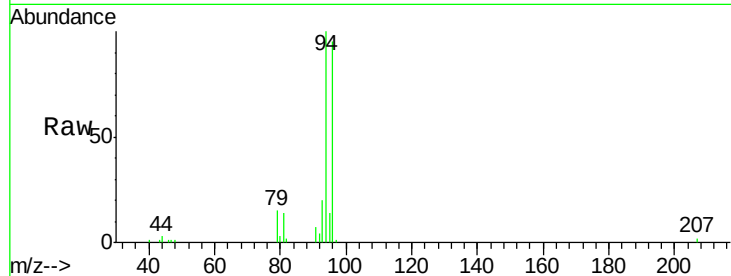
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Manual Integrations

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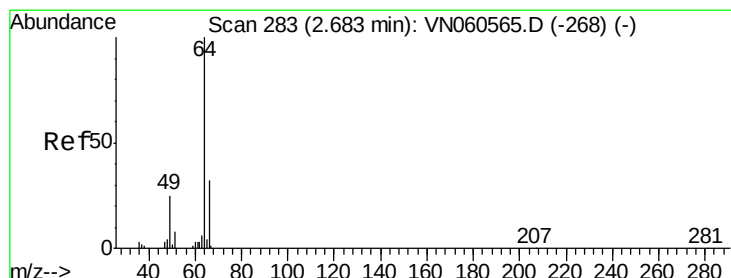
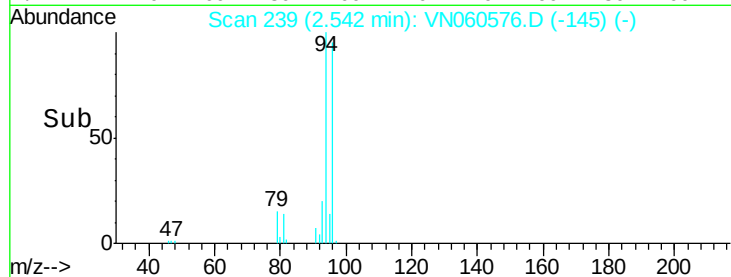
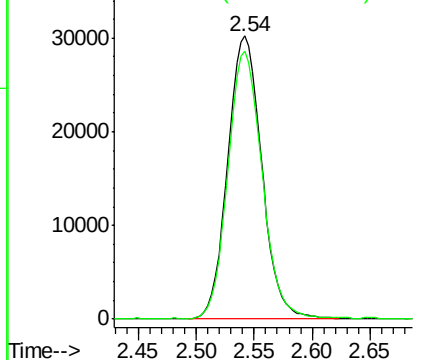
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 48.952 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.00 min

Lab File: VN060576.D

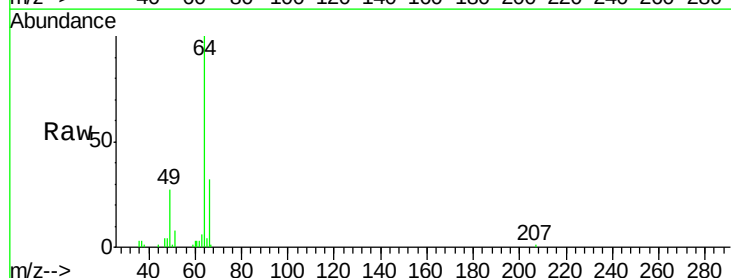
Acq: 18 Mar 2020 00:06

Tgt Ion: 64 Resp: 83772

Ion Ratio Lower Upper

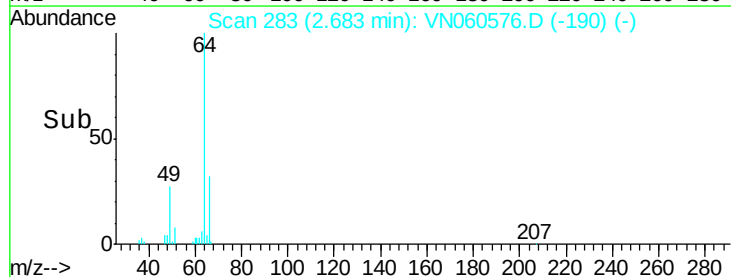
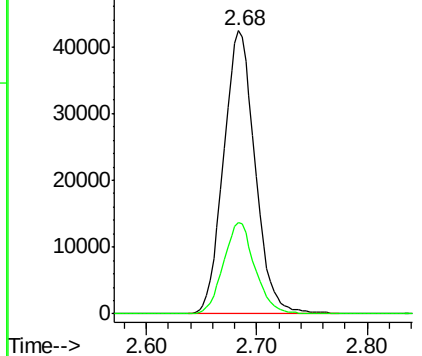
64 100

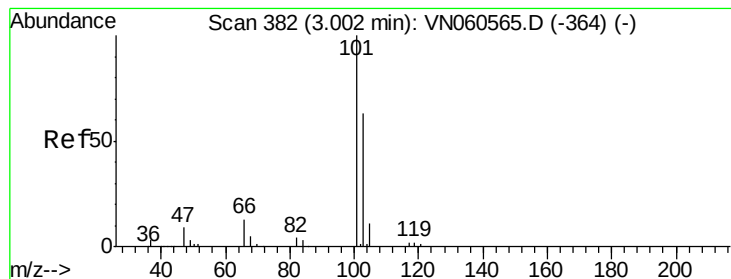
66 32.3 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





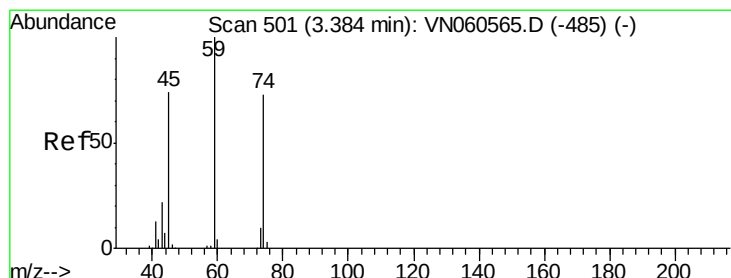
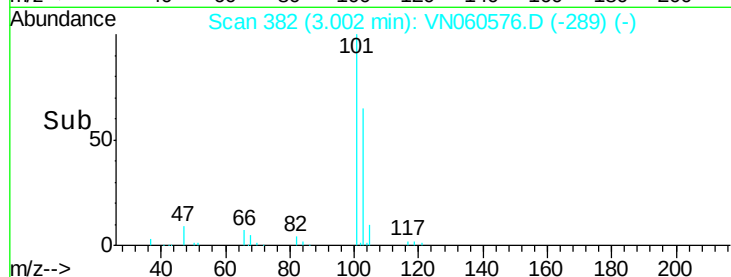
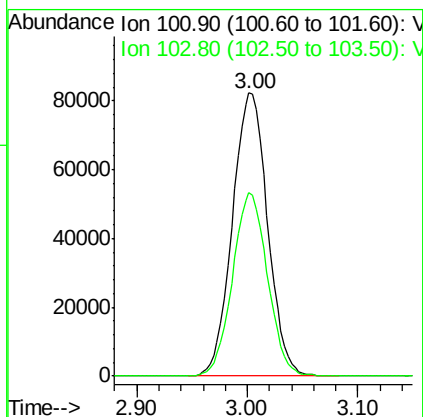
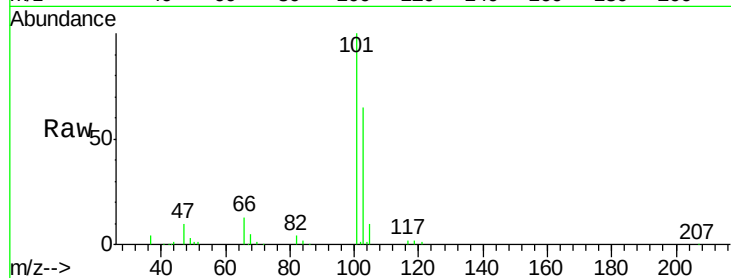
#7
 Trichlorofluoromethane
 Concen: 49.759 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. -0.00 min
 Lab File: VN060576.D
 Acq: 18 Mar 2020 00:06

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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.0	50.6	76.0

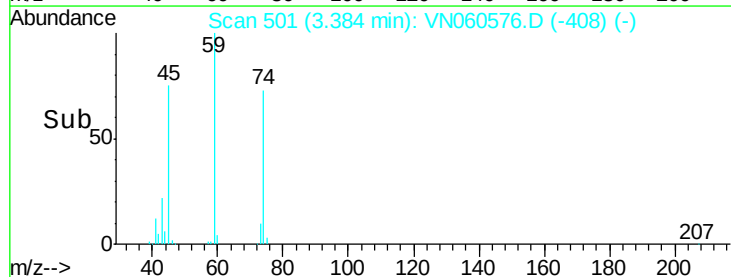
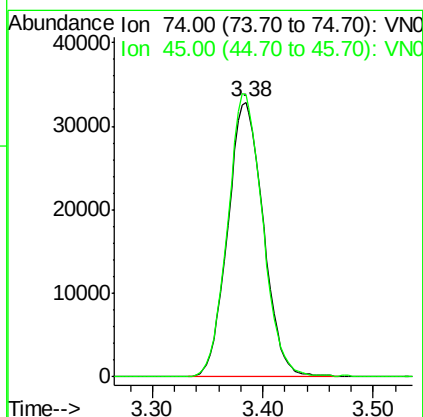
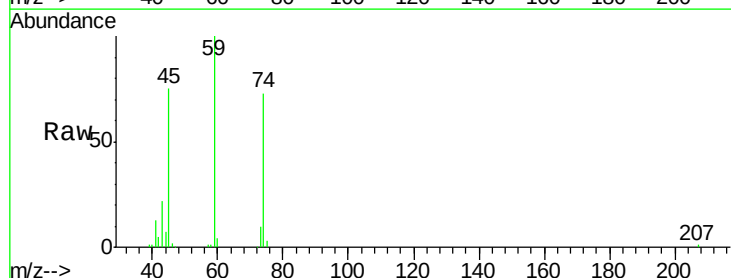
Manual Integrations
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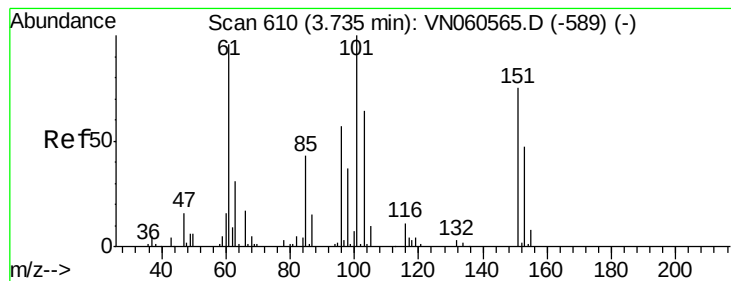
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#8
 Diethyl Ether
 Concen: 49.998 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. -0.00 min
 Lab File: VN060576.D
 Acq: 18 Mar 2020 00:06

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.5	51.3	153.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.220 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN060576.D

Acq: 18 Mar 2020 00:06

Instrument :

MSVOA_N

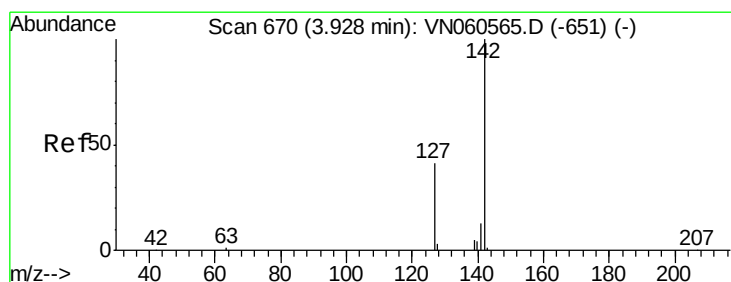
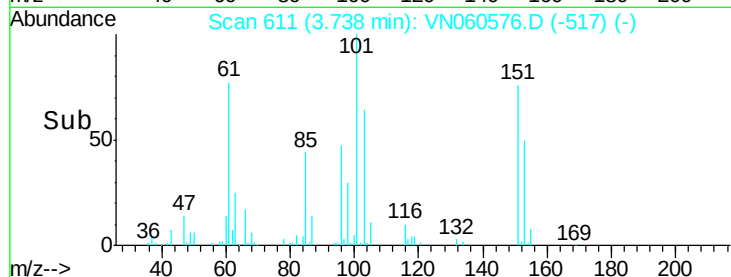
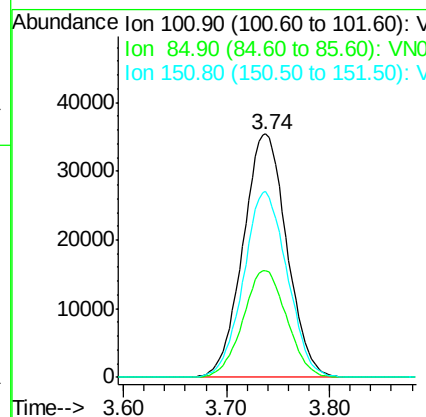
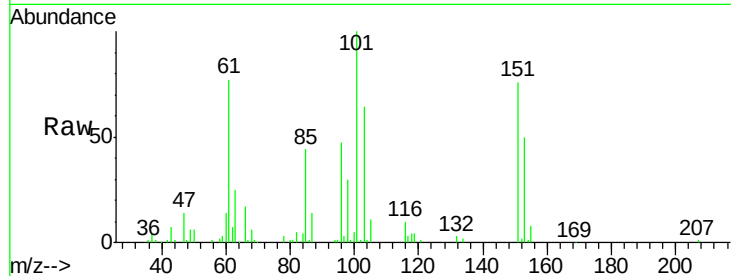
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	104372
Ion Ratio	Lower	Upper	
101	100		
85	43.9	35.6	53.4
151	76.2	61.4	92.2

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#10

Methyl Iodide

Concen: 54.602 ug/l

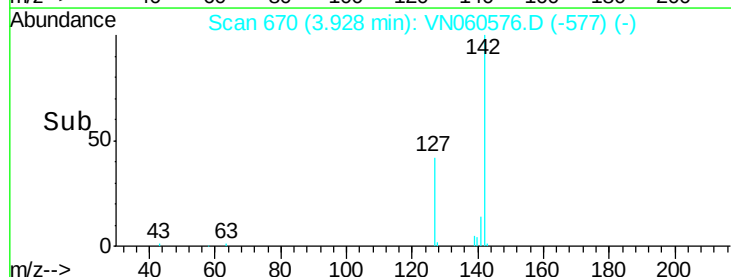
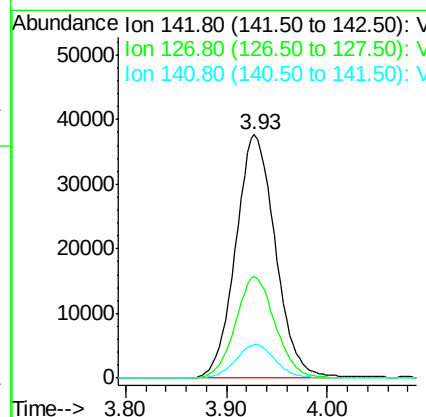
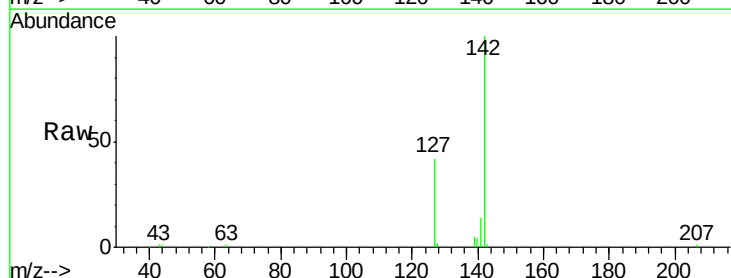
RT: 3.93 min Scan# 670

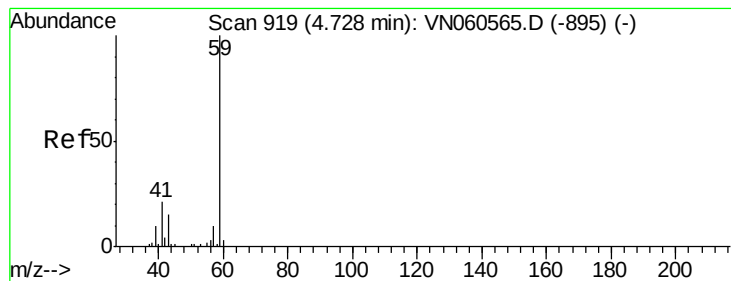
Delta R.T. 0.00 min

Lab File: VN060576.D

Acq: 18 Mar 2020 00:06

Tgt Ion:	142	Resp:	103028
Ion Ratio	Lower	Upper	
142	100		
127	41.6	33.5	50.3
141	13.7	11.0	16.6





#11

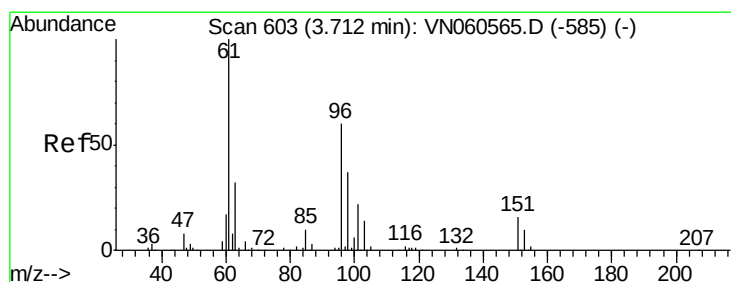
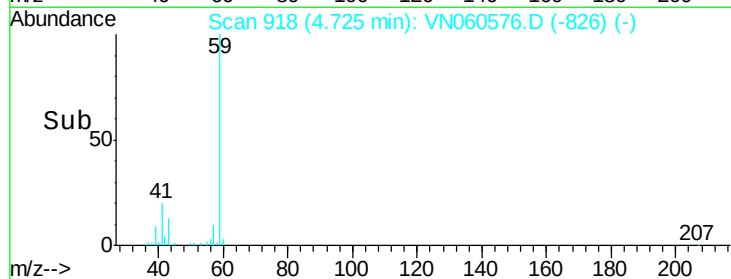
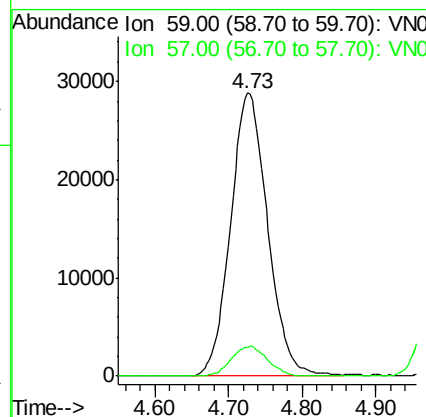
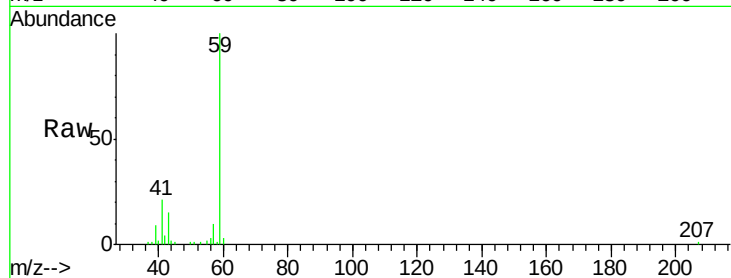
Tert butyl alcohol
 Concen: 237.697 ug/l
 RT: 4.73 min Scan# 918
 Delta R.T. -0.00 min
 Lab File: VN060576.D
 Acq: 18 Mar 2020 00:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.2	12.4

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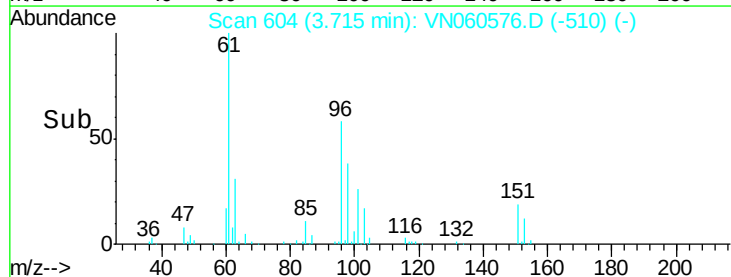
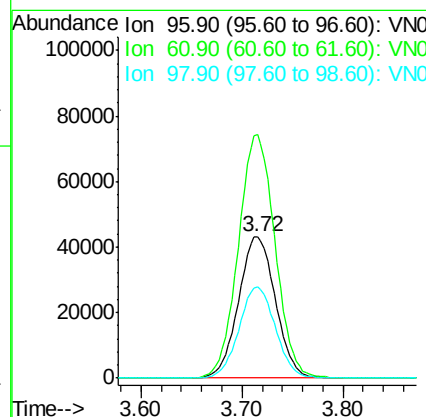
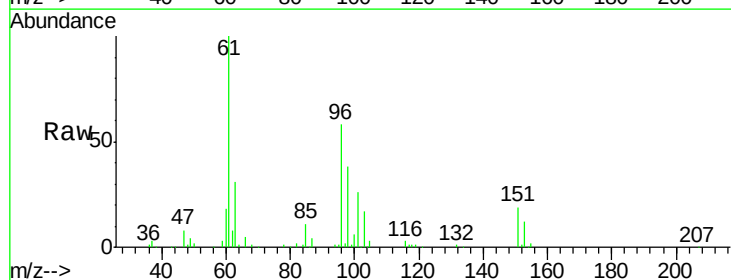
MMDadoda
 3/19/2020 1:32:16 PM

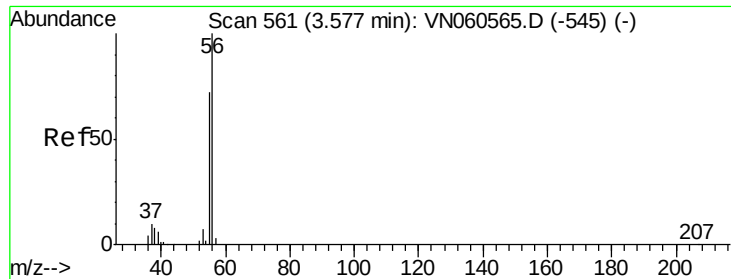


#12

1,1-Dichloroethene
 Concen: 48.170 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN060576.D
 Acq: 18 Mar 2020 00:06

Tgt Ion	Ratio	Lower	Upper
96	100		
61	171.8	134.1	201.1
98	64.5	49.9	74.9





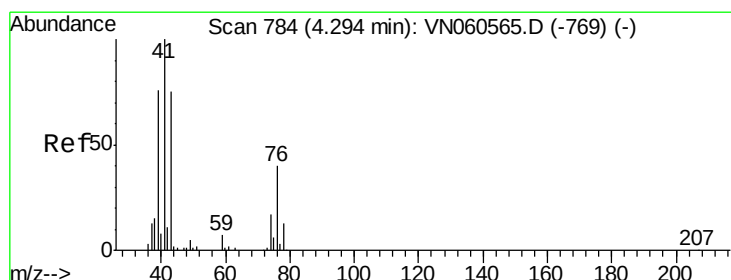
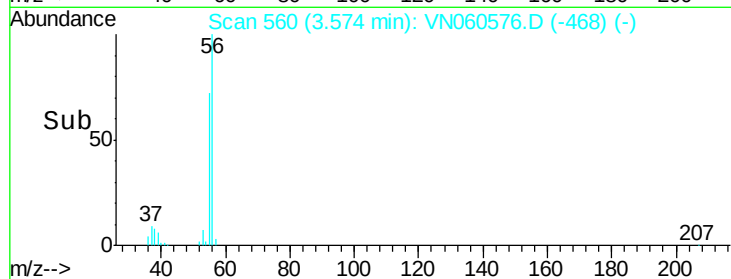
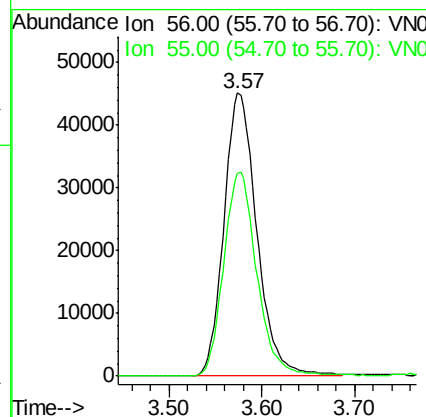
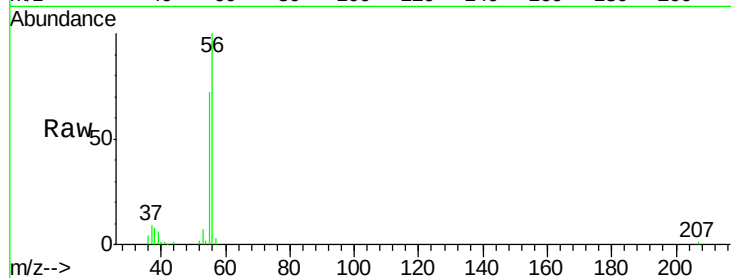
#13
Acrolein
Concen: 236.473 ug/l
RT: 3.57 min Scan# 560
Delta R.T. -0.00 min
Lab File: VN060576.D
Acq: 18 Mar 2020 00:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	56	Resp	111208
Ion Ratio	100	Lower	Upper
56	100		
55	72.3	56.7	85.1

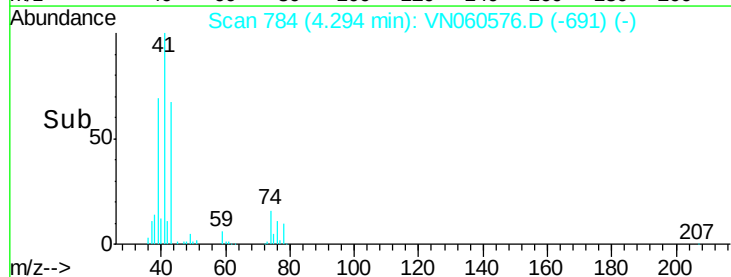
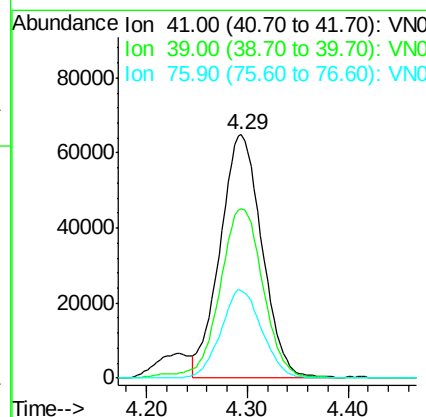
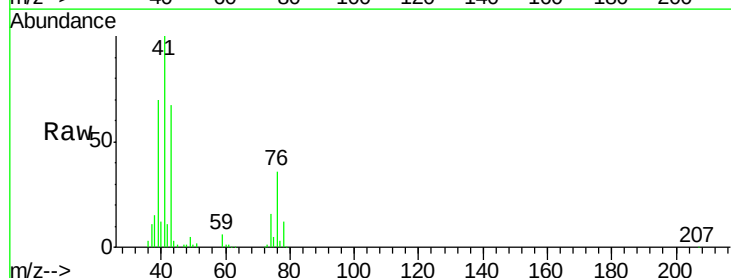
Manual Integrations
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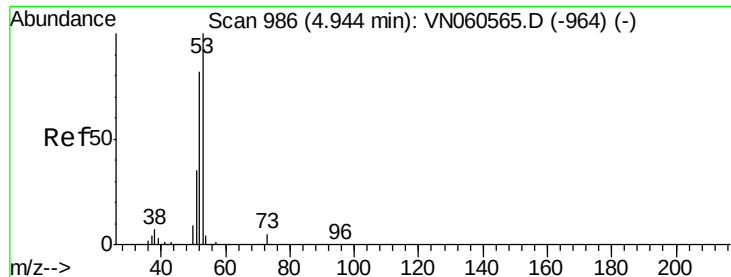
MMDadoda
3/19/2020 1:32:16 PM



#14
Allyl chloride
Concen: 46.628 ug/l
RT: 4.29 min Scan# 784
Delta R.T. -0.00 min
Lab File: VN060576.D
Acq: 18 Mar 2020 00:06

Tgt Ion	41	Resp	186613
Ion Ratio	100	Lower	Upper
41	100		
39	72.4	57.8	86.8
76	35.7	28.6	43.0





#15

Acrylonitrile

Concen: 248.186 ug/l

RT: 4.94 min Scan# 986

Delta R.T. 0.00 min

Lab File: VN060576.D

Acq: 18 Mar 2020 00:06

Instrument :

MSVOA_N

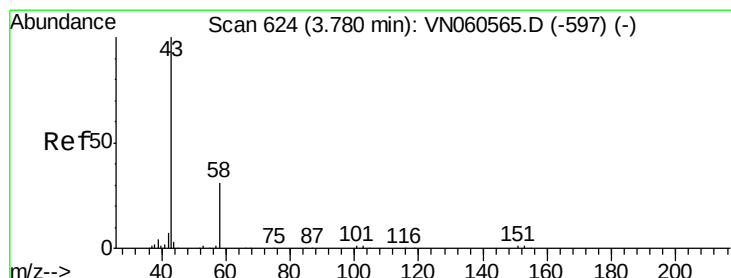
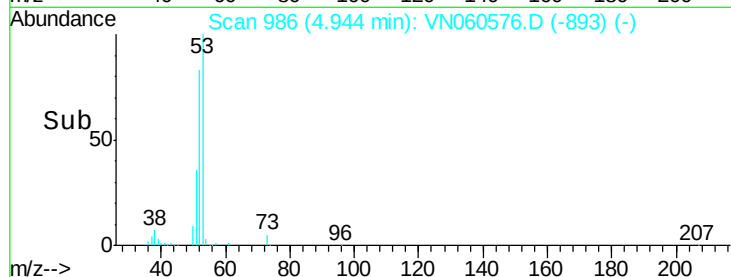
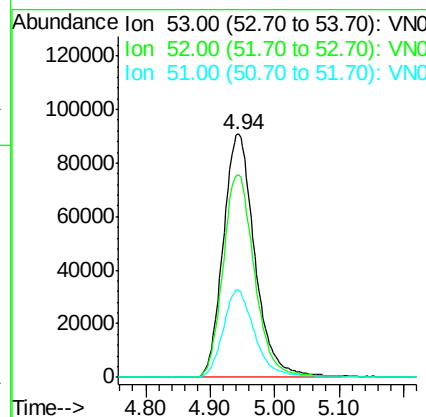
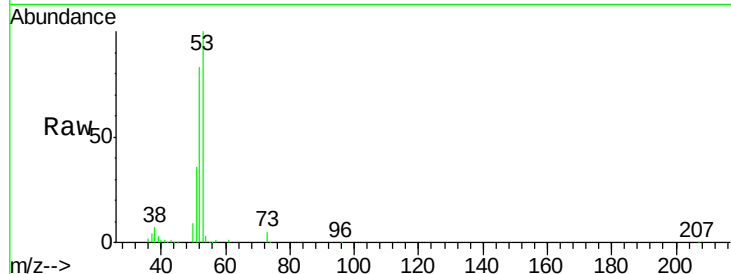
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	309678
Ion	Ratio	Lower	Upper
53	100		
52	83.1	66.2	99.4
51	36.0	28.7	43.1

Manual Integrations
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#16

Acetone

Concen: 240.532 ug/l

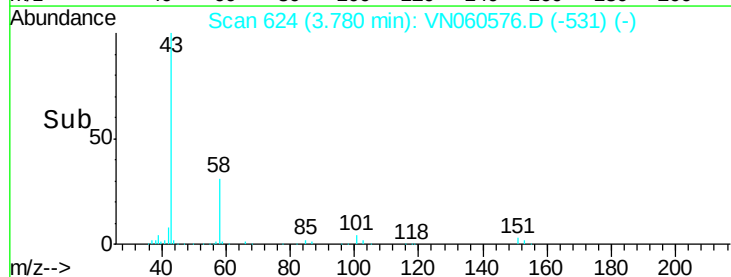
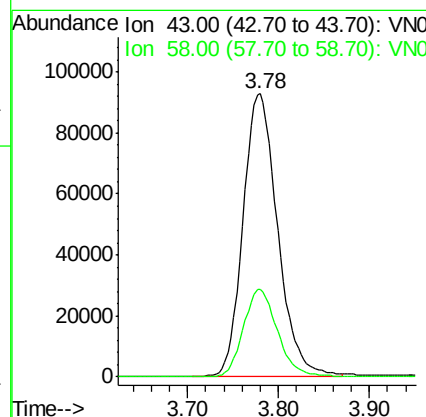
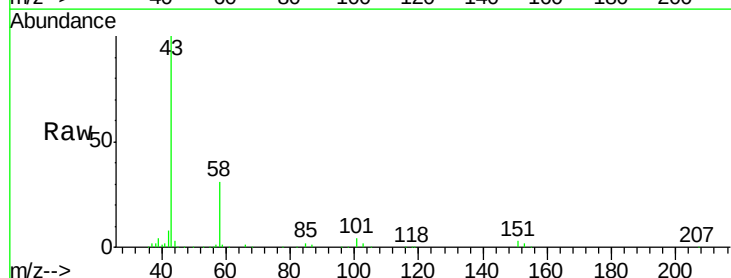
RT: 3.78 min Scan# 624

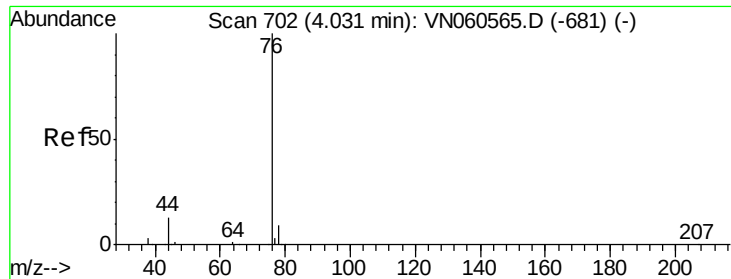
Delta R.T. -0.00 min

Lab File: VN060576.D

Acq: 18 Mar 2020 00:06

Tgt Ion:	43	Resp:	245825
Ion	Ratio	Lower	Upper
43	100		
58	31.0	25.1	37.7





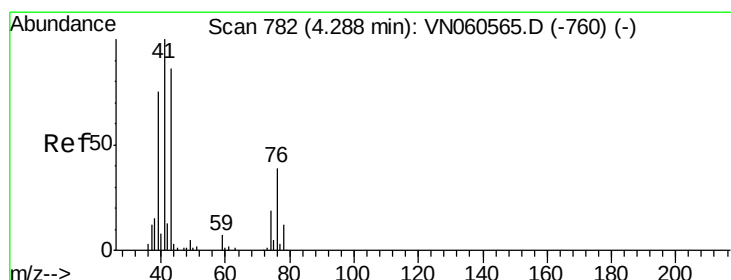
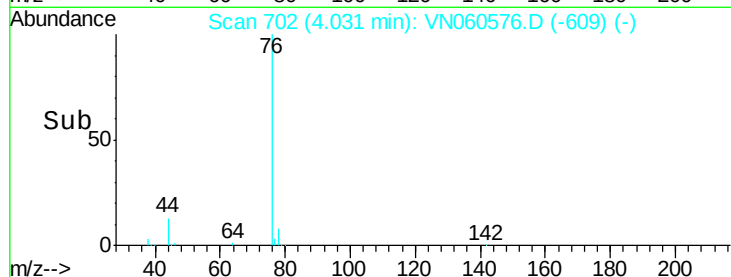
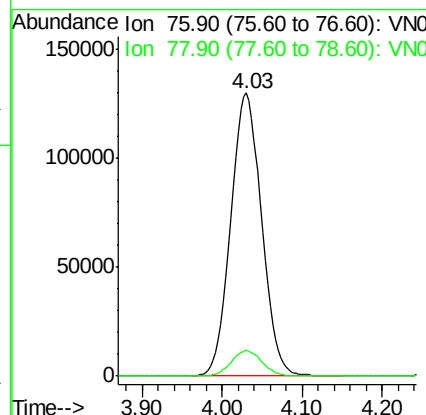
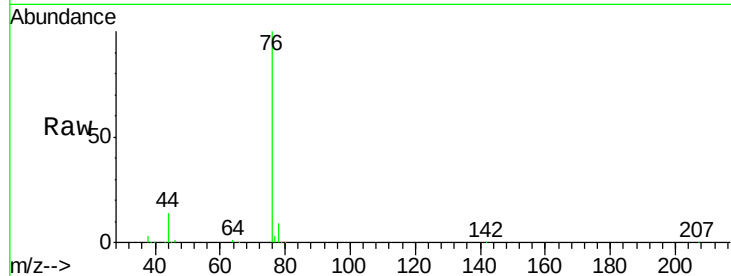
#17
Carbon Disulfide
Concen: 49.166 ug/l
RT: 4.03 min Scan# 702
Delta R.T. -0.00 min
Lab File: VN060576.D
Acq: 18 Mar 2020 00:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.2	10.8

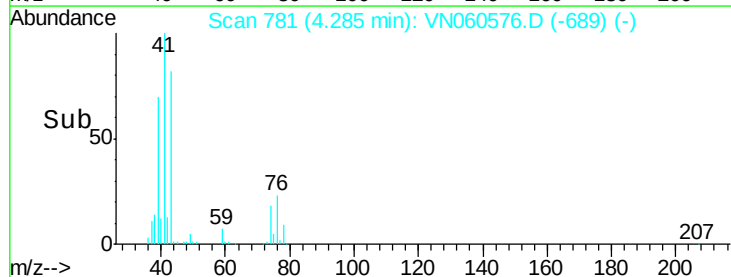
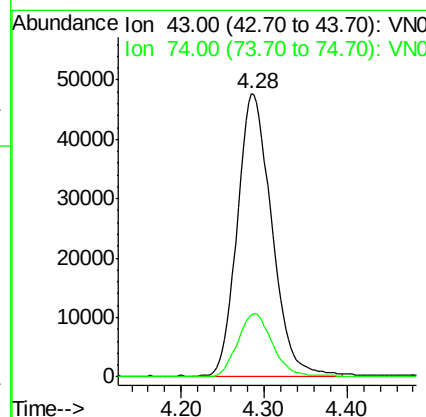
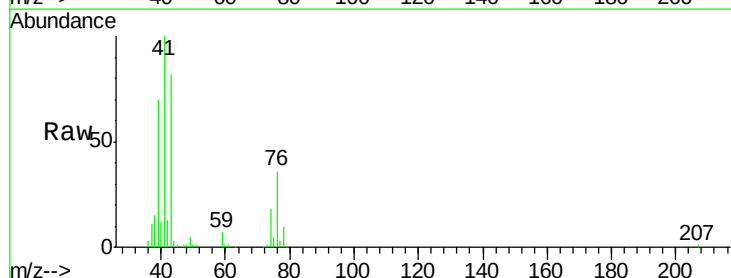
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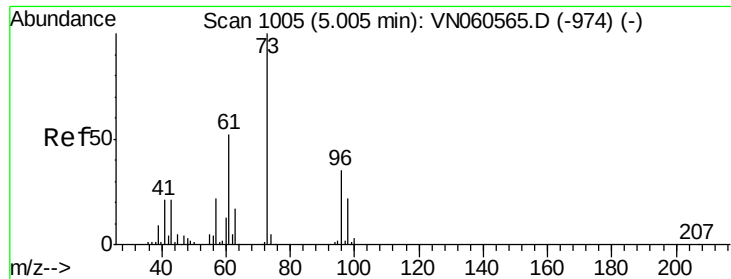
MMDadoda
3/19/2020 1:32:16 PM



#18
Methyl Acetate
Concen: 48.252 ug/l
RT: 4.28 min Scan# 781
Delta R.T. -0.00 min
Lab File: VN060576.D
Acq: 18 Mar 2020 00:06

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.5	17.5	26.3





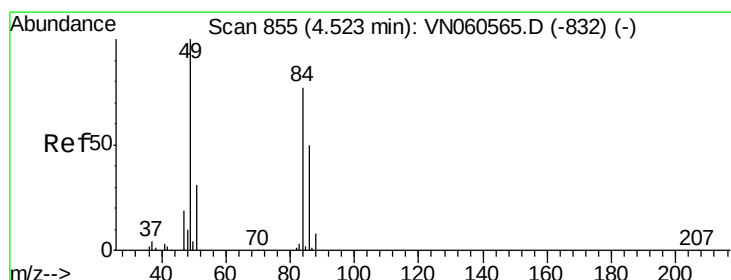
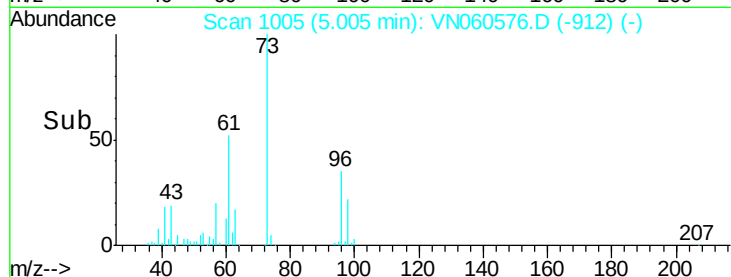
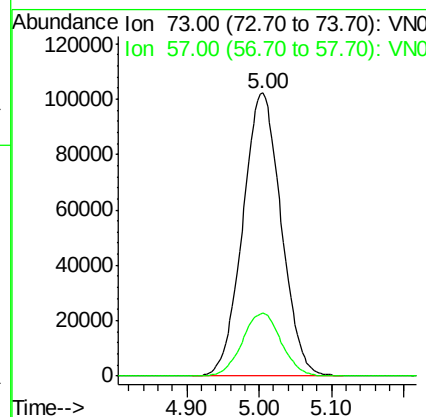
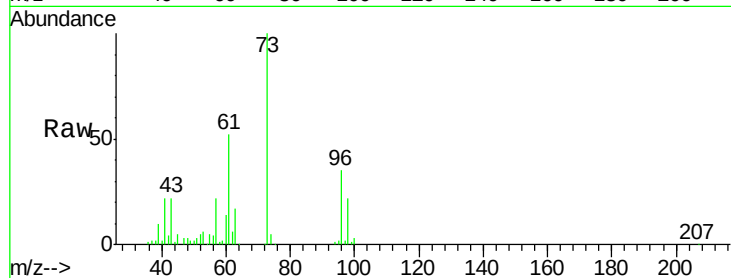
#19
Methvl tert-butvl Ether
Concen: 48.205 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. -0.00 min
Lab File: VN060576.D
Acq: 18 Mar 2020 00:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 377137
Ion Ratio Lower Upper
73 100
57 22.1 17.5 26.3

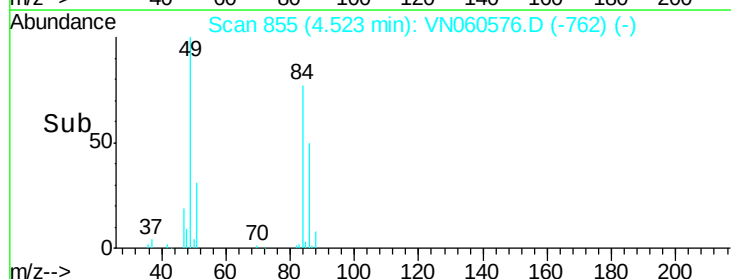
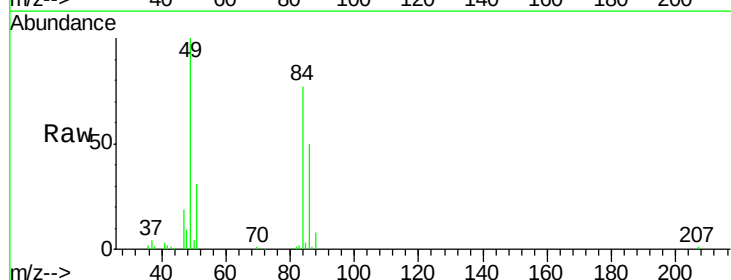
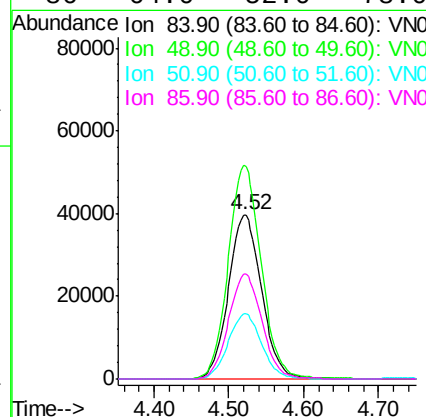
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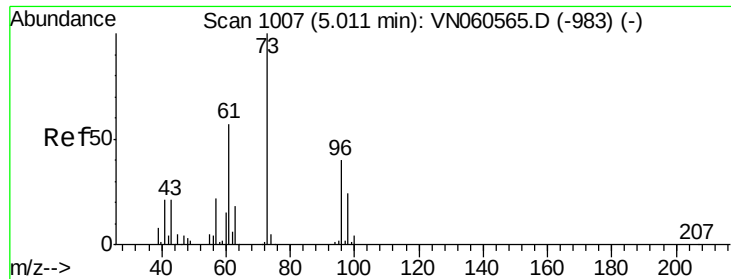
MMDadoda
3/19/2020 1:32:16 PM



#20
Methylene Chloride
Concen: 48.657 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN060576.D
Acq: 18 Mar 2020 00:06

Tgt Ion: 84 Resp: 122329
Ion Ratio Lower Upper
84 100
49 129.2 103.3 154.9
51 40.0 31.6 47.4
86 64.0 52.0 78.0





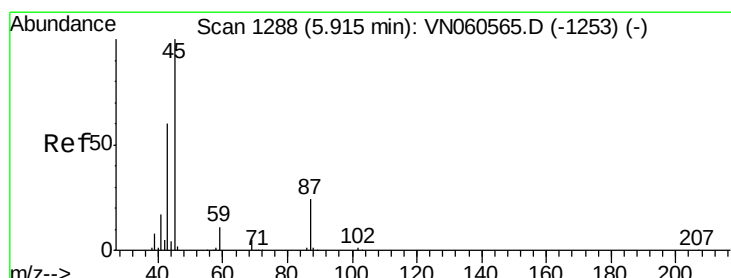
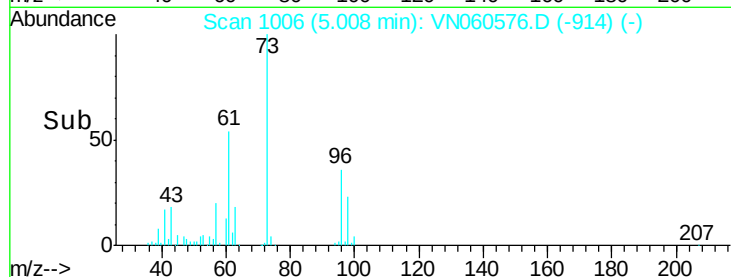
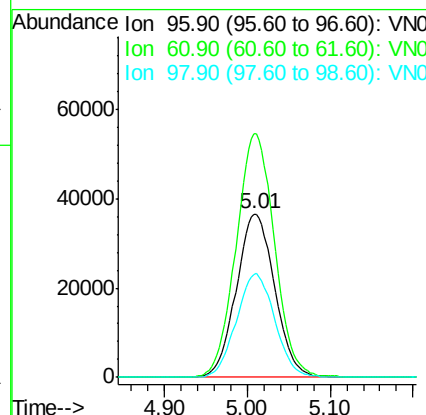
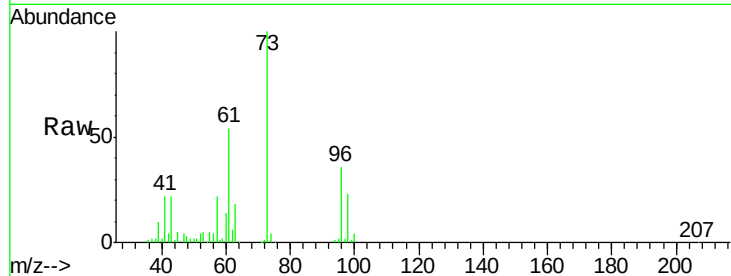
#21
trans-1,2-Dichloroethene
Concen: 48.654 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN060576.D
Acq: 18 Mar 2020 00:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	148.8	114.4	171.6
98	63.0	48.4	72.6

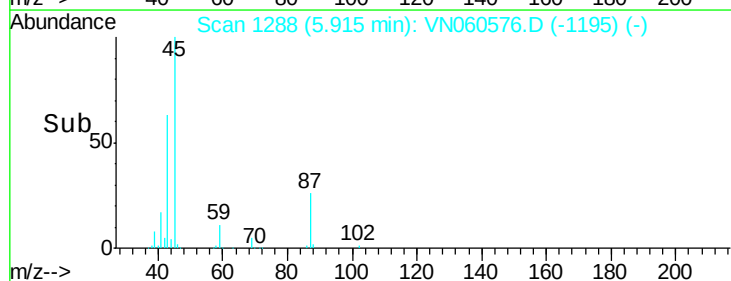
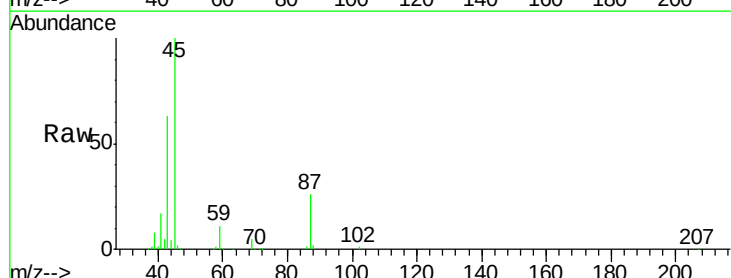
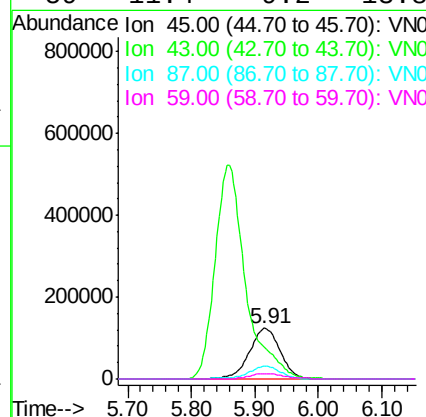
Manual Integrations
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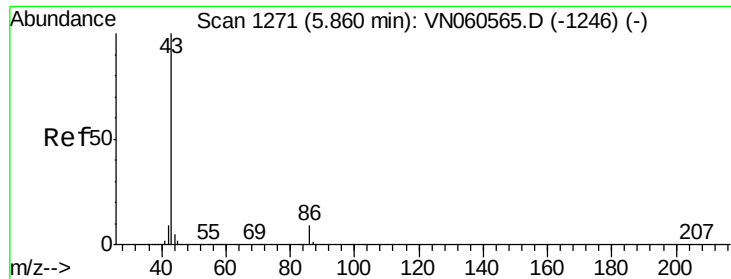
MMDadoda
3/19/2020 1:32:16 PM



#22
Diisopropyl ether
Concen: 49.598 ug/l
RT: 5.91 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VN060576.D
Acq: 18 Mar 2020 00:06

Tgt Ion	Ratio	Lower	Upper
45	100		
43	61.9	49.8	74.8
87	25.8	20.1	30.1
59	11.4	9.2	13.8





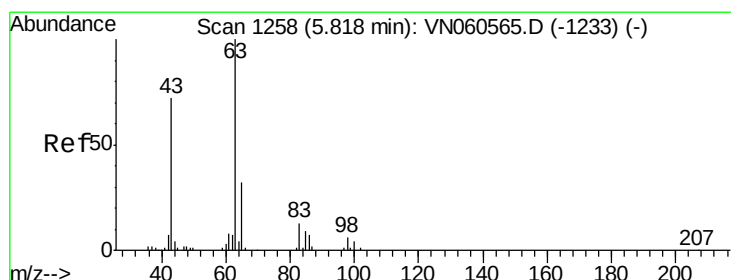
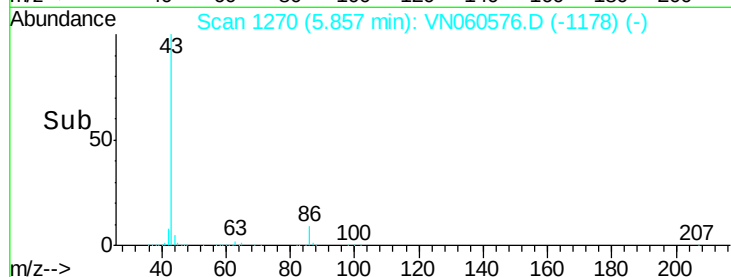
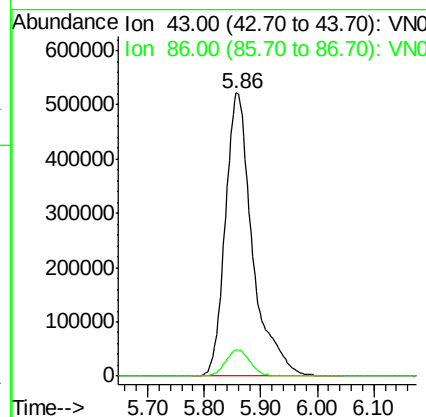
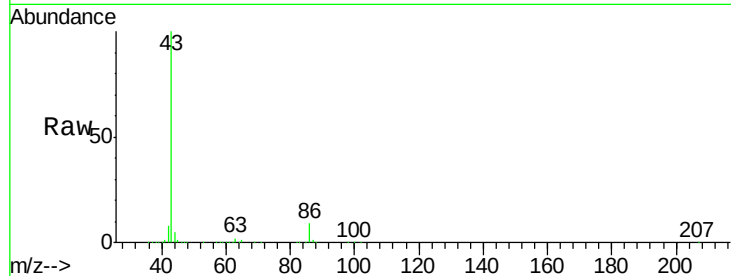
#23
 Vinyl Acetate
 Concen: 253.296 ug/l
 RT: 5.86 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VN060576.D
 Acq: 18 Mar 2020 00:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 1747458
 Ion Ratio Lower Upper
 43 100
 86 9.4 7.6 11.4

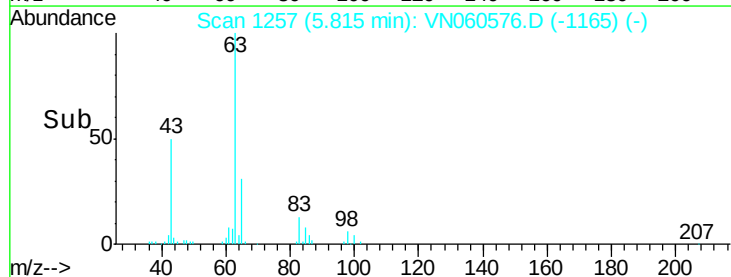
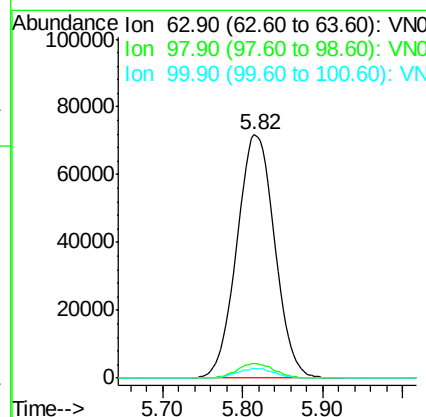
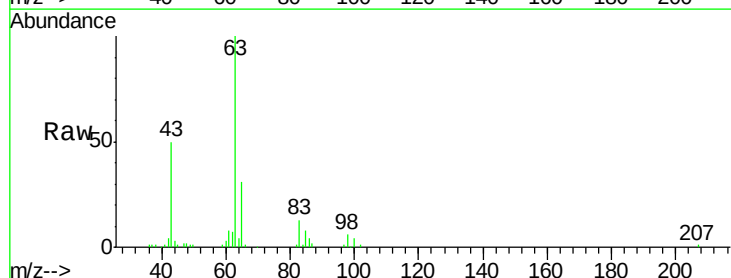
Manual Integrations
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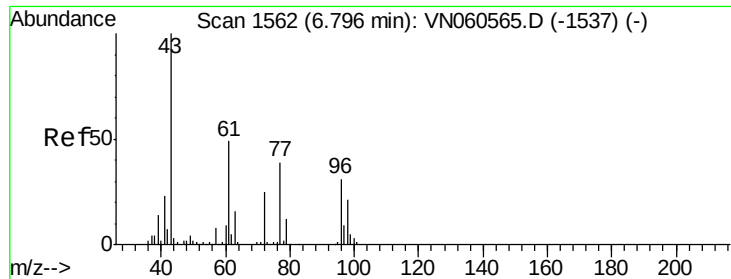
MMDadoda
 3/19/2020 1:32:16 PM



#24
 1,1-Dichloroethane
 Concen: 50.008 ug/l
 RT: 5.82 min Scan# 1257
 Delta R.T. -0.00 min
 Lab File: VN060576.D
 Acq: 18 Mar 2020 00:06

Tgt Ion: 63 Resp: 230510
 Ion Ratio Lower Upper
 63 100
 98 6.2 2.9 8.7
 100 3.9 1.8 5.5





#25

2-Butanone

Concen: 247.587 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. 0.00 min

Lab File: VN060576.D

Acq: 18 Mar 2020 00:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 409454

Ion Ratio Lower Upper

43 100

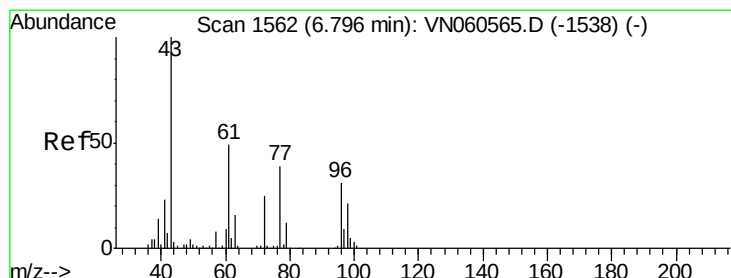
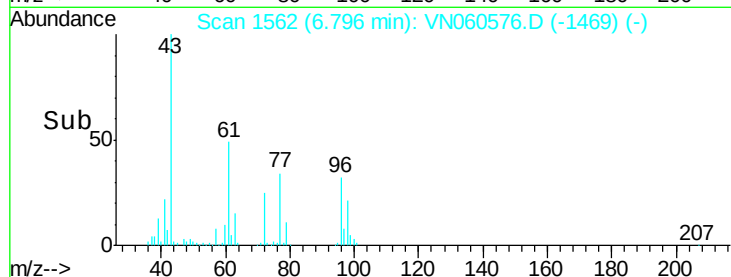
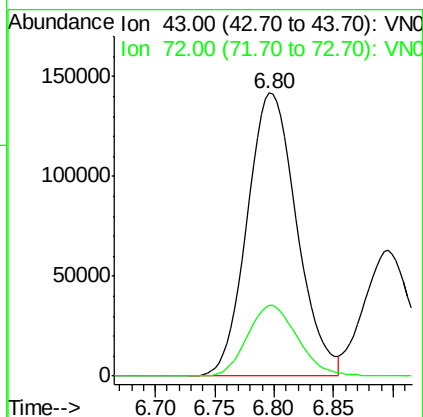
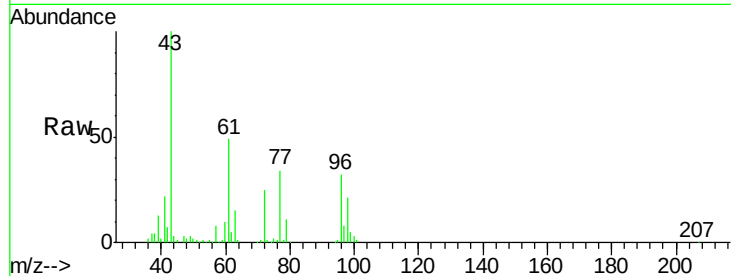
72 25.2 20.4 30.6

Manual Integrations

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MMDadoda

3/19/2020 1:32:16 PM



#26

2,2-Dichloropropane

Concen: 43.250 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN060576.D

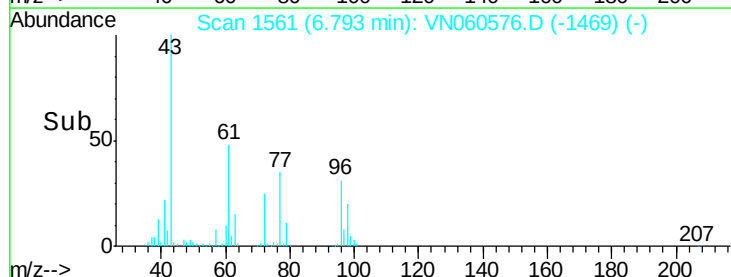
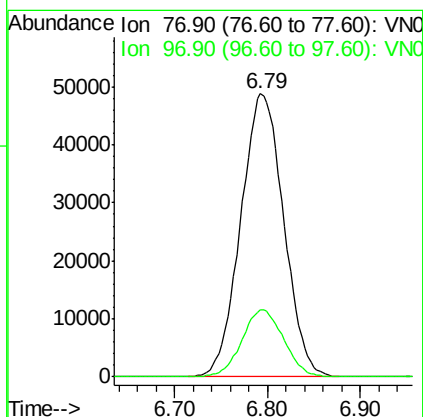
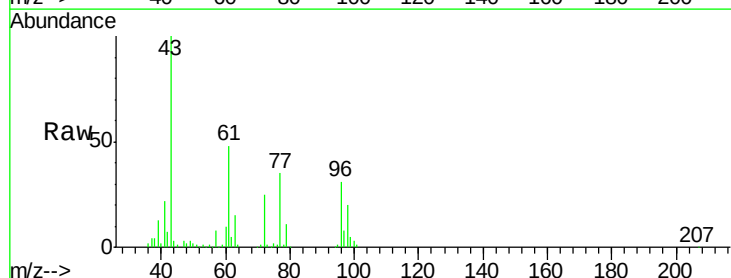
Acq: 18 Mar 2020 00:06

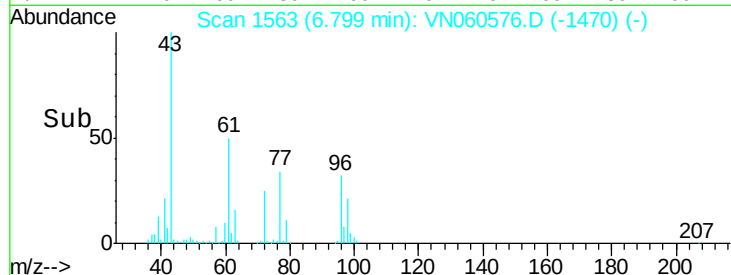
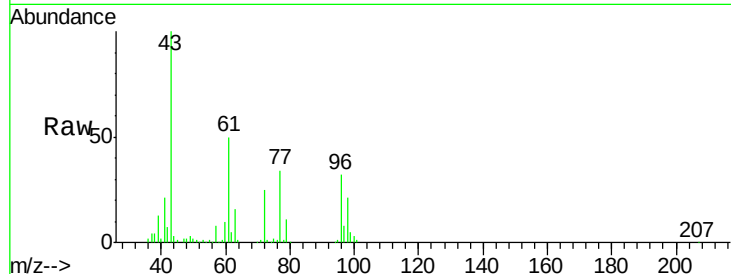
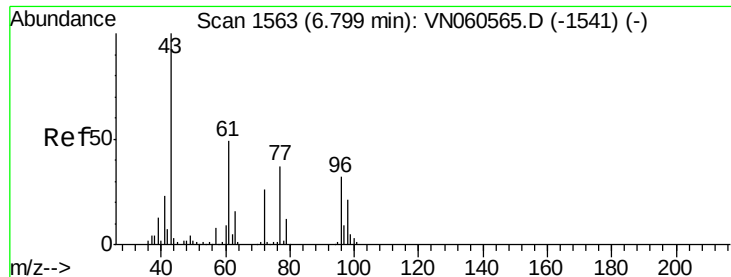
Tgt Ion: 77 Resp: 156854

Ion Ratio Lower Upper

77 100

97 23.0 11.4 34.1





#27

cis-1,2-Dichloroethene

Concen: 48.884 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060576.D

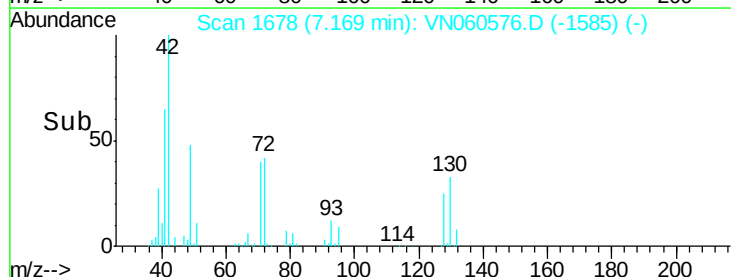
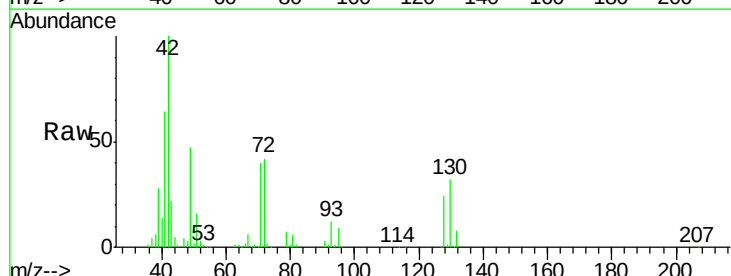
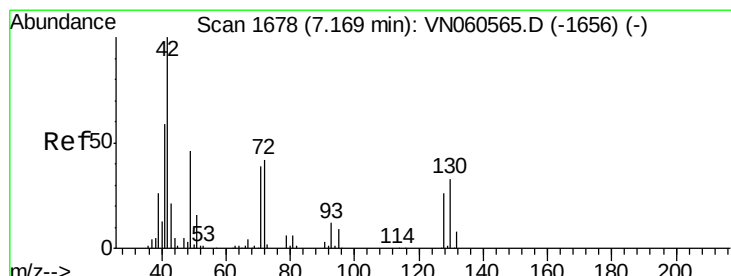
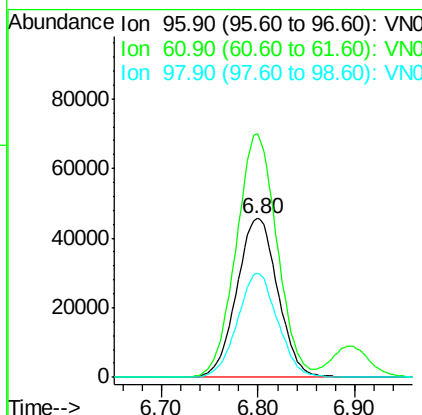
Acq: 18 Mar 2020 00:06

Tot Ion	Ratio	Resp	Lower	Upper
96	100	134723		
61	152.1	0.0	305.6	
98	64.1	0.0	127.6	

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

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3/19/2020 1:32:16 PM



#28

Bromochloromethane

Concen: 48.975 ug/l

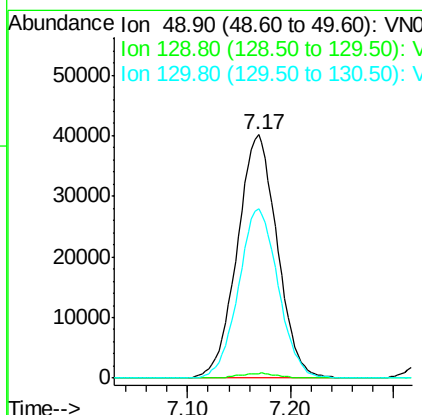
RT: 7.17 min Scan# 1678

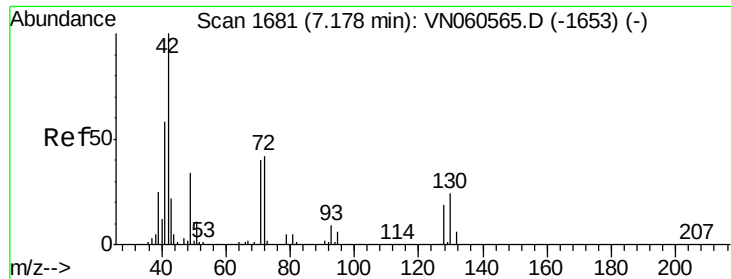
Delta R.T. -0.00 min

Lab File: VN060576.D

Acq: 18 Mar 2020 00:06

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	108007		
129	1.8	0.0	3.4	
130	69.2	55.0	82.4	





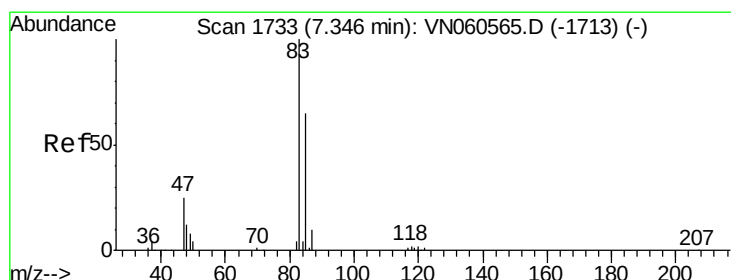
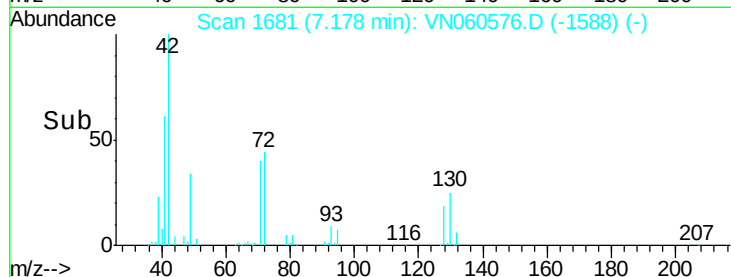
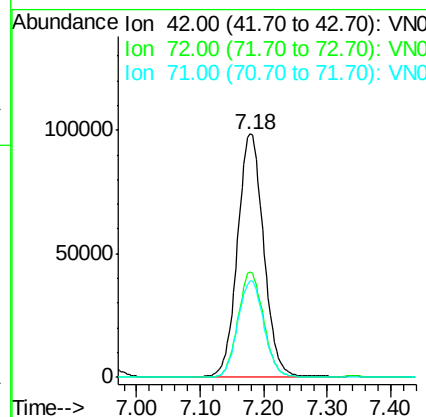
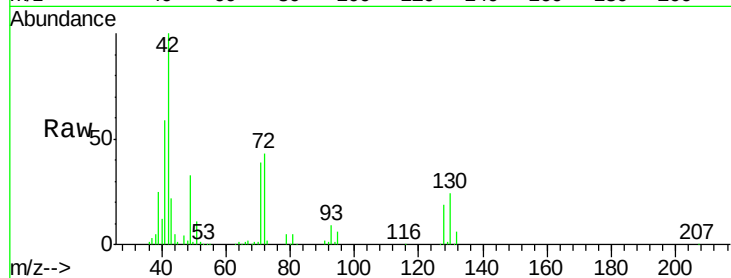
#29
Tetrahydrofuran
Concen: 241.784 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VN060576.D
Acq: 18 Mar 2020 00:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
42	100	282915		
72	42.0		33.2	49.8
71	39.4		31.1	46.7

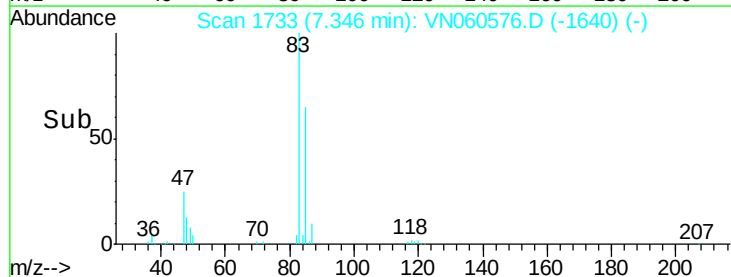
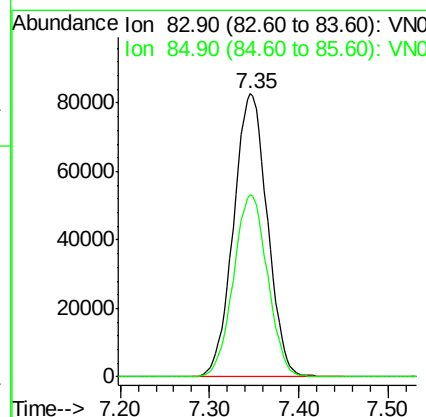
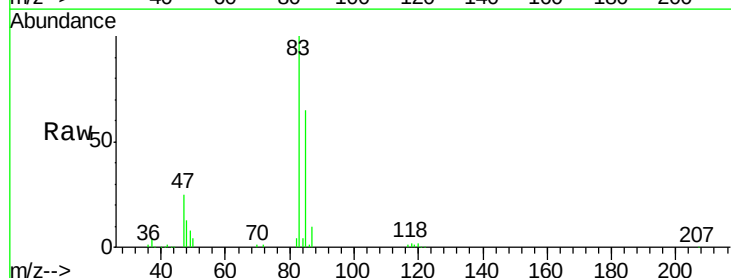
Manual Integrations
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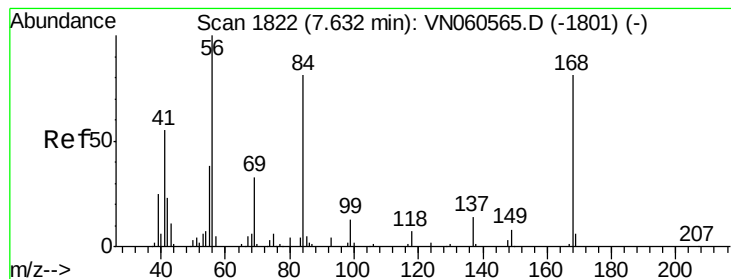
MMDadoda
3/19/2020 1:32:16 PM



#30
Chloroform
Concen: 49.151 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN060576.D
Acq: 18 Mar 2020 00:06

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	217193		
85	64.5		51.8	77.8





#31

Cyclohexane

Concen: 46.947 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VN060576.D

Acq: 18 Mar 2020 00:06

Instrument :

MSVOA_N

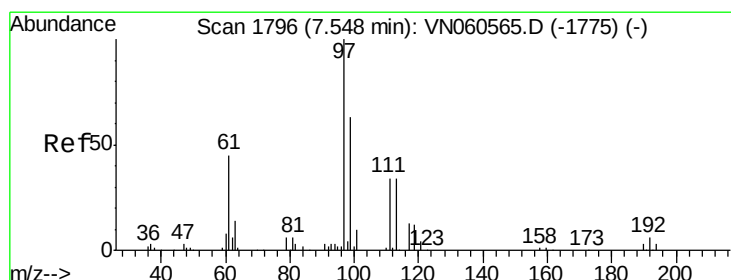
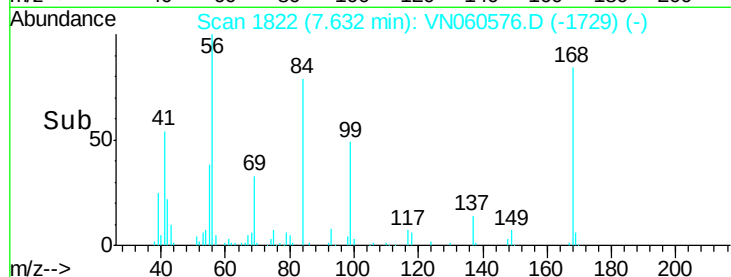
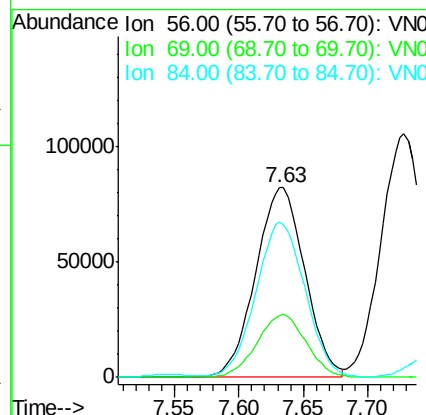
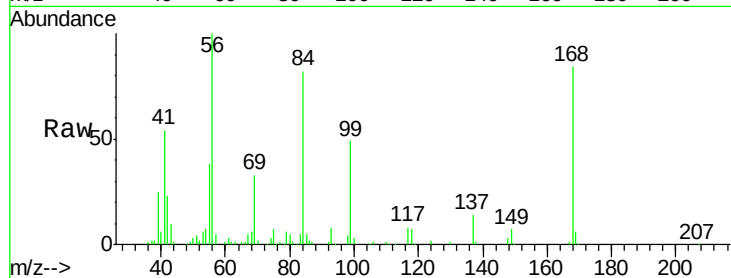
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	218162
Ion Ratio	Lower	Upper	
56	100		
69	32.6	26.6	40.0
84	81.0	64.3	96.5

Manual Integrations
APPROVED

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3/19/2020 1:32:16 PM



#32

1,1,1-Trichloroethane

Concen: 49.669 ug/l

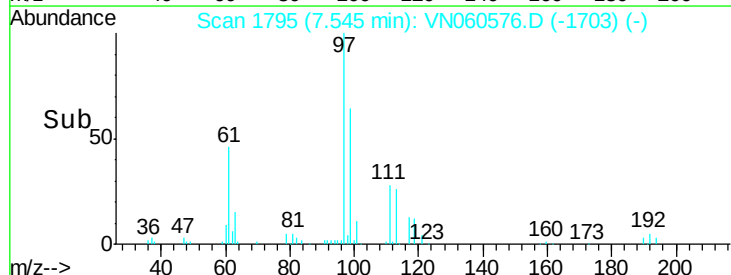
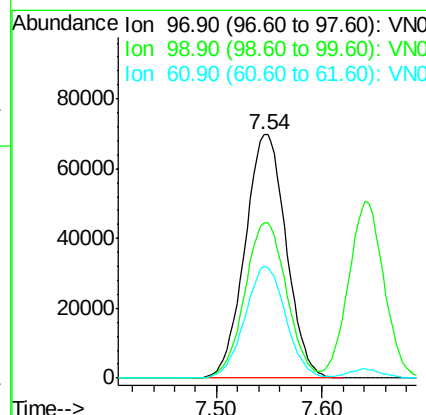
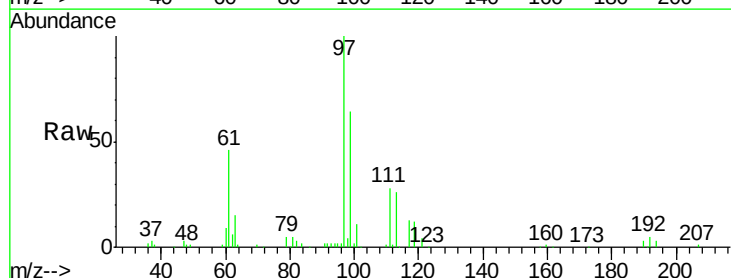
RT: 7.54 min Scan# 1795

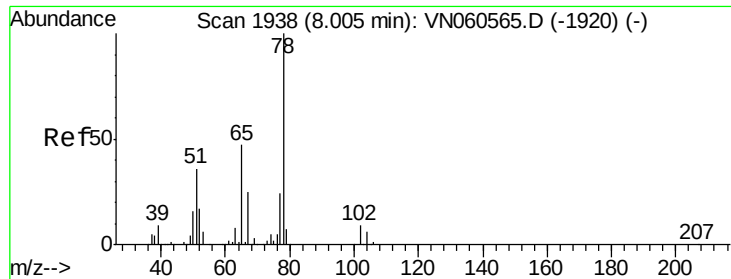
Delta R.T. -0.00 min

Lab File: VN060576.D

Acq: 18 Mar 2020 00:06

Tgt Ion:	97	Resp:	189210
Ion Ratio	Lower	Upper	
97	100		
99	64.7	50.6	75.8
61	45.6	36.2	54.4





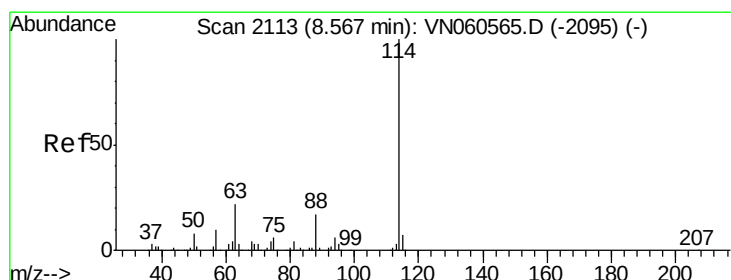
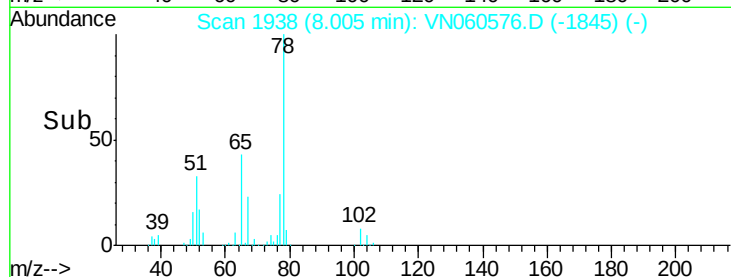
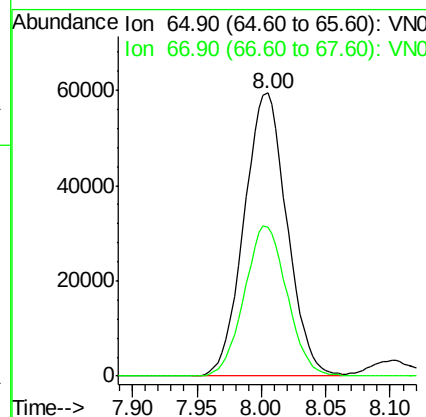
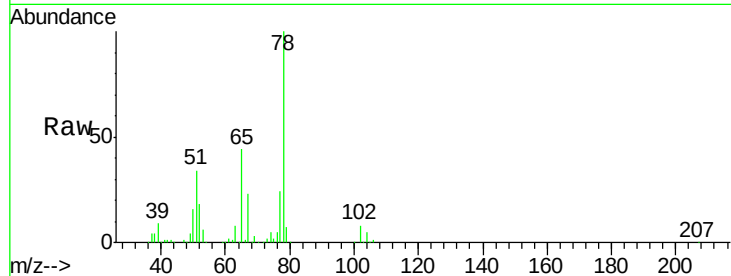
#33
 1,2-Dichloroethane-d4
 Concen: 47.759 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN060576.D
 Acq: 18 Mar 2020 00:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.7	0.0	107.6

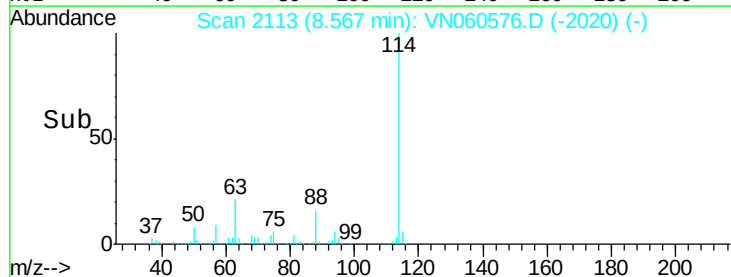
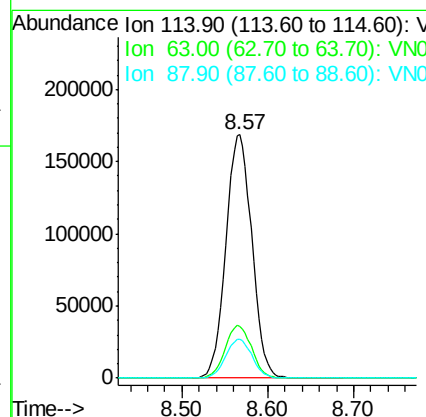
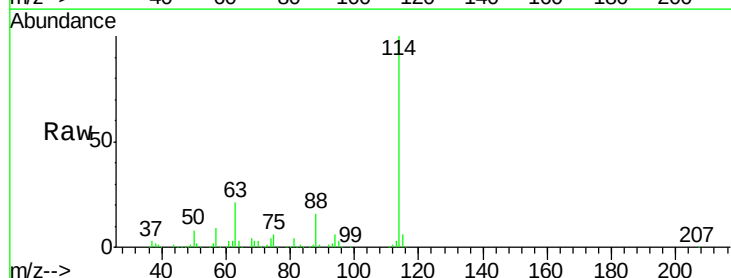
Manual Integrations
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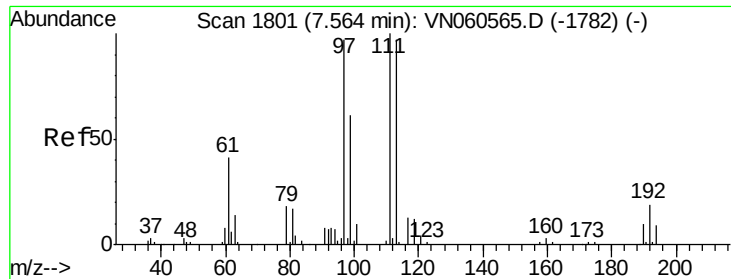
MMDadoda
 3/19/2020 1:32:16 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060576.D
 Acq: 18 Mar 2020 00:06

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	43.8
88	16.1	0.0	33.0





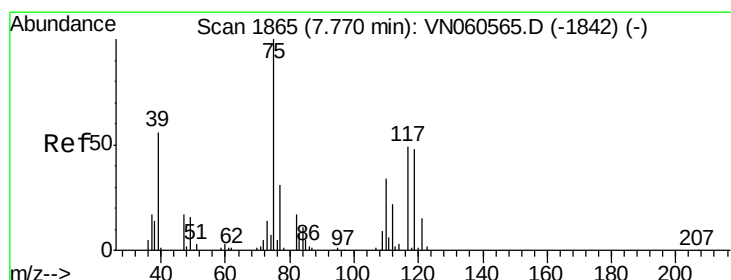
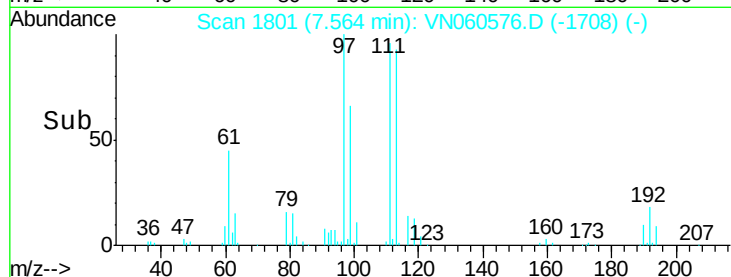
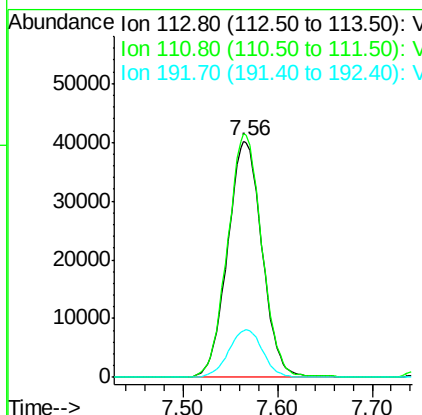
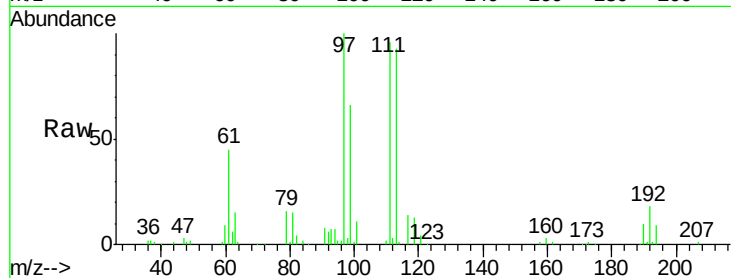
#35
Dibromofluoromethane
Concen: 47.533 ug/l
RT: 7.56 min Scan# 1801
Delta R.T. -0.00 min
Lab File: VN060576.D
Acq: 18 Mar 2020 00:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	101708		
111	102.7	82.9	124.3	
192	19.9	15.8	23.8	

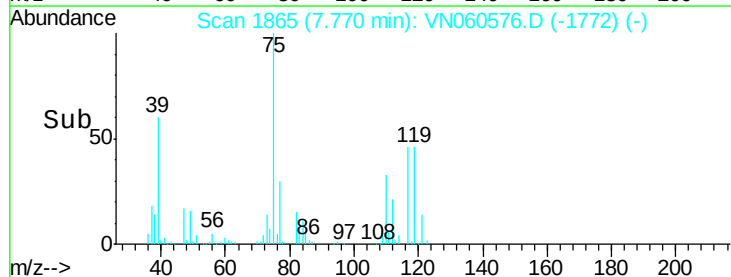
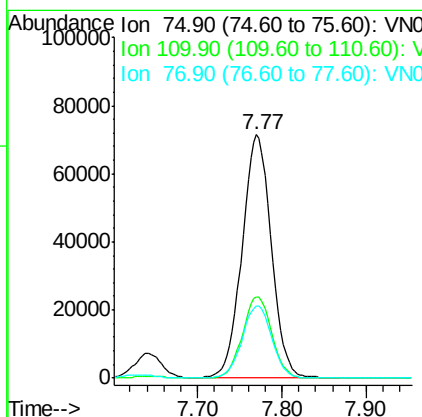
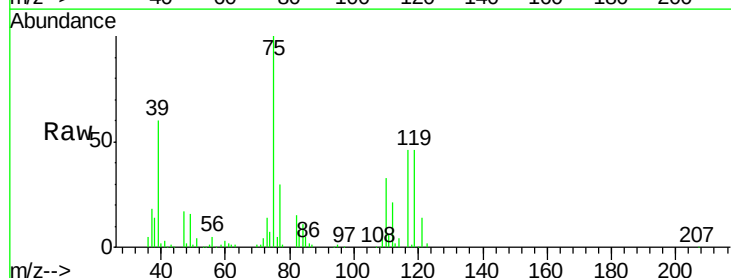
Manual Integrations
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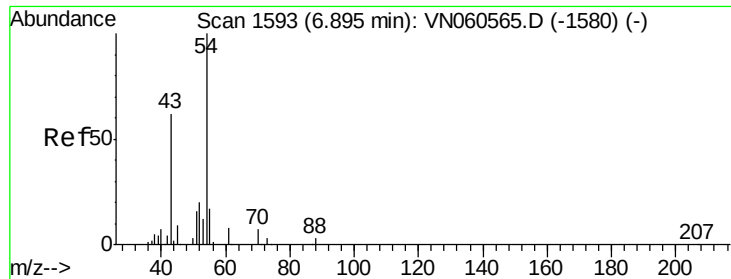
MMDadoda
3/19/2020 1:32:16 PM



#36
1,1-Dichloropropene
Concen: 50.361 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN060576.D
Acq: 18 Mar 2020 00:06

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	172565		
110	33.3	16.9	50.6	
77	30.3	24.6	36.8	





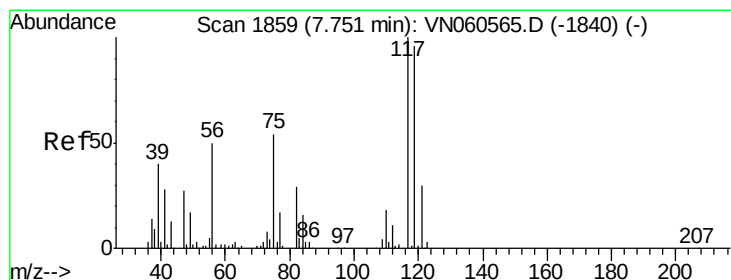
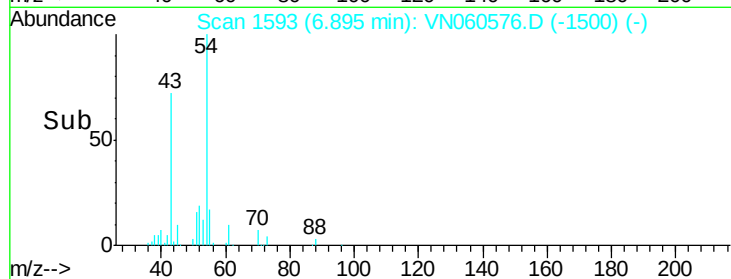
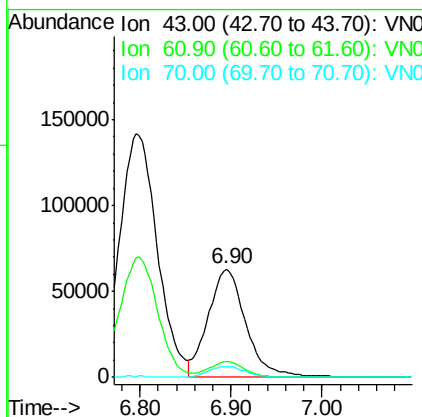
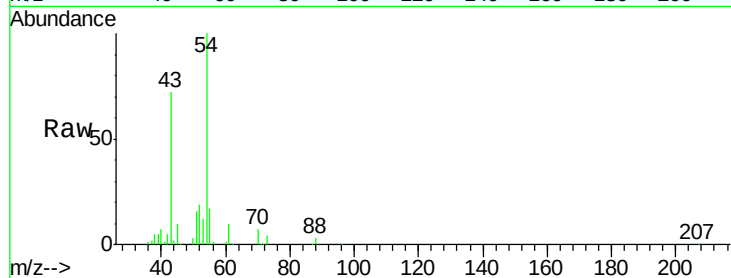
#37
Ethyl Acetate
Concen: 48.229 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. -0.00 min
Lab File: VN060576.D
Acq: 18 Mar 2020 00:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	10.6	15.8
70	10.2	7.9	11.9

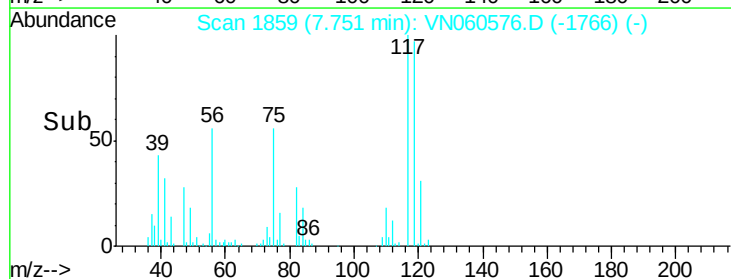
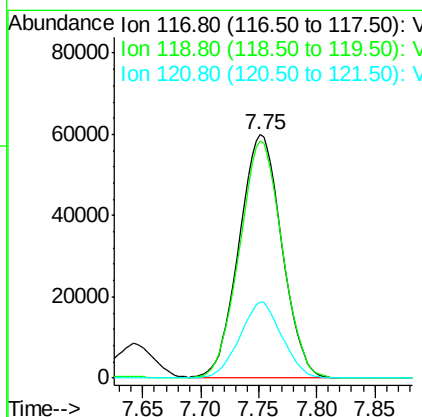
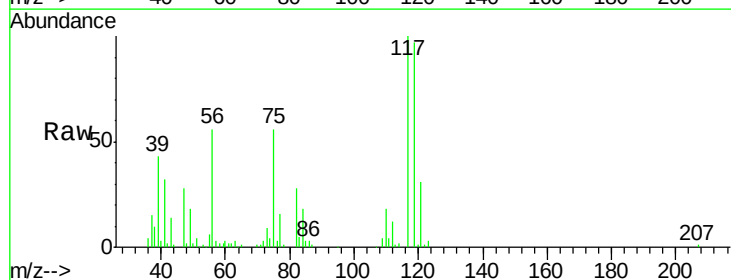
Manual Integrations
APPROVED

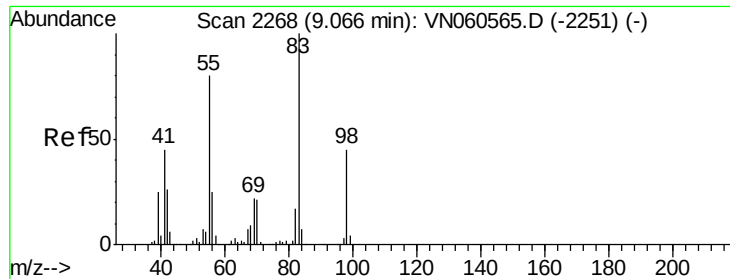
MMDadoda
3/19/2020 1:32:16 PM



#38
Carbon Tetrachloride
Concen: 50.128 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN060576.D
Acq: 18 Mar 2020 00:06

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.5	76.2	114.2
121	31.3	23.7	35.5





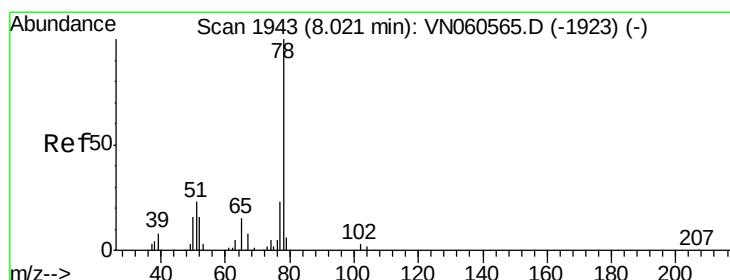
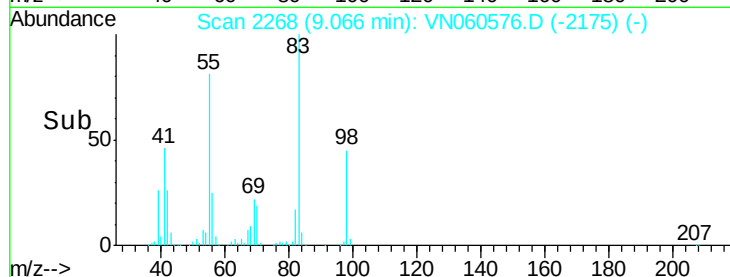
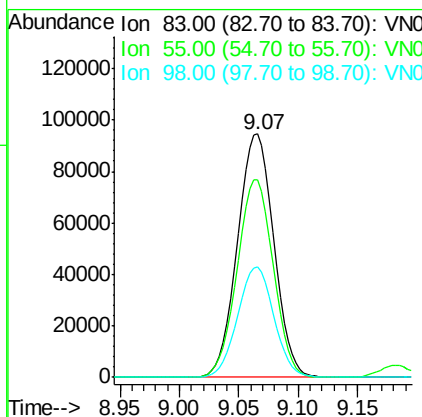
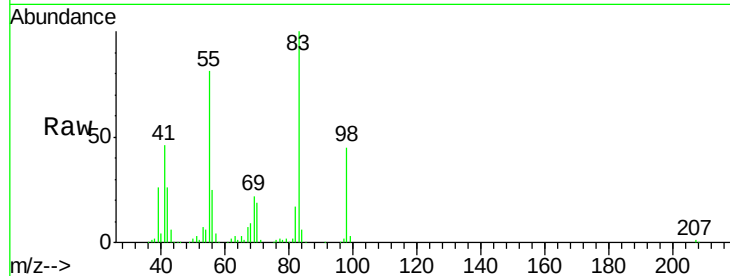
#39
Methylvlcyclohexane
Concen: 49.216 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN060576.D
Acq: 18 Mar 2020 00:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	200410
Ion Ratio	100	Lower	Upper
83	100		
55	81.1	63.6	95.4
98	45.4	36.0	54.0

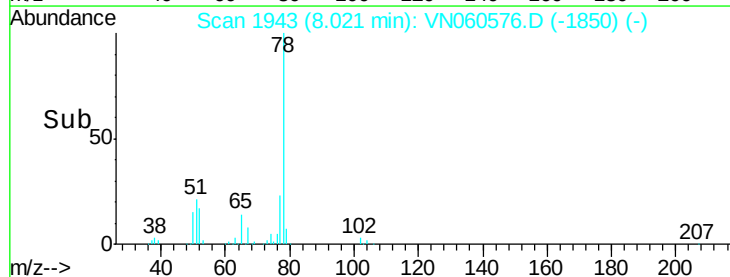
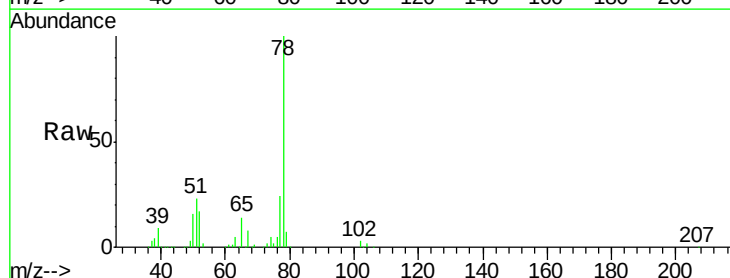
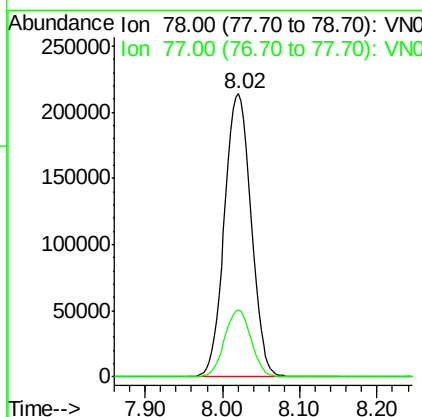
Manual Integrations
APPROVED

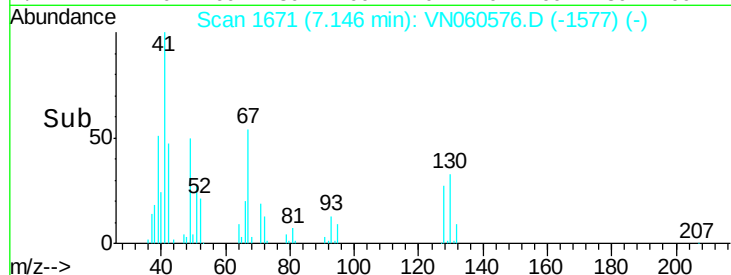
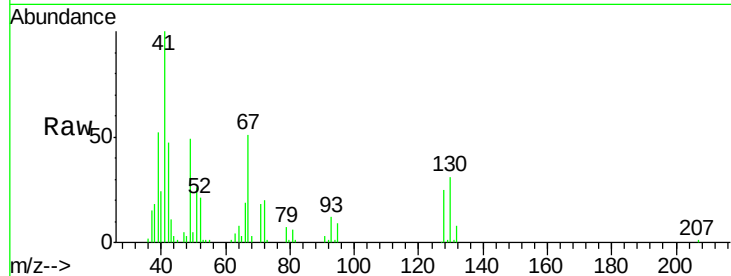
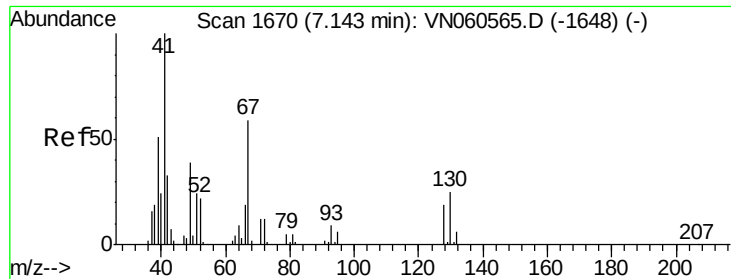
MMDadoda
3/19/2020 1:32:16 PM



#40
Benzene
Concen: 49.415 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN060576.D
Acq: 18 Mar 2020 00:06

Tgt Ion	78	Resp	511141
Ion Ratio	100	Lower	Upper
78	100		
77	23.6	18.6	28.0





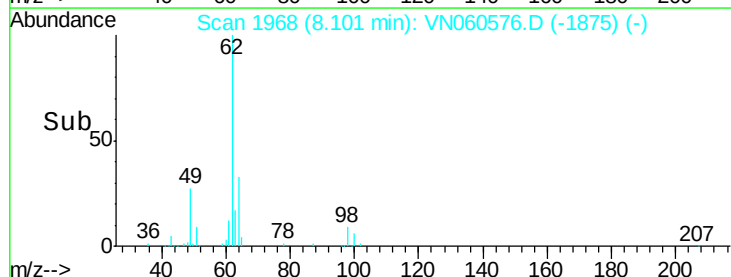
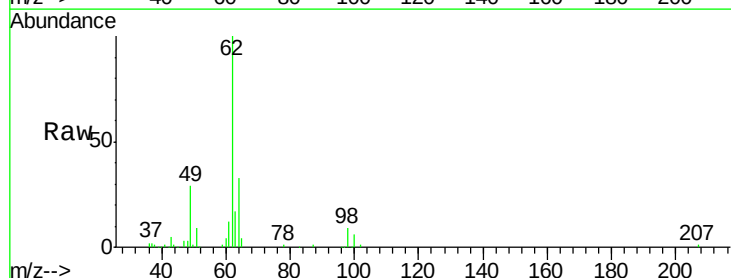
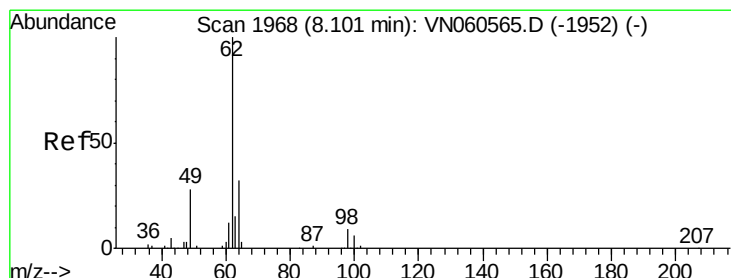
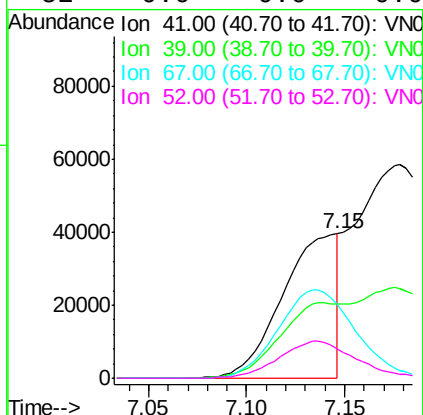
#41
Methacrylonitrile
Concen: 49.091 ug/l m
RT: 7.15 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VN060576.D
Acq: 18 Mar 2020 00:06

Tot Ion	41	Resp	77569
Ion Ratio	Lower	Upper	
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

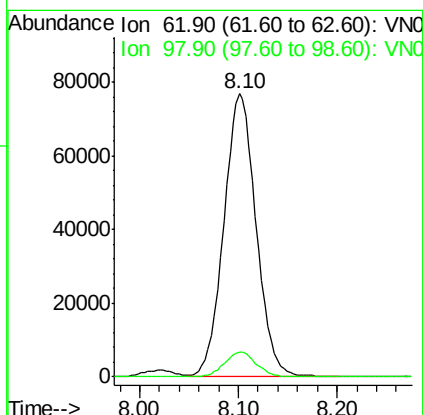
Manual Integrations
APPROVED

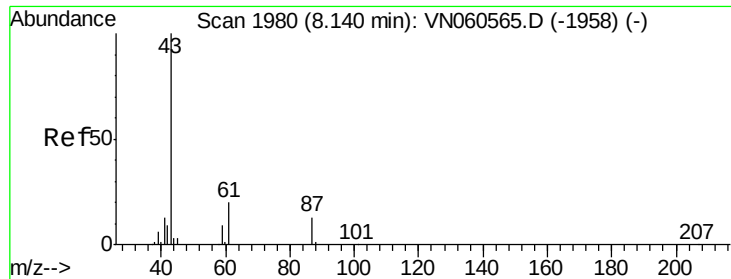
MMDadoda
3/19/2020 1:32:16 PM



#42
1,2-Dichloroethane
Concen: 49.687 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN060576.D
Acq: 18 Mar 2020 00:06

Tgt Ion	62	Resp	175645
Ion Ratio	Lower	Upper	
62	100		
98	8.6	0.0	17.8





#43

Isopropyl Acetate

Concen: 49.640 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060576.D

Acq: 18 Mar 2020 00:06

Instrument :

MSVOA_N

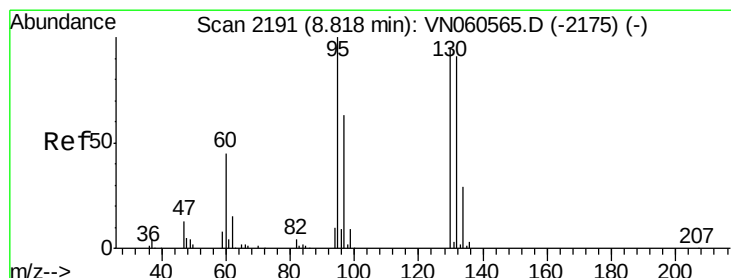
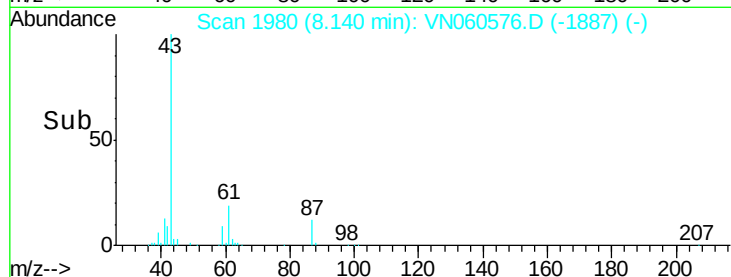
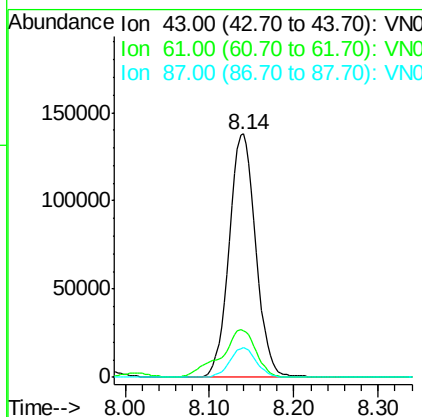
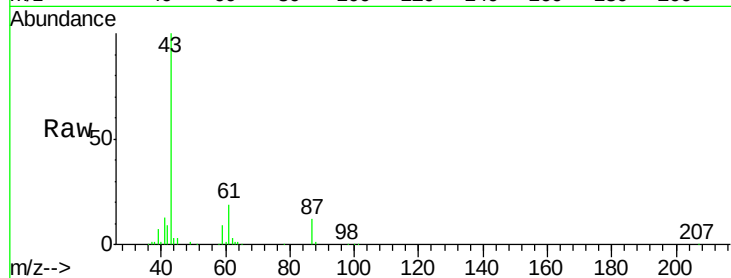
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	303105
Ion Ratio		Lower	Upper
43	100		
61	25.8	20.7	31.1
87	12.0	9.8	14.8

Manual Integrations
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#44

Trichloroethene

Concen: 49.988 ug/l

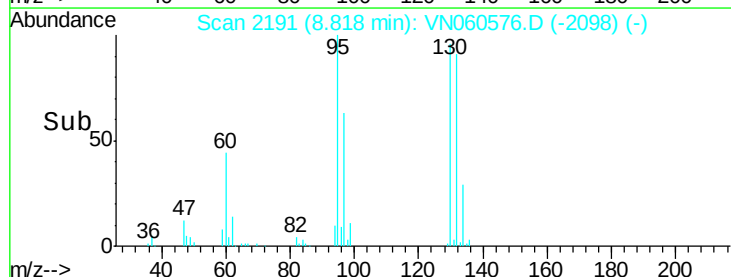
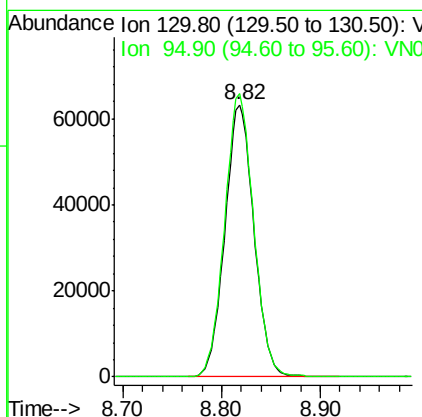
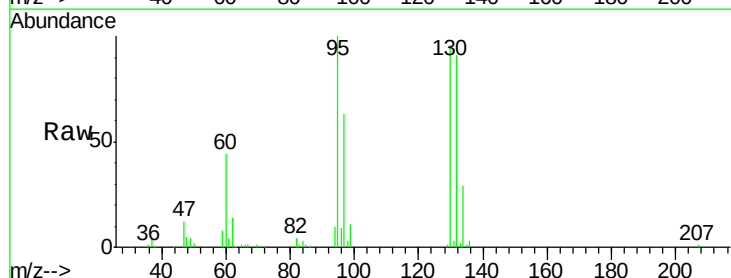
RT: 8.82 min Scan# 2191

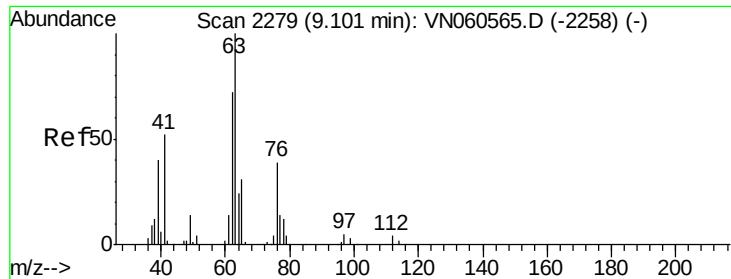
Delta R.T. -0.00 min

Lab File: VN060576.D

Acq: 18 Mar 2020 00:06

Tgt Ion:	130	Resp:	130347
Ion Ratio		Lower	Upper
130	100		
95	103.9	0.0	211.2





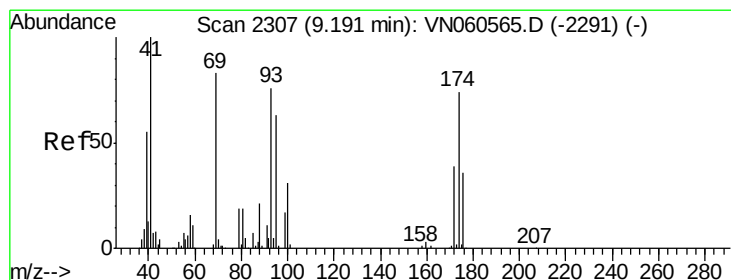
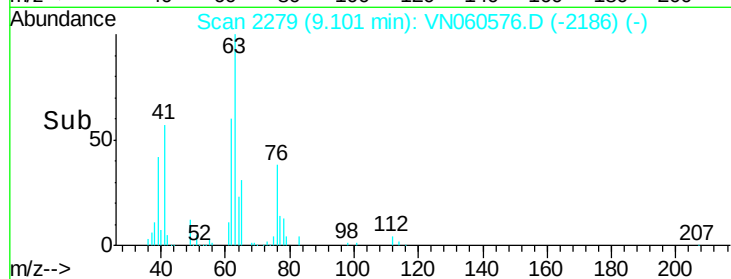
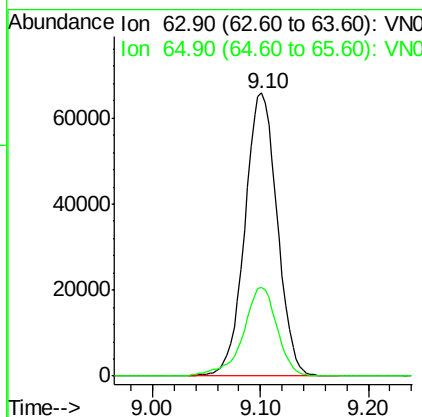
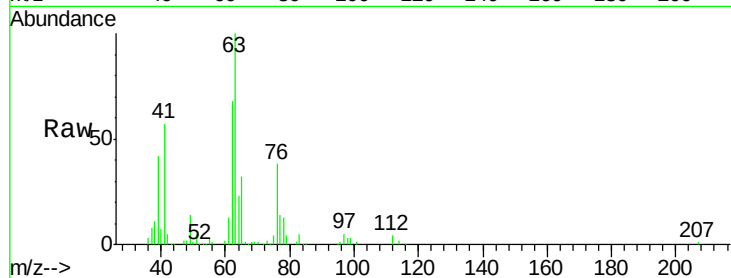
#45
 1,2-Dichloropropane
 Concen: 50.219 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. -0.00 min
 Lab File: VN060576.D
 Acq: 18 Mar 2020 00:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 137069
 Ion Ratio Lower Upper
 63 100
 65 31.6 25.4 38.0

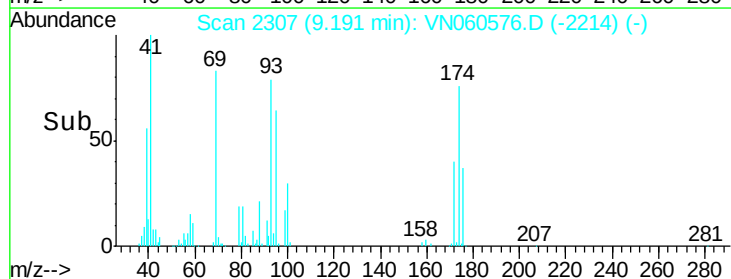
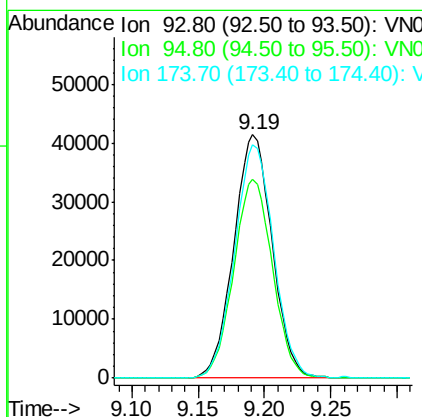
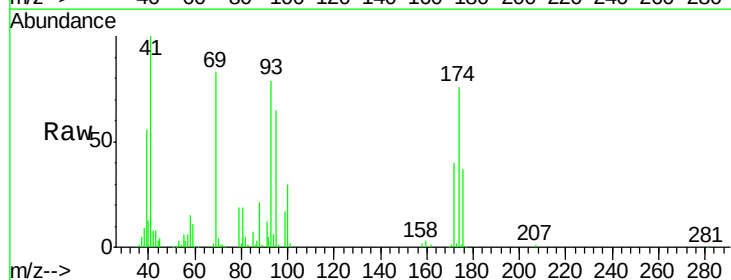
Manual Integrations
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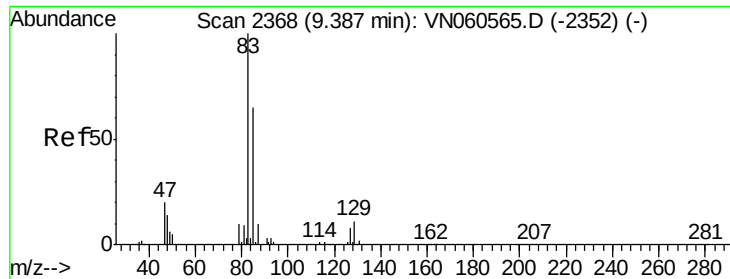
MMDadoda
 3/19/2020 1:32:16 PM



#46
 Dibromomethane
 Concen: 50.559 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN060576.D
 Acq: 18 Mar 2020 00:06

Tgt Ion: 93 Resp: 83427
 Ion Ratio Lower Upper
 93 100
 95 82.6 66.2 99.4
 174 97.0 77.9 116.9





#47

Bromodichloromethane

Concen: 50.466 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN060576.D

Acq: 18 Mar 2020 00:06

Instrument :

MSVOA_N

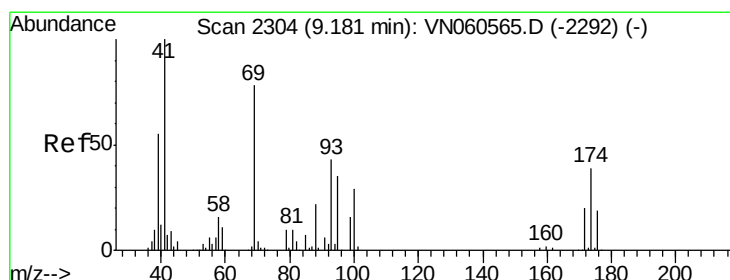
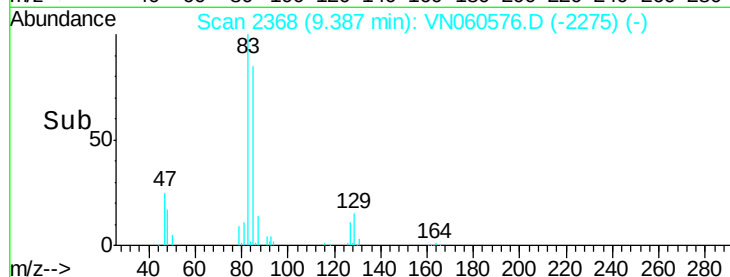
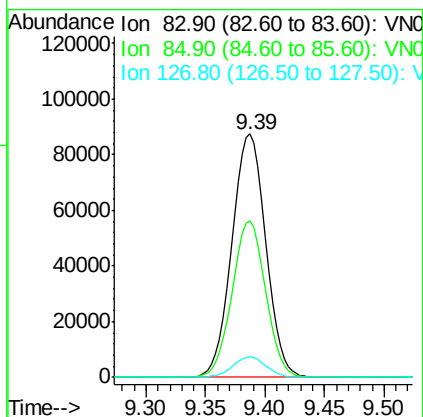
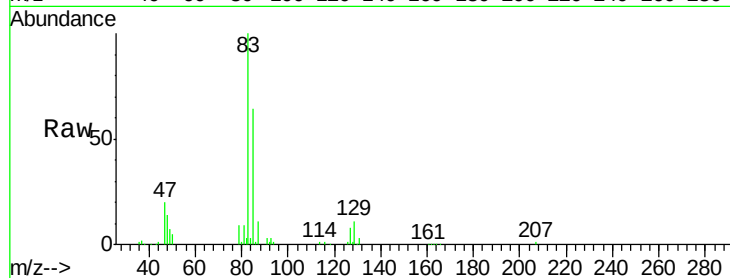
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	173046
Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.8	77.6
127	8.5	6.5	9.7

Manual Integrations
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3/19/2020 1:32:16 PM



#48

Methyl methacrylate

Concen: 49.545 ug/l

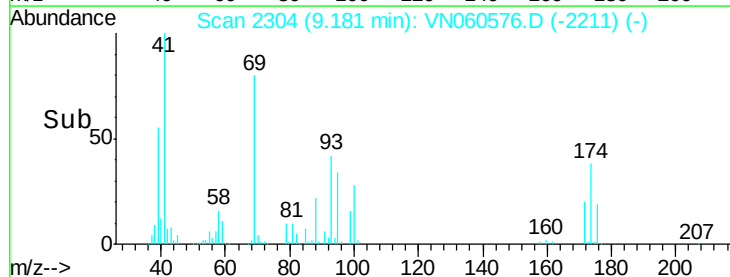
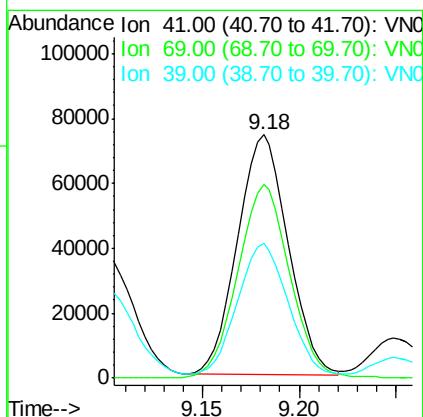
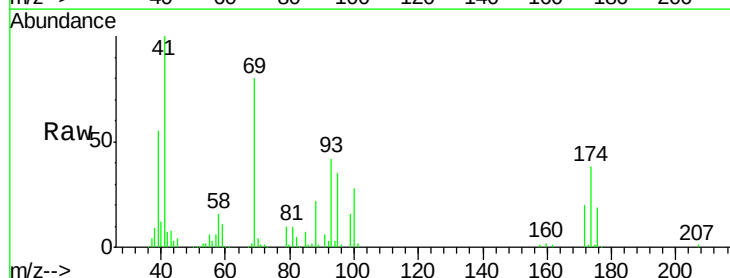
RT: 9.18 min Scan# 2304

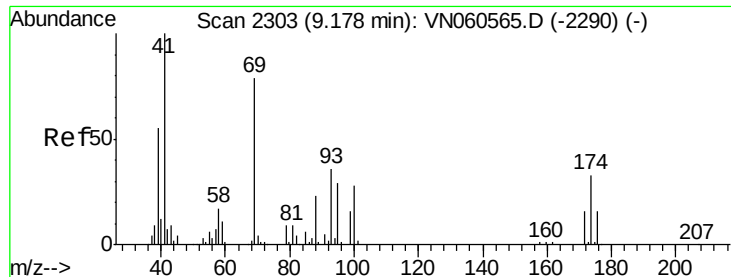
Delta R.T. -0.00 min

Lab File: VN060576.D

Acq: 18 Mar 2020 00:06

Tgt Ion:	41	Resp:	134692
Ion	Ratio	Lower	Upper
41	100		
69	82.6	65.4	98.0
39	54.6	44.0	66.0





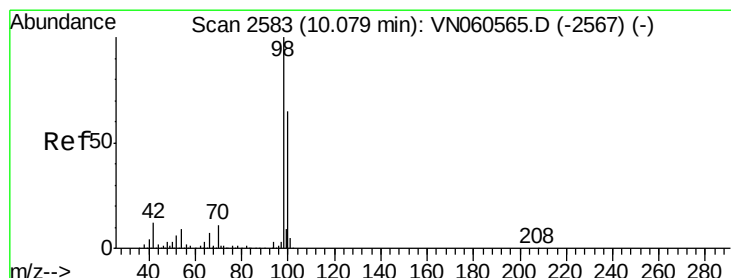
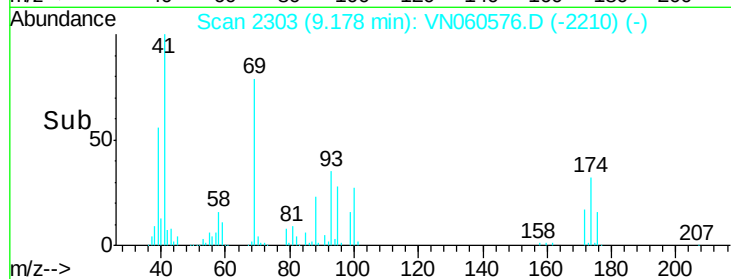
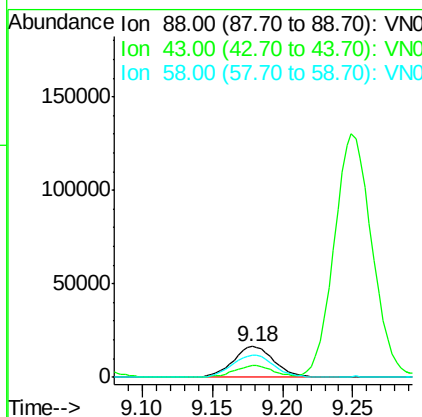
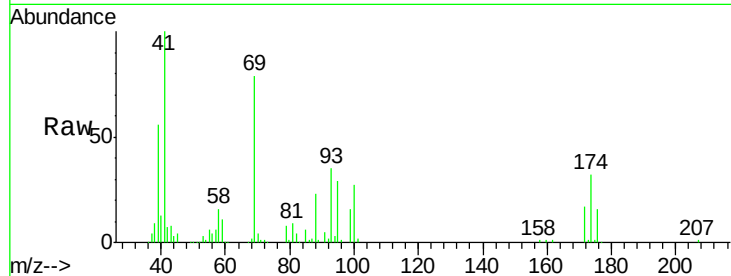
#49
1,4-Dioxane
Concen: 1039.958 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. -0.00 min
Lab File: VN060576.D
Acq: 18 Mar 2020 00:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.1	30.8	46.2
58	73.7	59.8	89.8

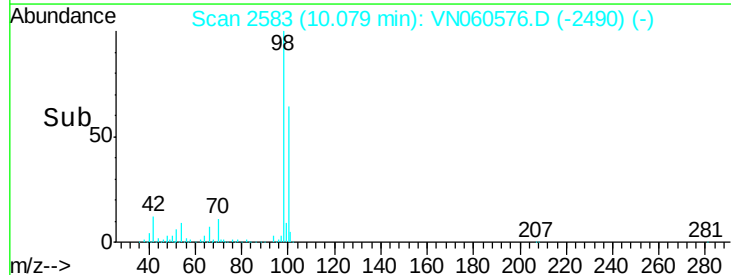
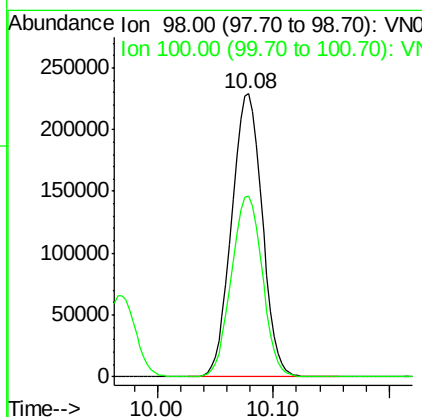
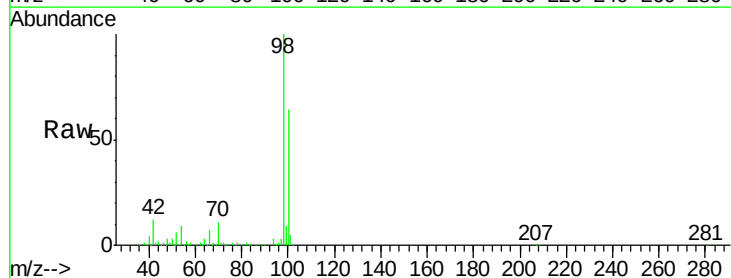
Manual Integrations
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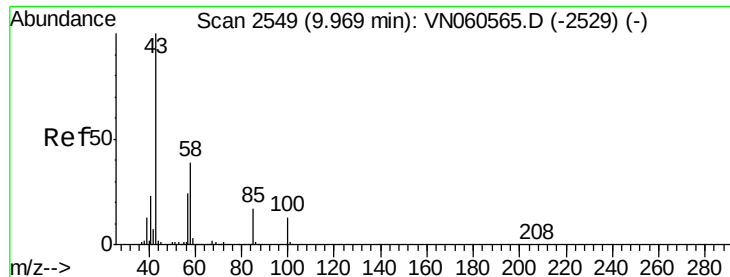
MMDadoda
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#50
Toluene-d8
Concen: 47.717 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN060576.D
Acq: 18 Mar 2020 00:06

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.8	77.8





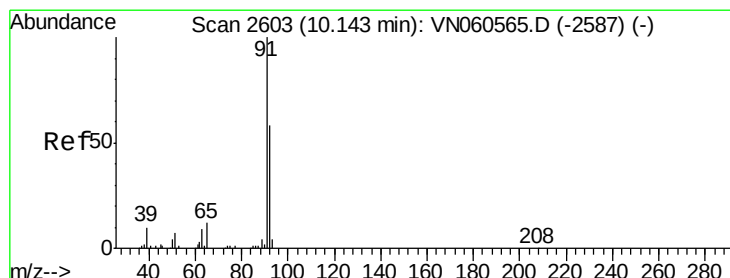
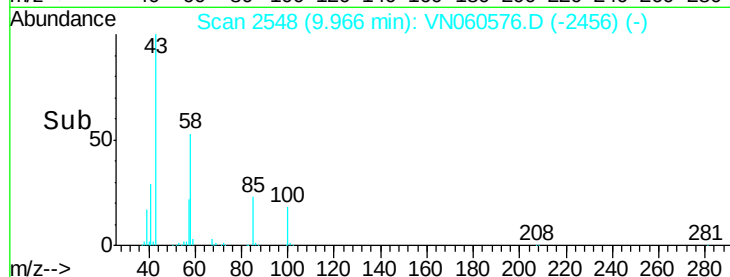
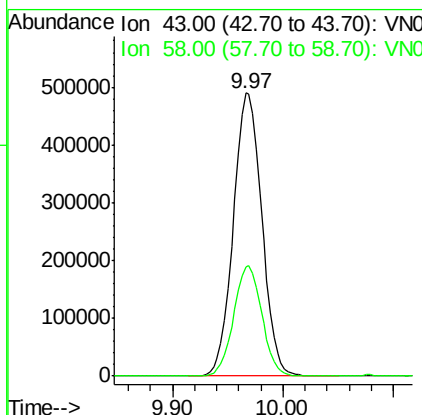
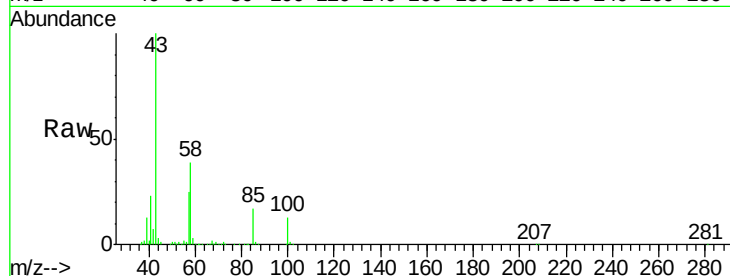
#51
4-Methyl-2-Pentanone
Concen: 252.797 ug/l
RT: 9.97 min Scan# 2548
Delta R.T. -0.00 min
Lab File: VN060576.D
Acq: 18 Mar 2020 00:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.6	30.8	46.2

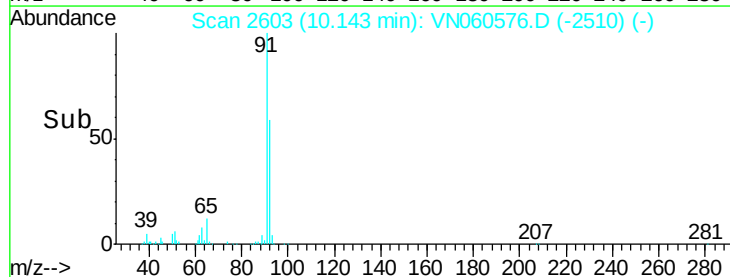
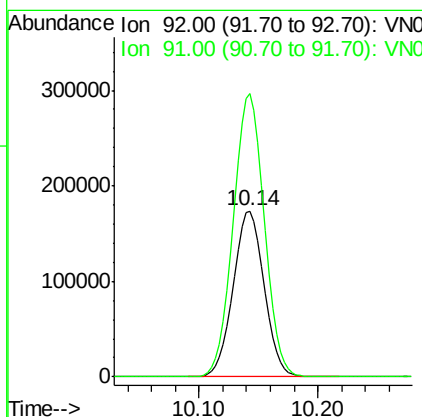
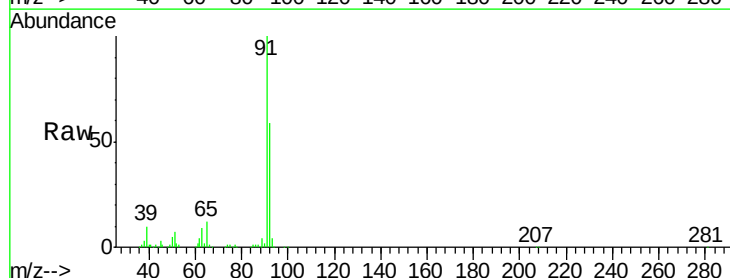
Manual Integrations
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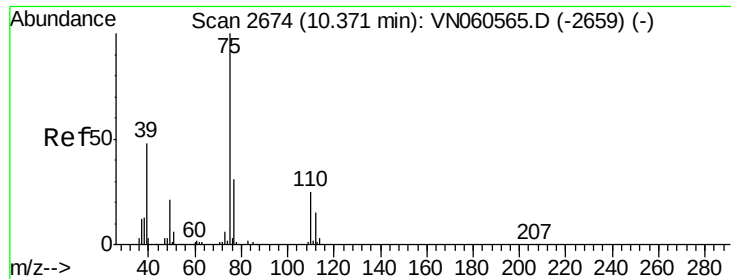
MMDadoda
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#52
Toluene
Concen: 50.001 ug/l
RT: 10.14 min Scan# 2603
Delta R.T. 0.00 min
Lab File: VN060576.D
Acq: 18 Mar 2020 00:06

Tgt Ion	Ratio	Lower	Upper
92	100		
91	171.6	137.6	206.4





#53

t-1,3-Dichloropropene

Concen: 49.806 ug/l

RT: 10.37 min Scan# 2673

Delta R.T. -0.00 min

Lab File: VN060576.D

Acq: 18 Mar 2020 00:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 196171

Ion Ratio Lower Upper

75 100

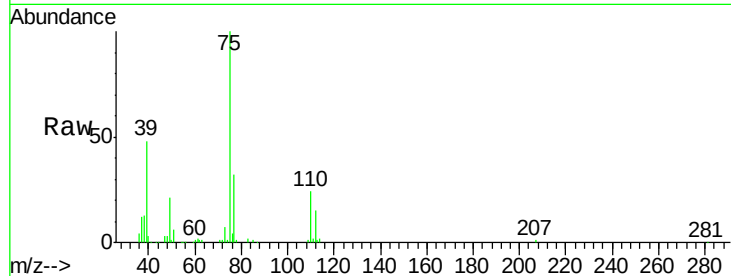
77 31.4 25.1 37.7

Manual Integrations

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MMDadoda

3/19/2020 1:32:16 PM



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.37

120000

100000

80000

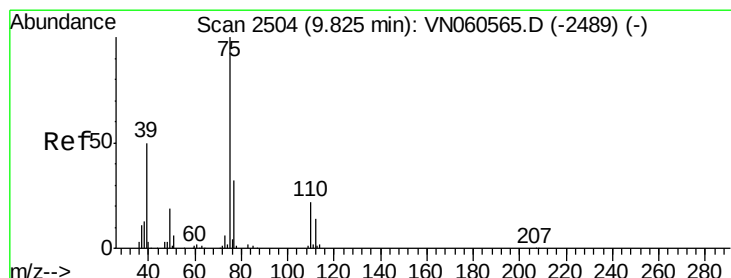
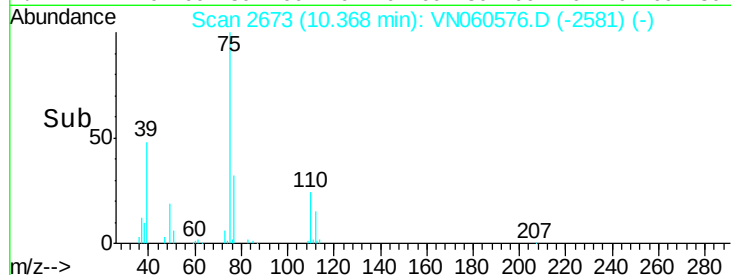
60000

40000

20000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 49.074 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN060576.D

Acq: 18 Mar 2020 00:06

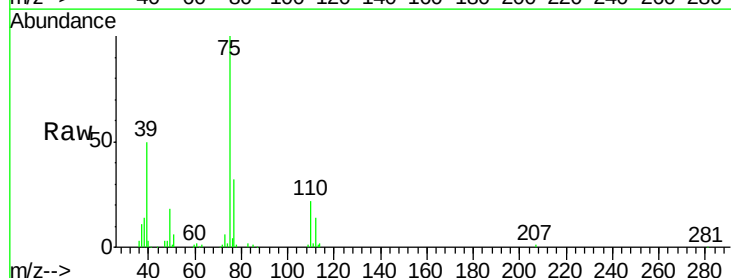
Tgt Ion: 75 Resp: 212050

Ion Ratio Lower Upper

75 100

77 31.7 25.4 38.0

39 50.1 40.2 60.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.82

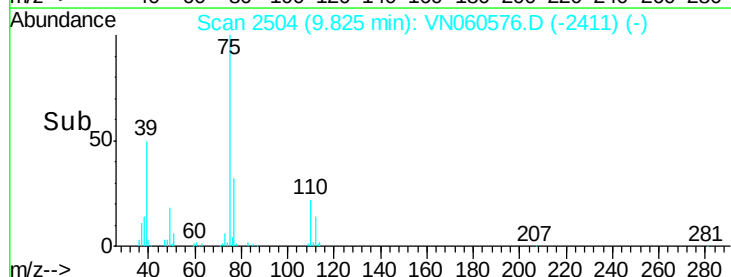
150000

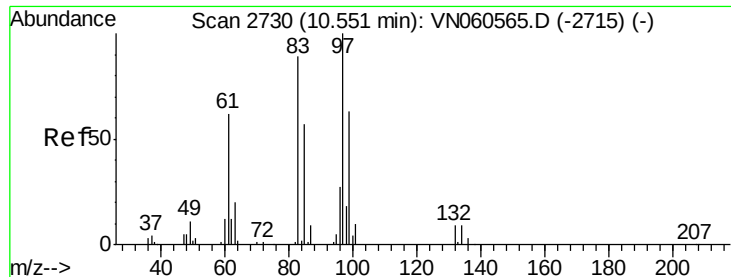
100000

50000

0

Time-->





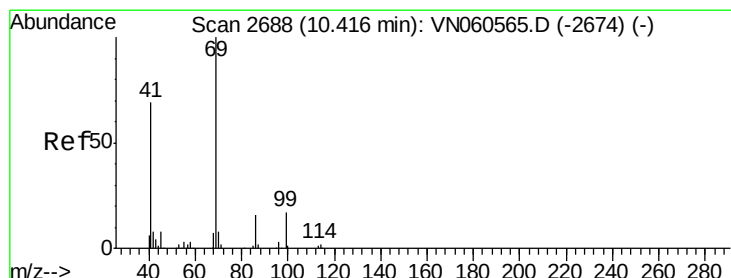
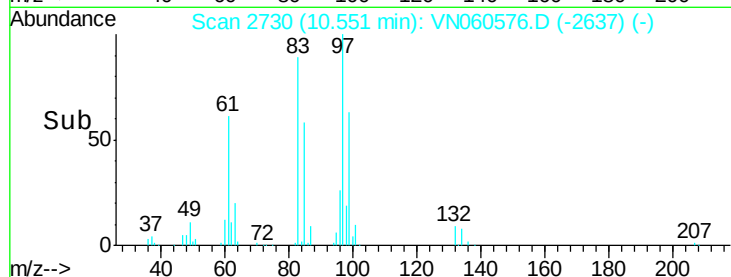
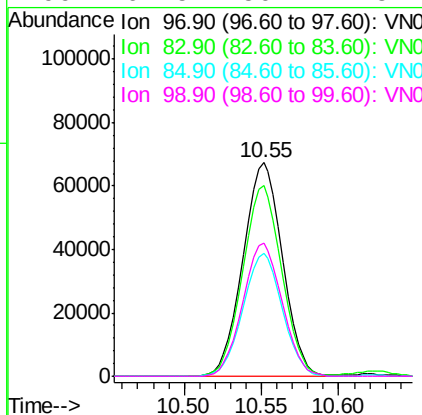
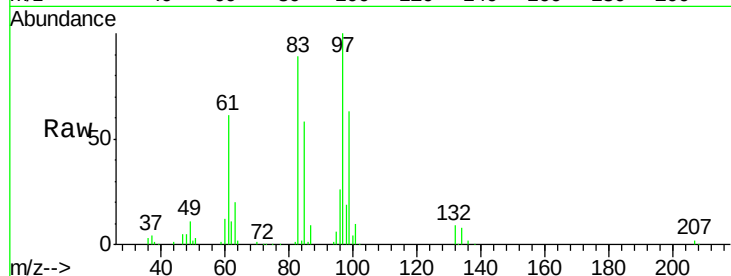
#55
 1,1,2-Trichloroethane
 Concen: 49.906 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. -0.00 min
 Lab File: VN060576.D
 Acq: 18 Mar 2020 00:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	119941
Ion	Ratio	Lower	Upper
97	100		
83	89.3	71.3	106.9
85	57.5	45.2	67.8
99	62.5	50.1	75.1

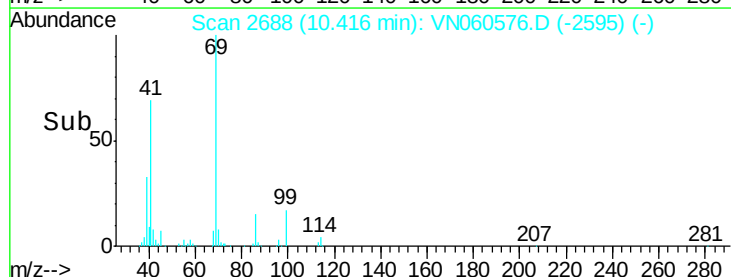
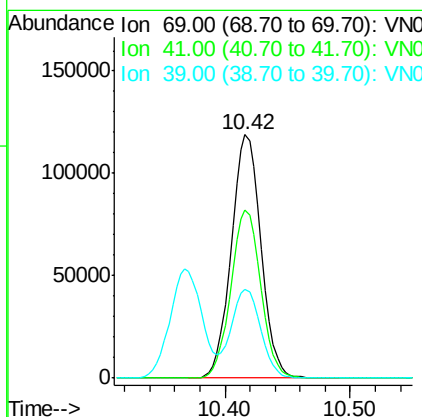
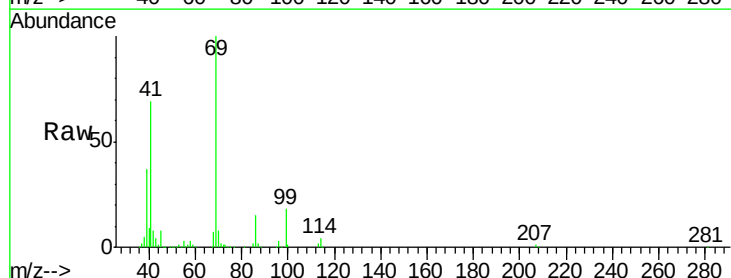
Manual Integrations
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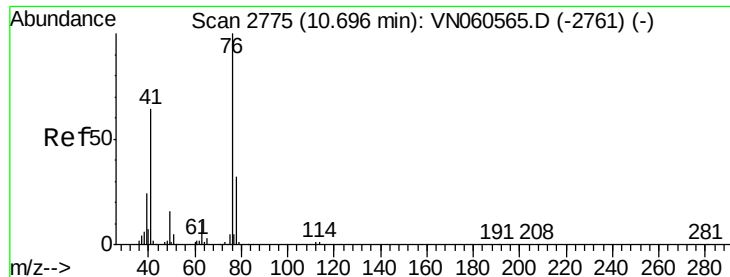
MMDadoda
 3/19/2020 1:32:16 PM



#56
 Ethyl methacrylate
 Concen: 52.106 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN060576.D
 Acq: 18 Mar 2020 00:06

Tgt Ion:	69	Resp:	195257
Ion	Ratio	Lower	Upper
69	100		
41	68.9	55.4	83.2
39	36.6	29.4	44.0





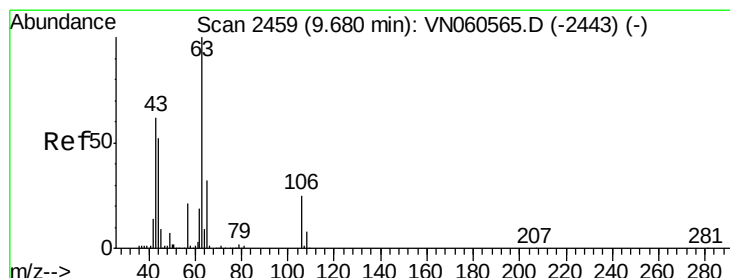
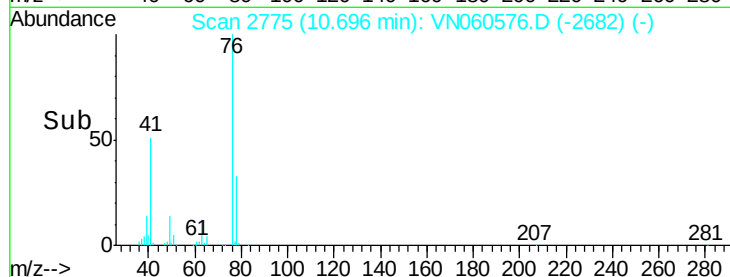
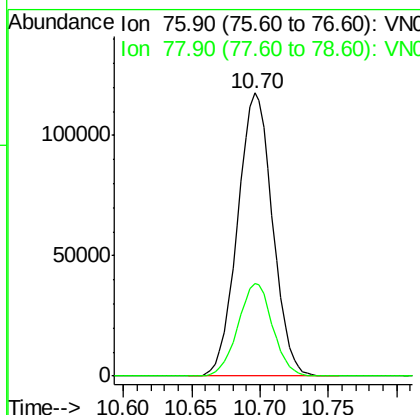
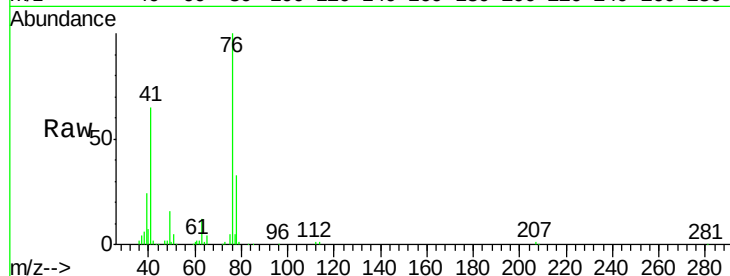
#57
 1,3-Dichloropropane
 Concen: 50.165 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. 0.00 min
 Lab File: VN060576.D
 Acq: 18 Mar 2020 00:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.8	38.6

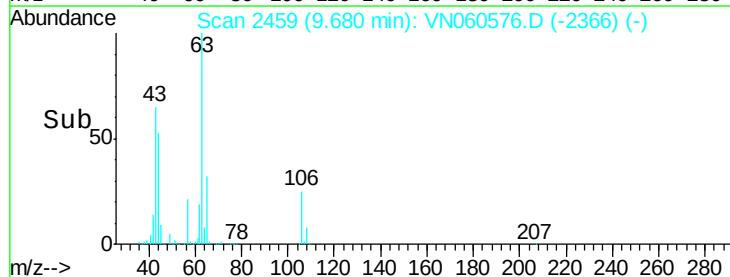
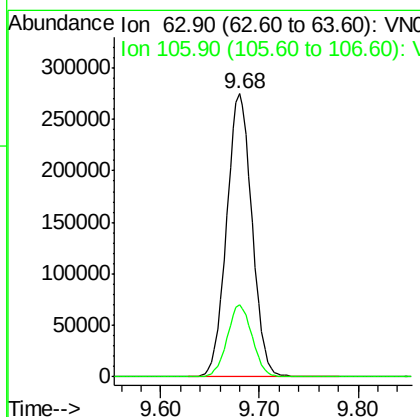
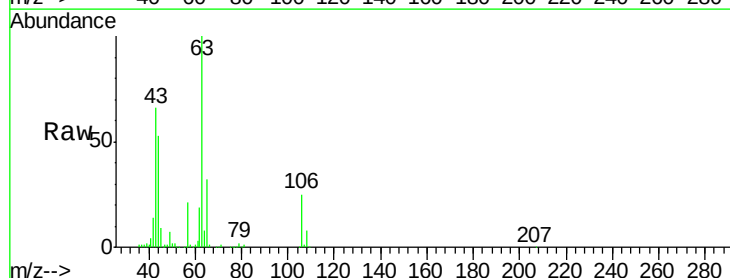
Manual Integrations
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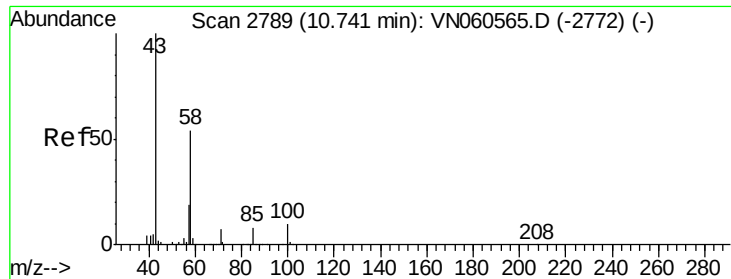
MMDadoda
 3/19/2020 1:32:16 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 265.312 ug/l
 RT: 9.68 min Scan# 2459
 Delta R.T. -0.00 min
 Lab File: VN060576.D
 Acq: 18 Mar 2020 00:06

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.1	20.0	30.0





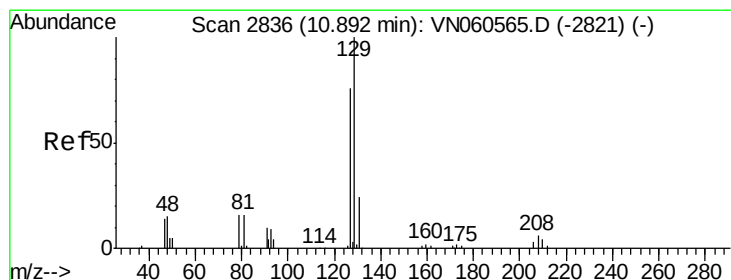
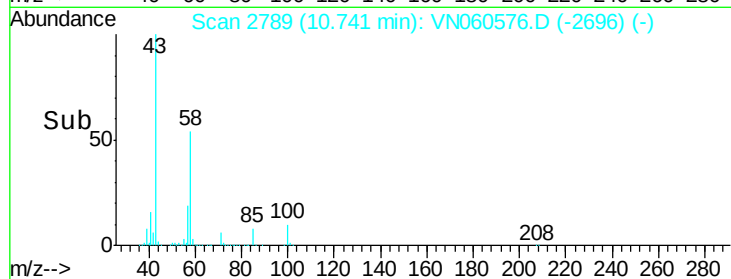
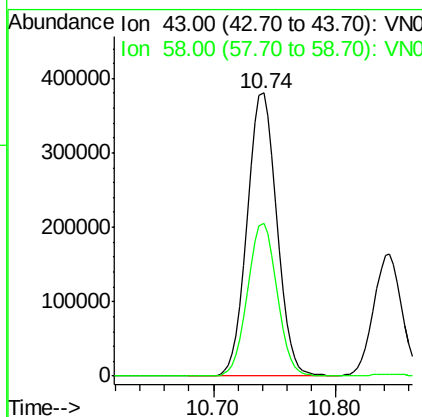
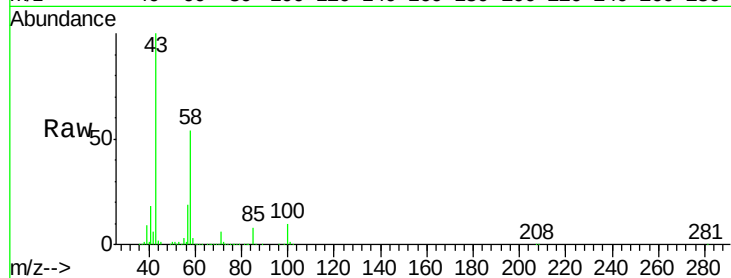
#59
2-Hexanone
Concen: 253.658 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. -0.00 min
Lab File: VN060576.D
Acq: 18 Mar 2020 00:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 634895
Ion Ratio Lower Upper
43 100
58 53.7 26.7 80.1

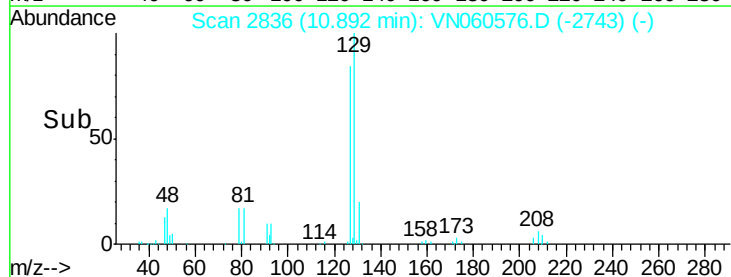
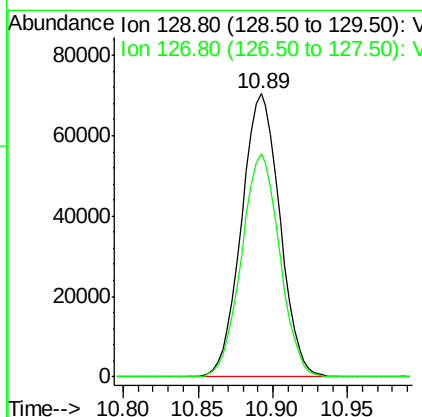
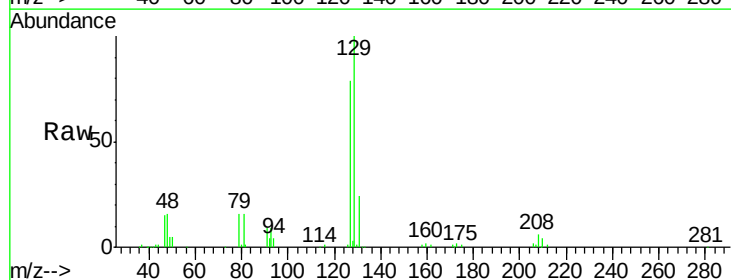
Manual Integrations
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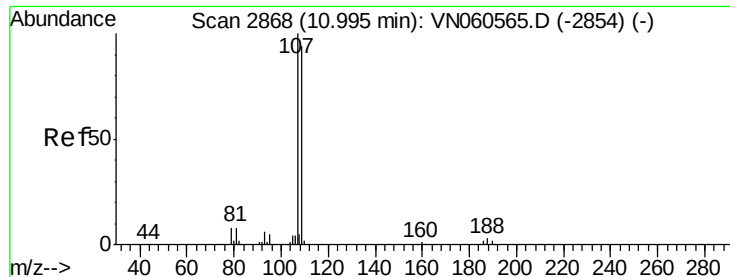
MMDadoda
3/19/2020 1:32:16 PM



#60
Dibromochloromethane
Concen: 50.749 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060576.D
Acq: 18 Mar 2020 00:06

Tgt Ion: 129 Resp: 125986
Ion Ratio Lower Upper
129 100
127 78.1 38.5 115.5





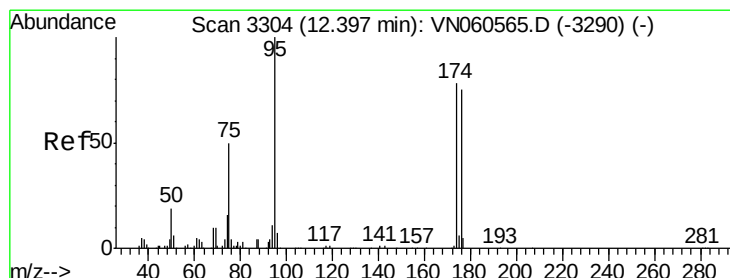
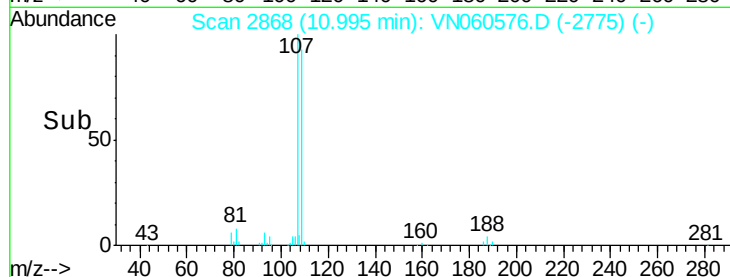
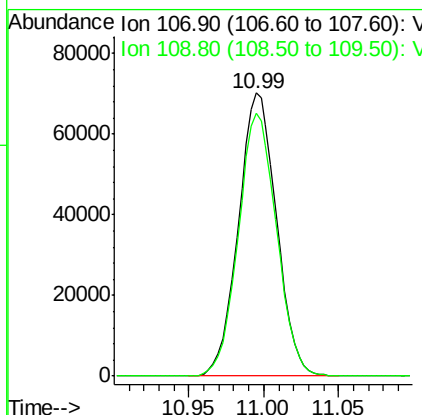
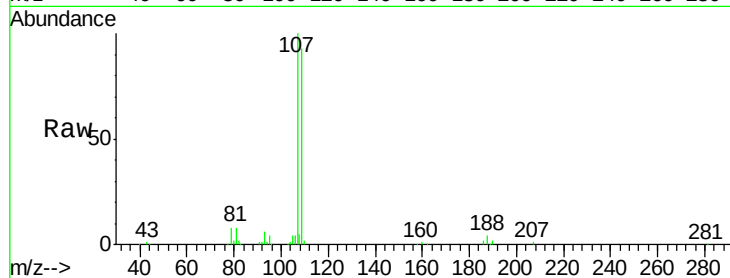
#61
 1,2-Dibromoethane
 Concen: 51.415 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN060576.D
 Acq: 18 Mar 2020 00:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.3	75.4	113.2

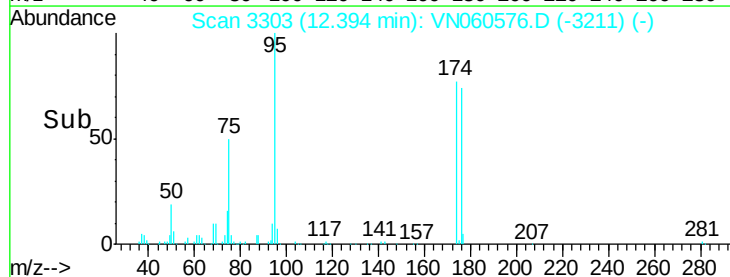
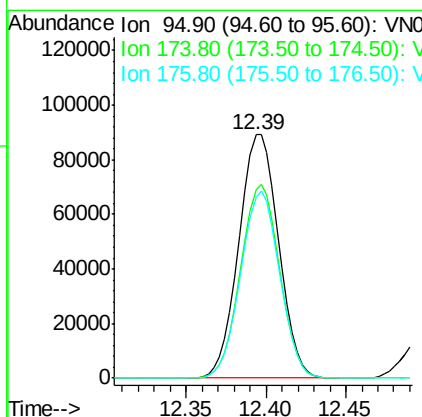
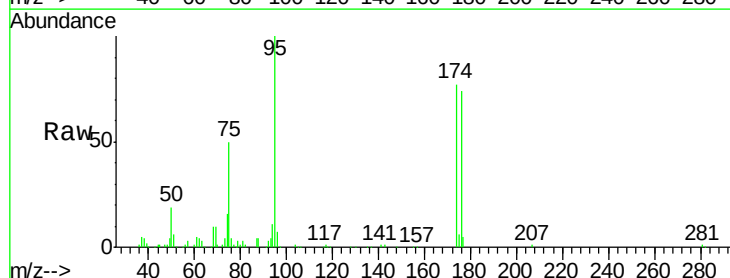
Manual Integrations
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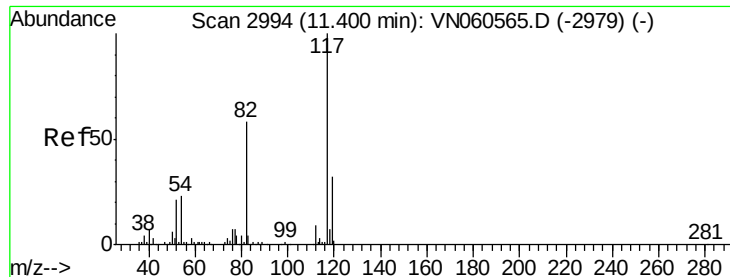
MMDadoda
 3/19/2020 1:32:16 PM



#62
 4-Bromofluorobenzene
 Concen: 47.140 ug/l
 RT: 12.39 min Scan# 3303
 Delta R.T. -0.00 min
 Lab File: VN060576.D
 Acq: 18 Mar 2020 00:06

Tgt Ion	Ratio	Lower	Upper
95	100		
174	78.1	0.0	157.6
176	75.4	0.0	150.6





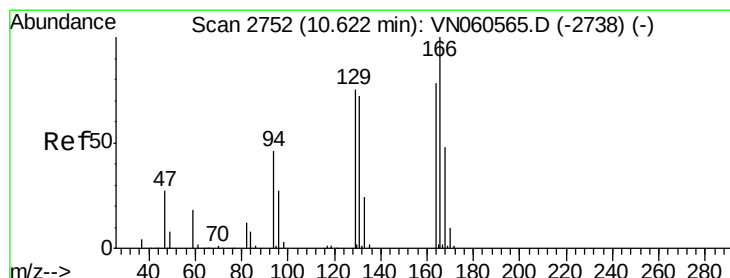
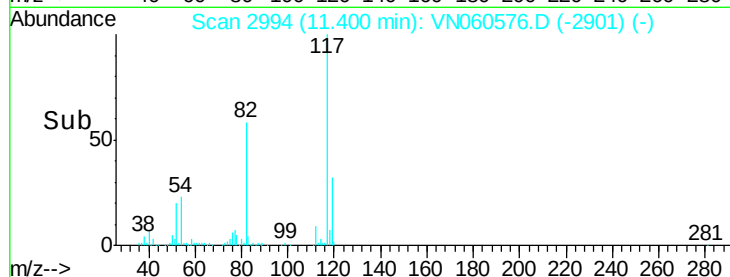
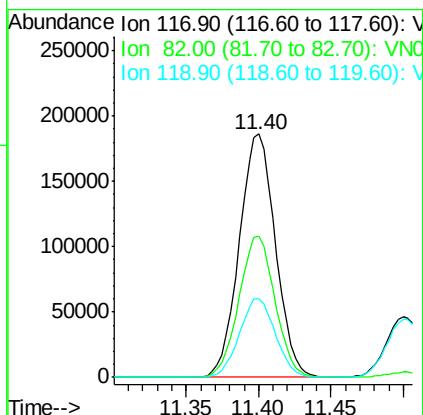
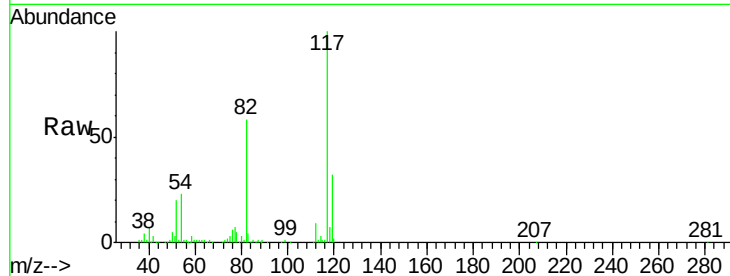
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060576.D
Acq: 18 Mar 2020 00:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.9	46.7	70.1
119	32.5	25.5	38.3

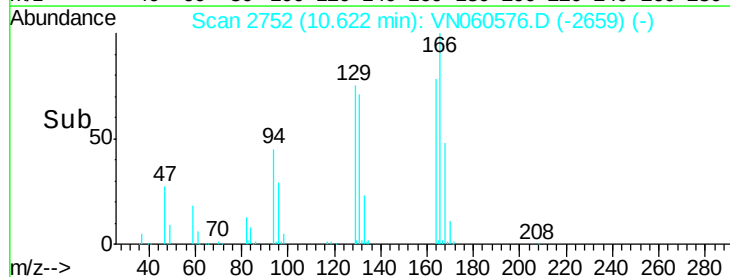
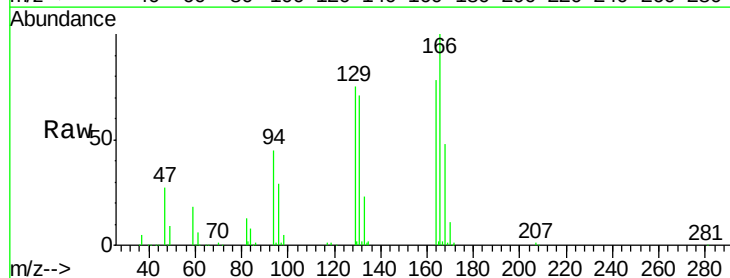
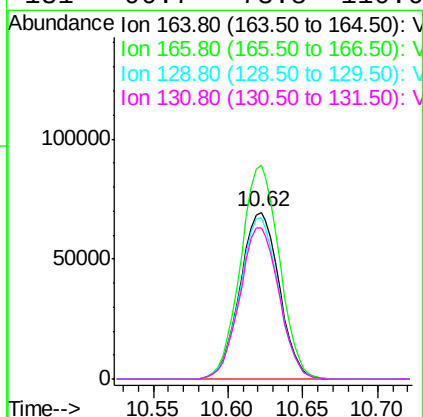
Manual Integrations
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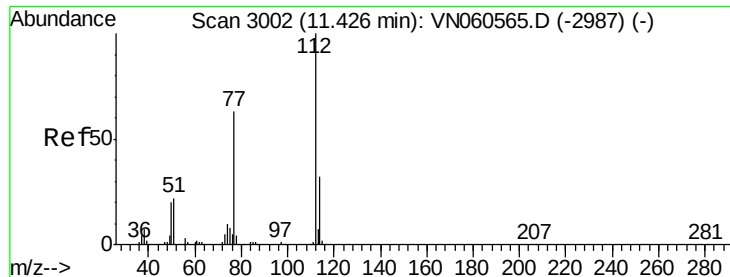
MMDadoda
3/19/2020 1:32:16 PM



#64
Tetrachloroethene
Concen: 49.723 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN060576.D
Acq: 18 Mar 2020 00:06

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.3	102.7	154.1
129	96.5	77.2	115.8
131	90.7	73.8	110.6





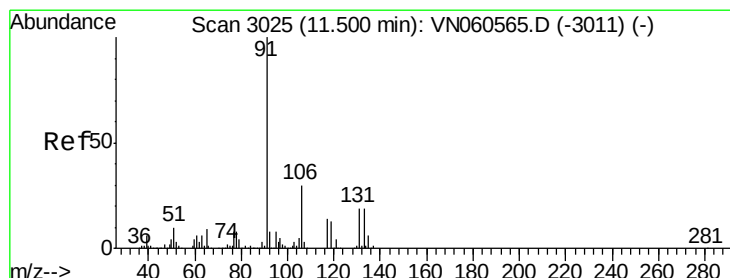
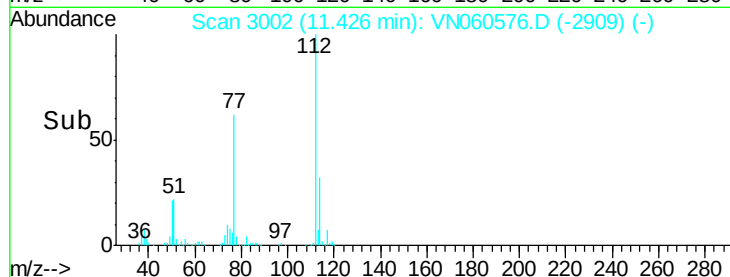
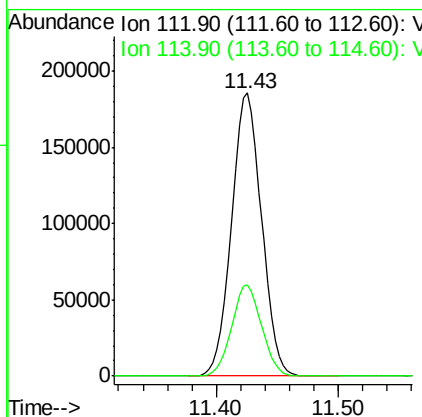
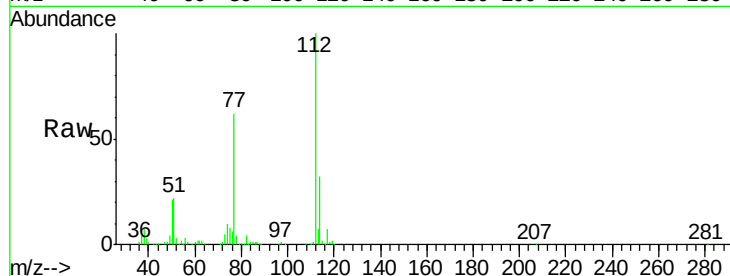
#65
Chlorobenzene
Concen: 49.551 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. -0.00 min
Lab File: VN060576.D
Acq: 18 Mar 2020 00:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.5	25.8	38.6

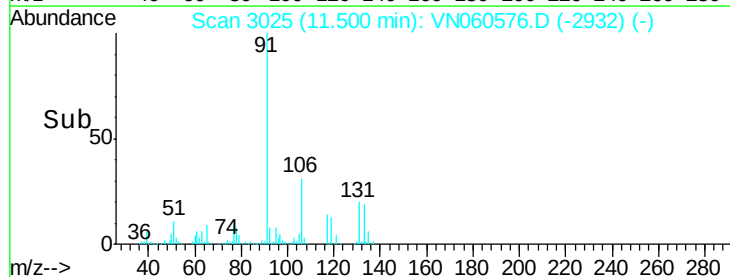
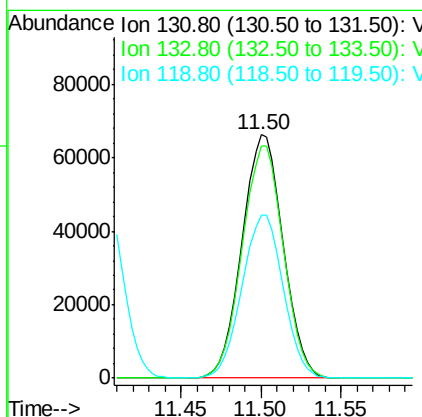
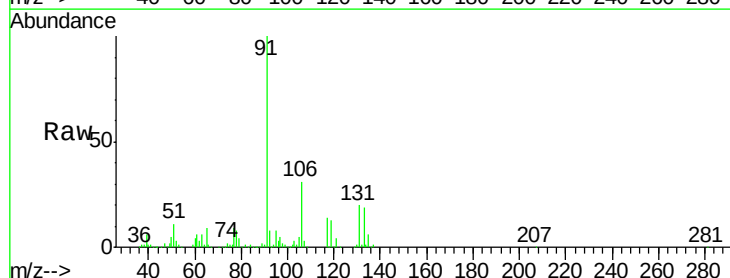
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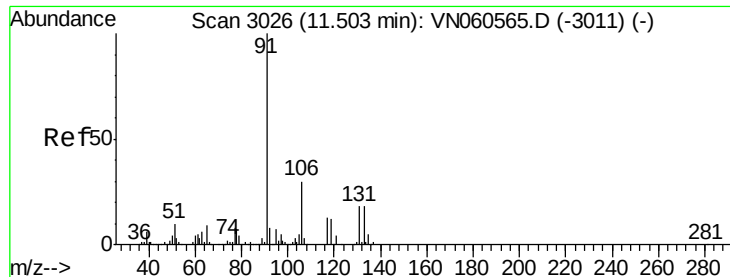
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 50.124 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN060576.D
Acq: 18 Mar 2020 00:06

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.0	48.9	146.8
119	67.3	33.9	101.7





#67

Ethyl Benzene

Concen: 50.319 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN060576.D

Acq: 18 Mar 2020 00:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 598904

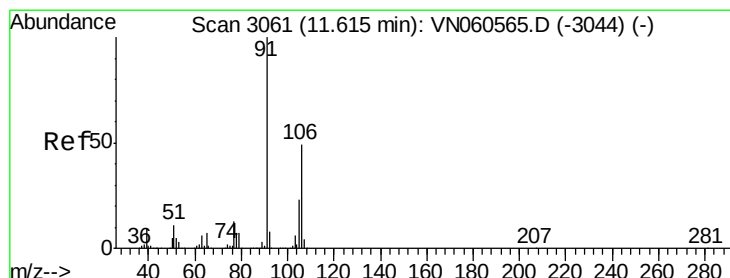
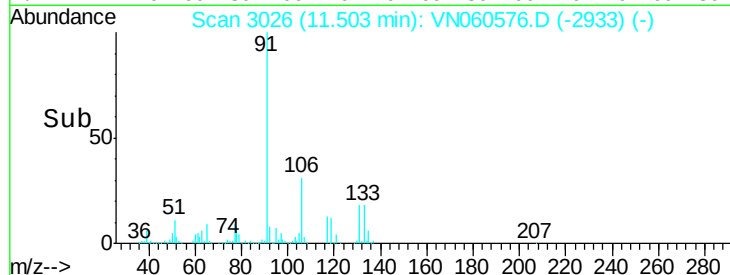
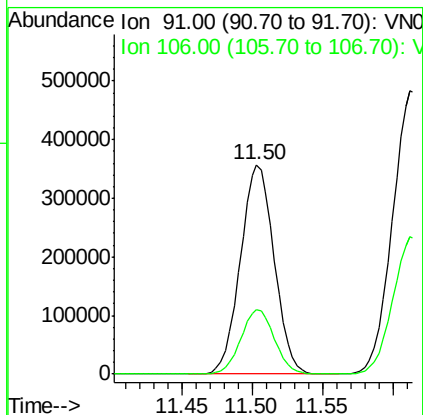
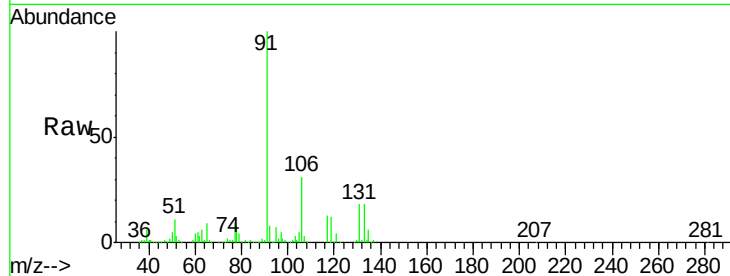
Ion Ratio Lower Upper

91 100

106 30.6 24.2 36.2

Manual Integrations
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#68

m/p-Xylenes

Concen: 100.774 ug/l

RT: 11.61 min Scan# 3060

Delta R.T. -0.00 min

Lab File: VN060576.D

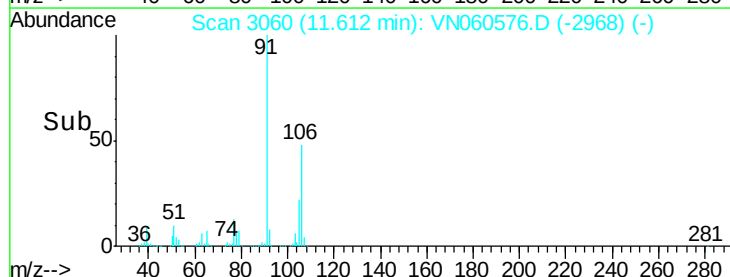
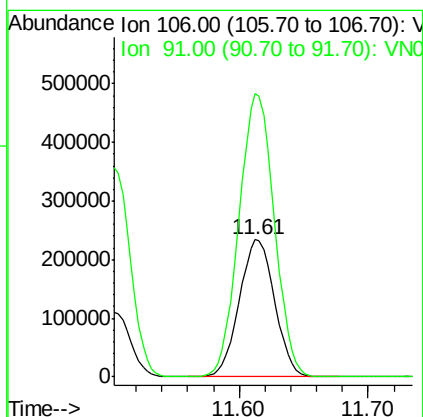
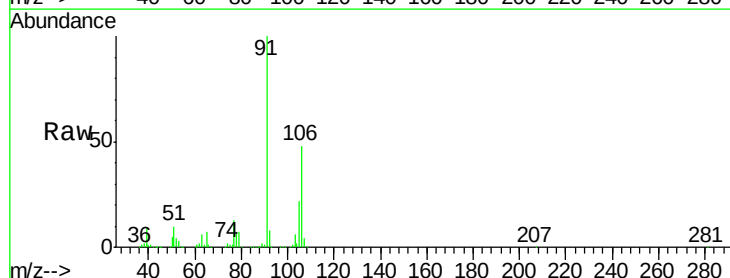
Acq: 18 Mar 2020 00:06

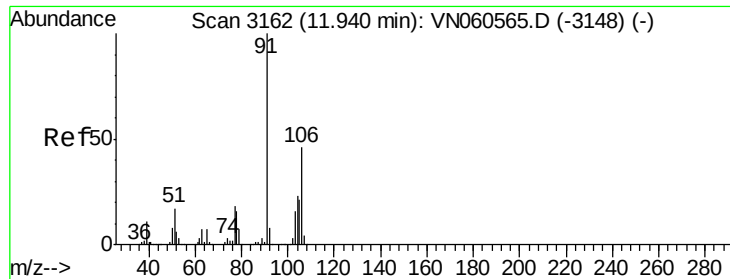
Tgt Ion: 106 Resp: 445710

Ion Ratio Lower Upper

106 100

91 206.4 165.0 247.4





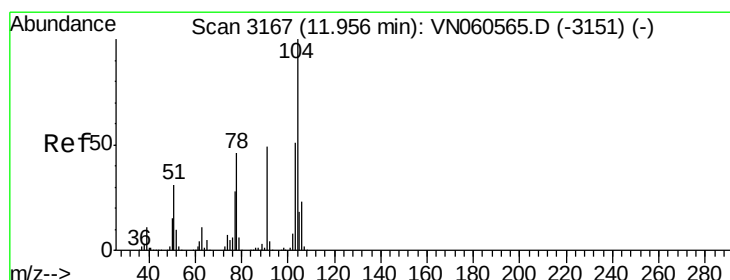
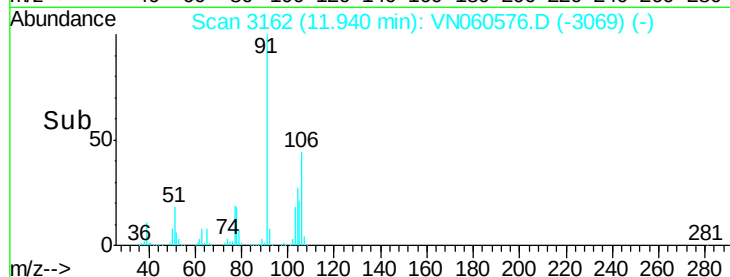
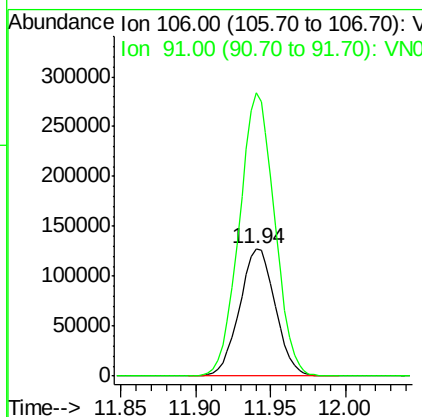
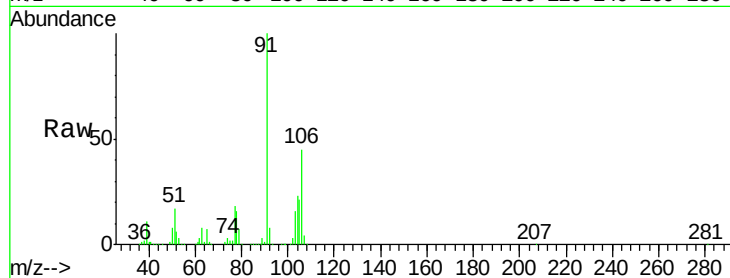
#69
o-Xylene
Concen: 50.158 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN060576.D
Acq: 18 Mar 2020 00:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 211775
Ion Ratio Lower Upper
106 100
91 220.0 109.5 328.4

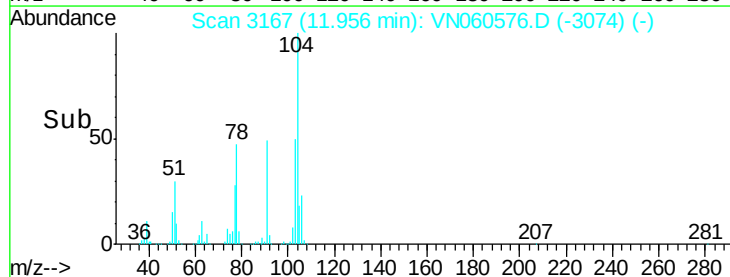
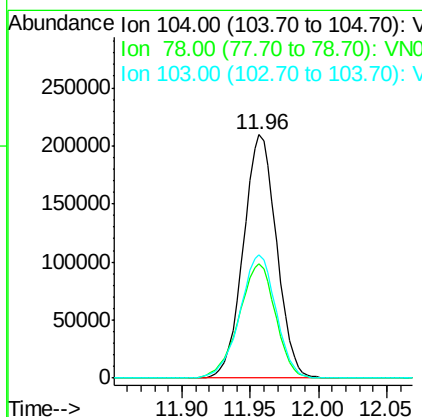
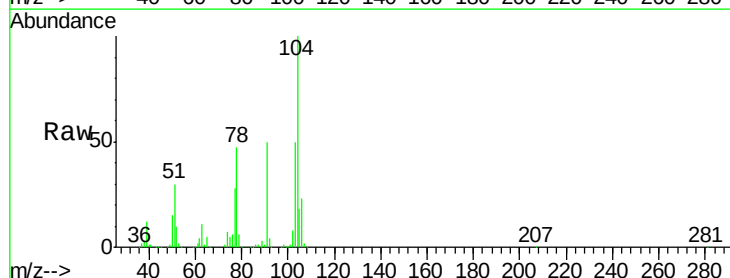
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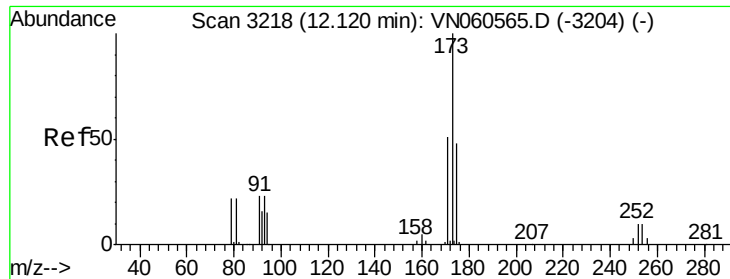
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#70
Styrene
Concen: 51.230 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN060576.D
Acq: 18 Mar 2020 00:06

Tgt Ion:104 Resp: 353756
Ion Ratio Lower Upper
104 100
78 51.8 41.2 61.8
103 54.9 44.0 66.0





#71

Bromoform

Concen: 47.081 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN060576.D

Acq: 18 Mar 2020 00:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 90480

Ion Ratio Lower Upper

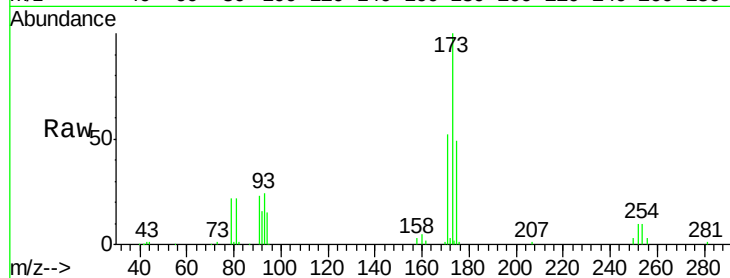
173 100

175 48.5 24.1 72.4

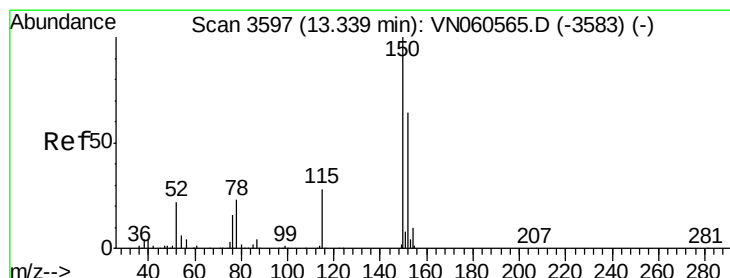
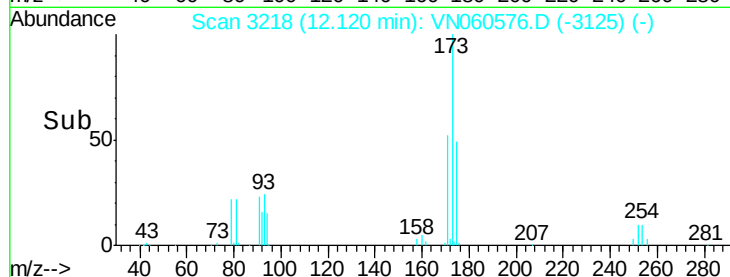
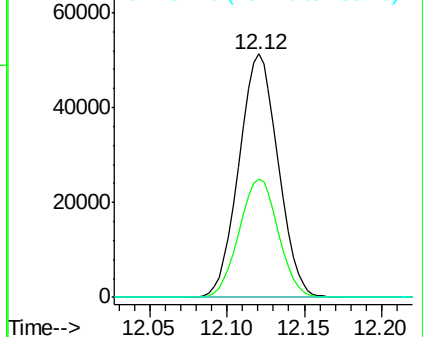
254 0.0 0.0 0.0

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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. -0.00 min

Lab File: VN060576.D

Acq: 18 Mar 2020 00:06

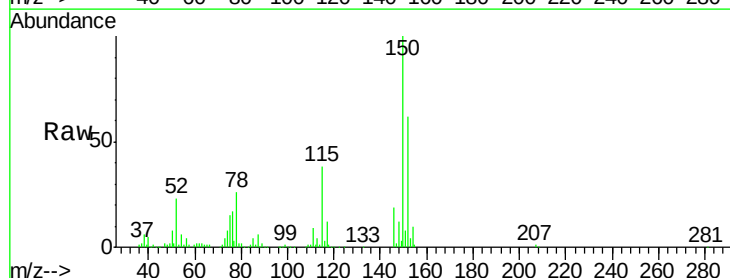
Tgt Ion:152 Resp: 152460

Ion Ratio Lower Upper

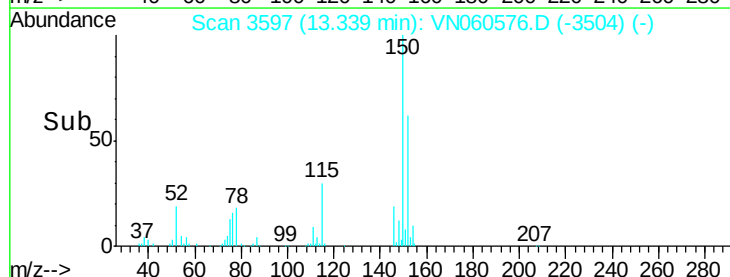
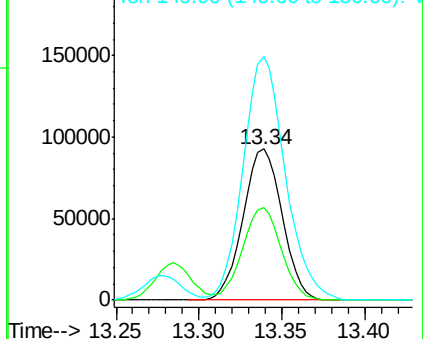
152 100

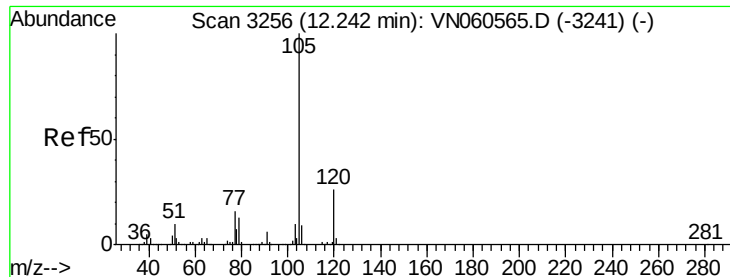
115 60.3 30.2 90.6

150 173.5 0.0 350.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.037 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN060576.D

Acq: 18 Mar 2020 00:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 572497

Ion Ratio Lower Upper

105 100

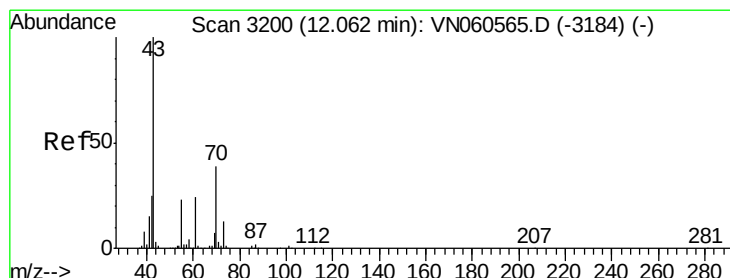
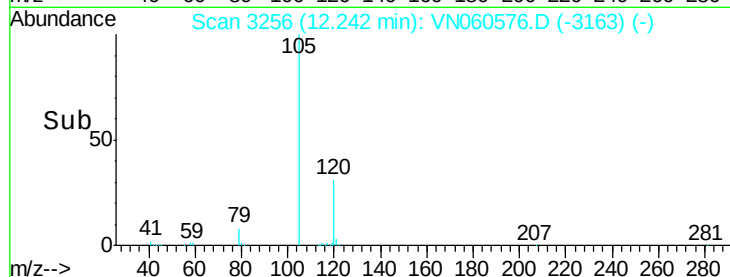
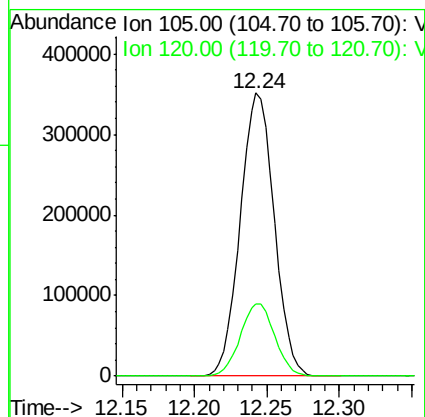
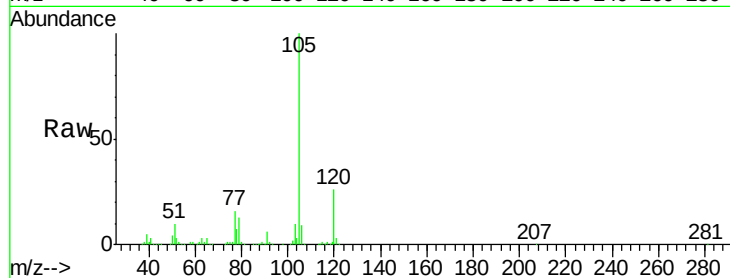
120 25.8 13.1 39.1

Manual Integrations

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#74

N-ethyl acetate

Concen: 49.967 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN060576.D

Acq: 18 Mar 2020 00:06

Tgt Ion: 43 Resp: 264173

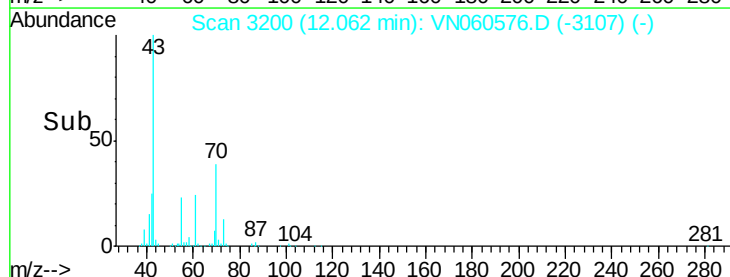
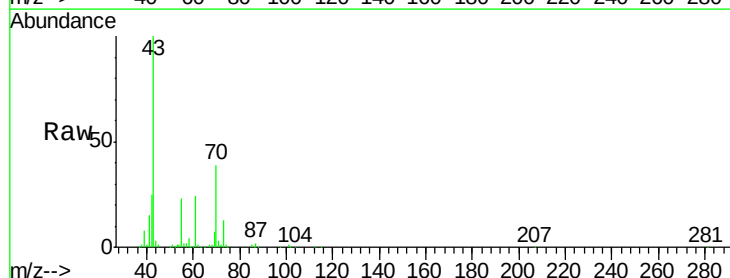
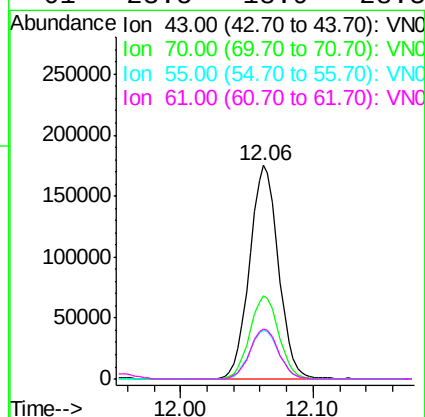
Ion Ratio Lower Upper

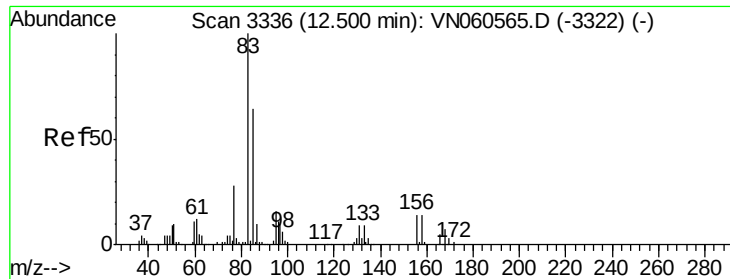
43 100

70 39.2 31.1 46.7

55 23.3 18.6 27.8

61 23.5 18.9 28.3





#75

1,1,2,2-Tetrachloroethane

Concen: 48.676 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060576.D

Acq: 18 Mar 2020 00:06

Instrument :

MSVOA_N

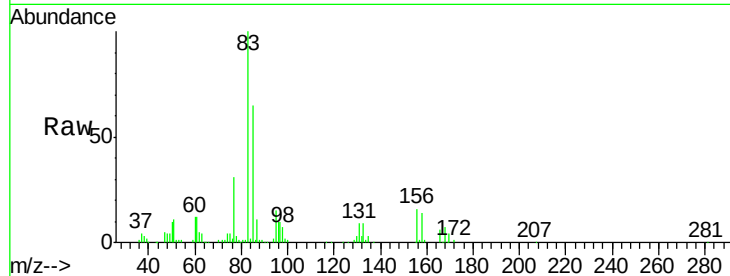
ClientSampleId :

VSTDCCC050EC

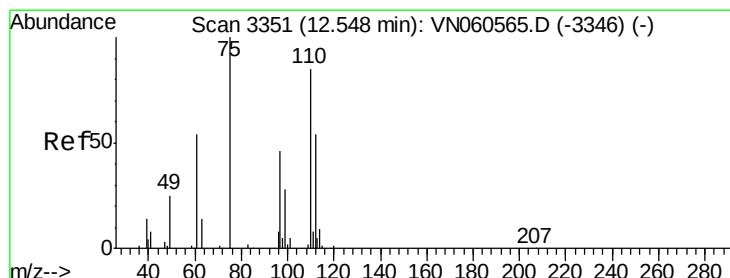
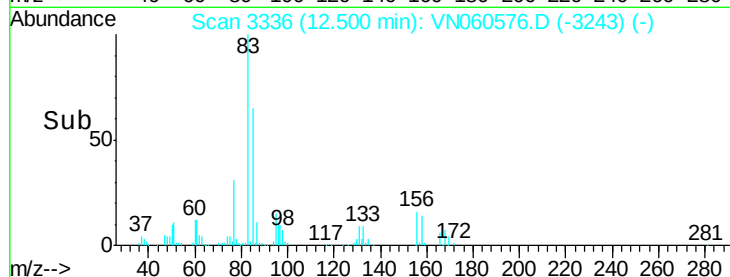
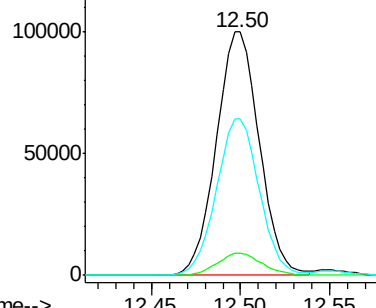
Tot Ion:	83	Resp:	168420
Ion Ratio	Lower	Upper	
83	100		
131	9.6	4.9	14.7
85	63.9	32.5	97.4

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN060576.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 50.789 ug/l m

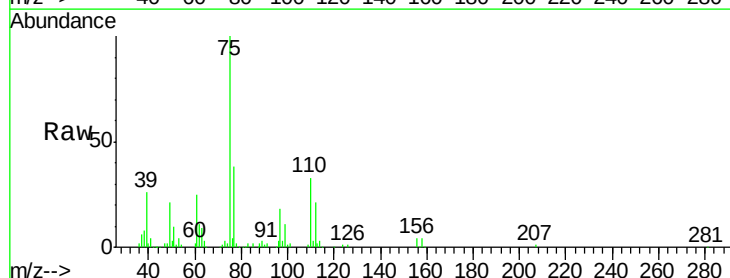
RT: 12.55 min Scan# 3351

Delta R.T. -0.00 min

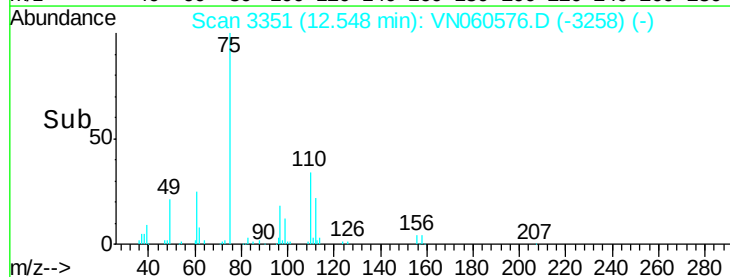
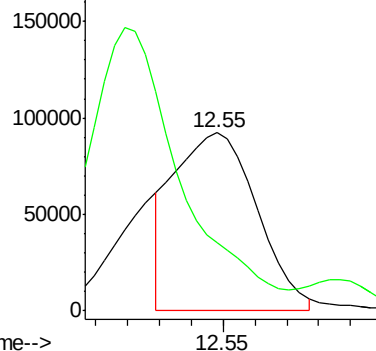
Lab File: VN060576.D

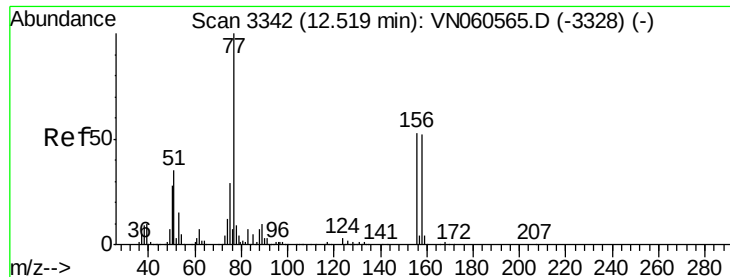
Acq: 18 Mar 2020 00:06

Tgt Ion:	75	Resp:	167083
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN060576.D (-3258) (-)





#77

Bromobenzene

Concen: 49.217 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN060576.D

Acq: 18 Mar 2020 00:06

Instrument :

MSVOA_N

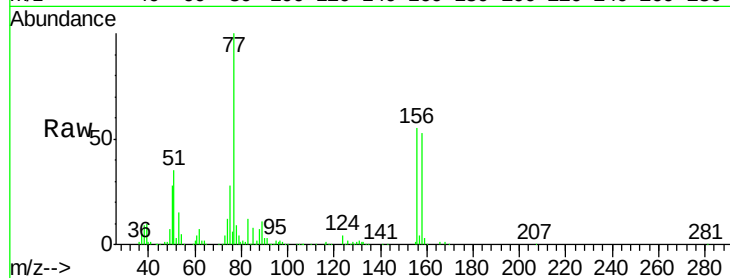
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	135692
Ion Ratio	Lower	Upper	
156	100		
77	220.9	112.3	337.0
158	97.4	48.6	145.8

Manual Integrations
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V

200000

150000

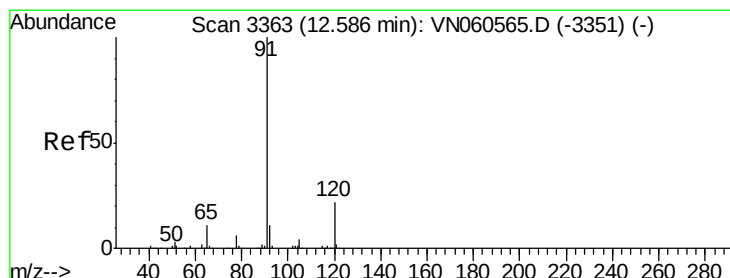
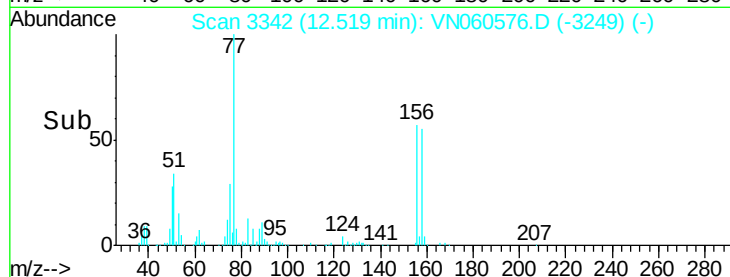
100000

50000

0

12.45 12.50 12.55 12.60

Time-->



#78

n-propylbenzene

Concen: 49.624 ug/l

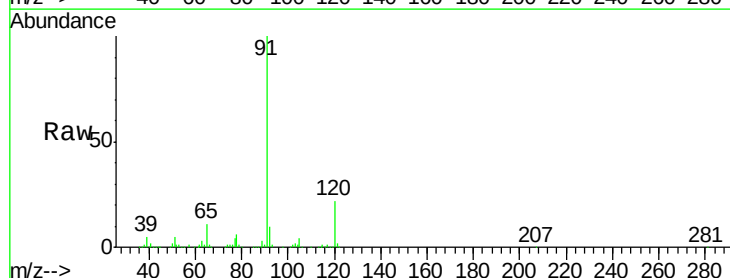
RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN060576.D

Acq: 18 Mar 2020 00:06

Tgt Ion:	91	Resp:	670786
Ion Ratio	Lower	Upper	
91	100		
120	22.0	11.3	33.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

500000

400000

300000

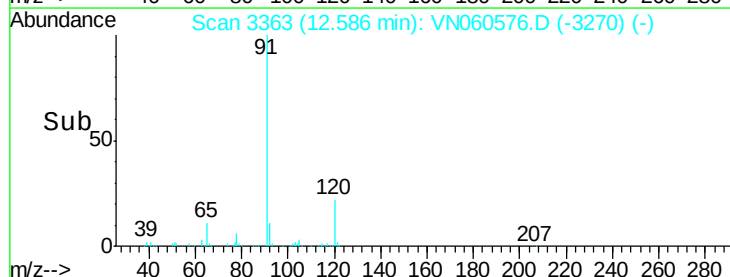
200000

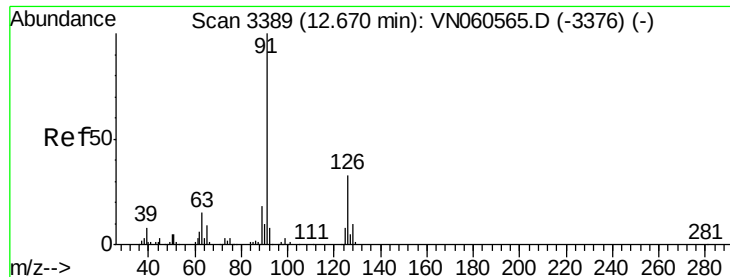
100000

0

12.55 12.60 12.65

Time-->





#79

2-Chlorotoluene

Concen: 48.558 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN060576.D

Acq: 18 Mar 2020 00:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 392188

Ion Ratio Lower Upper

91 100

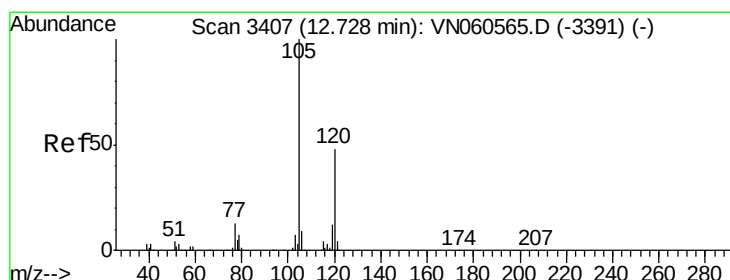
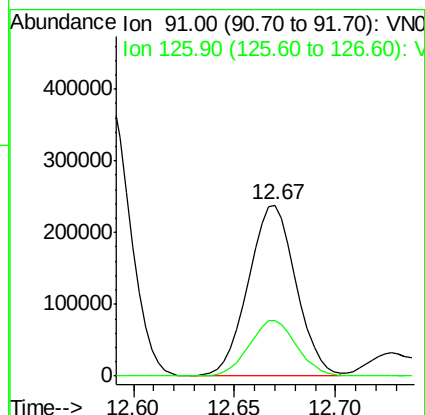
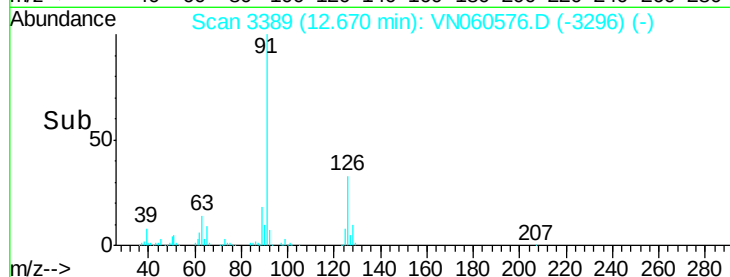
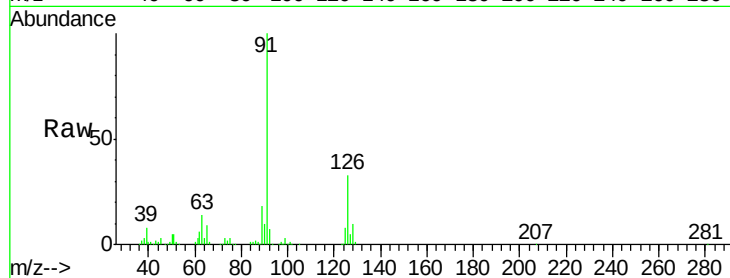
126 32.8 16.4 49.1

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 49.490 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN060576.D

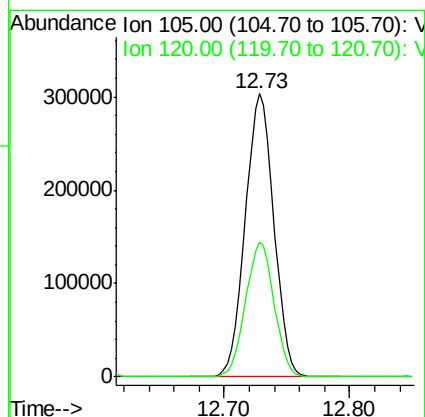
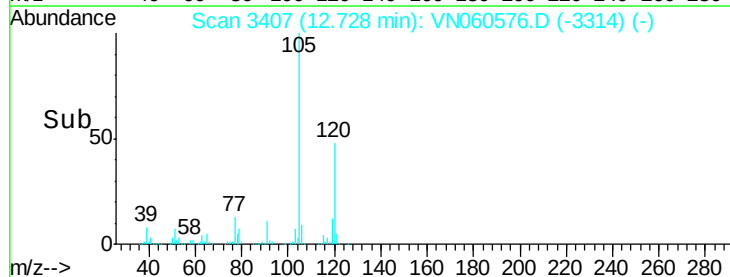
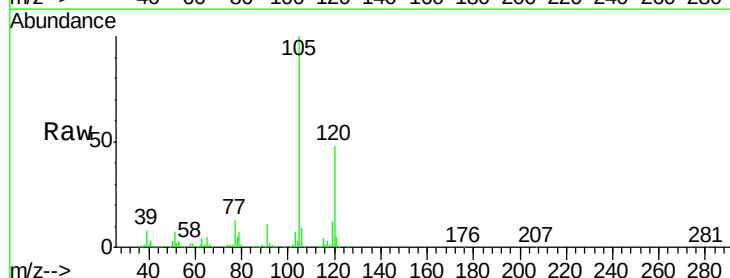
Acq: 18 Mar 2020 00:06

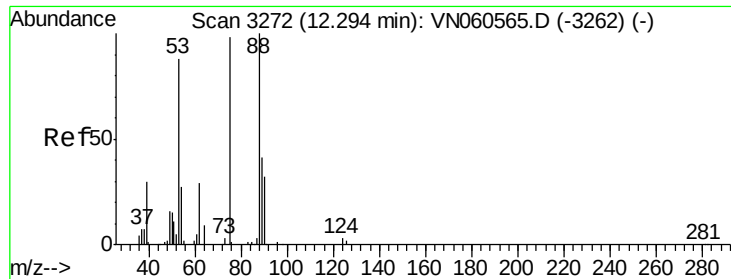
Tgt Ion:105 Resp: 480530

Ion Ratio Lower Upper

105 100

120 47.5 23.9 71.7





#81

trans-1,4-Dichloro-2-butene

Concen: 47.501 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. -0.00 min

Lab File: VN060576.D

Acq: 18 Mar 2020 00:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 60845

Ion Ratio Lower Upper

75 100

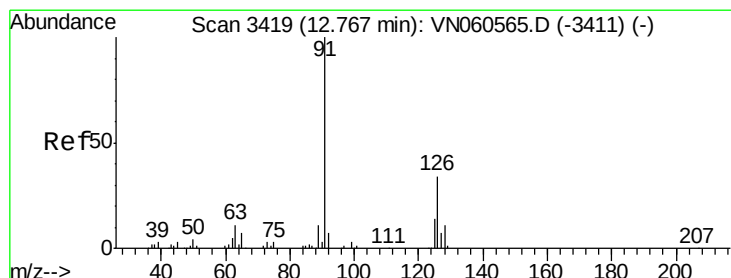
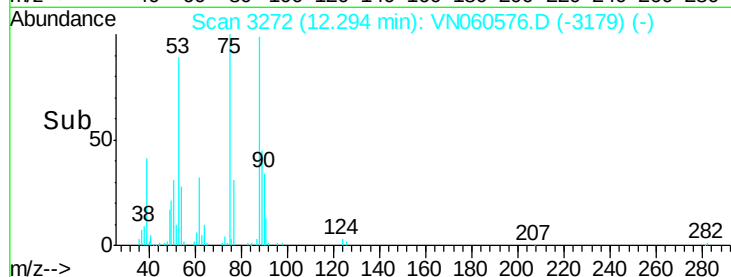
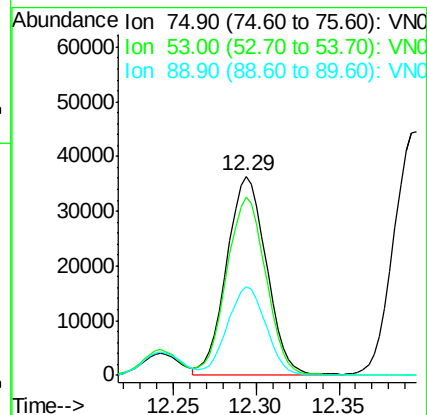
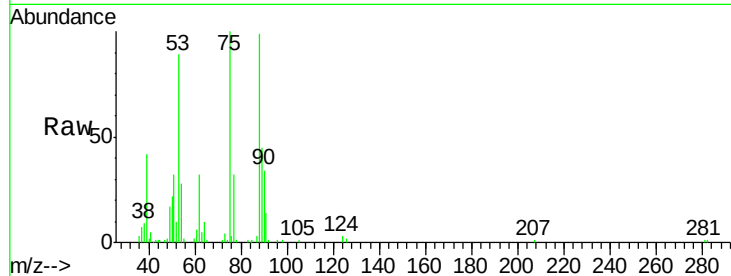
53 88.7 73.0 109.4

89 43.1 34.8 52.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 49.297 ug/l

RT: 12.77 min Scan# 3419

Delta R.T. -0.00 min

Lab File: VN060576.D

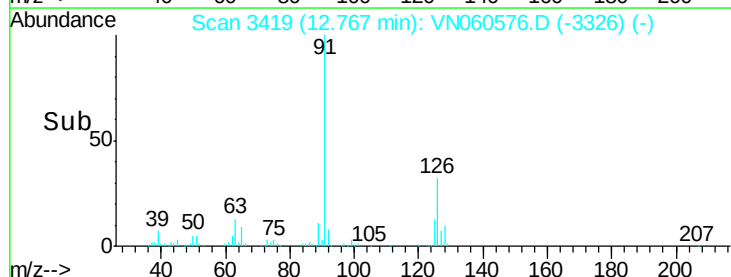
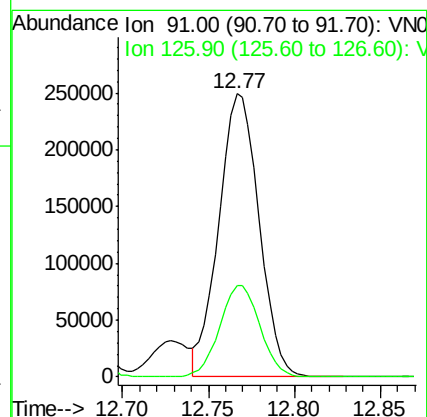
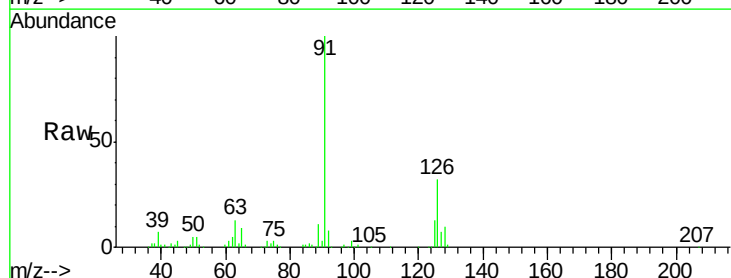
Acq: 18 Mar 2020 00:06

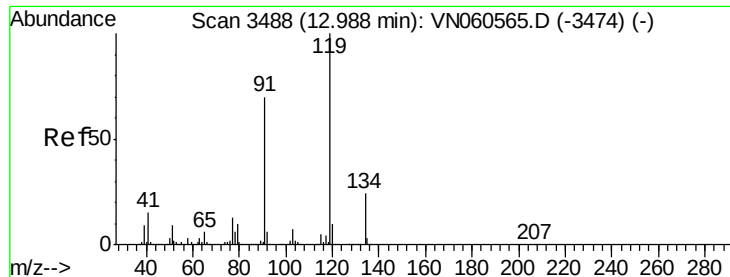
Tgt Ion: 91 Resp: 405517

Ion Ratio Lower Upper

91 100

126 32.4 16.2 48.5





#83

tert-Butylbenzene

Concen: 49.478 ug/l

RT: 12.99 min Scan# 3488

Delta R.T. -0.00 min

Lab File: VN060576.D

Acq: 18 Mar 2020 00:06

Instrument :

MSVOA_N

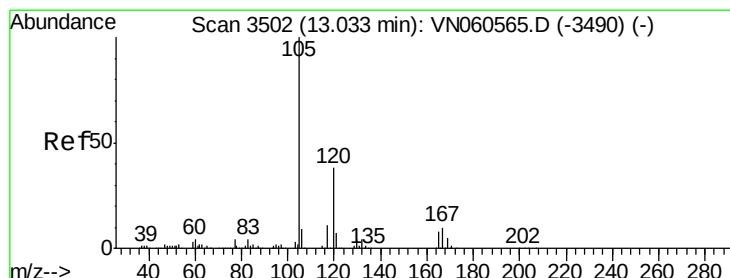
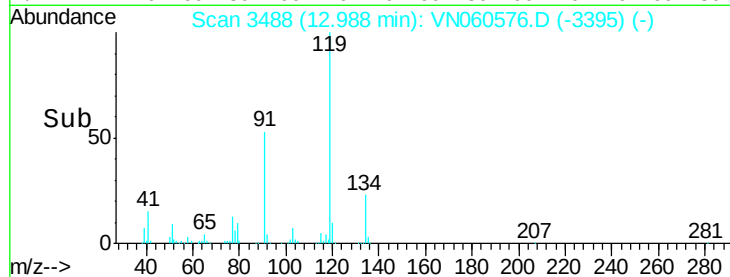
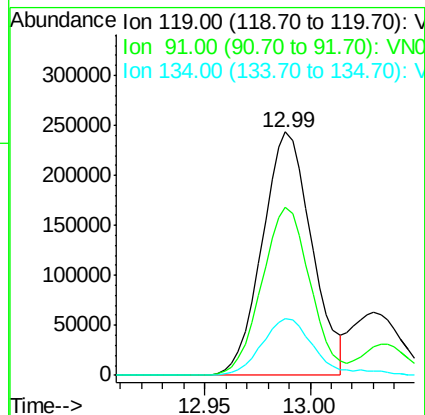
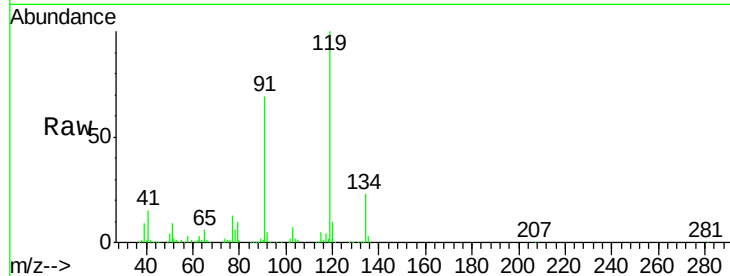
ClientSampleId :

VSTDCCC050EC

Tot Ion:	119	Resp:	398243
Ion Ratio	Lower	Upper	
119	100		
91	67.9	34.0	101.8
134	25.1	12.7	38.0

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 49.812 ug/l

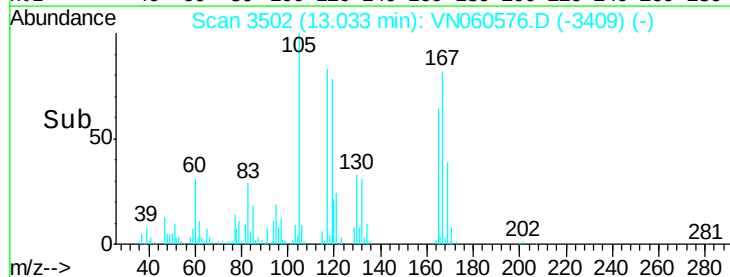
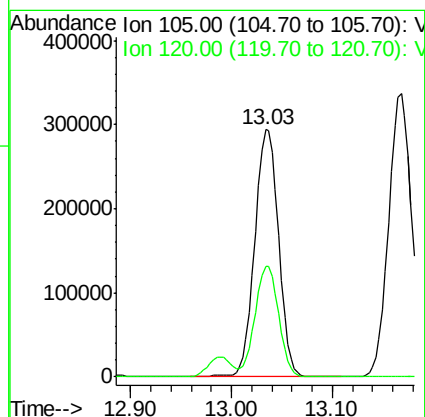
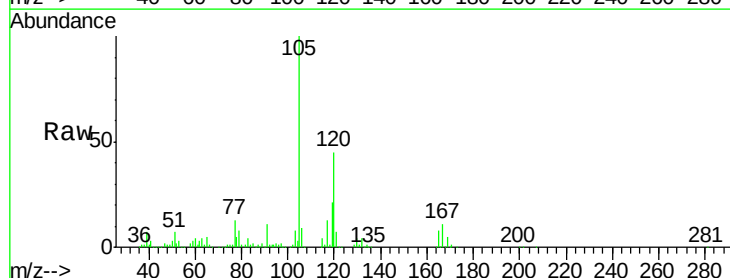
RT: 13.03 min Scan# 3502

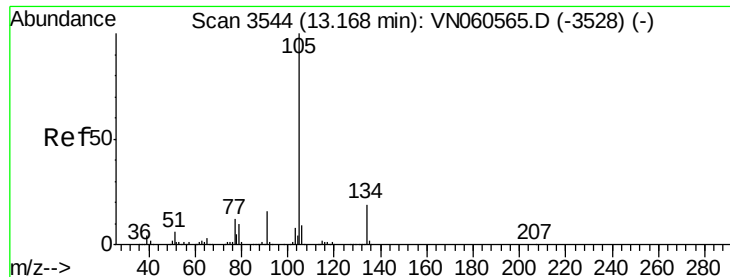
Delta R.T. -0.00 min

Lab File: VN060576.D

Acq: 18 Mar 2020 00:06

Tgt Ion:	105	Resp:	478486
Ion Ratio	Lower	Upper	
105	100		
120	44.2	22.1	66.5





#85

sec-Butylbenzene

Concen: 49.991 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN060576.D

Acq: 18 Mar 2020 00:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 541080

Ion Ratio Lower Upper

105 100

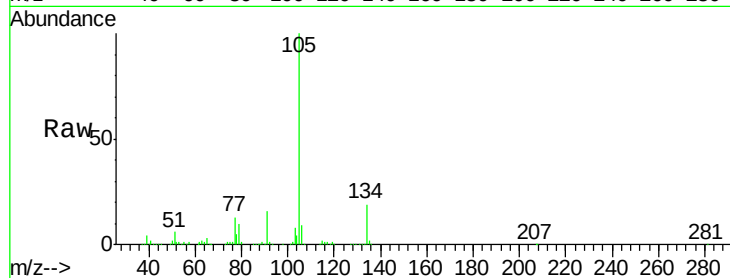
134 19.2 9.6 28.8

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

300000

200000

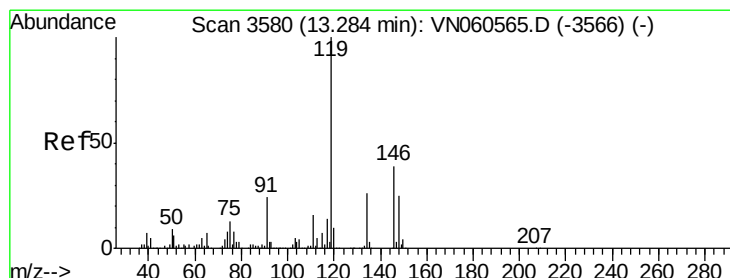
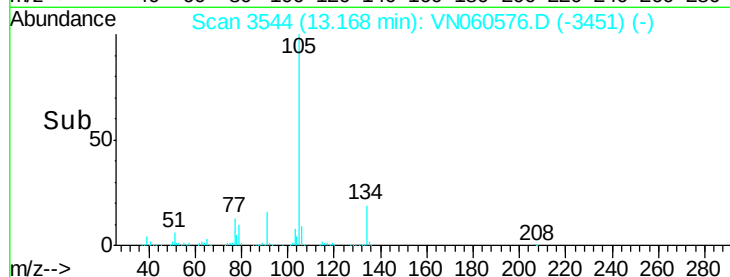
100000

0

Time-->

13.10

13.20



#86

p-Isopropyltoluene

Concen: 49.453 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN060576.D

Acq: 18 Mar 2020 00:06

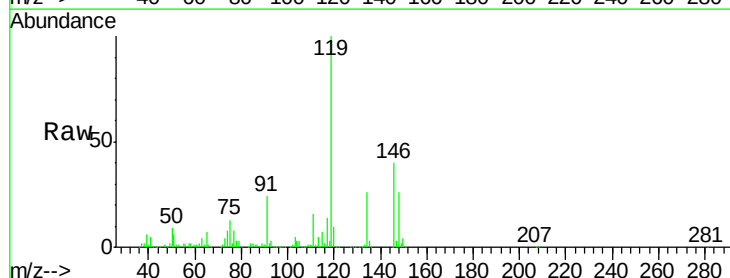
Tgt Ion:119 Resp: 481312

Ion Ratio Lower Upper

119 100

134 25.9 13.0 39.0

91 23.9 12.0 36.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.28

300000

200000

100000

0

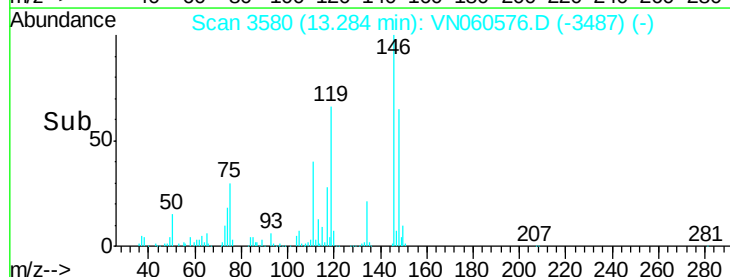
Time-->

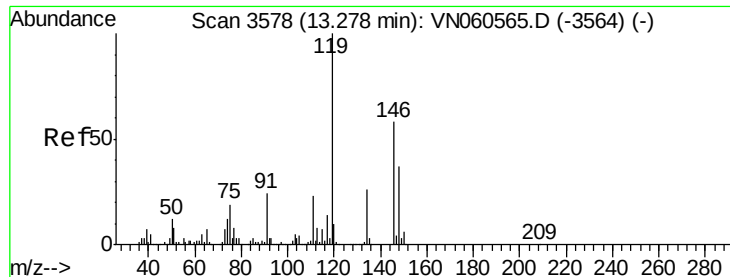
13.20

13.25

13.30

13.35





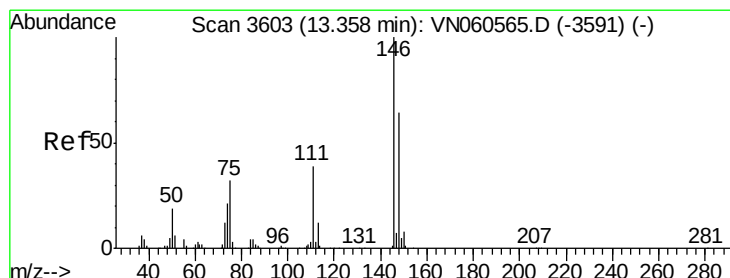
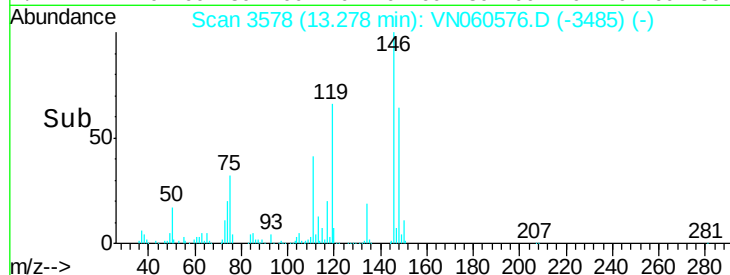
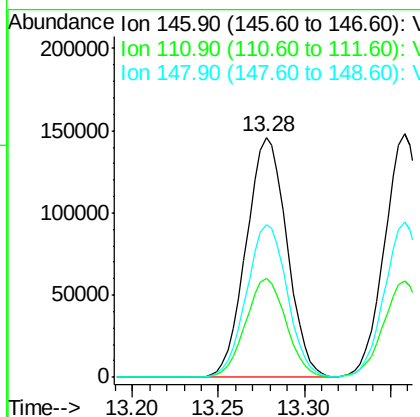
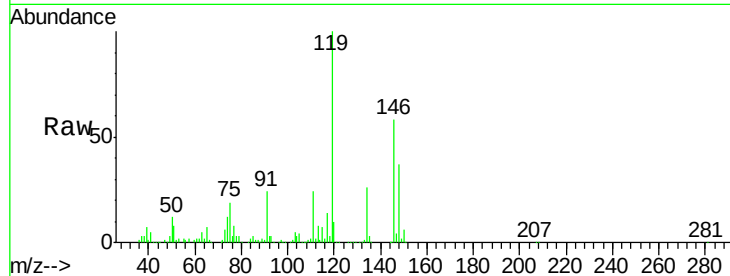
#87
 1,3-Dichlorobenzene
 Concen: 49.335 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. -0.00 min
 Lab File: VN060576.D
 Acq: 18 Mar 2020 00:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.3	60.8
148	63.8	32.5	97.4

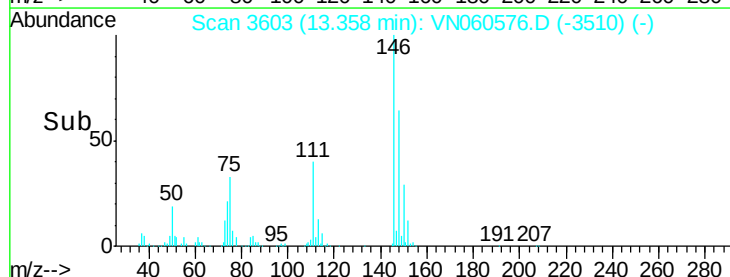
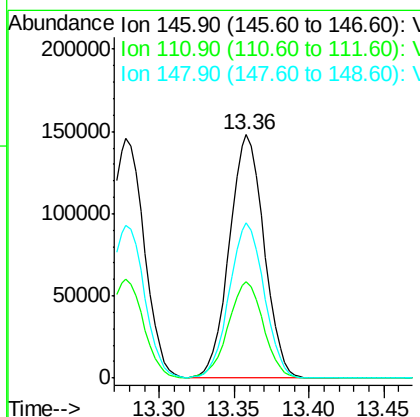
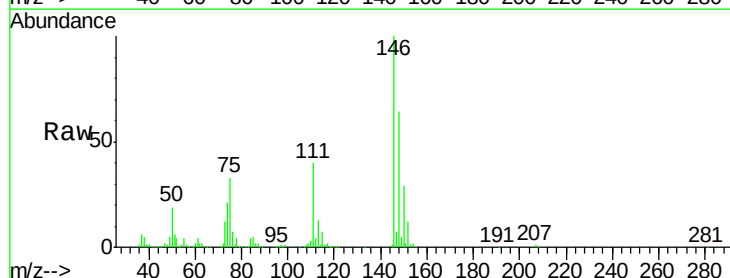
Manual Integrations
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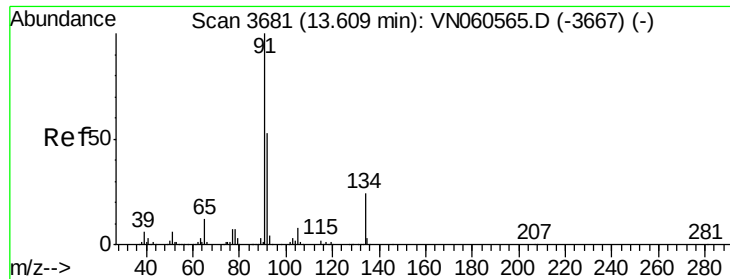
MMDadoda
 3/19/2020 1:32:16 PM



#88
 1,4-Dichlorobenzene
 Concen: 48.842 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. -0.00 min
 Lab File: VN060576.D
 Acq: 18 Mar 2020 00:06

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.2	19.6	58.7
148	64.3	32.1	96.3





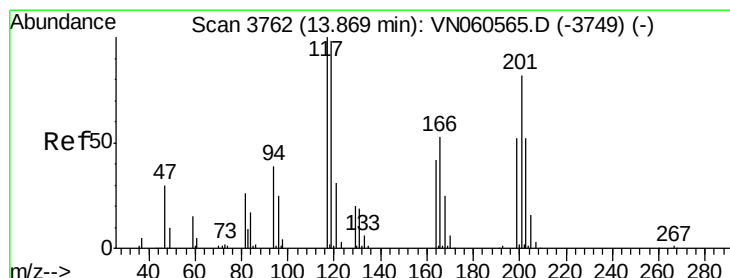
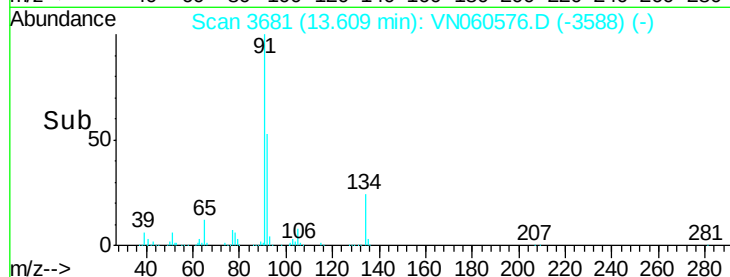
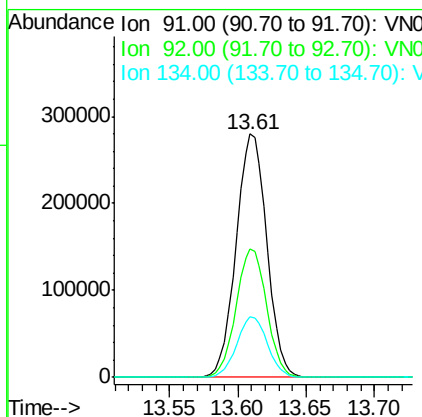
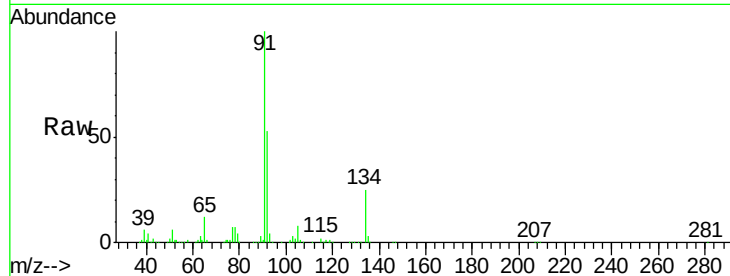
#89
n-Butylbenzene
Concen: 49.673 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. 0.00 min
Lab File: VN060576.D
Acq: 18 Mar 2020 00:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.2	78.5
134	24.8	12.3	36.9

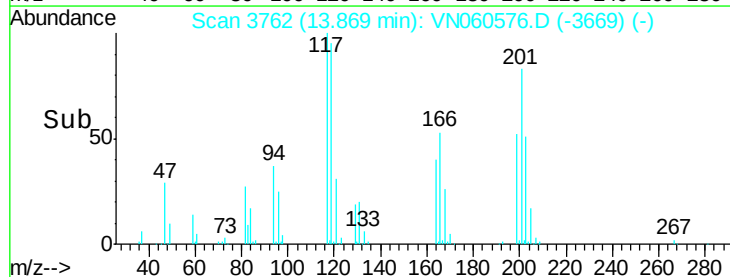
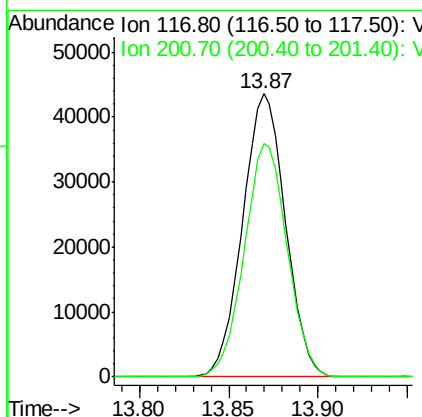
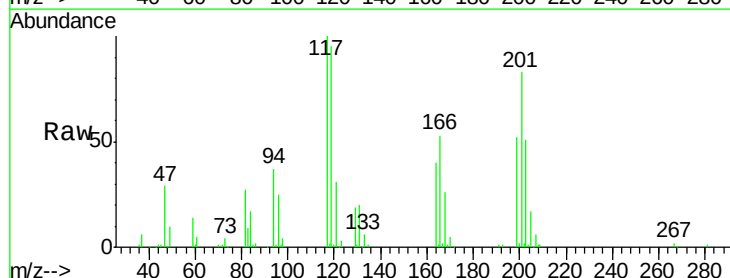
Manual Integrations
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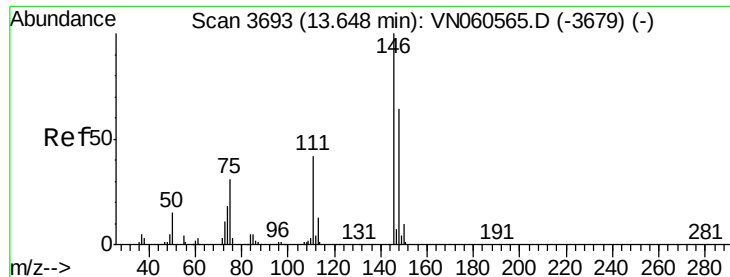
MMDadoda
3/19/2020 1:32:16 PM



#90
Hexachloroethane
Concen: 51.570 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN060576.D
Acq: 18 Mar 2020 00:06

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.7	40.8	122.5





#91

1,2-Dichlorobenzene

Concen: 49.413 ug/l

RT: 13.65 min Scan# 3693

Delta R.T. 0.00 min

Lab File: VN060576.D

Acq: 18 Mar 2020 00:06

Instrument :

MSVOA_N

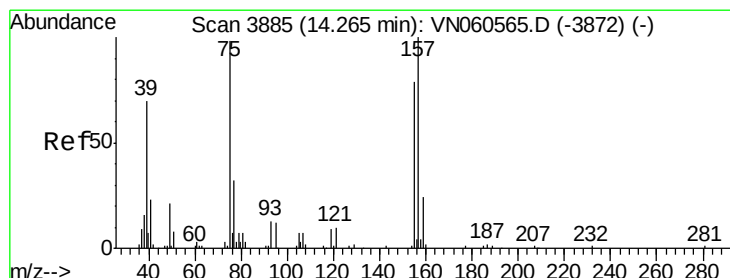
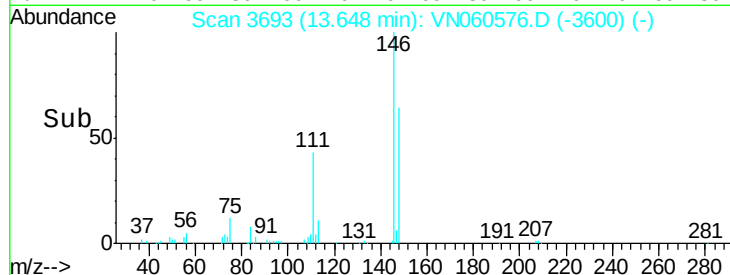
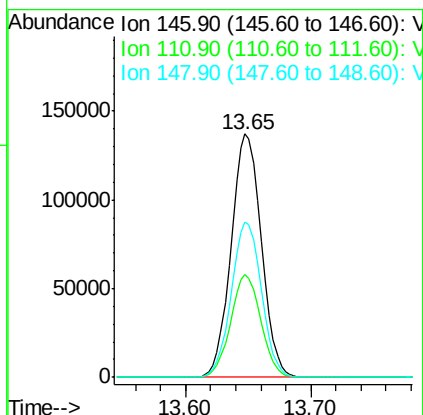
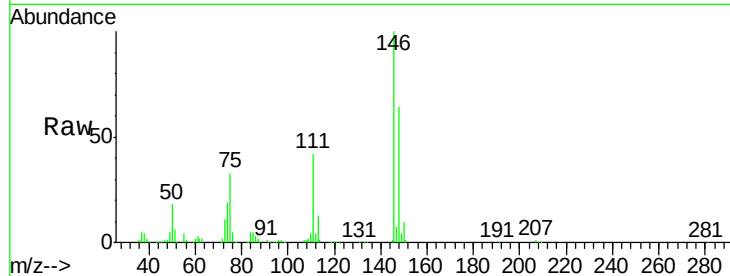
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	229749
Ion Ratio		Lower	Upper
146	100		
111	42.0	21.0	63.0
148	63.7	31.9	95.5

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 47.534 ug/l

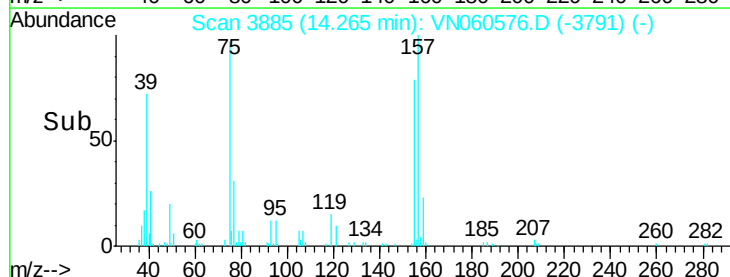
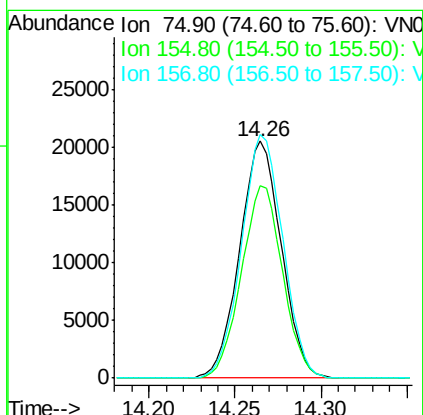
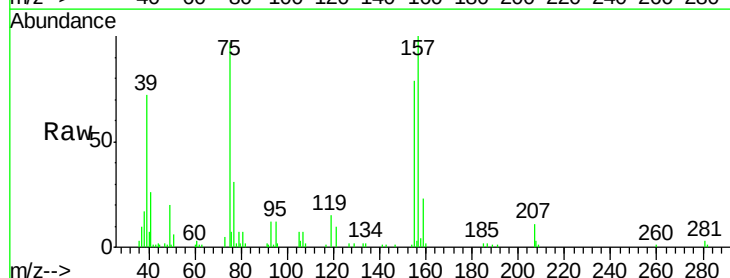
RT: 14.26 min Scan# 3885

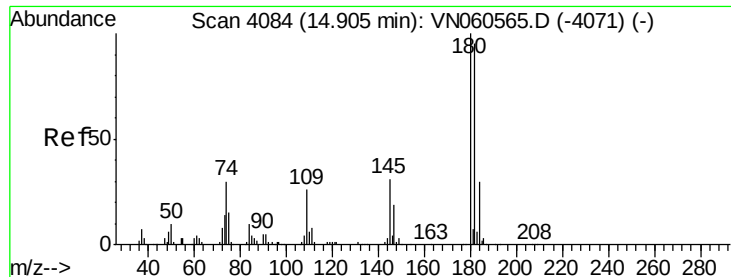
Delta R.T. 0.00 min

Lab File: VN060576.D

Acq: 18 Mar 2020 00:06

Tgt Ion:	75	Resp:	34458
Ion Ratio		Lower	Upper
75	100		
155	80.2	40.7	122.1
157	101.8	51.5	154.7





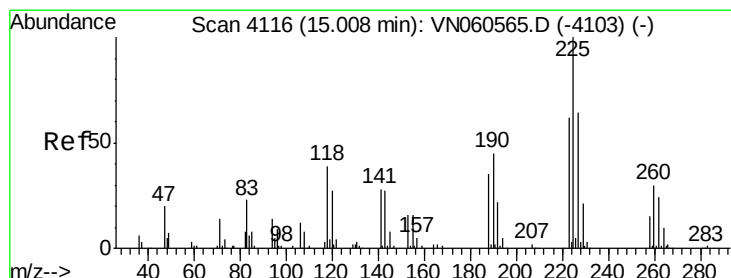
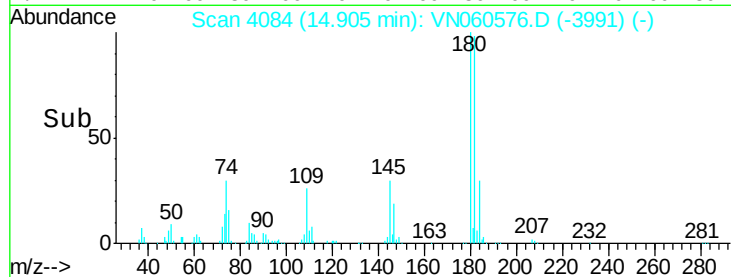
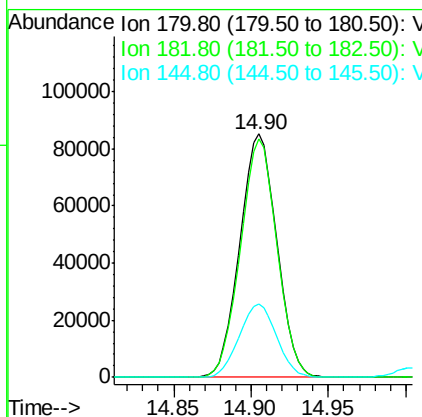
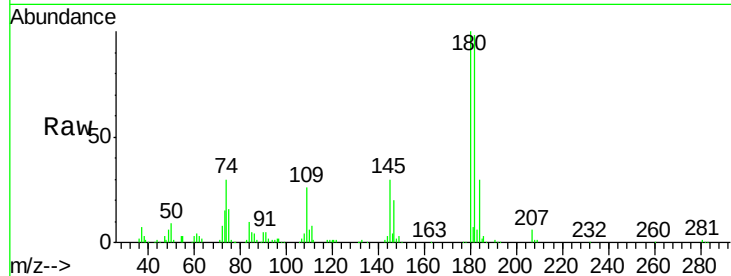
#93
 1,2,4-Trichlorobenzene
 Concen: 49.600 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN060576.D
 Acq: 18 Mar 2020 00:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.6	47.9	143.8
145	30.3	15.4	46.2

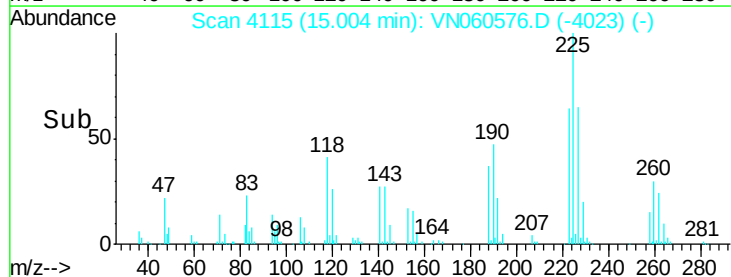
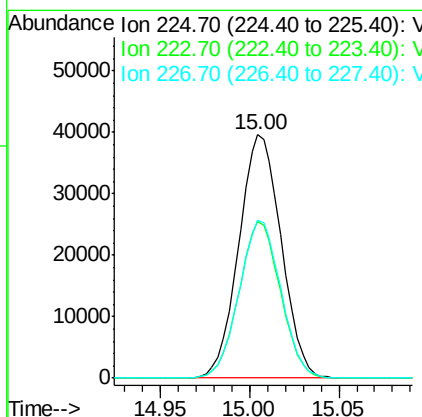
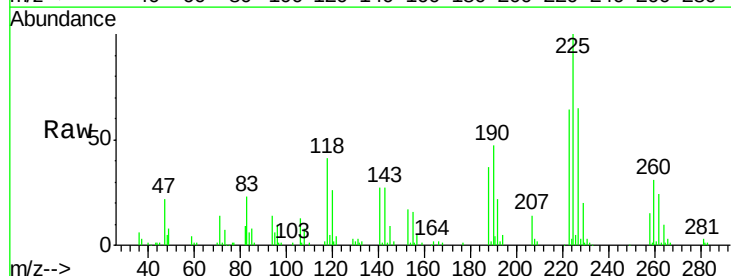
Manual Integrations
 APPROVED

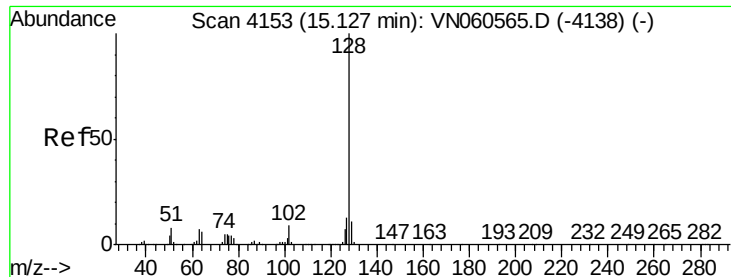
MMDadoda
 3/19/2020 1:32:16 PM



#94
 Hexachlorobutadiene
 Concen: 47.011 ug/l
 RT: 15.00 min Scan# 4115
 Delta R.T. -0.00 min
 Lab File: VN060576.D
 Acq: 18 Mar 2020 00:06

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.9	31.6	95.0
227	63.8	32.3	96.8





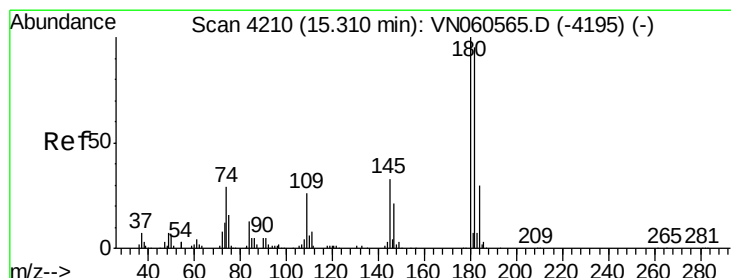
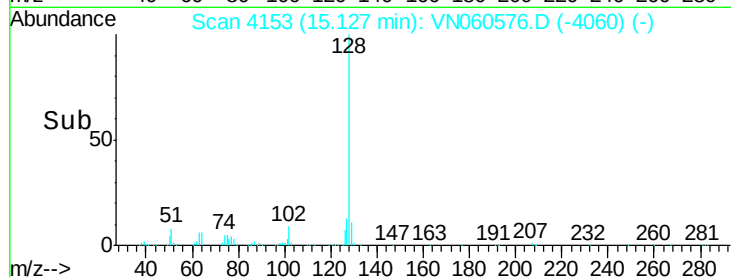
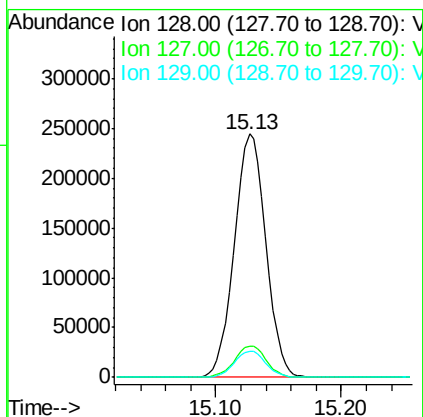
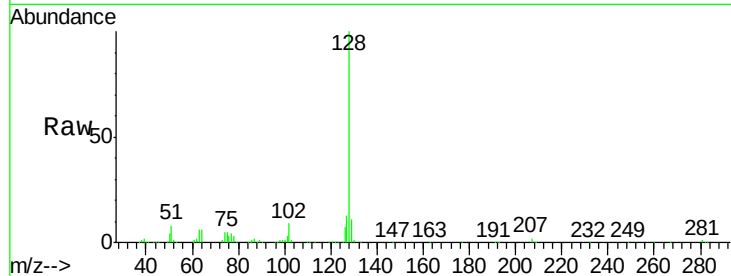
#95
Naphthalene
Concen: 49.612 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. -0.00 min
Lab File: VN060576.D
Acq: 18 Mar 2020 00:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.2
129	10.7	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
3/19/2020 1:32:16 PM



#96
1,2,3-Trichlorobenzene
Concen: 48.717 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. -0.00 min
Lab File: VN060576.D
Acq: 18 Mar 2020 00:06

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.5	142.6
145	32.2	16.3	48.8

