

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052820\
 Data File : VN061539.D
 Acq On : 28 May 2020 18:09
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 5/29/2020 5:46:45 PM

Quant Time: May 29 01:53:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 29 01:43:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	386176	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	653780	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	605850	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	271941	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	23604	4.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.46%	
35) Dibromofluoromethane	7.55	113	18593	5.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.80%	
50) Toluene-d8	10.06	98	69564	4.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.74%	
62) 4-Bromofluorobenzene	12.38	95	26401	4.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	17287	5.101	ug/l	98
3) Chloromethane	2.03	50	24157	4.649	ug/l	98
4) Vinyl Chloride	2.16	62	33139	4.520	ug/l	95
5) Bromomethane	2.53	94	19724	4.847	ug/l	98
6) Chloroethane	2.67	64	22625	4.609	ug/l	97
7) Trichlorofluoromethane	2.98	101	46508	5.171	ug/l	96
8) Diethyl Ether	3.37	74	14859	5.662	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.71	101	20694	5.525	ug/l	98
10) Methyl Iodide	3.91	142	26577	5.615	ug/l	97
11) Tert butyl alcohol	4.73	59	17230	26.667	ug/l	98
12) 1,1-Dichloroethene	3.69	96	22215	5.625	ug/l	94
13) Acrolein	3.56	56	12282	26.681	ug/l	97
14) Allyl chloride	4.28	41	29822	4.835	ug/l	98
15) Acrylonitrile	4.93	53	45573	23.770	ug/l	98
16) Acetone	3.78	43	44942	26.262	ug/l	97
17) Carbon Disulfide	4.01	76	47723	4.923	ug/l	98
18) Methyl Acetate	4.28	43	21773	4.940	ug/l	97
19) Methyl tert-butyl Ether	4.99	73	75435	5.133	ug/l	98
20) Methylene Chloride	4.50	84	31342	6.710	ug/l	98
21) trans-1,2-Dichloroethene	4.99	96	24639	5.472	ug/l	97
22) Diisopropyl ether	5.90	45	63124	4.540	ug/l	95
23) Vinyl Acetate	5.84	43	252630	22.853	ug/l	99
24) 1,1-Dichloroethane	5.80	63	40807	4.986	ug/l	98
25) 2-Butanone	6.78	43	62233	24.510	ug/l	97
26) 2,2-Dichloropropane	6.78	77	39050	5.034	ug/l	97
27) cis-1,2-Dichloroethene	6.78	96	28614	5.387	ug/l	97
28) Bromochloromethane	7.15	49	17533	5.180	ug/l	98
29) Tetrahydrofuran	7.17	42	39075	23.238	ug/l	99
30) Chloroform	7.33	83	43858	5.103	ug/l	97
31) Cyclohexane	7.61	56	39770	5.112	ug/l #	83
32) 1,1,1-Trichloroethane	7.53	97	40206	5.113	ug/l	98
36) 1,1-Dichloropropene	7.75	75	30908	5.131	ug/l	99
37) Ethyl Acetate	6.88	43	25828	4.738	ug/l #	93
38) Carbon Tetrachloride	7.73	117	29275	5.253	ug/l	95

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 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDIC005

Manual Integrations
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.05	83	36803	4.991	ug/l	95
40) Benzene	8.00	78	96813	5.324	ug/l	100
41) Methacrylonitrile	7.12	41	11025	4.919	ug/l #	93
42) 1,2-Dichloroethane	8.09	62	32648	5.036	ug/l	89
43) Isopropyl Acetate	8.13	43	46108	4.887	ug/l #	91
44) Trichloroethene	8.80	130	28229	5.739	ug/l	95
45) 1,2-Dichloropropane	9.08	63	24028	5.318	ug/l	100
46) Dibromomethane	9.18	93	16772	5.220	ug/l	98
47) Bromodichloromethane	9.37	83	35587	5.313	ug/l	99
48) Methyl methacrylate	9.17	41	19741	4.557	ug/l	95
49) 1,4-Dioxane	9.17	88	6156	113.479	ug/l #	94
51) 4-Methyl-2-Pentanone	9.95	43	129053	25.068	ug/l	98
52) Toluene	10.12	92	61338	5.236	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	36269	4.963	ug/l	96
54) cis-1,3-Dichloropropene	9.81	75	40786	5.222	ug/l	96
55) 1,1,2-Trichloroethane	10.54	97	25602	5.759	ug/l	98
56) Ethyl methacrylate	10.40	69	33400	4.865	ug/l	94
57) 1,3-Dichloropropane	10.68	76	39894	5.244	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	76120	25.279	ug/l	98
59) 2-Hexanone	10.72	43	91127	24.480	ug/l	98
60) Dibromochloromethane	10.87	129	27270	5.502	ug/l	99
61) 1,2-Dibromoethane	10.98	107	25967	5.541	ug/l	99
64) Tetrachloroethene	10.60	164	29171	6.034	ug/l	97
65) Chlorobenzene	11.41	112	68126	5.530	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.49	131	24885	5.599	ug/l	97
67) Ethyl Benzene	11.48	91	119138	5.363	ug/l	97
68) m/p-Xylenes	11.60	106	93762	11.043	ug/l	96
69) o-Xylene	11.92	106	43768	5.326	ug/l	96
70) Styrene	11.94	104	68825	5.067	ug/l	97
71) Bromoform	12.10	173	18746	5.898	ug/l #	99
73) Isopropylbenzene	12.22	105	115448	5.402	ug/l	100
74) N-amyl acetate	12.05	43	36146	4.697	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	32755	5.567	ug/l	98
76) 1,2,3-Trichloropropane	12.53	75	29811m	5.266	ug/l	
77) Bromobenzene	12.50	156	27772	5.830	ug/l	91
78) n-propylbenzene	12.57	91	125750	5.195	ug/l	100
79) 2-Chlorotoluene	12.65	91	74928	5.218	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	94720	5.409	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	10511	4.886	ug/l	88
82) 4-Chlorotoluene	12.75	91	77961	5.245	ug/l	98
83) tert-Butylbenzene	12.97	119	82967	5.515	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	94194	5.376	ug/l	99
85) sec-Butylbenzene	13.15	105	108669	5.378	ug/l	97
86) p-Isopropyltoluene	13.27	119	98885	5.478	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	50133	5.797	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	49490	5.716	ug/l	92
89) n-Butylbenzene	13.59	91	80777	4.991	ug/l	97
90) Hexachloroethane	13.85	117	11386	4.838	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	48263	5.817	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	6516	5.481	ug/l	88

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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

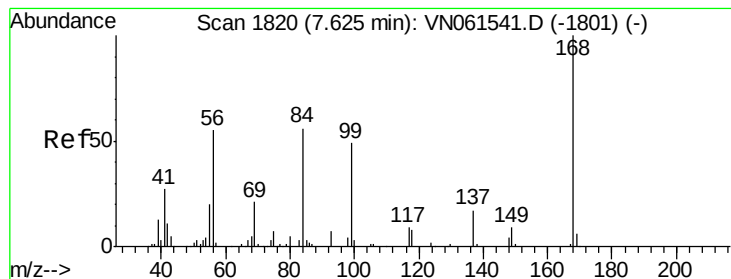
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Fri May 29 01:43:07 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	24281	5.347	ug/l	98
94) Hexachlorobutadiene	14.99	225	12000	6.006	ug/l	98
95) Naphthalene	15.10	128	75240	5.229	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	24173	5.330	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN061539.D

Acq: 28 May 2020 18:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 386176

Ion Ratio Lower Upper

168 100

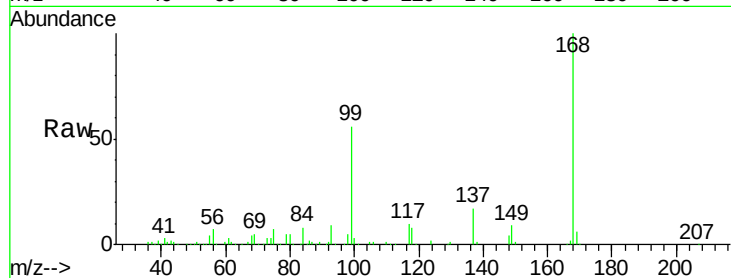
99 55.8 45.0 67.4

Manual Integrations

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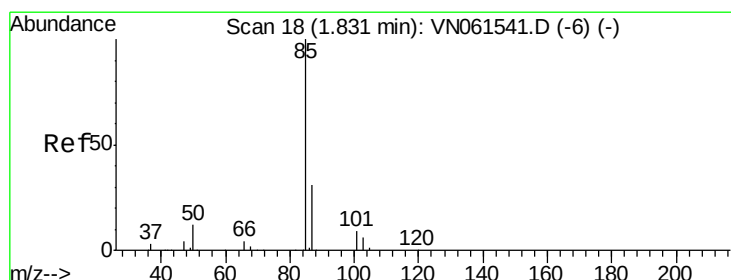
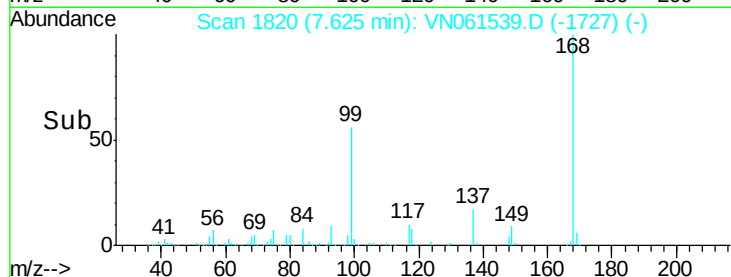
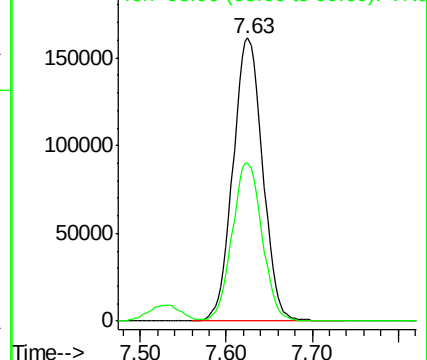
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 5.101 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061539.D

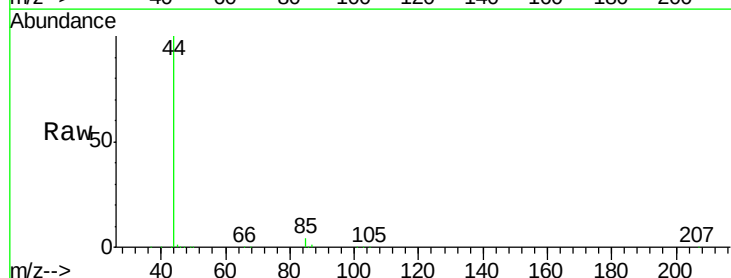
Acq: 28 May 2020 18:09

Tgt Ion: 85 Resp: 17287

Ion Ratio Lower Upper

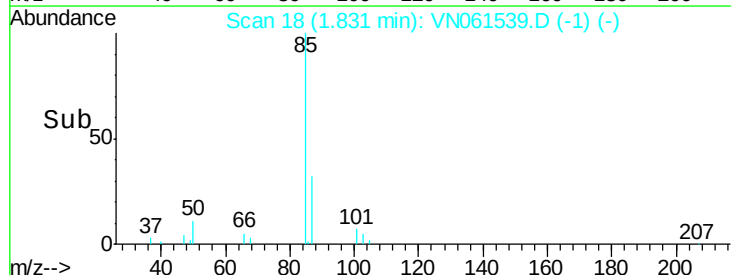
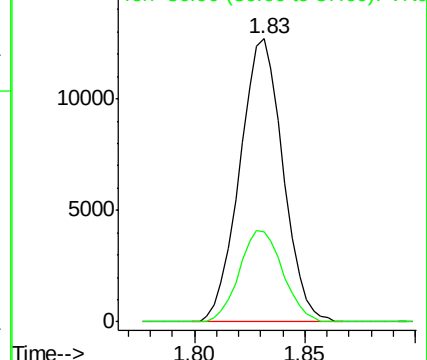
85 100

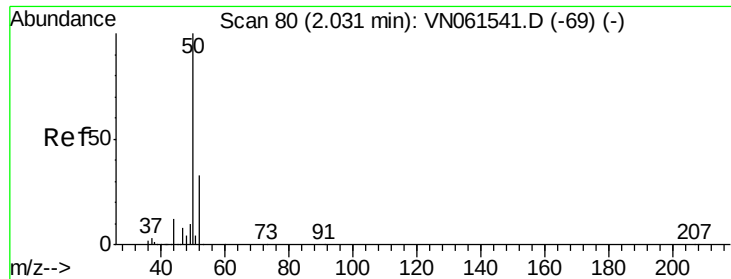
87 32.1 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 4.649 ug/l

RT: 2.03 min Scan# 80

Delta R.T. 0.00 min

Lab File: VN061539.D

Acq: 28 May 2020 18:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 24157

Ion Ratio Lower Upper

50 100

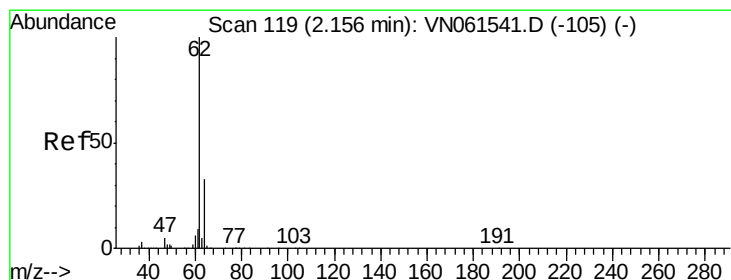
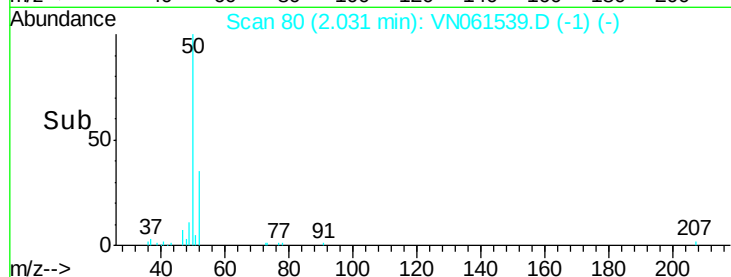
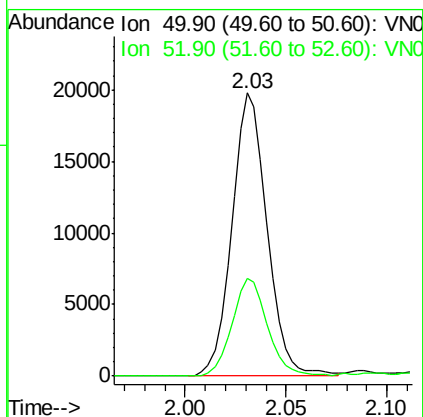
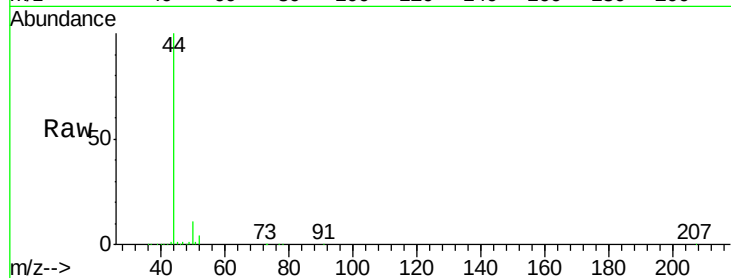
52 34.6 26.7 40.1

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#4

Vinyl Chloride

Concen: 4.520 ug/l

RT: 2.16 min Scan# 119

Delta R.T. 0.00 min

Lab File: VN061539.D

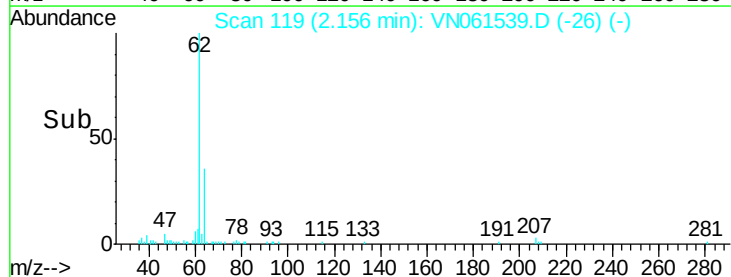
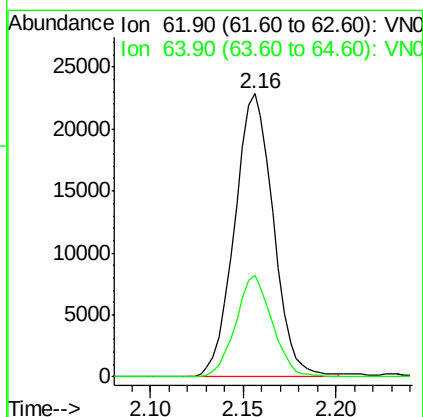
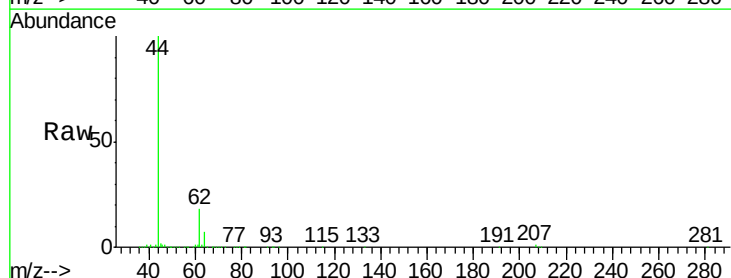
Acq: 28 May 2020 18:09

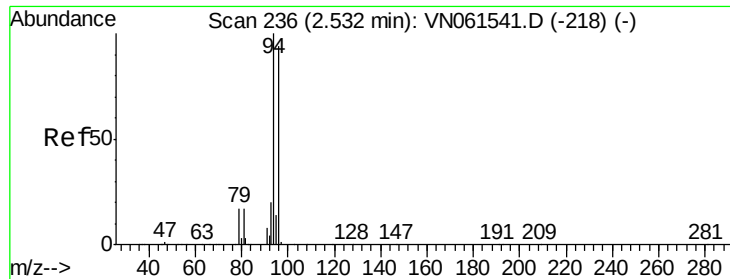
Tgt Ion: 62 Resp: 33139

Ion Ratio Lower Upper

62 100

64 35.7 26.2 39.2





#5

Bromomethane

Concen: 4.847 ug/l

RT: 2.53 min Scan# 235

Delta R.T. -0.00 min

Lab File: VN061539.D

Acq: 28 May 2020 18:09

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion: 94 Resp: 19724

Ion Ratio Lower Upper

94 100

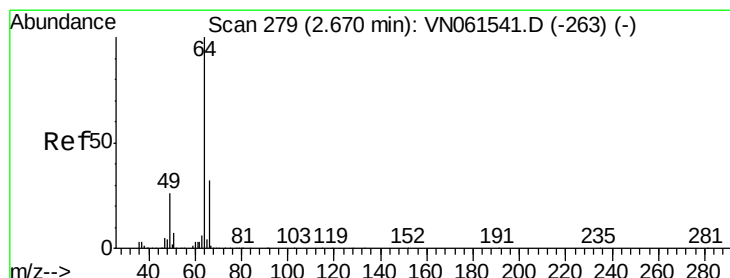
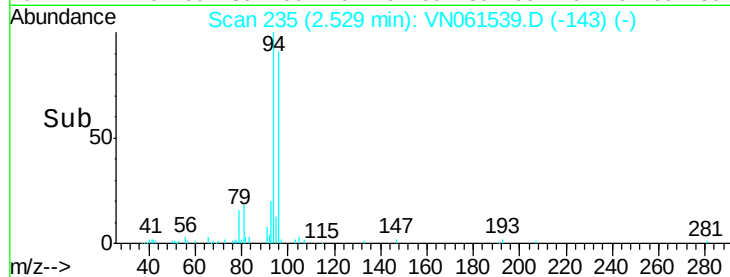
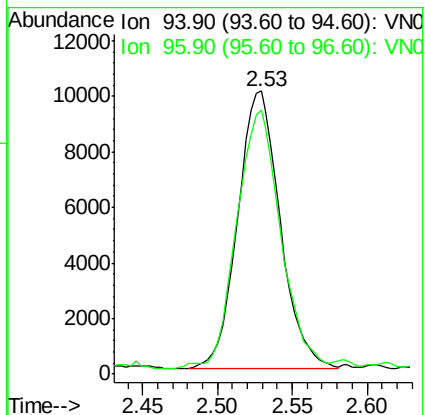
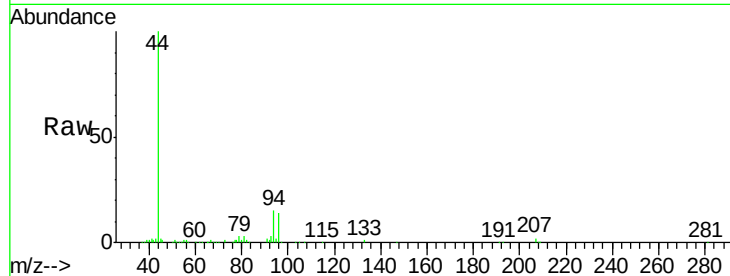
96 91.3 74.8 112.2

Manual Integrations

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#6

Chloroethane

Concen: 4.609 ug/l

RT: 2.67 min Scan# 278

Delta R.T. -0.00 min

Lab File: VN061539.D

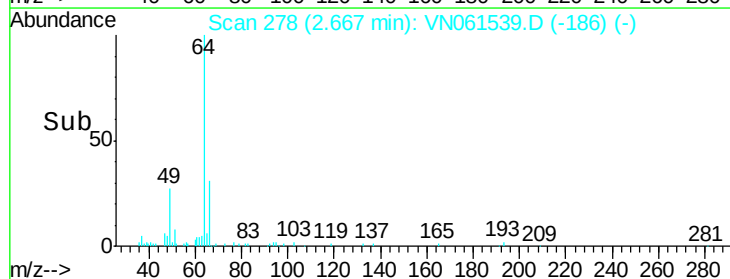
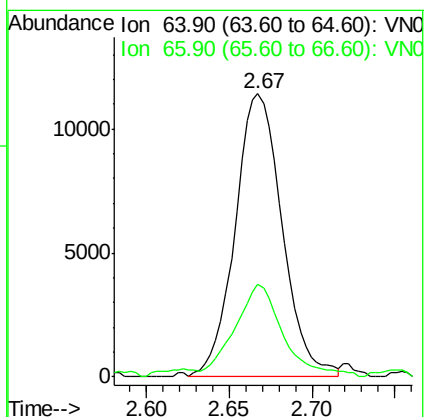
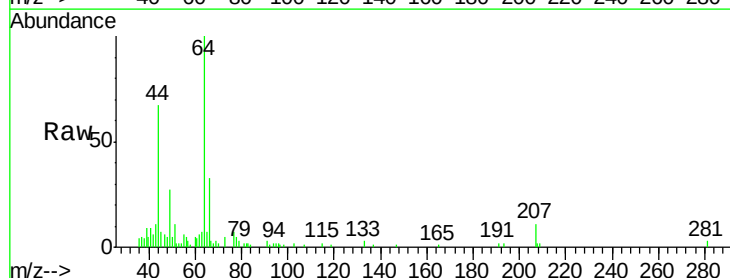
Acq: 28 May 2020 18:09

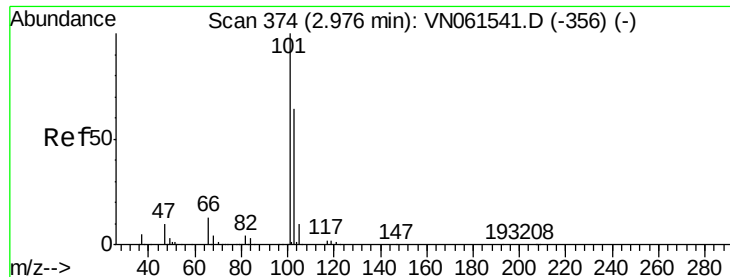
Tgt Ion: 64 Resp: 22625

Ion Ratio Lower Upper

64 100

66 30.5 25.6 38.4





#7

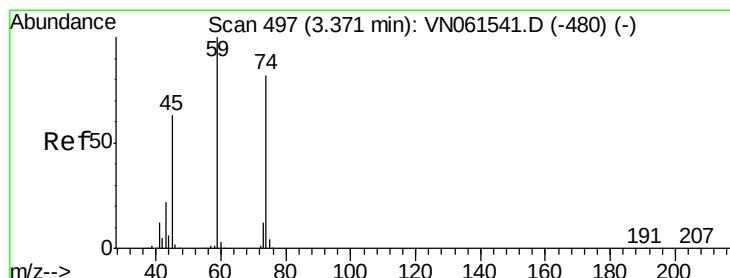
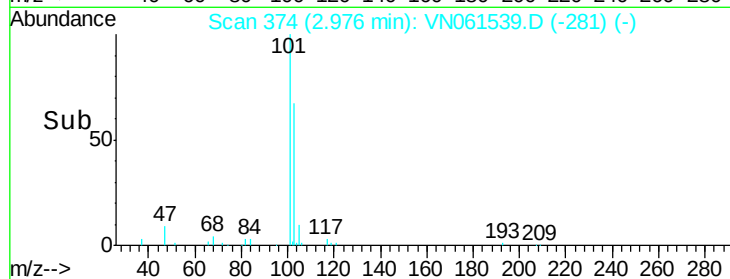
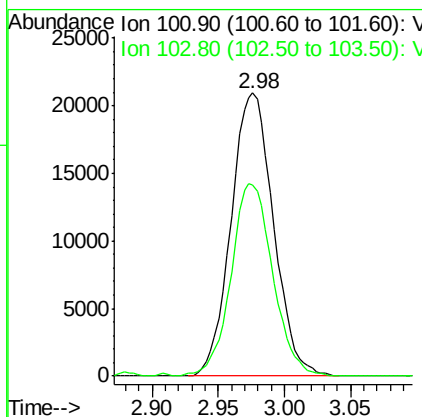
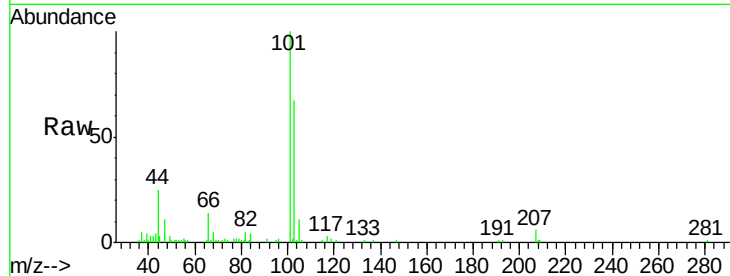
Trichlorofluoromethane
Concen: 5.171 ug/l
RT: 2.98 min Scan# 374
Delta R.T. 0.00 min
Lab File: VN061539.D
Acq: 28 May 2020 18:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.4	51.4	77.2

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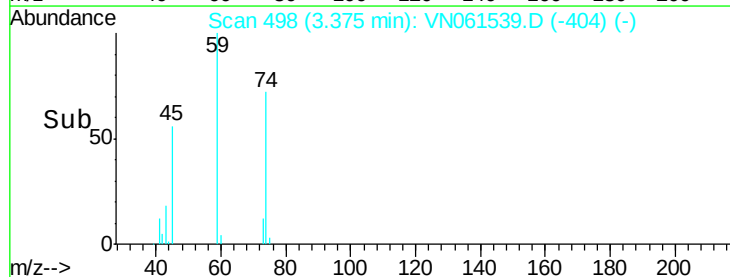
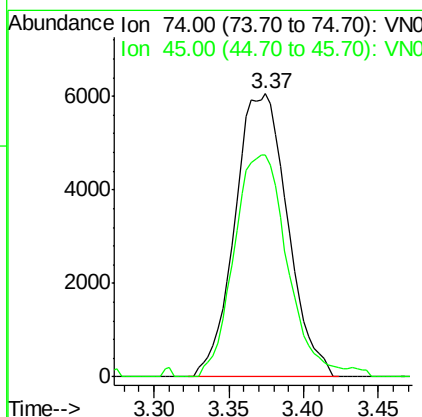
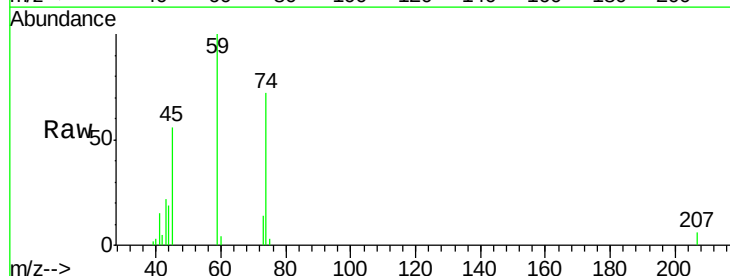
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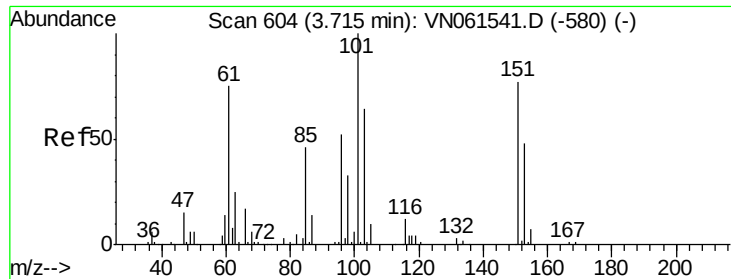


#8

Diethyl Ether
Concen: 5.662 ug/l
RT: 3.37 min Scan# 498
Delta R.T. 0.00 min
Lab File: VN061539.D
Acq: 28 May 2020 18:09

Tgt Ion	Ratio	Lower	Upper
74	100		
45	79.3	39.9	119.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.525 ug/l

RT: 3.71 min Scan# 603

Delta R.T. -0.00 min

Lab File: VN061539.D

Acq: 28 May 2020 18:09

Instrument :

MSVOA_N

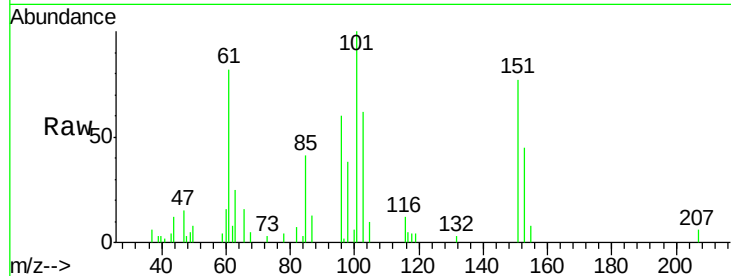
ClientSampleId :

VSTDIC005

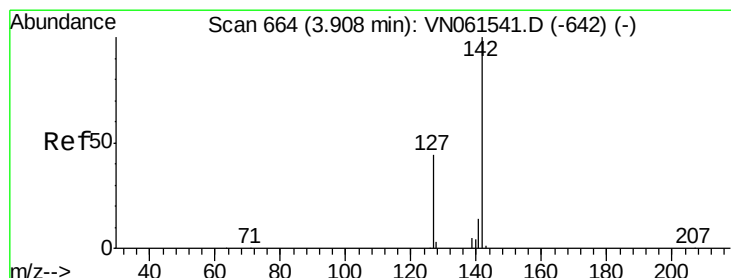
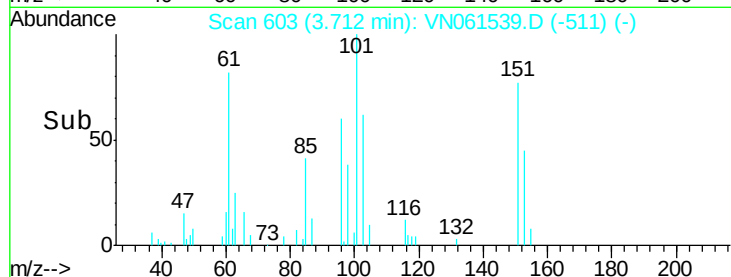
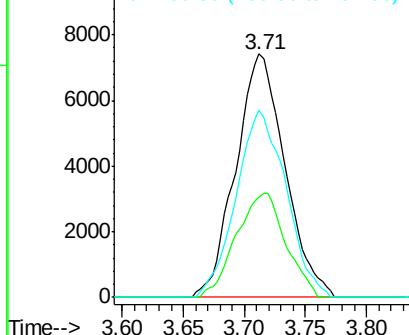
Tot Ion:	101	Resp:	20694
Ion Ratio	Lower	Upper	
101	100		
85	43.1	35.2	52.8
151	78.1	61.0	91.6

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 5.615 ug/l

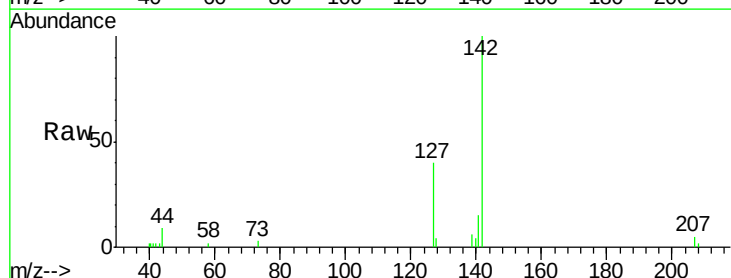
RT: 3.91 min Scan# 664

Delta R.T. 0.00 min

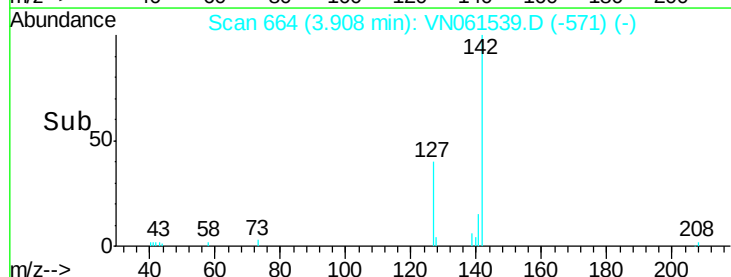
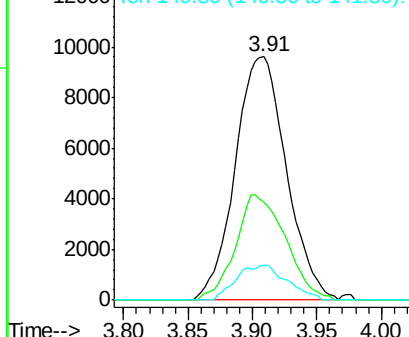
Lab File: VN061539.D

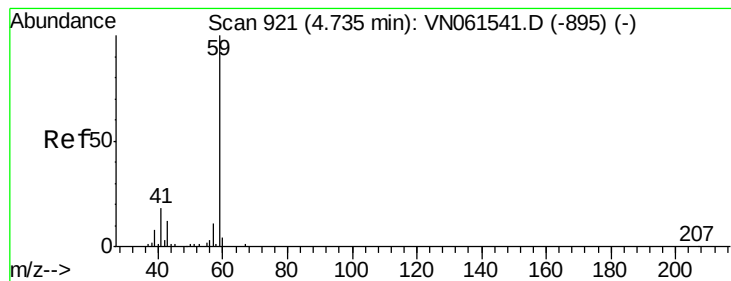
Acq: 28 May 2020 18:09

Tgt Ion:	142	Resp:	26577
Ion Ratio	Lower	Upper	
142	100		
127	42.2	35.5	53.3
141	14.1	11.5	17.3



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

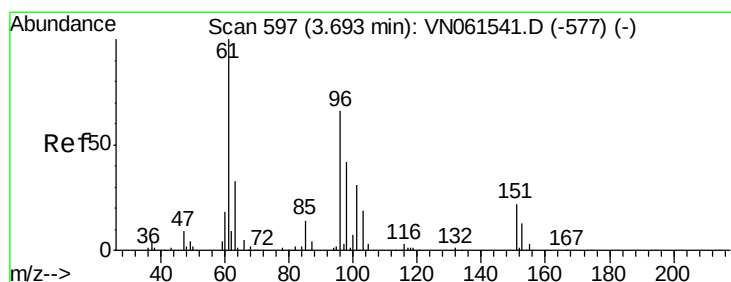
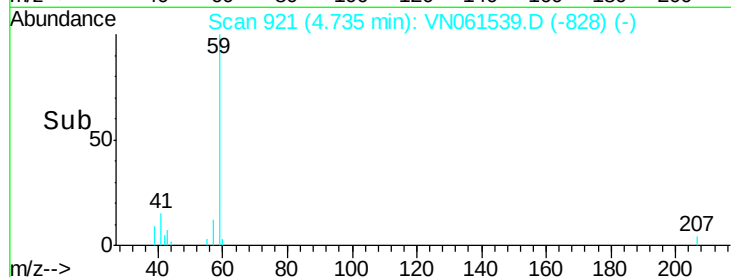
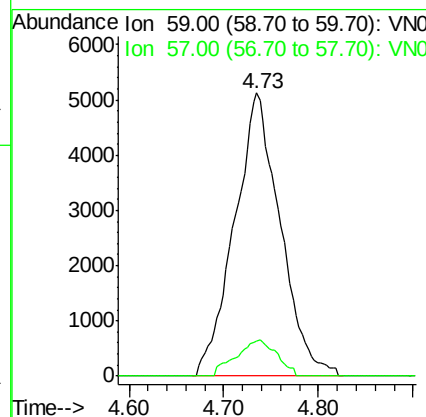
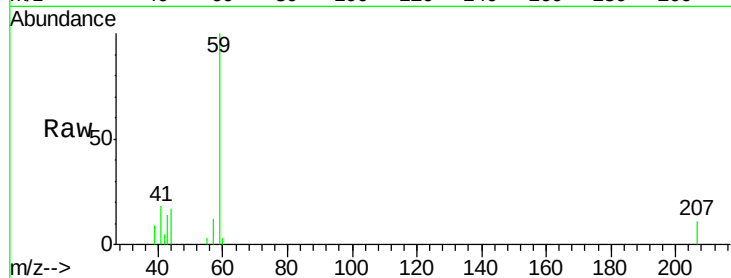
Tert butyl alcohol
 Concen: 26.667 ug/l
 RT: 4.73 min Scan# 921
 Delta R.T. 0.00 min
 Lab File: VN061539.D
 Acq: 28 May 2020 18:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.3	8.4	12.6

Manual Integrations
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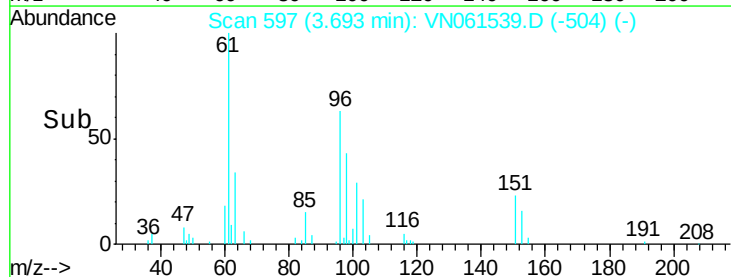
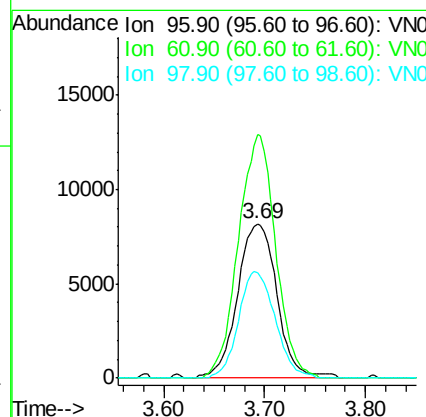
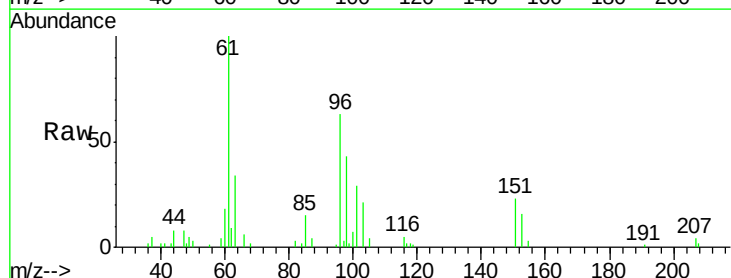
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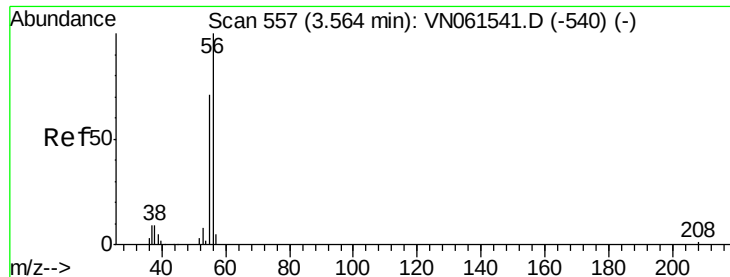


#12

1,1-Dichloroethene
 Concen: 5.625 ug/l
 RT: 3.69 min Scan# 597
 Delta R.T. 0.00 min
 Lab File: VN061539.D
 Acq: 28 May 2020 18:09

Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.9	120.5	180.7
98	68.3	50.8	76.2





#13

Acrolein

Concen: 26.681 ug/l

RT: 3.56 min Scan# 557

Delta R.T. 0.00 min

Lab File: VN061539.D

Acq: 28 May 2020 18:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 12282

Ion Ratio Lower Upper

56 100

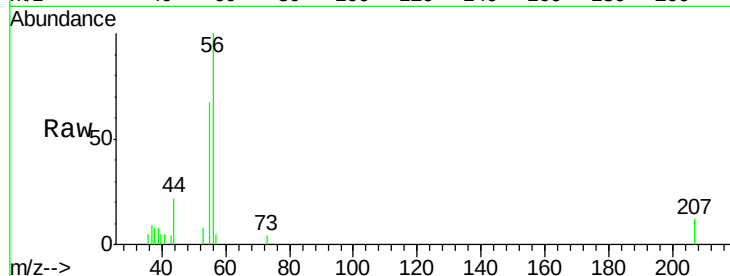
55 75.3 58.0 87.0

Manual Integrations

APPROVED

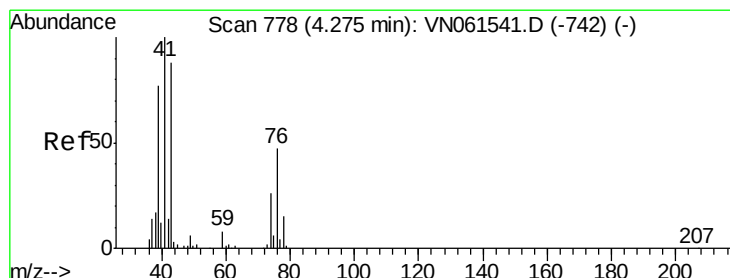
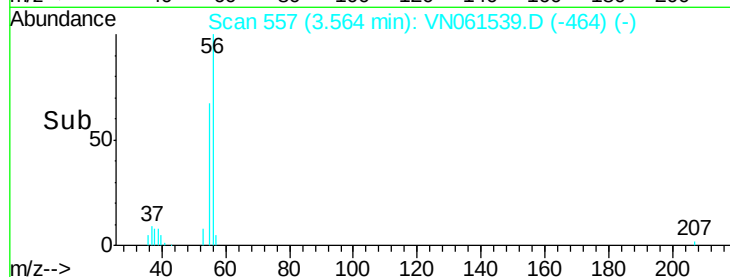
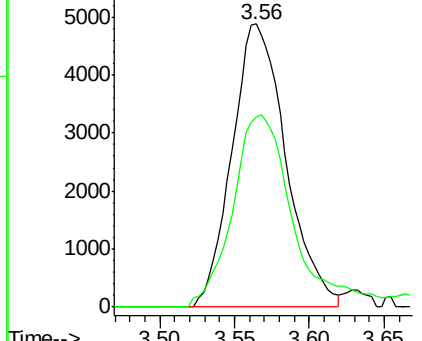
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 4.835 ug/l

RT: 4.28 min Scan# 778

Delta R.T. 0.00 min

Lab File: VN061539.D

Acq: 28 May 2020 18:09

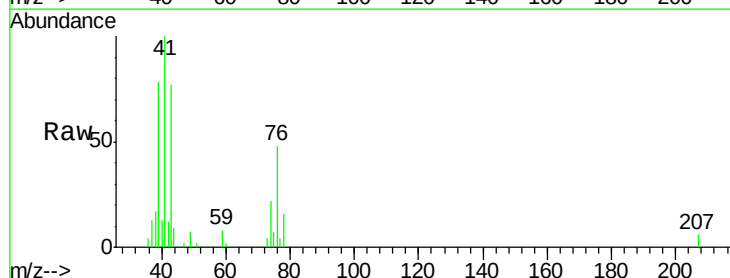
Tgt Ion: 41 Resp: 29822

Ion Ratio Lower Upper

41 100

39 75.2 58.6 88.0

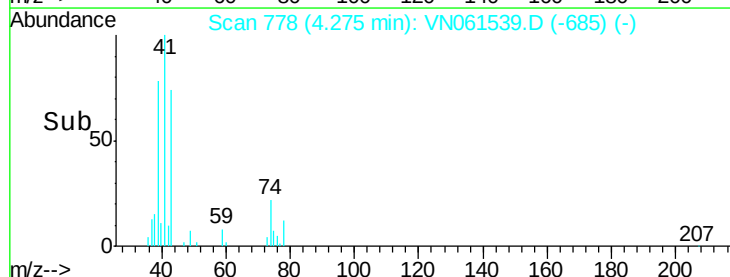
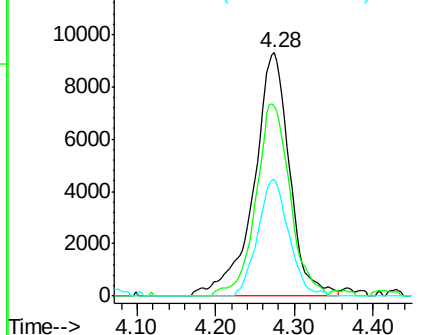
76 41.5 34.2 51.4

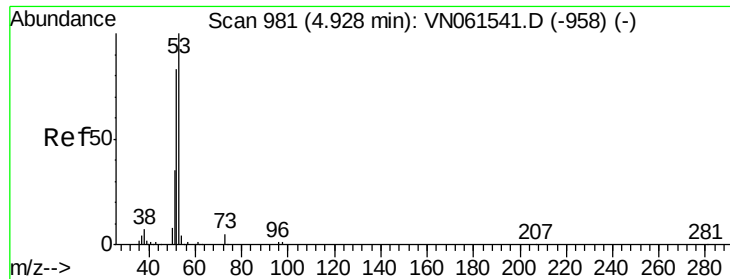


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 23.770 ug/l

RT: 4.93 min Scan# 982

Delta R.T. 0.00 min

Lab File: VN061539.D

Acq: 28 May 2020 18:09

Instrument :

MSVOA_N

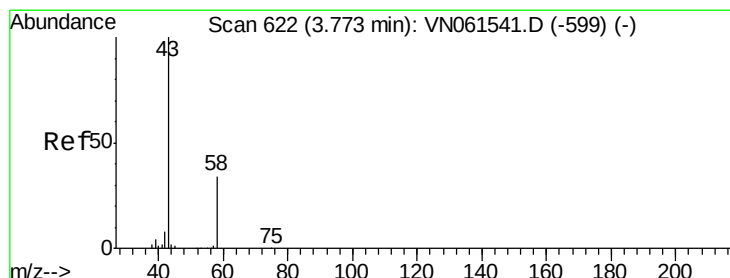
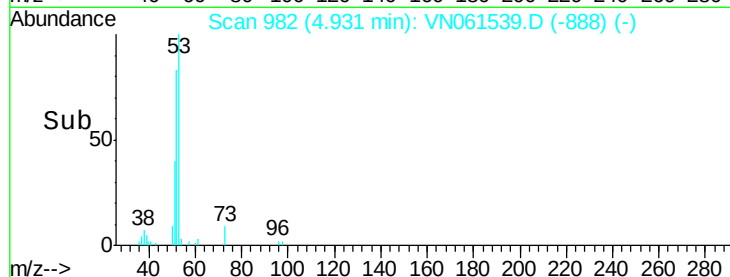
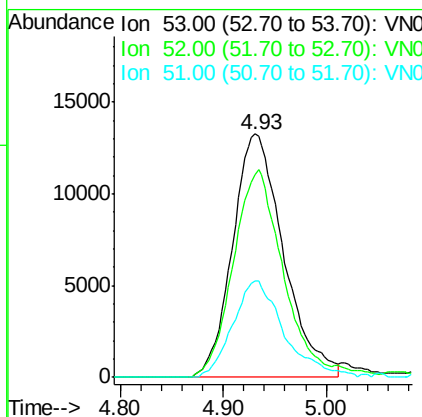
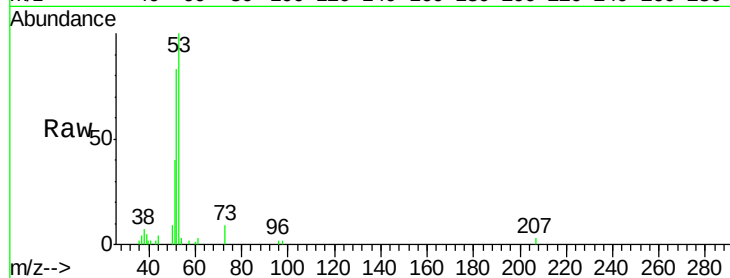
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	45573
Ion	Ratio	Lower	Upper
53	100		
52	82.4	65.4	98.2
51	40.0	29.0	43.6

Manual Integrations
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#16

Acetone

Concen: 26.262 ug/l

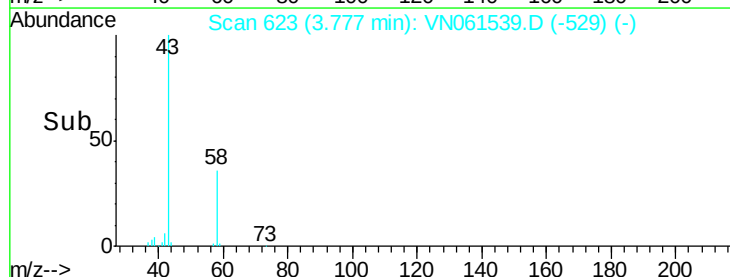
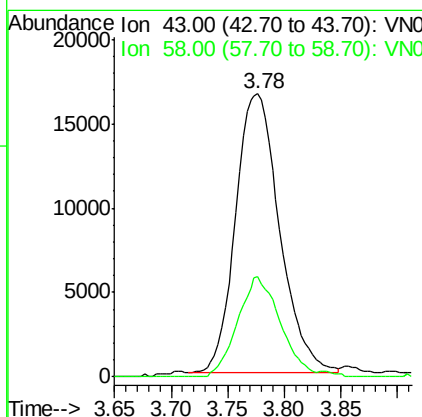
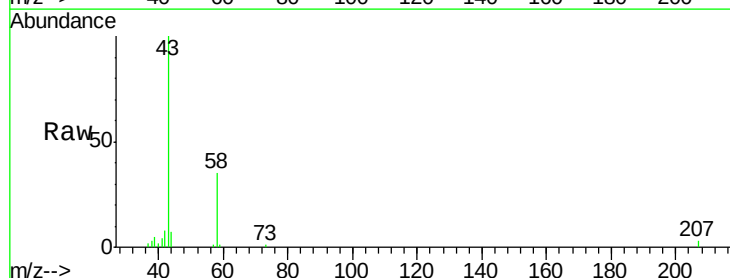
RT: 3.78 min Scan# 623

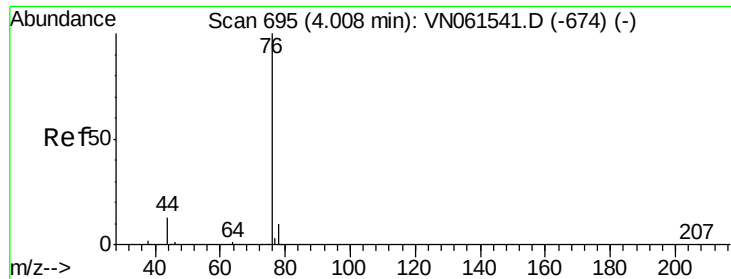
Delta R.T. 0.00 min

Lab File: VN061539.D

Acq: 28 May 2020 18:09

Tgt Ion:	43	Resp:	44942
Ion	Ratio	Lower	Upper
43	100		
58	35.7	27.2	40.8





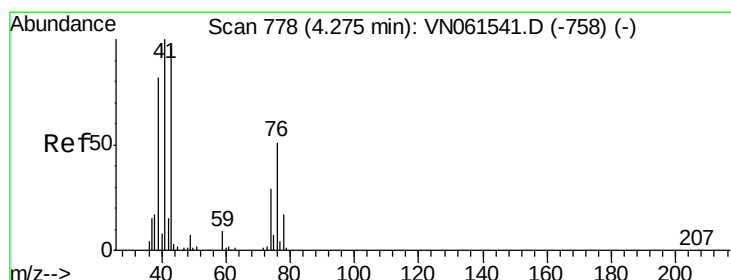
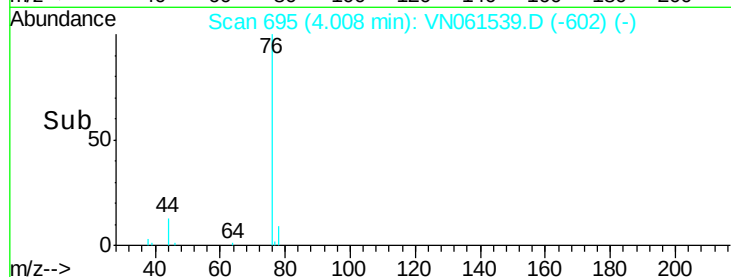
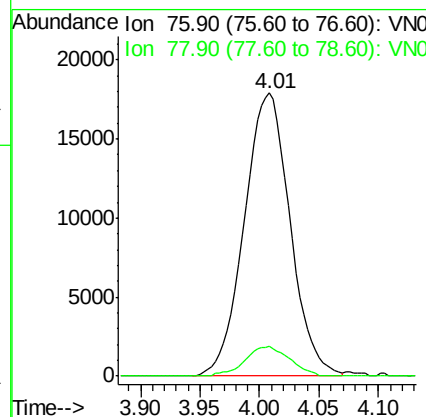
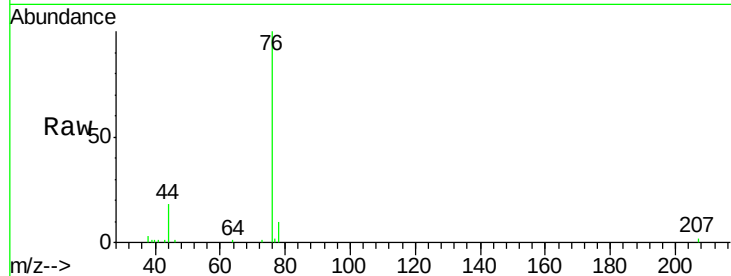
#17
Carbon Disulfide
Concen: 4.923 ug/l
RT: 4.01 min Scan# 695
Delta R.T. 0.00 min
Lab File: VN061539.D
Acq: 28 May 2020 18:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 76 Resp: 47723
Ion Ratio Lower Upper
76 100
78 10.4 7.8 11.6

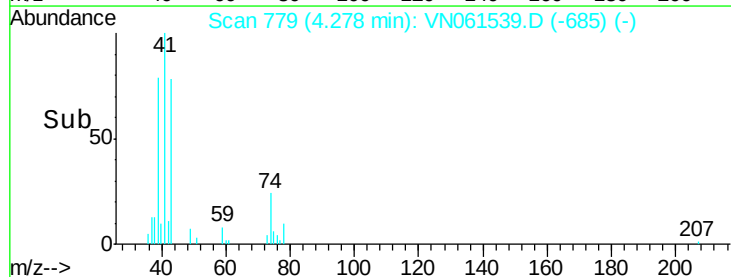
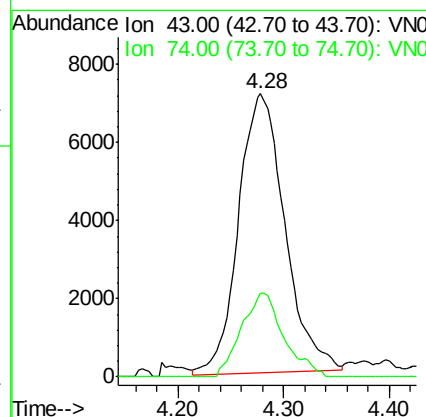
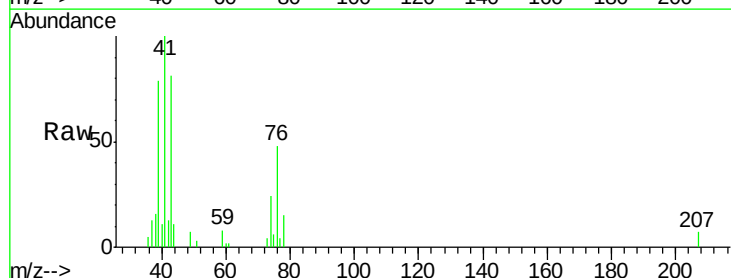
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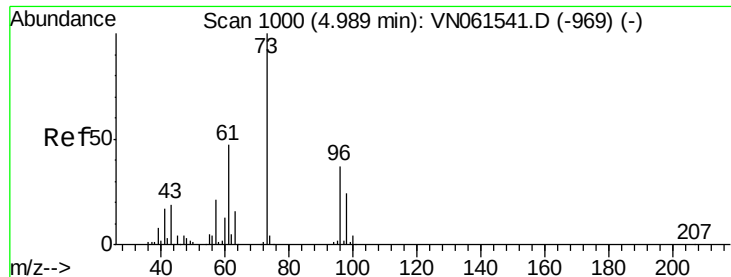
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#18
Methyl Acetate
Concen: 4.940 ug/l
RT: 4.28 min Scan# 779
Delta R.T. 0.00 min
Lab File: VN061539.D
Acq: 28 May 2020 18:09

Tgt Ion: 43 Resp: 21773
Ion Ratio Lower Upper
43 100
74 27.5 23.2 34.8





#19

Methvl tert-butvl Ether

Concen: 5.133 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN061539.D

Acq: 28 May 2020 18:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 73 Resp: 75435

Ion Ratio Lower Upper

73 100

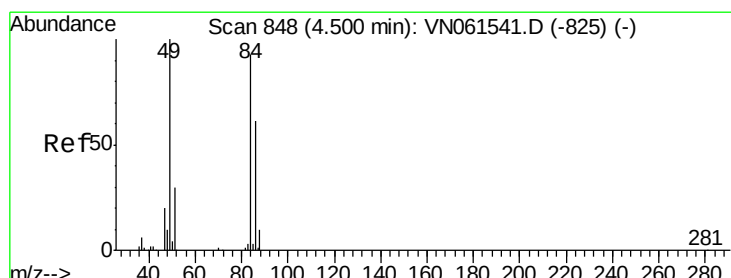
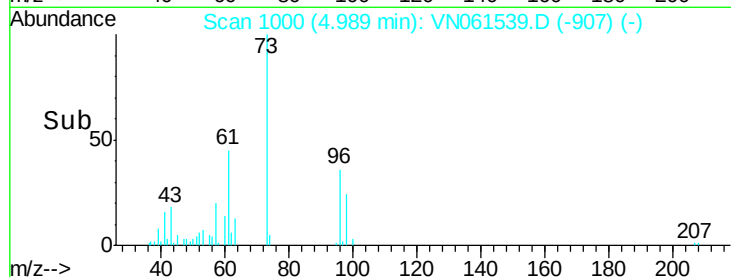
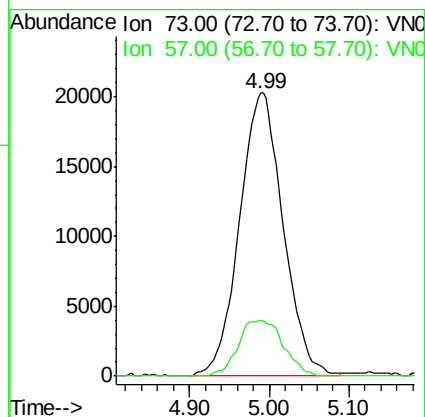
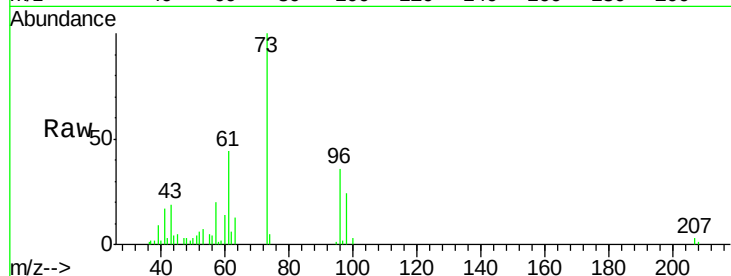
57 19.6 16.4 24.6

Manual Integrations

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#20

Methylene Chloride

Concen: 6.710 ug/l

RT: 4.50 min Scan# 848

Delta R.T. 0.00 min

Lab File: VN061539.D

Acq: 28 May 2020 18:09

Tgt Ion: 84 Resp: 31342

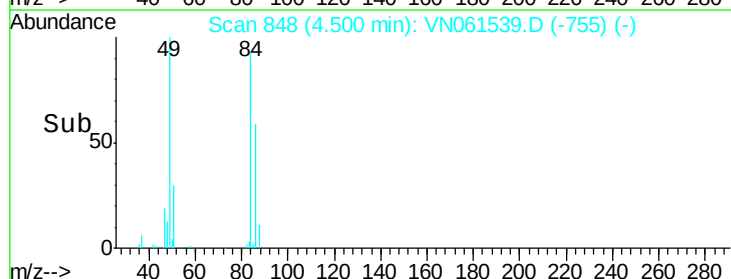
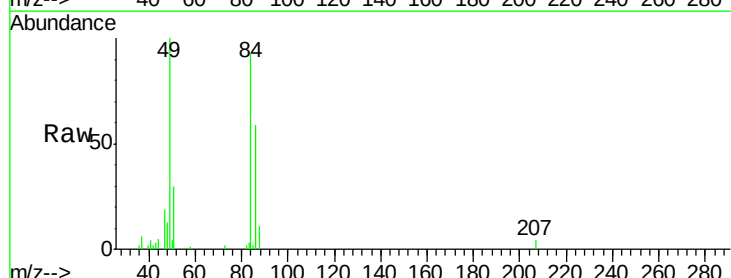
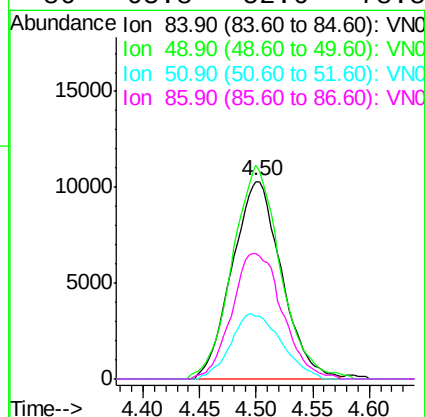
Ion Ratio Lower Upper

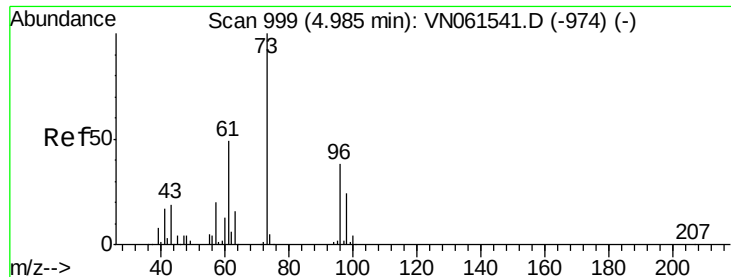
84 100

49 105.8 85.8 128.8

51 32.1 26.2 39.2

86 63.8 52.6 78.8





#21

trans-1,2-Dichloroethene

Concen: 5.472 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN061539.D

Acq: 28 May 2020 18:09

Instrument :

MSVOA_N

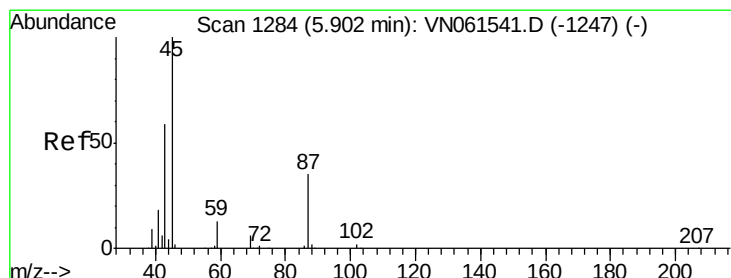
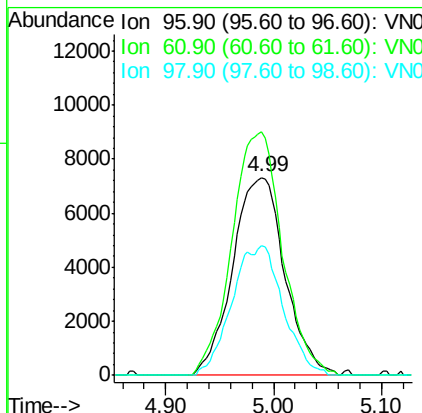
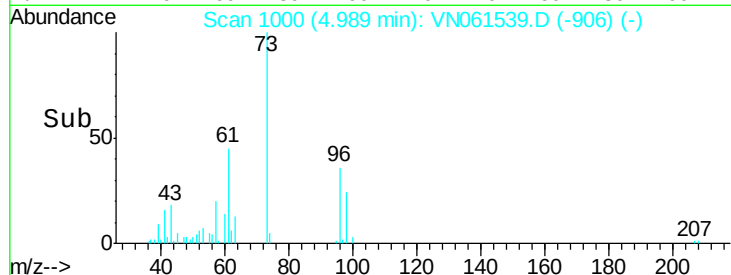
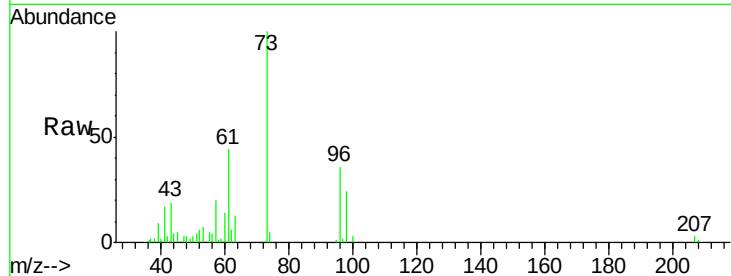
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	24639
Ion	Ratio	Lower	Upper
96	100		
61	123.0	101.4	152.0
98	65.8	50.6	76.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 4.540 ug/l

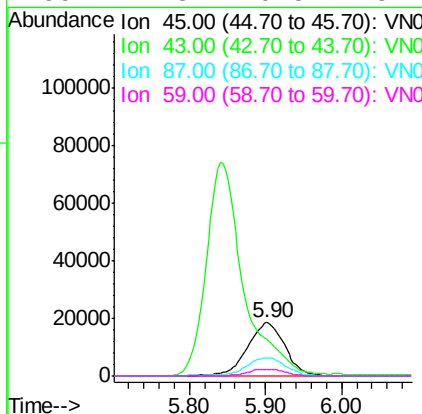
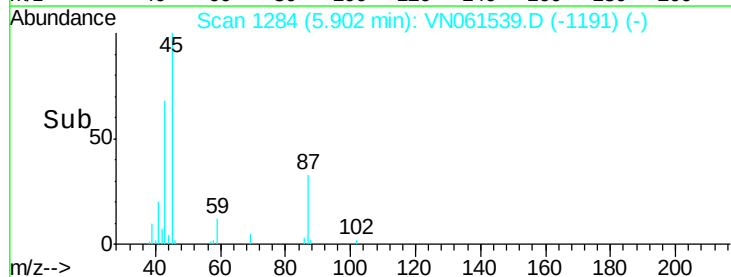
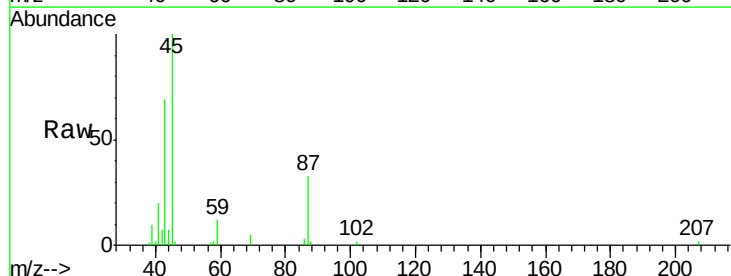
RT: 5.90 min Scan# 1284

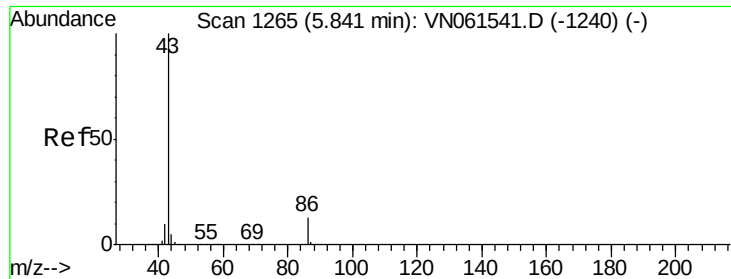
Delta R.T. 0.00 min

Lab File: VN061539.D

Acq: 28 May 2020 18:09

Tgt Ion:	45	Resp:	63124
Ion	Ratio	Lower	Upper
45	100		
43	65.1	47.9	71.9
87	33.4	28.4	42.6
59	12.3	10.5	15.7





#23

Vinyl Acetate

Concen: 22.853 ug/l

RT: 5.84 min Scan# 1265

Delta R.T. 0.00 min

Lab File: VN061539.D

Acq: 28 May 2020 18:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 252630

Ion Ratio Lower Upper

43 100

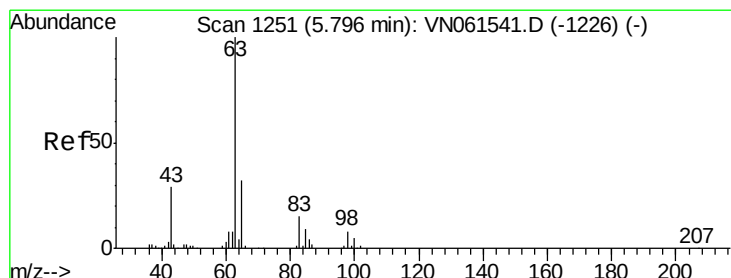
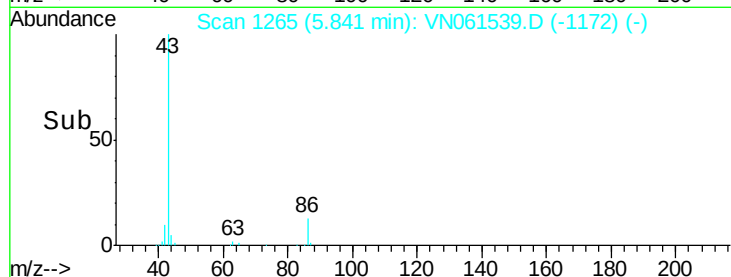
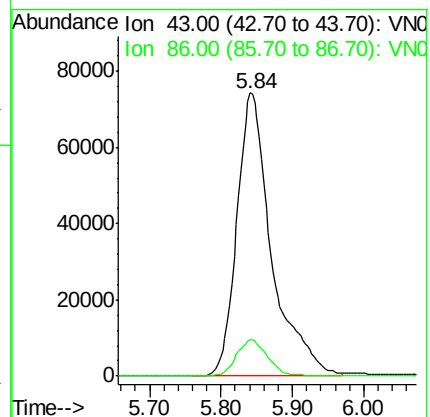
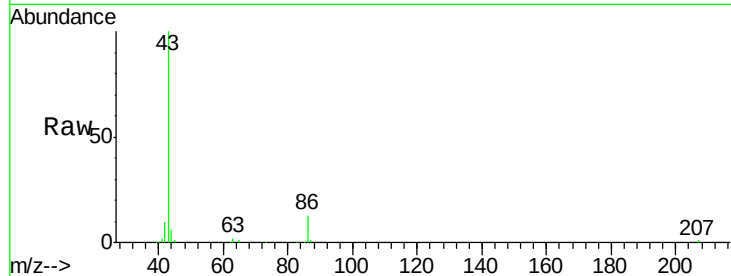
86 13.0 10.6 16.0

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 4.986 ug/l

RT: 5.80 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VN061539.D

Acq: 28 May 2020 18:09

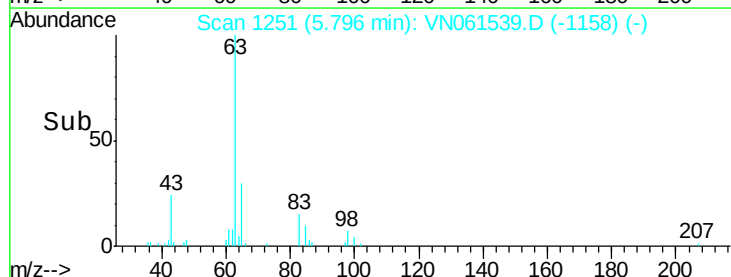
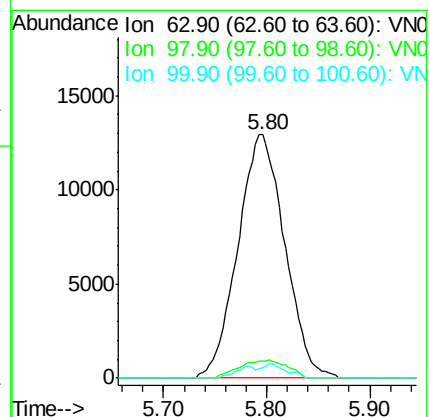
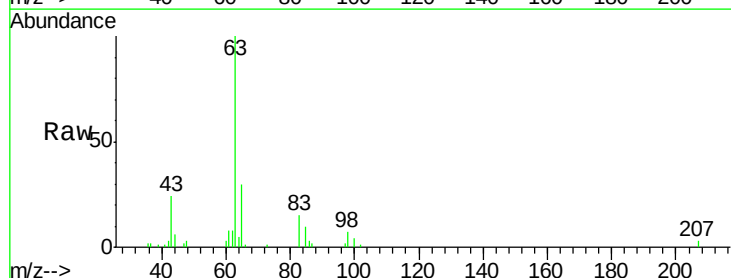
Tgt Ion: 63 Resp: 40807

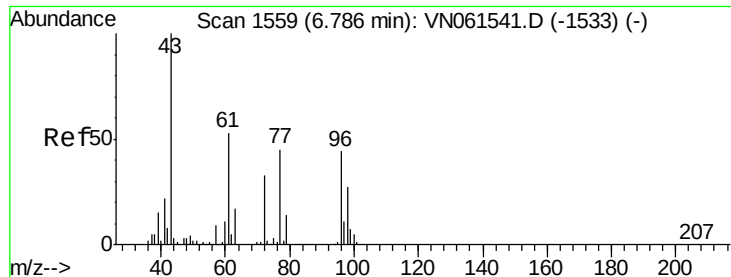
Ion Ratio Lower Upper

63 100

98 6.9 3.8 11.4

100 4.3 2.5 7.6





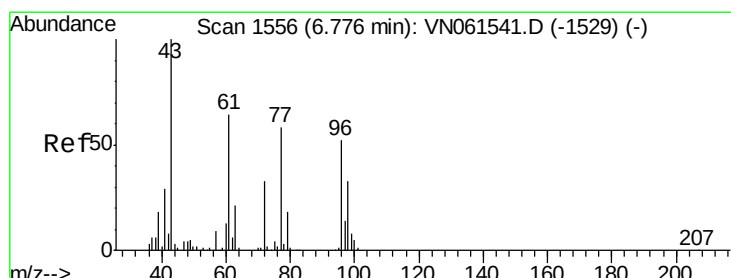
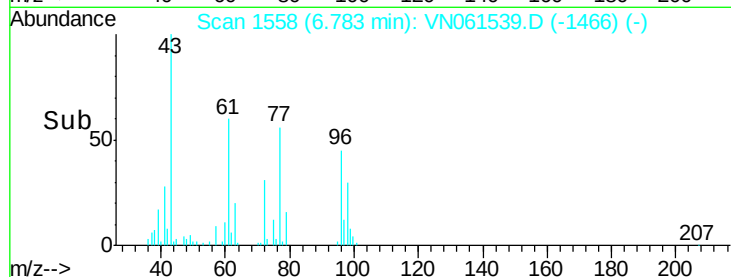
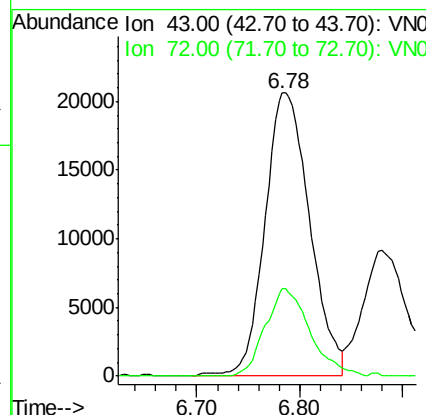
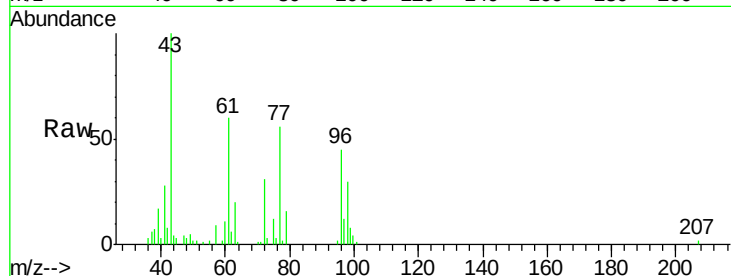
#25
2-Butanone
Concen: 24.510 ug/l
RT: 6.78 min Scan# 1558
Delta R.T. -0.00 min
Lab File: VN061539.D
Acq: 28 May 2020 18:09

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion: 43 Resp: 62233
Ion Ratio Lower Upper
43 100
72 31.0 26.0 39.0

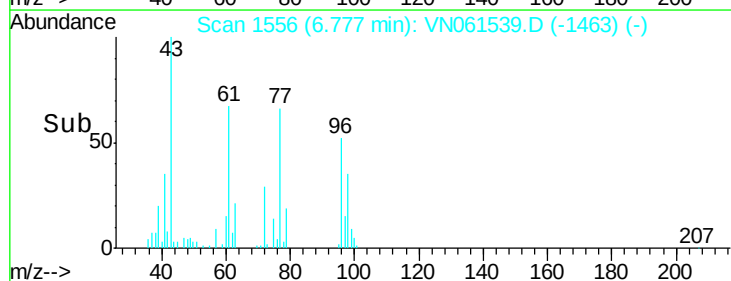
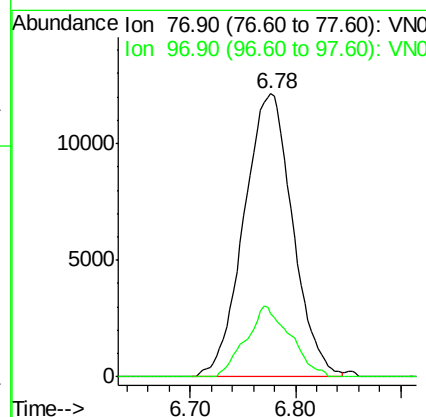
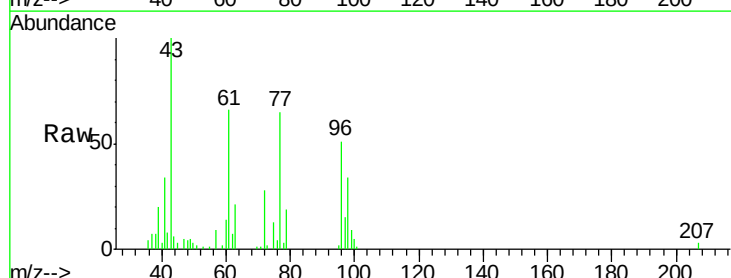
Manual Integrations
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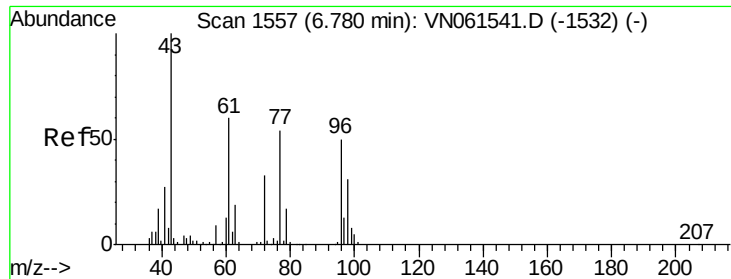
MMDadoda
5/29/2020 5:46:45 PM



#26
2,2-Dichloropropane
Concen: 5.034 ug/l
RT: 6.78 min Scan# 1556
Delta R.T. 0.00 min
Lab File: VN061539.D
Acq: 28 May 2020 18:09

Tgt Ion: 77 Resp: 39050
Ion Ratio Lower Upper
77 100
97 22.7 12.0 36.0





#27

cis-1,2-Dichloroethene

Concen: 5.387 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. -0.00 min

Lab File: VN061539.D

Acq: 28 May 2020 18:09

Instrument :

MSVOA_N

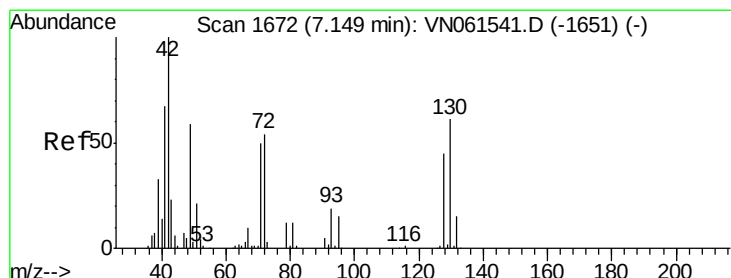
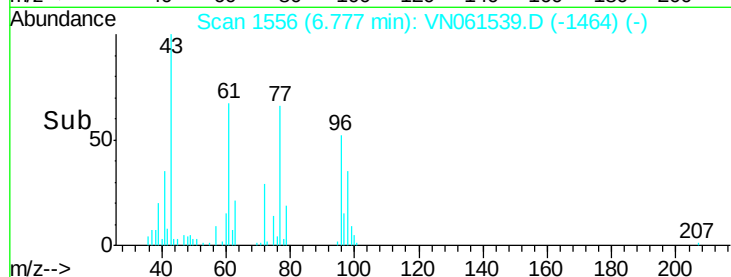
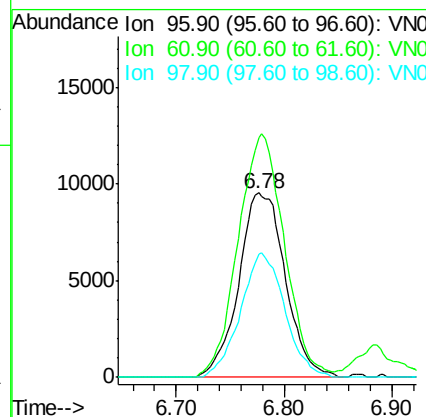
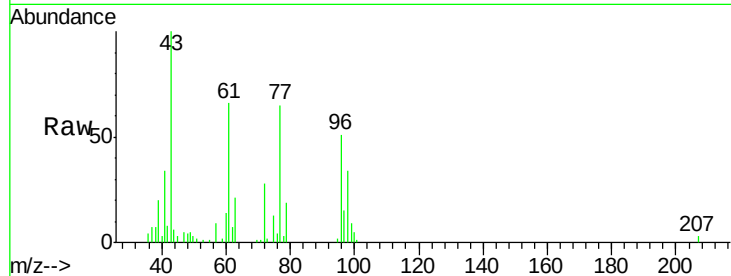
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	28614
Ion	Ratio	Lower	Upper
96	100		
61	131.0	0.0	252.2
98	64.2	0.0	129.2

Manual Integrations
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5/29/2020 5:46:45 PM



#28

Bromochloromethane

Concen: 5.180 ug/l

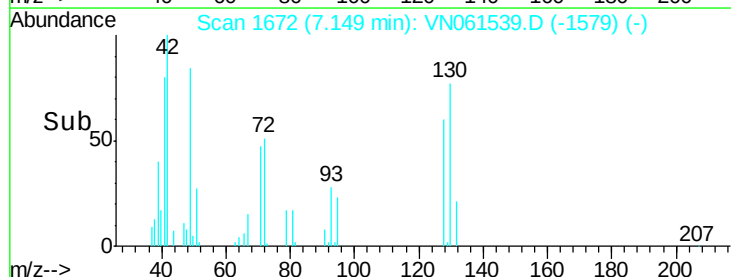
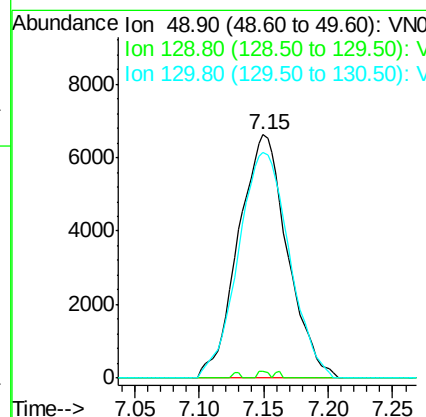
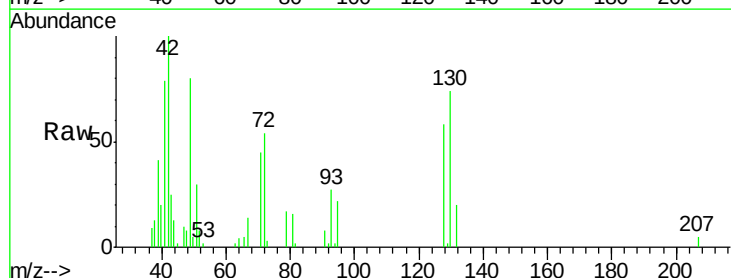
RT: 7.15 min Scan# 1672

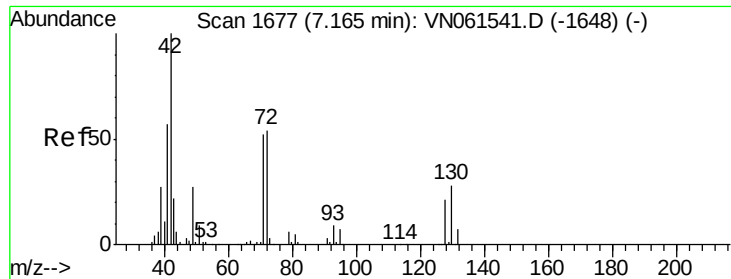
Delta R.T. 0.00 min

Lab File: VN061539.D

Acq: 28 May 2020 18:09

Tgt Ion:	49	Resp:	17533
Ion	Ratio	Lower	Upper
49	100		
129	0.6	0.0	4.8
130	96.5	78.8	118.2





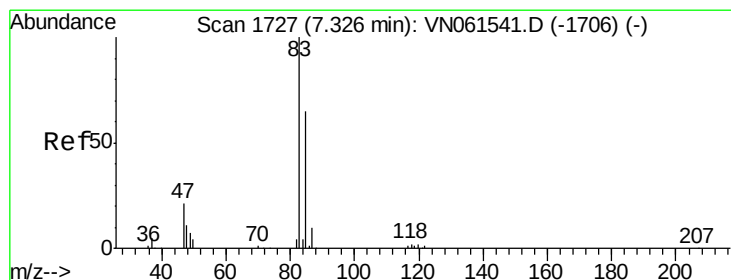
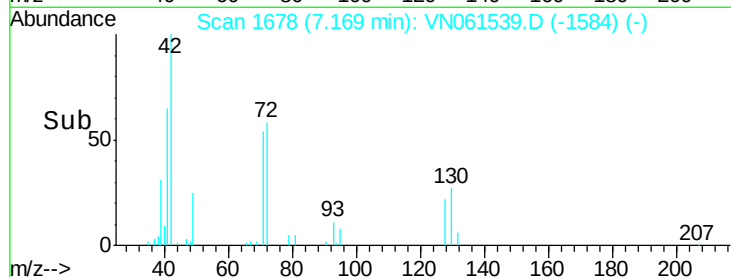
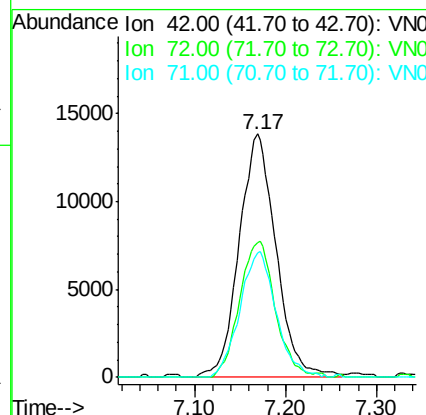
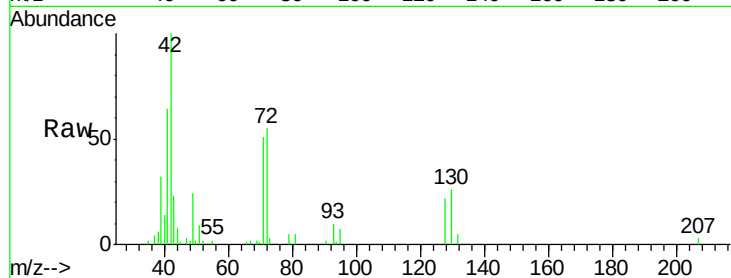
#29
Tetrahydrofuran
Concen: 23.238 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.00 min
Lab File: VN061539.D
Acq: 28 May 2020 18:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	53.8	43.6	65.4
71	50.5	41.2	61.8

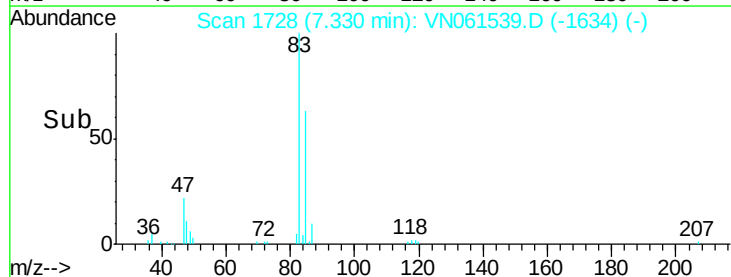
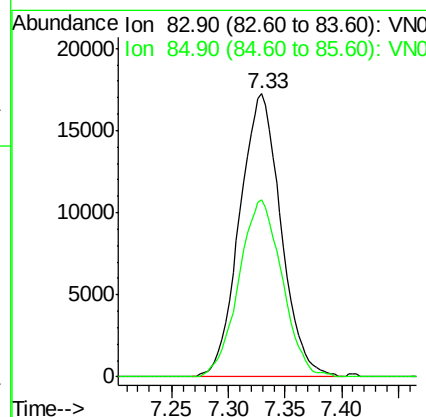
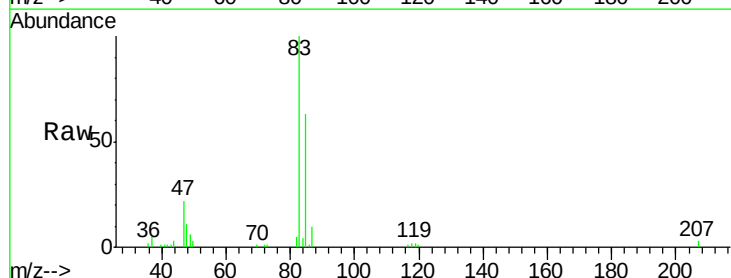
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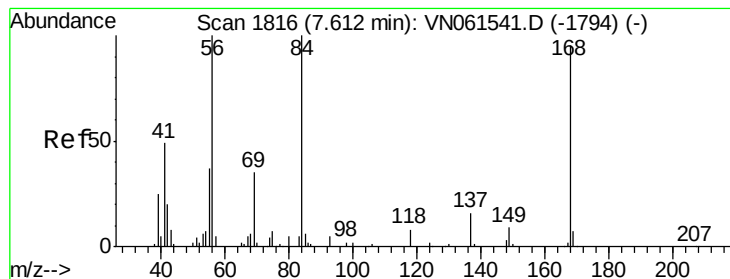
MMDadoda
5/29/2020 5:46:45 PM



#30
Chloroform
Concen: 5.103 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. 0.00 min
Lab File: VN061539.D
Acq: 28 May 2020 18:09

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.5	51.7	77.5





#31

Cyclohexane

Concen: 5.112 ug/l

RT: 7.61 min Scan# 1816

Delta R.T. 0.00 min

Lab File: VN061539.D

Acq: 28 May 2020 18:09

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion: 56 Resp: 39770

Ion Ratio Lower Upper

56 100

69 58.4 27.8 41.8#

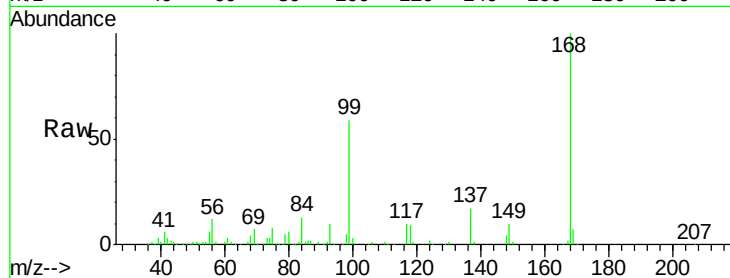
84 108.3 79.9 119.9

Manual Integrations

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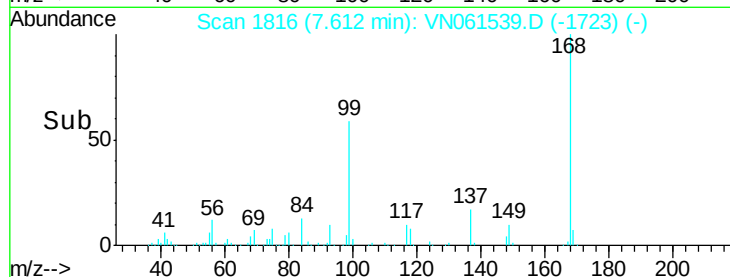


Abundance Ion 56.00 (55.70 to 56.70): VN061539.D (-1794) (-)

Ion 69.00 (68.70 to 69.70): VN061539.D (-1794) (-)

Ion 84.00 (83.70 to 84.70): VN061539.D (-1794) (-)

Time-->

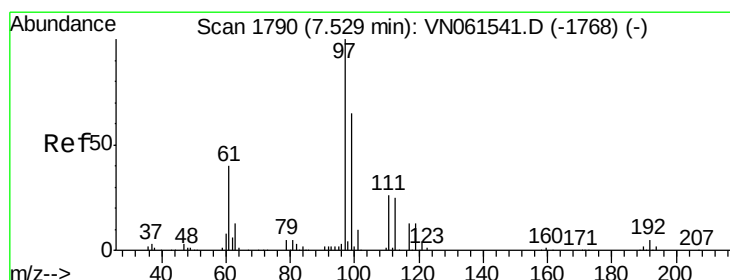


Abundance Ion 56.00 (55.70 to 56.70): VN061539.D (-1723) (-)

Ion 69.00 (68.70 to 69.70): VN061539.D (-1723) (-)

Ion 84.00 (83.70 to 84.70): VN061539.D (-1723) (-)

Time-->



#32

1,1,1-Trichloroethane

Concen: 5.113 ug/l

RT: 7.53 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VN061539.D

Acq: 28 May 2020 18:09

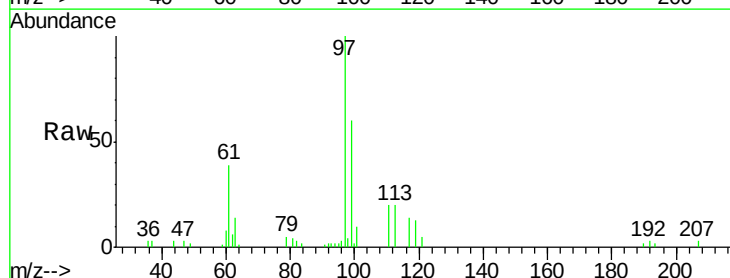
Tgt Ion: 97 Resp: 40206

Ion Ratio Lower Upper

97 100

99 62.5 51.4 77.0

61 39.4 31.4 47.0

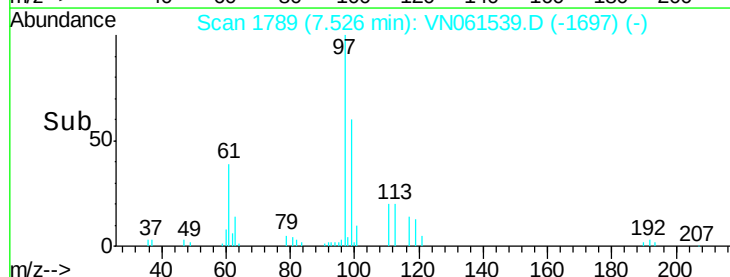


Abundance Ion 96.90 (96.60 to 97.60): VN061539.D (-1697) (-)

Ion 98.90 (98.60 to 99.60): VN061539.D (-1697) (-)

Ion 60.90 (60.60 to 61.60): VN061539.D (-1697) (-)

Time-->

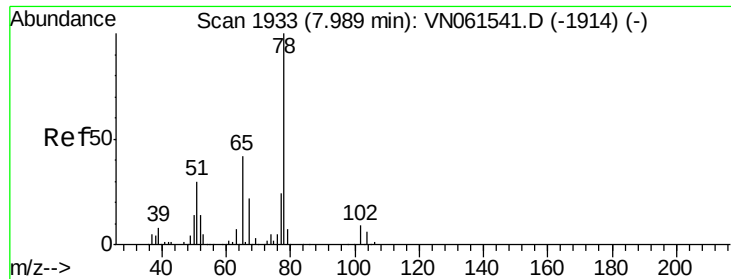


Abundance Ion 96.90 (96.60 to 97.60): VN061539.D (-1697) (-)

Ion 98.90 (98.60 to 99.60): VN061539.D (-1697) (-)

Ion 60.90 (60.60 to 61.60): VN061539.D (-1697) (-)

Time-->



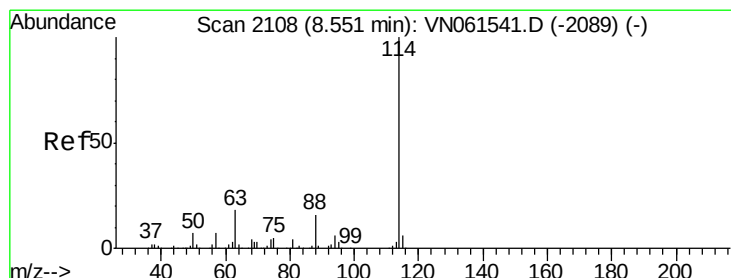
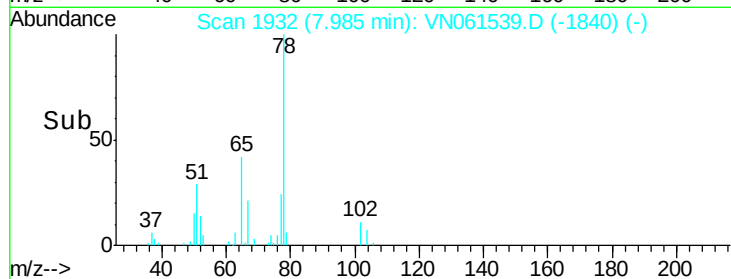
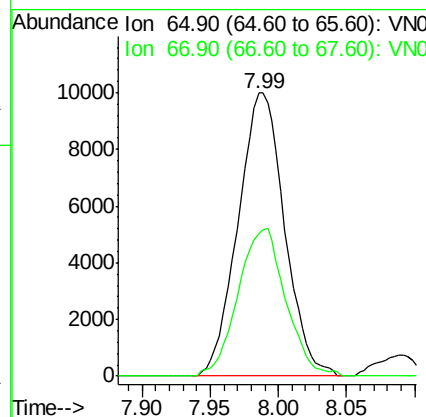
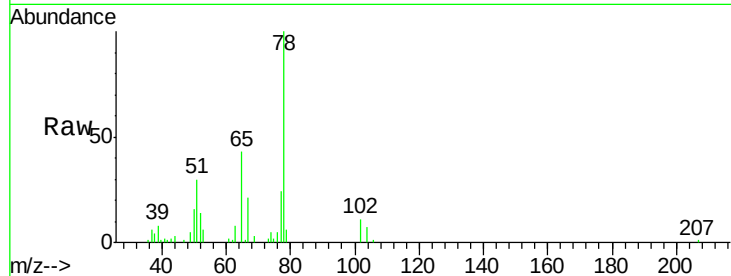
#33
 1,2-Dichloroethane-d4
 Concen: 4.229 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VN061539.D
 Acq: 28 May 2020 18:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
65	100	23604		
67	53.4	0.0	104.8	

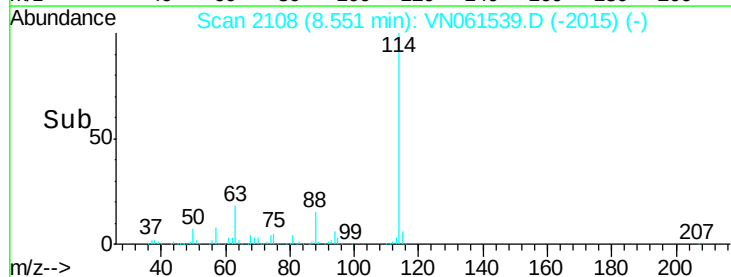
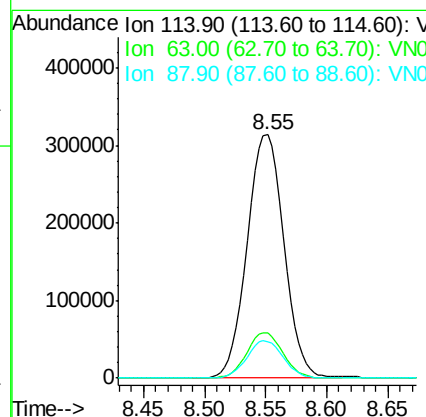
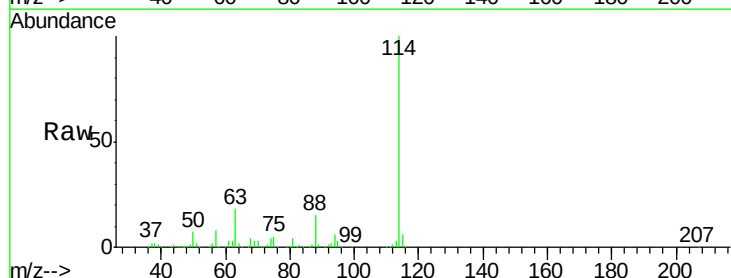
Manual Integrations
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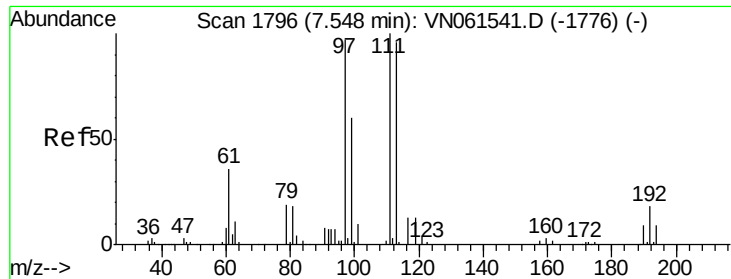
MMDadoda
 5/29/2020 5:46:45 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN061539.D
 Acq: 28 May 2020 18:09

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	653780		
63	18.3	0.0	35.8	
88	15.1	0.0	31.0	





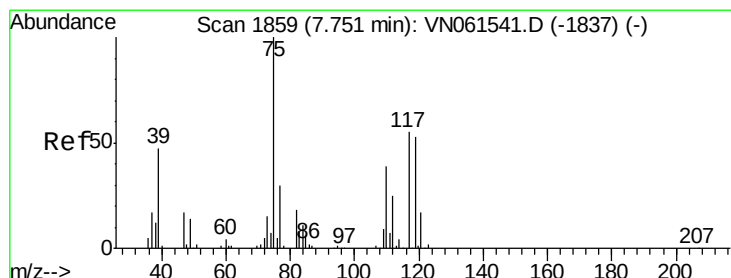
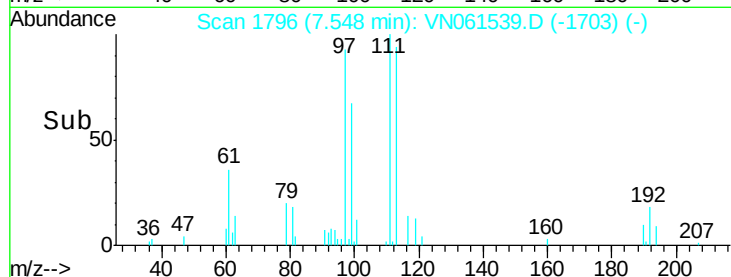
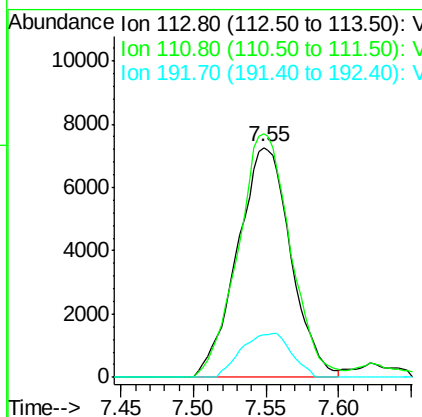
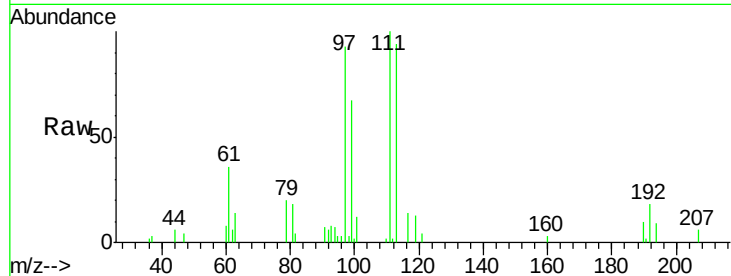
#35
Dibromofluoromethane
Concen: 5.400 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VN061539.D
Acq: 28 May 2020 18:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
113	100	18593		
111	103.9	83.4	125.0	
192	17.7	15.4	23.2	

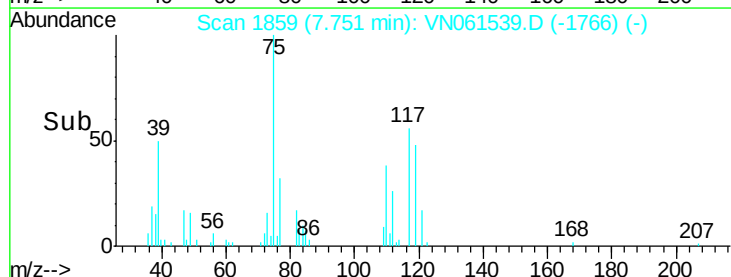
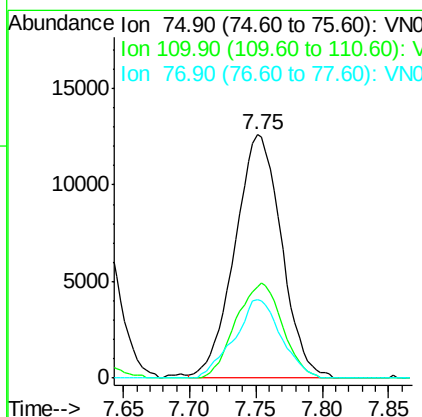
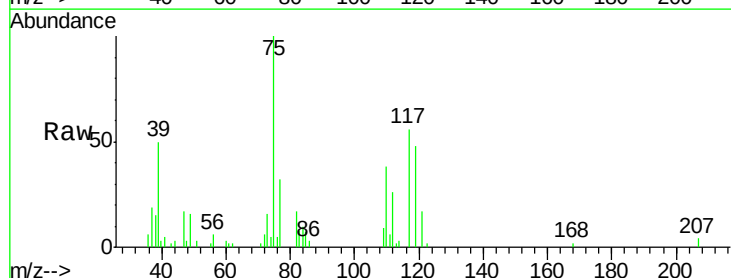
Manual Integrations
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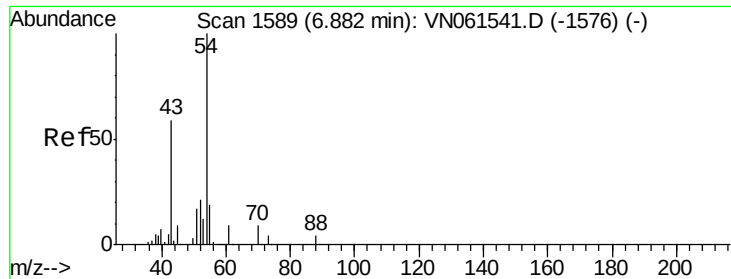
MMDadoda
5/29/2020 5:46:45 PM



#36
1,1-Dichloropropene
Concen: 5.131 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN061539.D
Acq: 28 May 2020 18:09

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	30908		
110	38.8	19.5	58.5	
77	32.1	24.7	37.1	





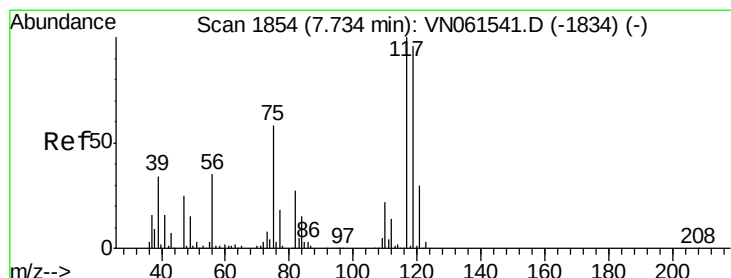
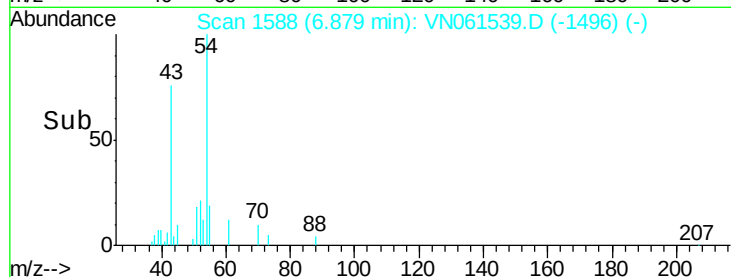
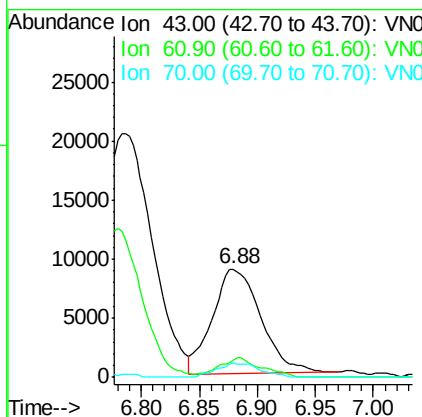
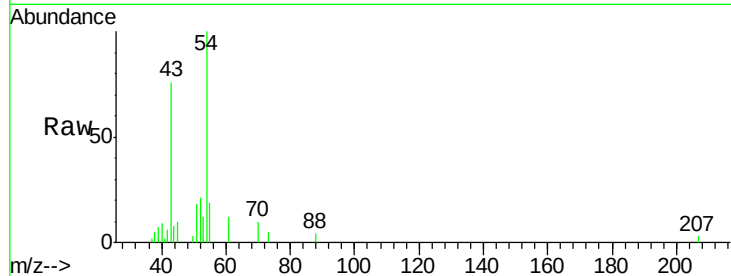
#37
Ethyl Acetate
Concen: 4.738 ug/l
RT: 6.88 min Scan# 1588
Delta R.T. -0.00 min
Lab File: VN061539.D
Acq: 28 May 2020 18:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	43	Resp	25828
Ion Ratio	100	Lower	Upper
43	100		
61	16.3	12.2	18.4
70	6.8	9.4	14.2

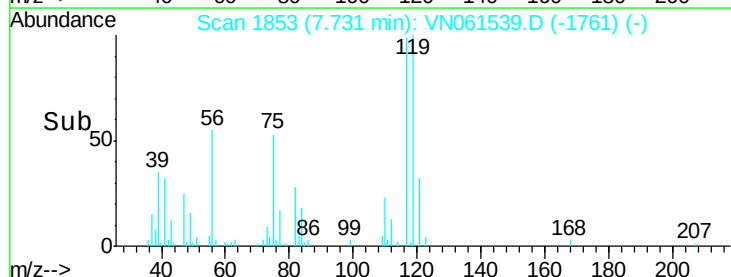
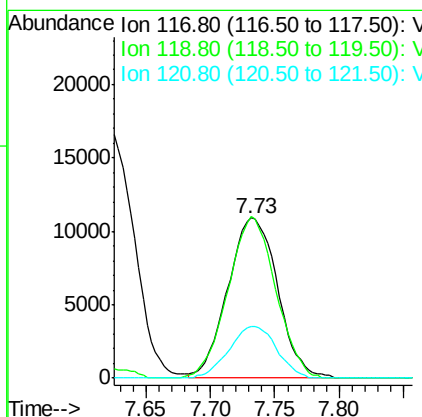
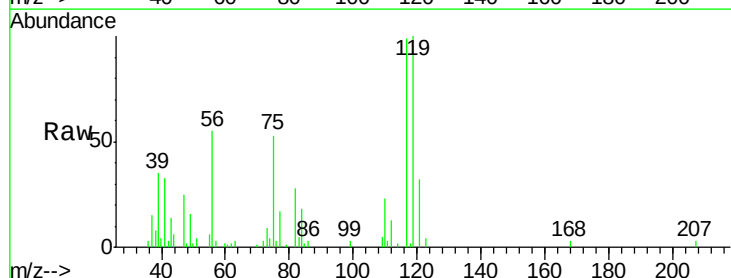
Manual Integrations
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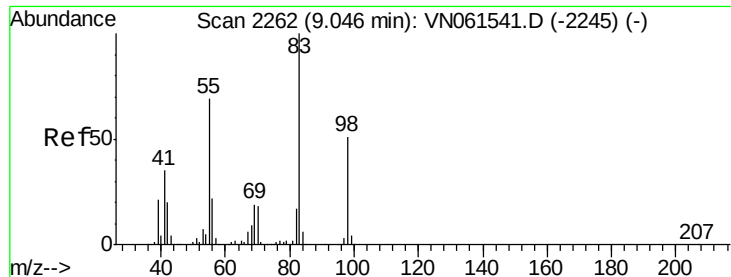
MMDadoda
5/29/2020 5:46:45 PM



#38
Carbon Tetrachloride
Concen: 5.253 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN061539.D
Acq: 28 May 2020 18:09

Tgt Ion	117	Resp	29275
Ion Ratio	100	Lower	Upper
117	100		
119	100.8	76.5	114.7
121	32.5	24.1	36.1





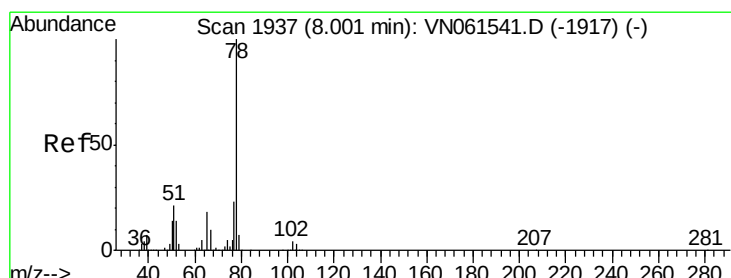
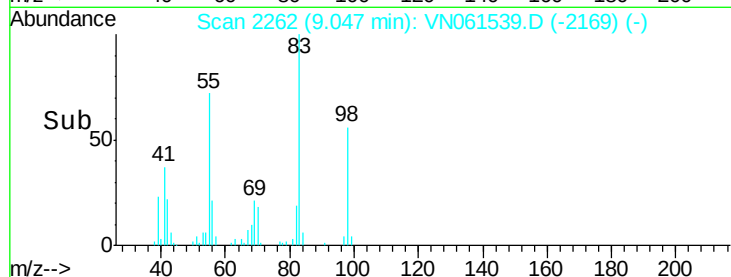
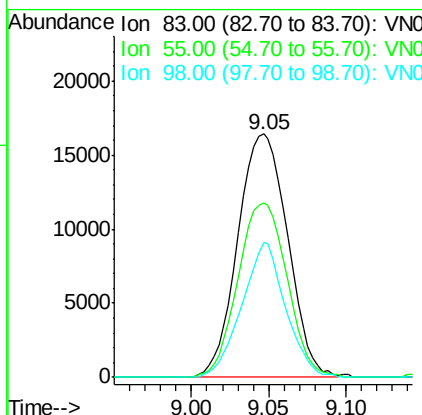
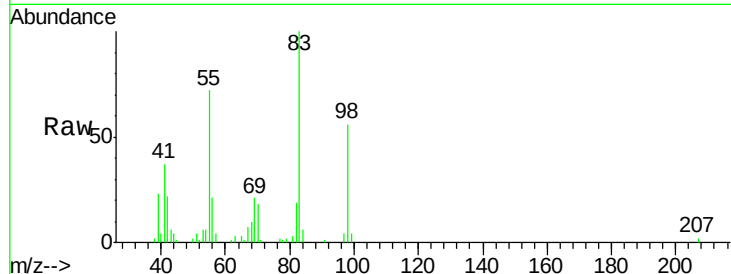
#39
Methylvlcyclohexane
Concen: 4.991 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VN061539.D
Acq: 28 May 2020 18:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.8	54.9	82.3
98	55.5	41.0	61.4

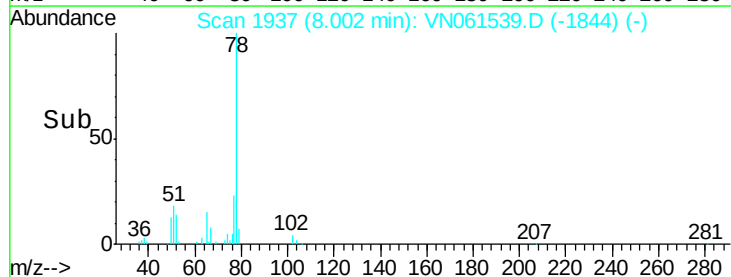
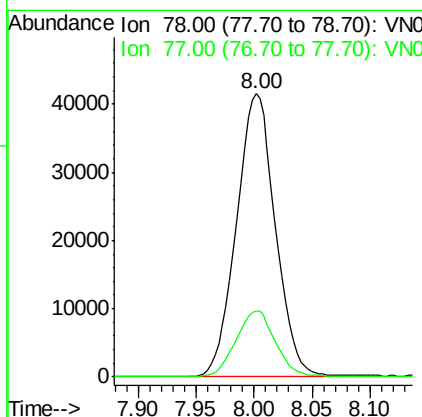
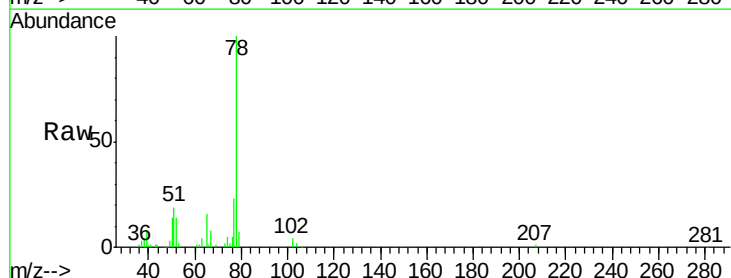
Manual Integrations
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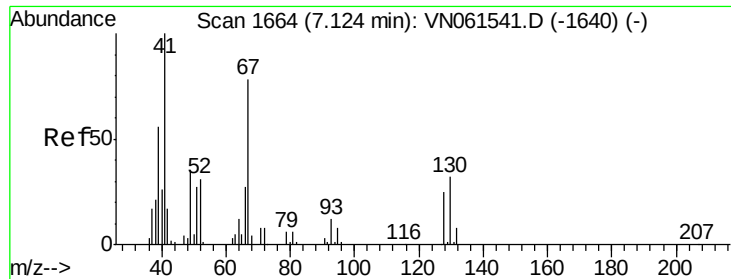
MMDadoda
5/29/2020 5:46:45 PM



#40
Benzene
Concen: 5.324 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VN061539.D
Acq: 28 May 2020 18:09

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.6	28.0





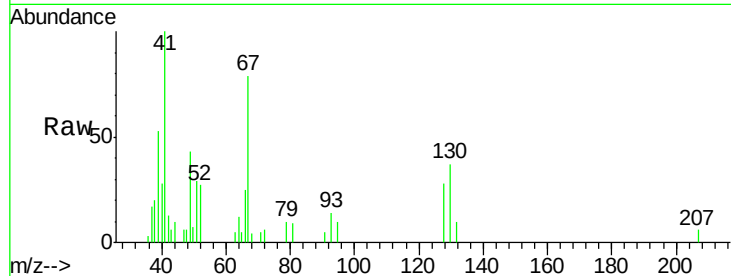
#41
Methacrylonitrile
Concen: 4.919 ug/l
RT: 7.12 min Scan# 1664
Delta R.T. 0.00 min
Lab File: VN061539.D
Acq: 28 May 2020 18:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	66.6	53.8	80.6		
67	104.8	91.1	136.7		
52	35.7	36.0	54.0		

Manual Integrations
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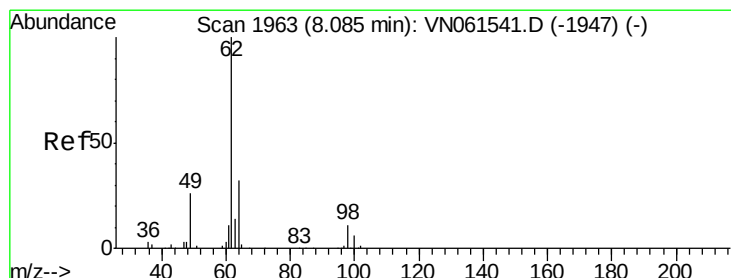
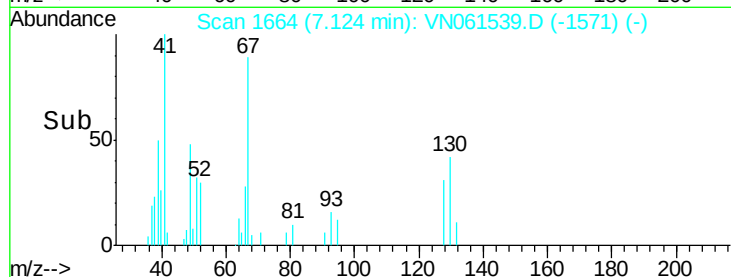
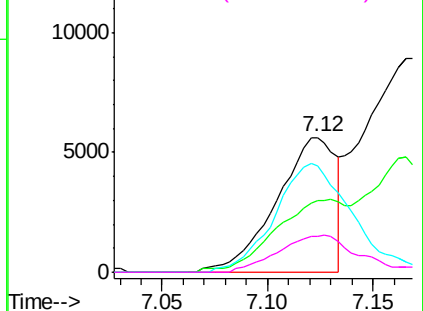


Abundance Ion 41.00 (40.70 to 41.70): VN061539.D (-1571) (-)

Ion 39.00 (38.70 to 39.70): VN061539.D (-1571) (-)

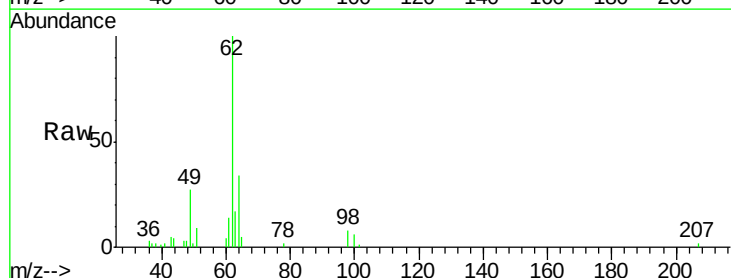
Ion 67.00 (66.70 to 67.70): VN061539.D (-1571) (-)

Ion 52.00 (51.70 to 52.70): VN061539.D (-1571) (-)



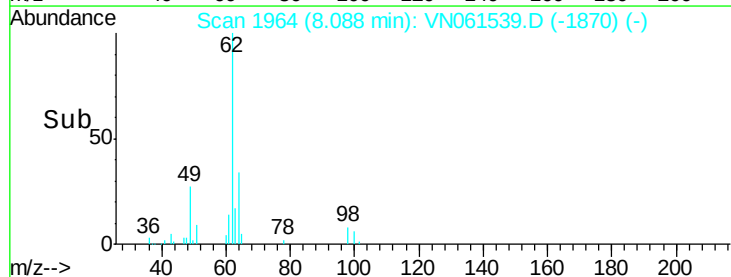
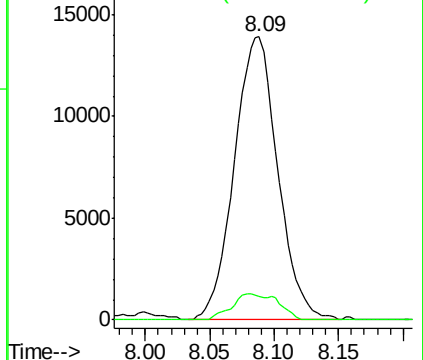
#42
1,2-Dichloroethane
Concen: 5.036 ug/l
RT: 8.09 min Scan# 1964
Delta R.T. 0.00 min
Lab File: VN061539.D
Acq: 28 May 2020 18:09

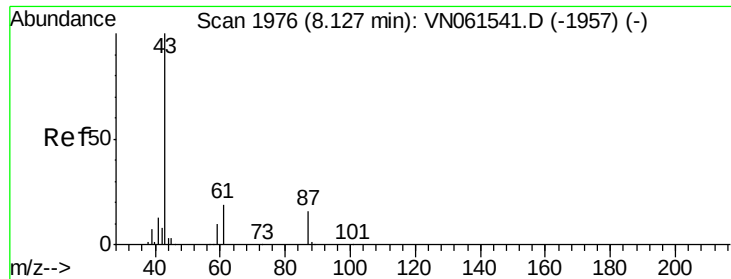
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	6.4	0.0	21.4		



Abundance Ion 61.90 (61.60 to 62.60): VN061539.D (-1870) (-)

Ion 97.90 (97.60 to 98.60): VN061539.D (-1870) (-)





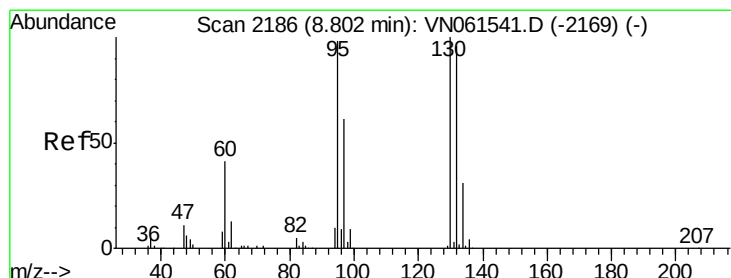
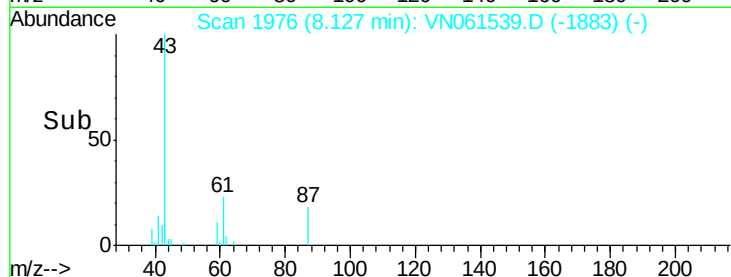
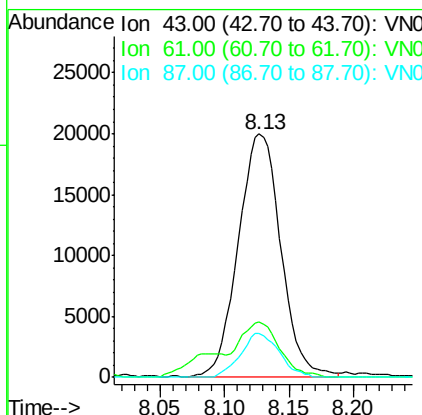
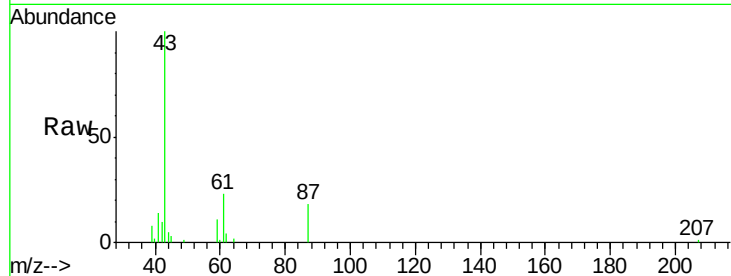
#43
Isopropyl Acetate
Concen: 4.887 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN061539.D
Acq: 28 May 2020 18:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.7	23.6	35.4#
87	16.4	13.0	19.6

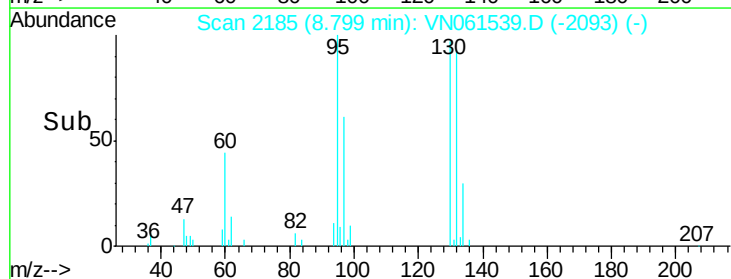
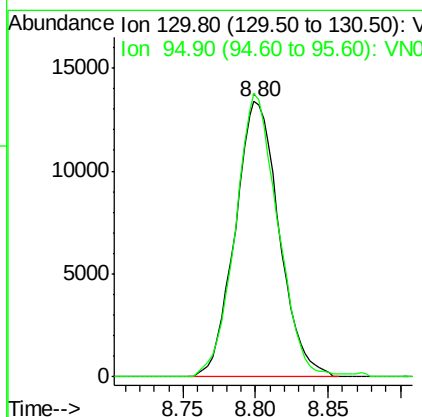
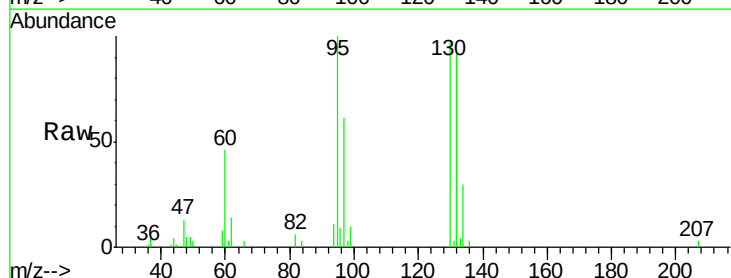
Manual Integrations
APPROVED

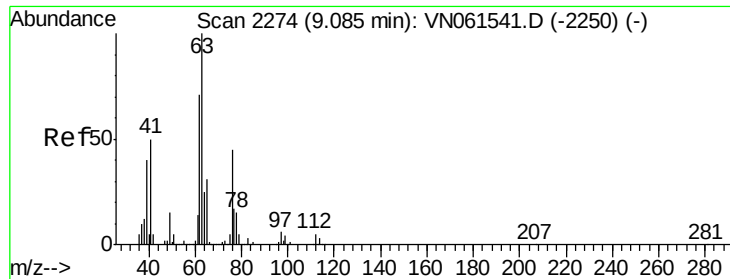
MMDadoda
5/29/2020 5:46:45 PM



#44
Trichloroethene
Concen: 5.739 ug/l
RT: 8.80 min Scan# 2185
Delta R.T. -0.00 min
Lab File: VN061539.D
Acq: 28 May 2020 18:09

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.8	0.0	196.6





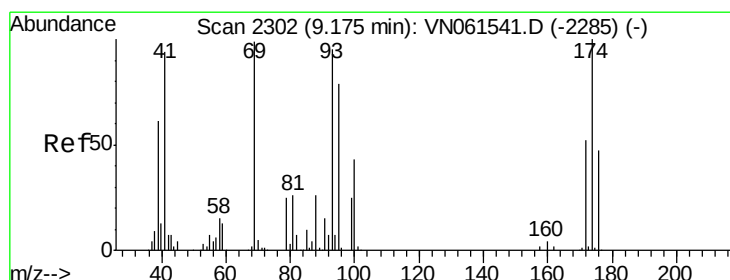
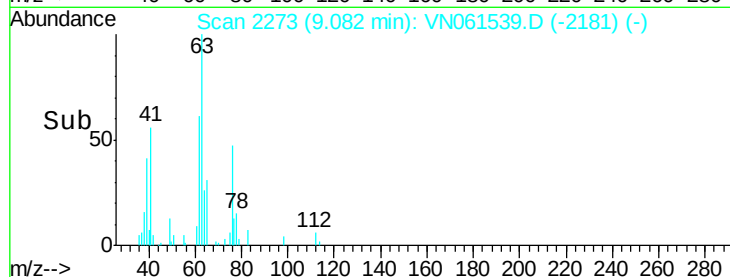
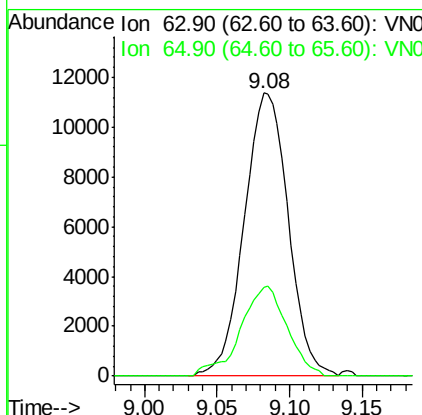
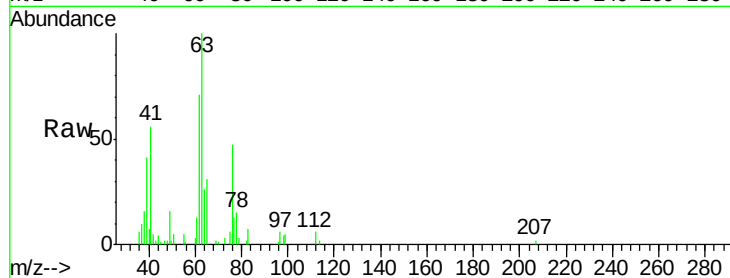
#45
 1,2-Dichloropropane
 Concen: 5.318 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VN061539.D
 Acq: 28 May 2020 18:09

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion: 63 Resp: 24028
 Ion Ratio Lower Upper
 63 100
 65 31.2 24.7 37.1

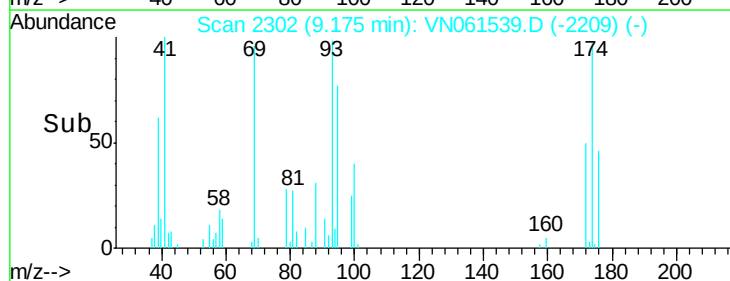
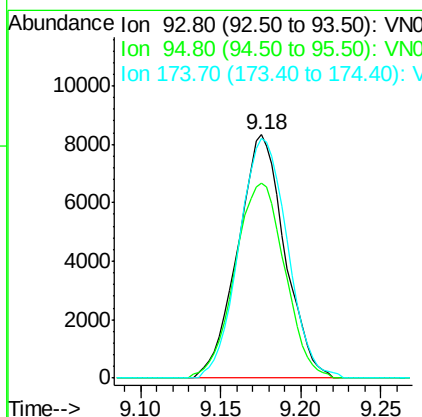
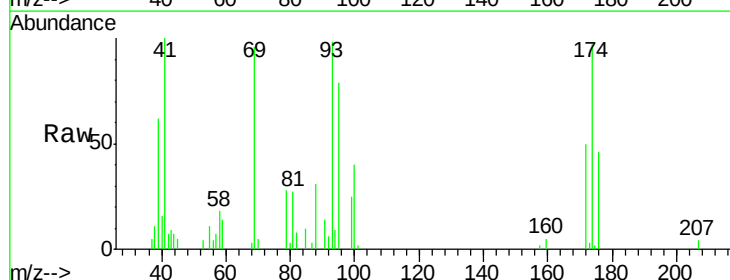
Manual Integrations
 APPROVED

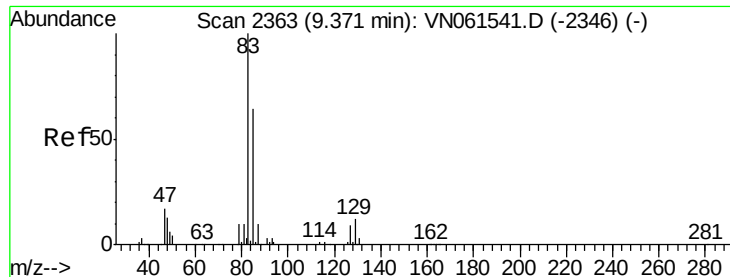
MMDadoda
 5/29/2020 5:46:45 PM



#46
 Dibromomethane
 Concen: 5.220 ug/l
 RT: 9.18 min Scan# 2302
 Delta R.T. 0.00 min
 Lab File: VN061539.D
 Acq: 28 May 2020 18:09

Tgt Ion: 93 Resp: 16772
 Ion Ratio Lower Upper
 93 100
 95 85.0 66.0 99.0
 174 101.0 82.5 123.7





#47

Bromodichloromethane

Concen: 5.313 ug/l

RT: 9.37 min Scan# 2362

Delta R.T. -0.00 min

Lab File: VN061539.D

Acq: 28 May 2020 18:09

Instrument :

MSVOA_N

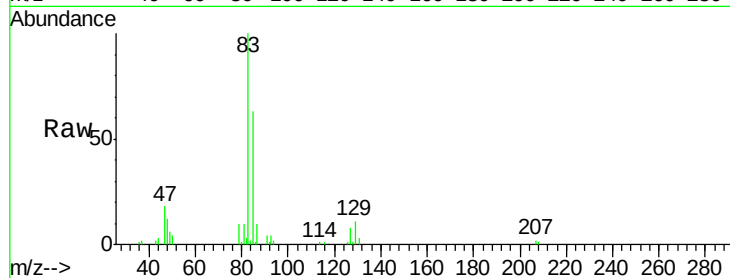
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	35587
Ion Ratio	Lower	Upper	
83	100		
85	63.5	51.1	76.7
127	8.3	7.2	10.8

Manual Integrations
APPROVED

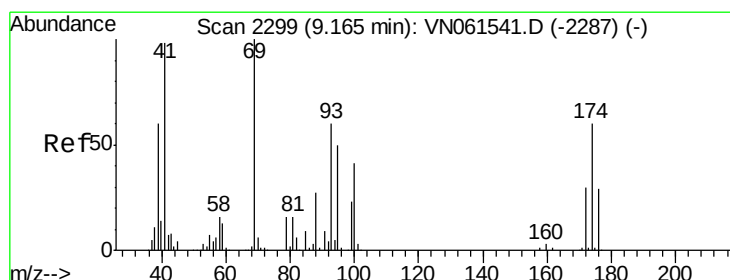
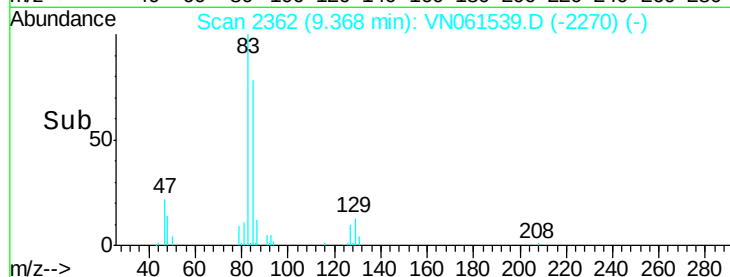
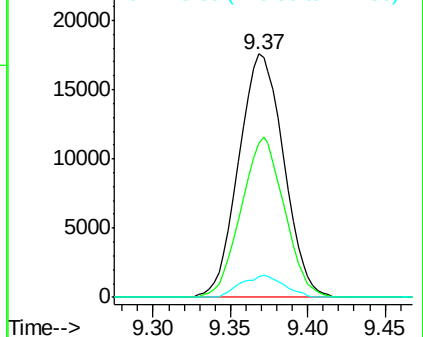
MMDadoda
5/29/2020 5:46:45 PM



Abundance Ion 82.90 (82.60 to 83.60): VN061539.D (-2270) (-)

Ion 84.90 (84.60 to 85.60): VN061539.D (-2270) (-)

Ion 126.80 (126.50 to 127.50): VN061539.D (-2270) (-)



#48

Methyl methacrylate

Concen: 4.557 ug/l

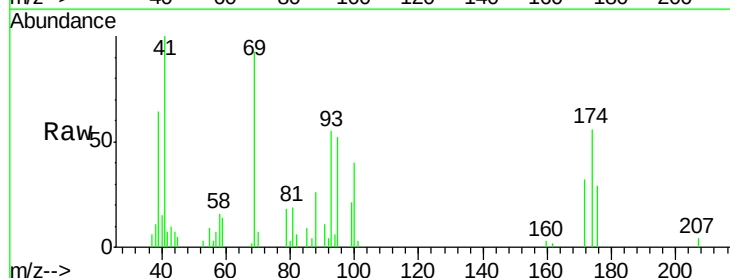
RT: 9.17 min Scan# 2299

Delta R.T. 0.00 min

Lab File: VN061539.D

Acq: 28 May 2020 18:09

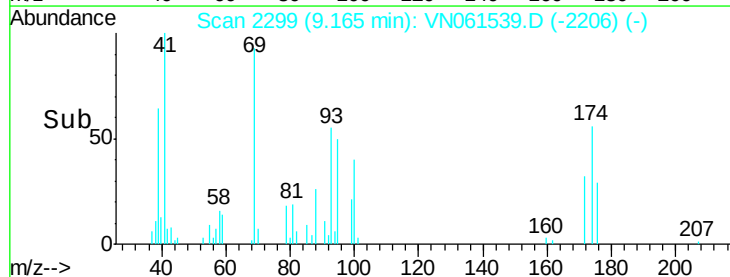
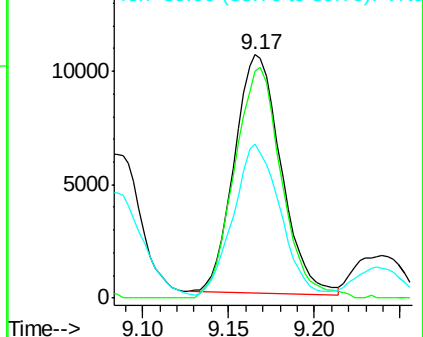
Tgt Ion:	41	Resp:	19741
Ion Ratio	Lower	Upper	
41	100		
69	98.1	83.9	125.9
39	66.2	52.1	78.1

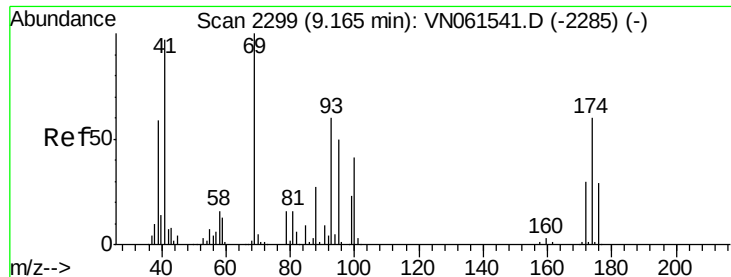


Abundance Ion 41.00 (40.70 to 41.70): VN061539.D (-2206) (-)

Ion 69.00 (68.70 to 69.70): VN061539.D (-2206) (-)

Ion 39.00 (38.70 to 39.70): VN061539.D (-2206) (-)





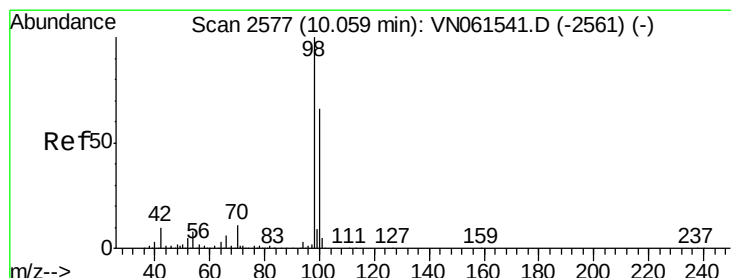
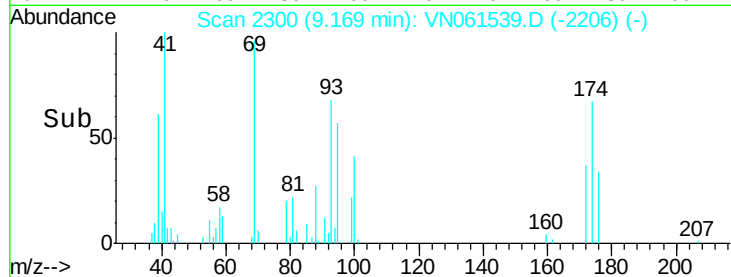
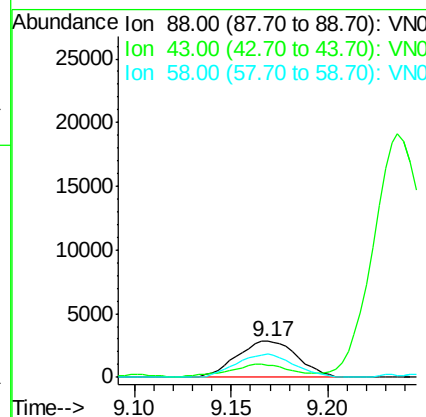
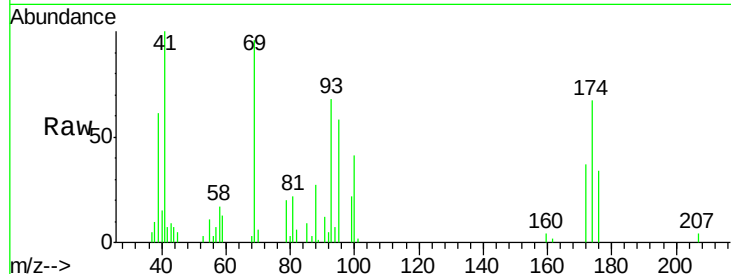
#49
 1,4-Dioxane
 Concen: 113.479 ug/l
 RT: 9.17 min Scan# 2300
 Delta R.T. 0.00 min
 Lab File: VN061539.D
 Acq: 28 May 2020 18:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 88 Resp: 6156
 Ion Ratio Lower Upper
 88 100
 43 37.9 23.1 34.7#
 58 61.2 48.3 72.5

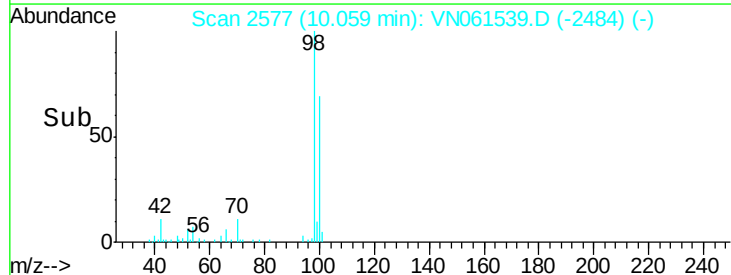
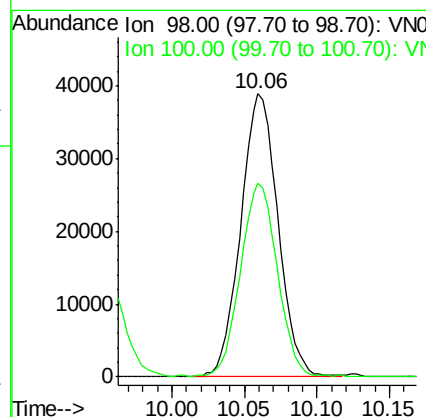
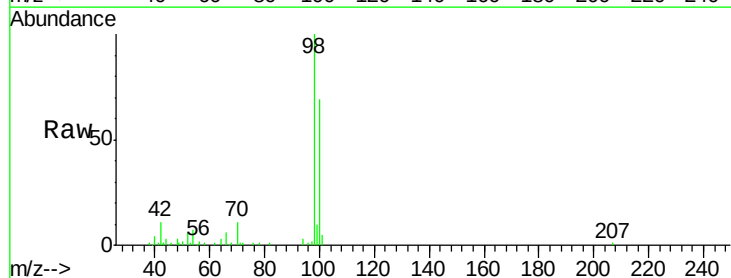
Manual Integrations
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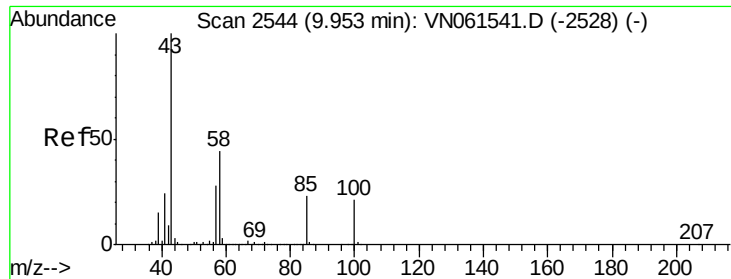
MMDadoda
 5/29/2020 5:46:45 PM



#50
 Toluene-d8
 Concen: 4.368 ug/l
 RT: 10.06 min Scan# 2577
 Delta R.T. 0.00 min
 Lab File: VN061539.D
 Acq: 28 May 2020 18:09

Tgt Ion: 98 Resp: 69564
 Ion Ratio Lower Upper
 98 100
 100 67.8 52.8 79.2





#51

4-Methyl-2-Pentanone

Concen: 25.068 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. 0.00 min

Lab File: VN061539.D

Acq: 28 May 2020 18:09

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion: 43 Resp: 129053

Ion Ratio Lower Upper

43 100

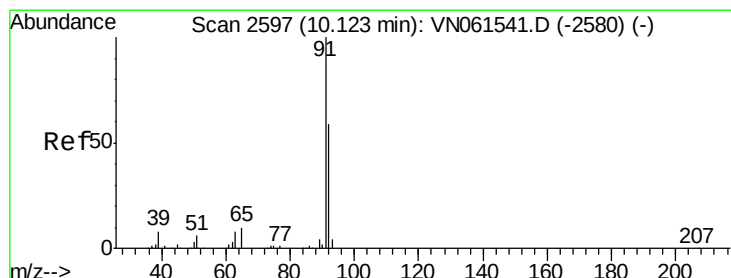
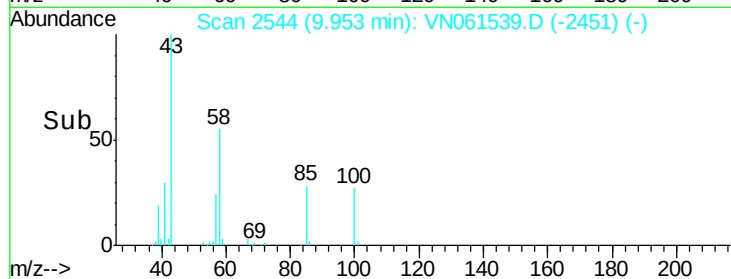
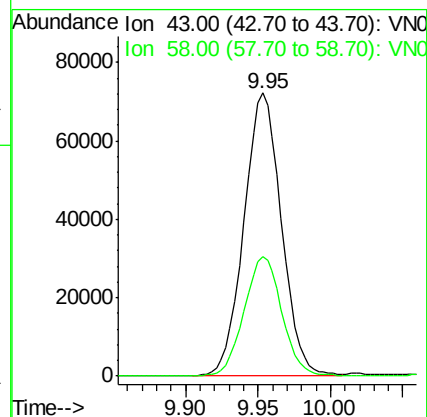
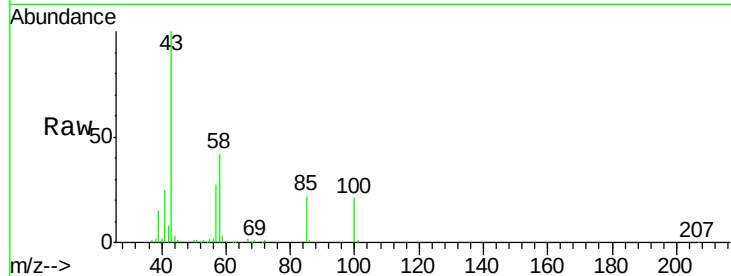
58 42.8 35.0 52.6

Manual Integrations

APPROVED

MMDadoda

5/29/2020 5:46:45 PM



#52

Toluene

Concen: 5.236 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. 0.00 min

Lab File: VN061539.D

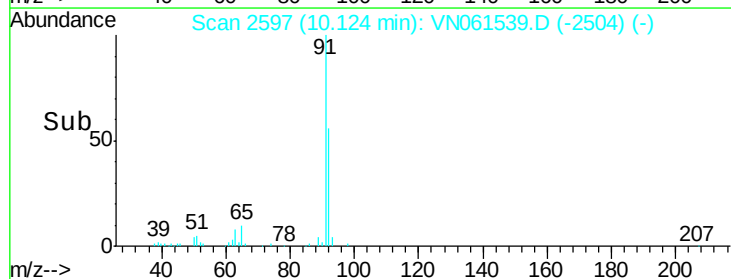
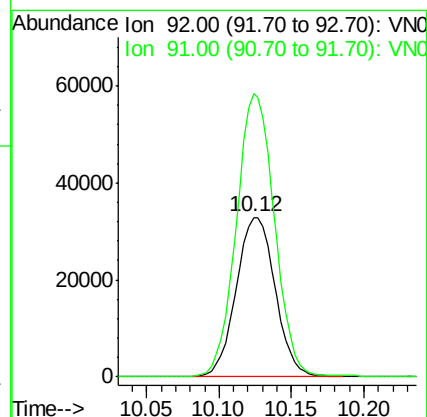
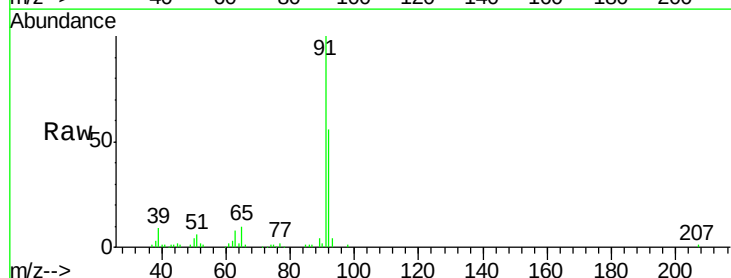
Acq: 28 May 2020 18:09

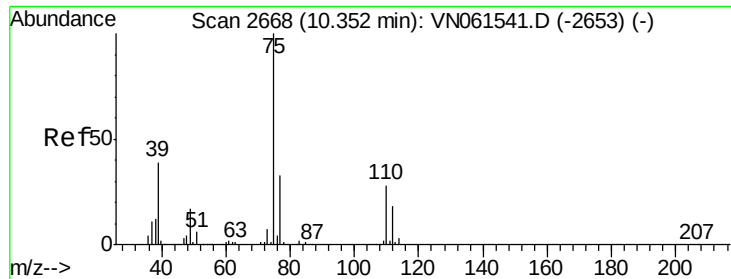
Tgt Ion: 92 Resp: 61338

Ion Ratio Lower Upper

92 100

91 173.6 136.4 204.6





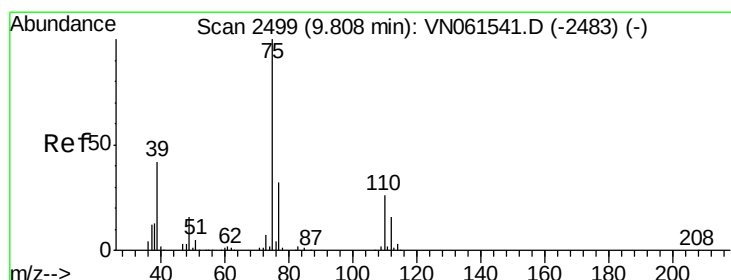
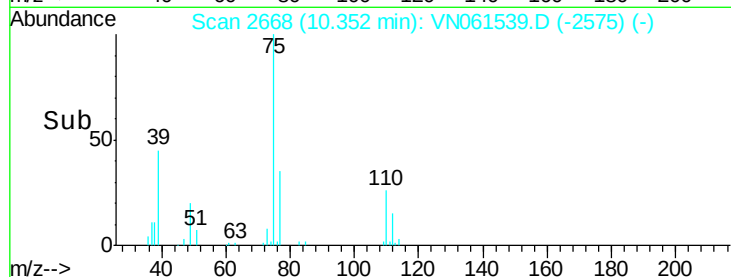
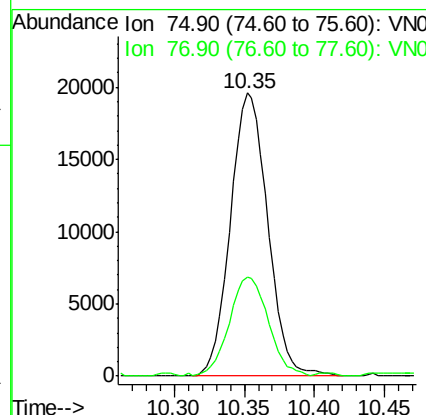
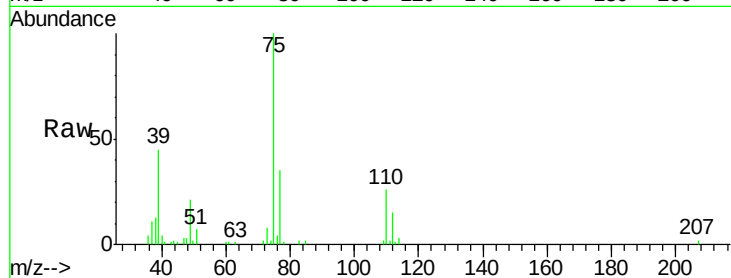
#53
 t-1,3-Dichloropropene
 Concen: 4.963 ug/l
 RT: 10.35 min Scan# 2668
 Delta R.T. 0.00 min
 Lab File: VN061539.D
 Acq: 28 May 2020 18:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 75 Resp: 36269
 Ion Ratio Lower Upper
 75 100
 77 35.1 26.2 39.4

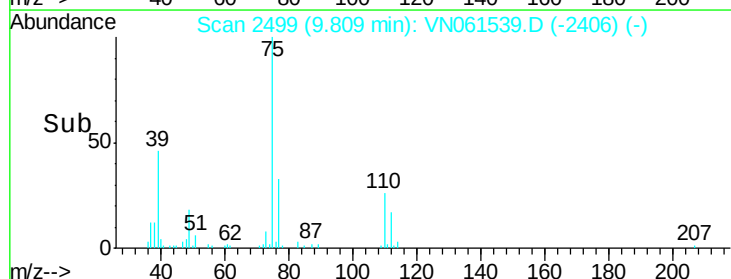
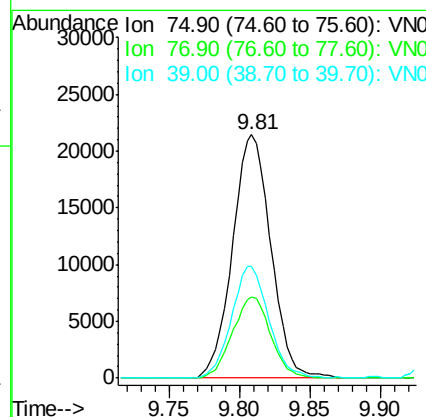
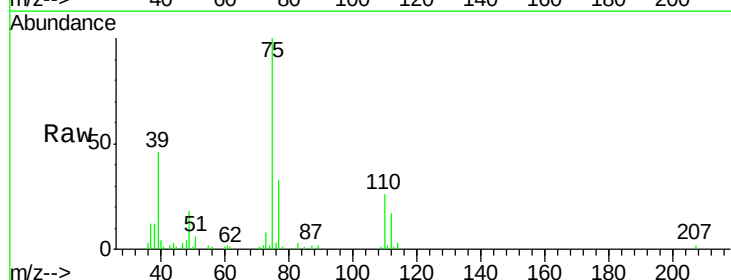
Manual Integrations
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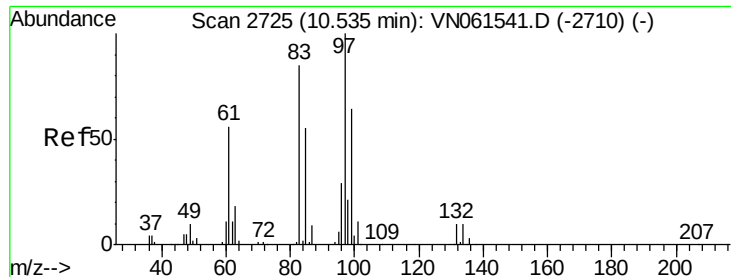
MMDadoda
 5/29/2020 5:46:45 PM



#54
 cis-1,3-Dichloropropene
 Concen: 5.222 ug/l
 RT: 9.81 min Scan# 2499
 Delta R.T. 0.00 min
 Lab File: VN061539.D
 Acq: 28 May 2020 18:09

Tgt Ion: 75 Resp: 40786
 Ion Ratio Lower Upper
 75 100
 77 33.2 25.4 38.2
 39 45.7 33.8 50.6





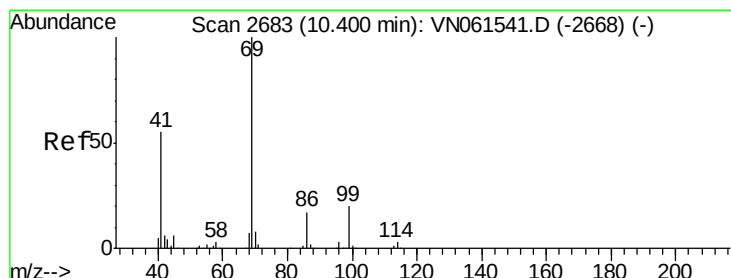
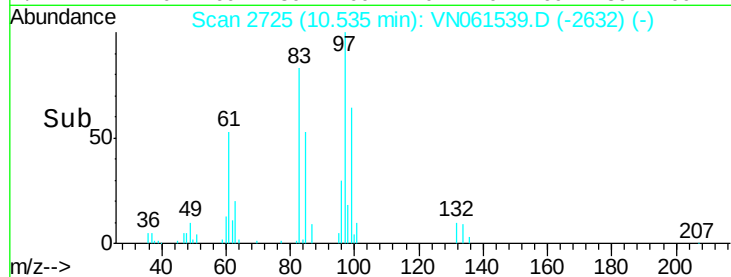
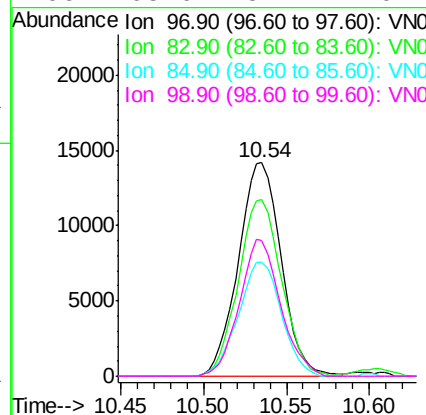
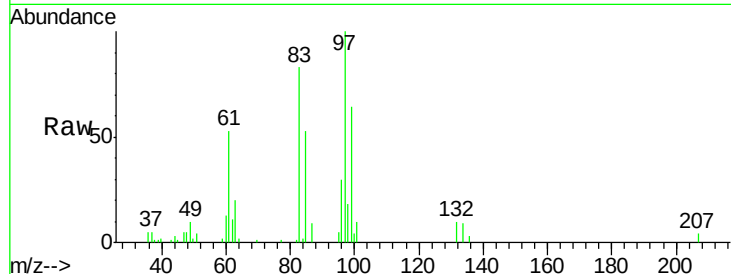
#55
 1,1,2-Trichloroethane
 Concen: 5.759 ug/l
 RT: 10.54 min Scan# 2725
 Delta R.T. 0.00 min
 Lab File: VN061539.D
 Acq: 28 May 2020 18:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion:	97	Resp:	25602
Ion	Ratio	Lower	Upper
97	100		
83	82.7	68.1	102.1
85	53.4	44.1	66.1
99	63.6	51.1	76.7

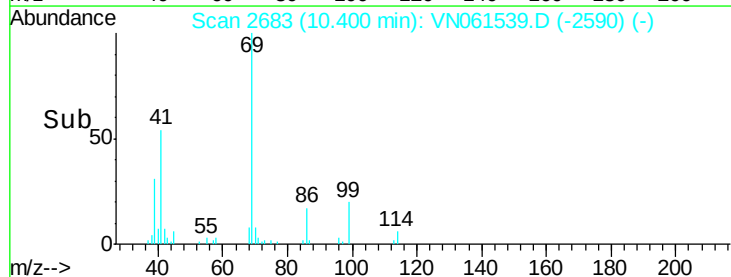
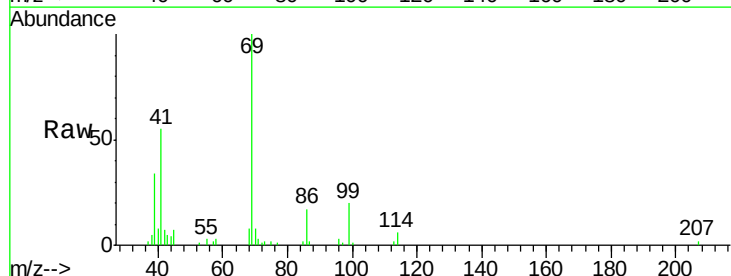
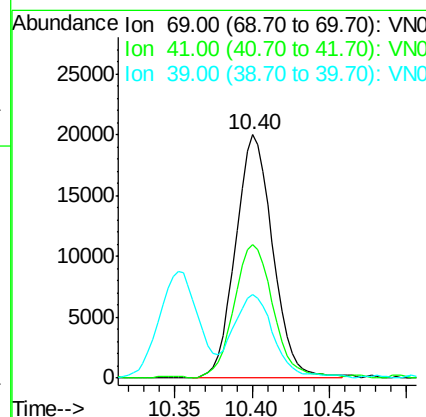
Manual Integrations
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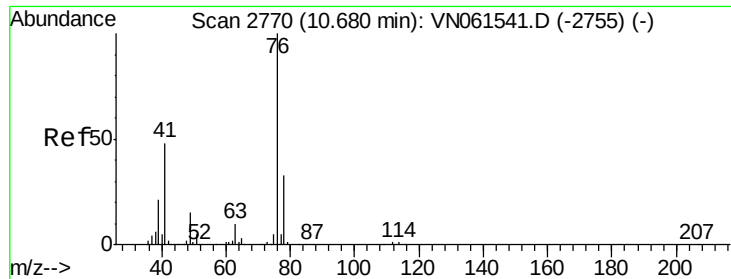
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 5/29/2020 5:46:45 PM



#56
 Ethyl methacrylate
 Concen: 4.865 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. 0.00 min
 Lab File: VN061539.D
 Acq: 28 May 2020 18:09

Tgt Ion:	69	Resp:	33400
Ion	Ratio	Lower	Upper
69	100		
41	58.2	43.5	65.3
39	37.4	27.0	40.6





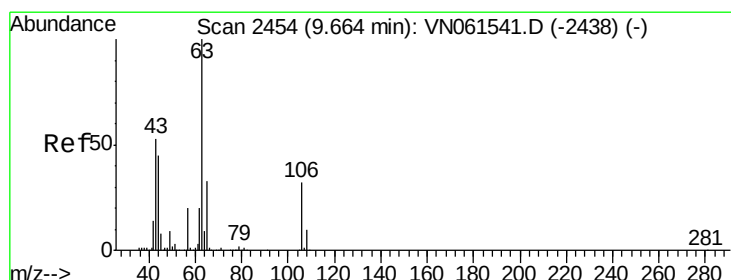
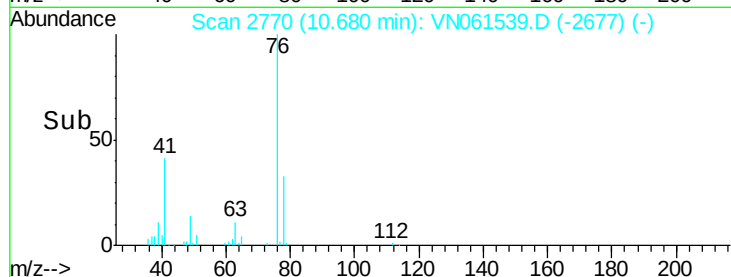
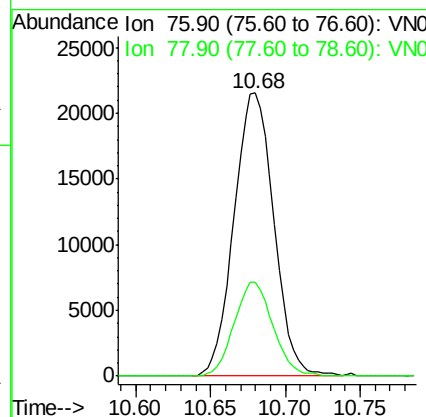
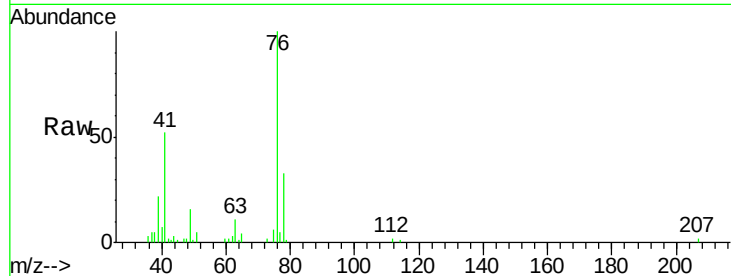
#57
 1,3-Dichloropropane
 Concen: 5.244 ug/l
 RT: 10.68 min Scan# 2770
 Delta R.T. 0.00 min
 Lab File: VN061539.D
 Acq: 28 May 2020 18:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	26.3	39.5

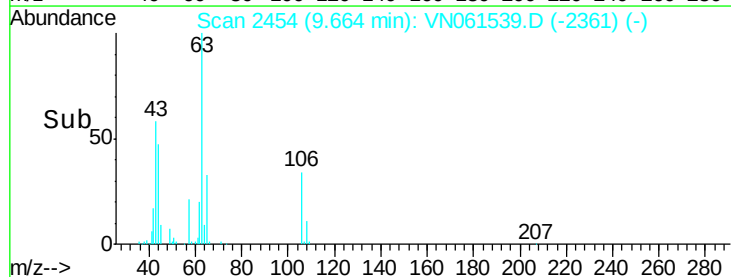
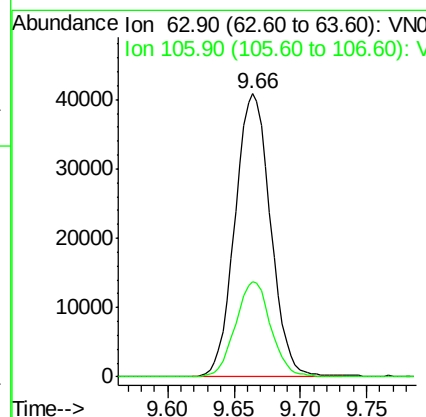
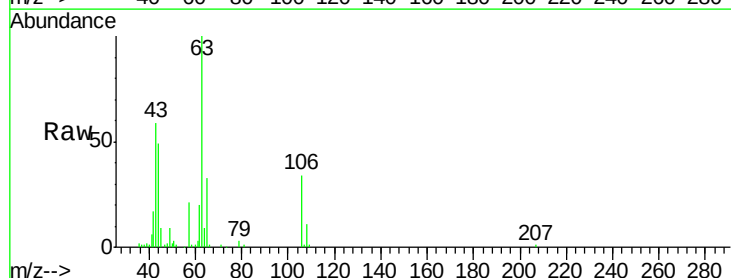
Manual Integrations
 APPROVED

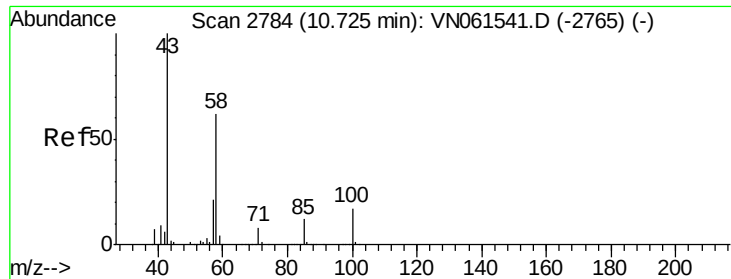
MMDadoda
 5/29/2020 5:46:45 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 25.279 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. 0.00 min
 Lab File: VN061539.D
 Acq: 28 May 2020 18:09

Tgt Ion	Ratio	Lower	Upper
63	100		
106	33.3	25.9	38.9





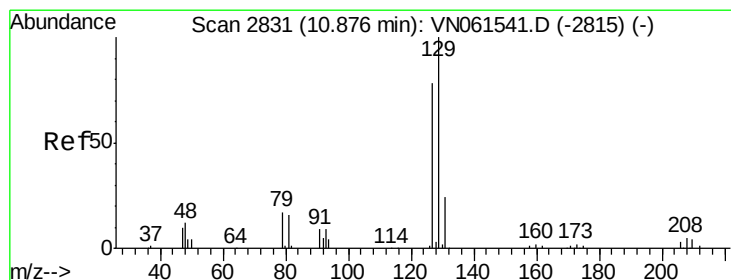
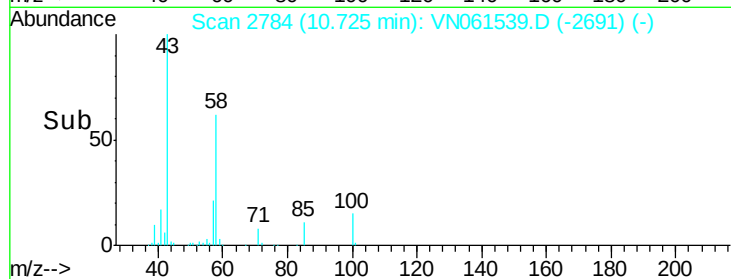
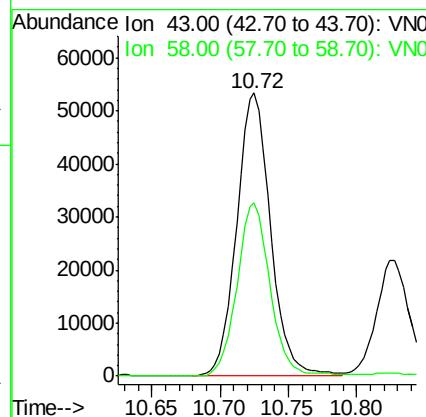
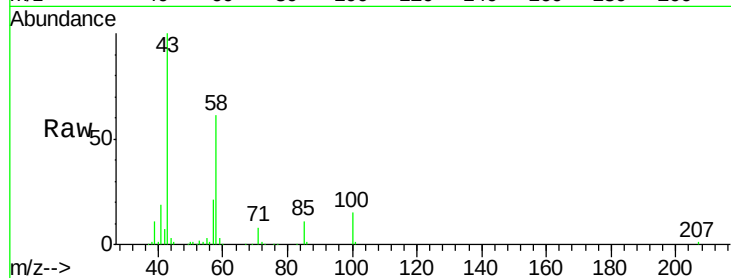
#59
2-Hexanone
Concen: 24.480 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. 0.00 min
Lab File: VN061539.D
Acq: 28 May 2020 18:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	43.00	Resp	91127
Ion Ratio	100	Lower	Upper
43	100		
58	59.7	30.7	92.1

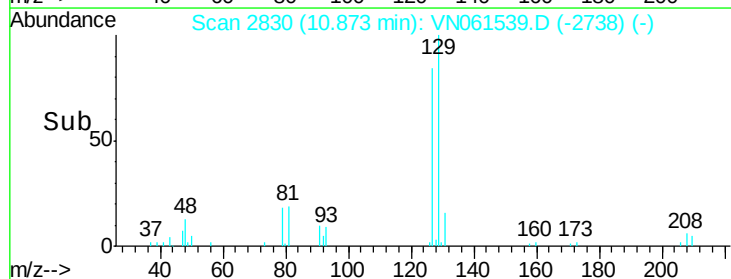
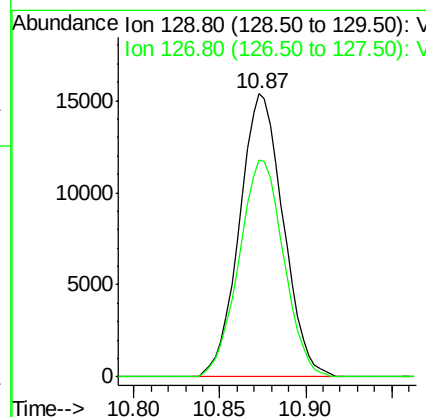
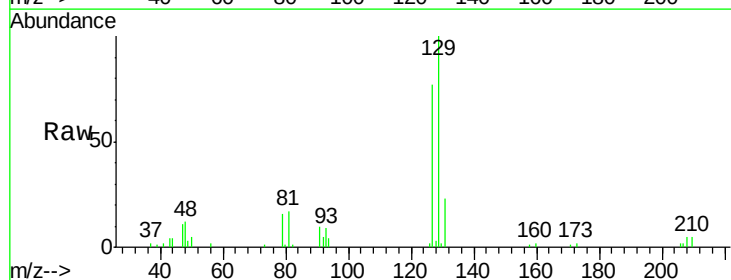
Manual Integrations
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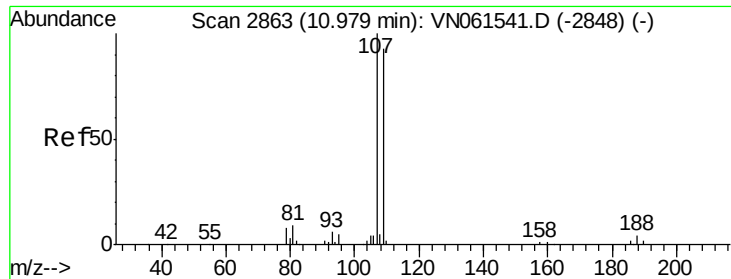
MMDadoda
5/29/2020 5:46:45 PM



#60
Dibromochloromethane
Concen: 5.502 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN061539.D
Acq: 28 May 2020 18:09

Tgt Ion	129	Resp	27270
Ion Ratio	100	Lower	Upper
129	100		
127	78.1	38.8	116.3





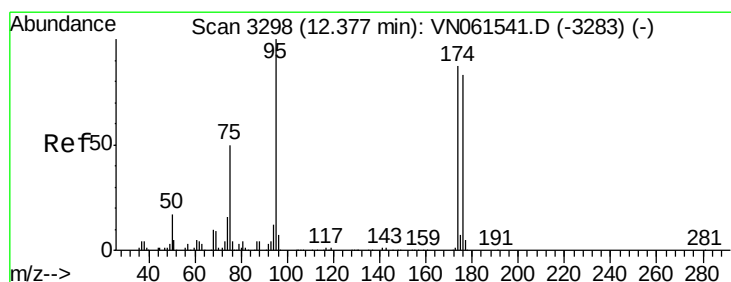
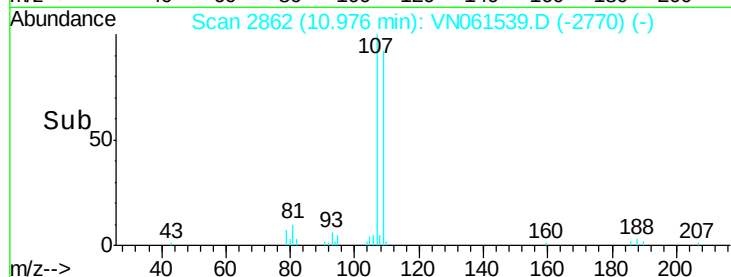
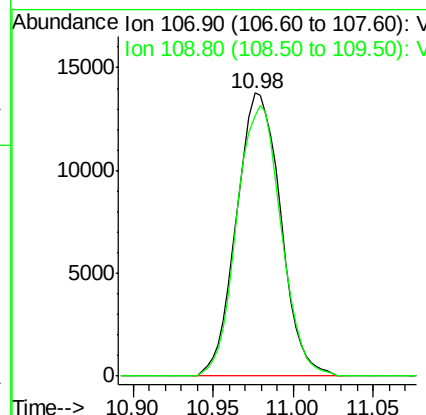
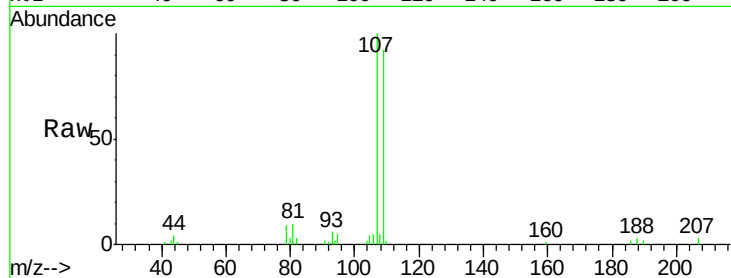
#61
 1,2-Dibromoethane
 Concen: 5.541 ug/l
 RT: 10.98 min Scan# 2862
 Delta R.T. -0.00 min
 Lab File: VN061539.D
 Acq: 28 May 2020 18:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.9	76.1	114.1

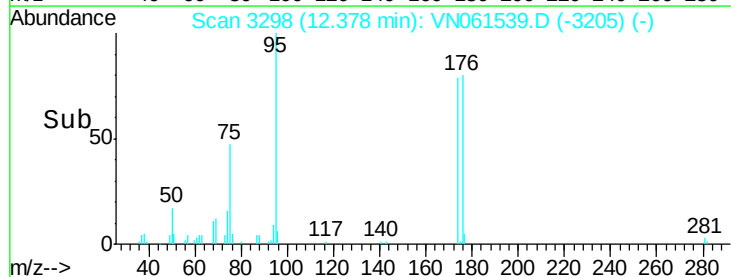
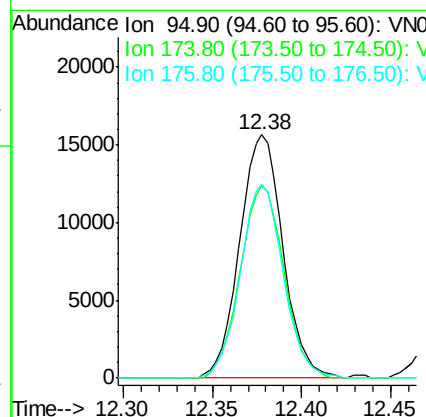
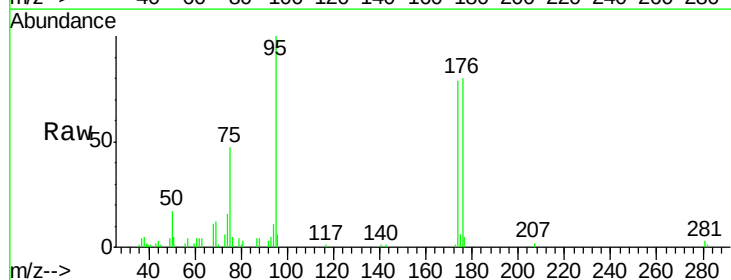
Manual Integrations
 APPROVED

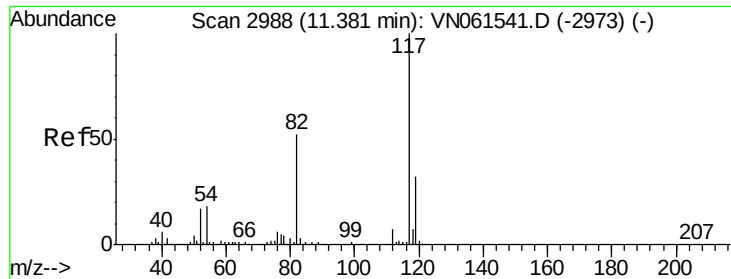
MMDadoda
 5/29/2020 5:46:45 PM



#62
 4-Bromofluorobenzene
 Concen: 4.486 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.00 min
 Lab File: VN061539.D
 Acq: 28 May 2020 18:09

Tgt Ion	Ratio	Lower	Upper
95	100		
174	79.9	0.0	172.8
176	79.1	0.0	164.8





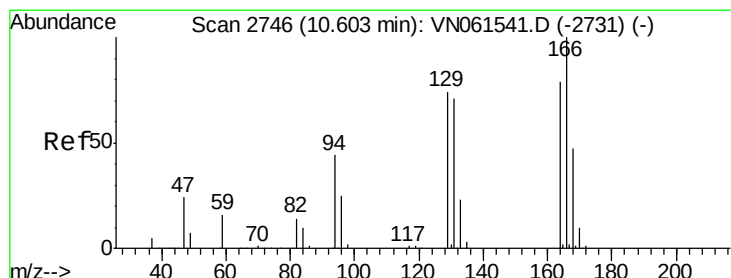
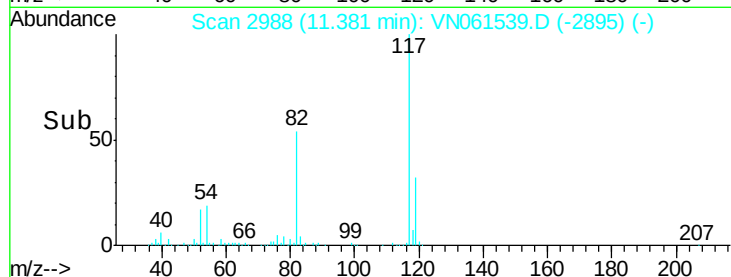
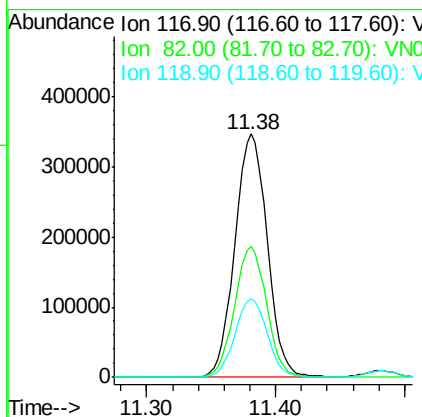
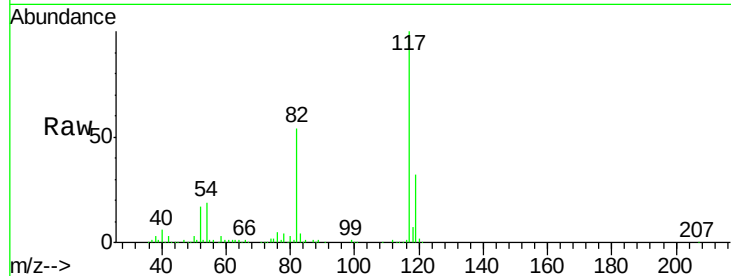
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN061539.D
Acq: 28 May 2020 18:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
117	100	605850		
82	53.6		41.5	62.3
119	32.4		25.6	38.4

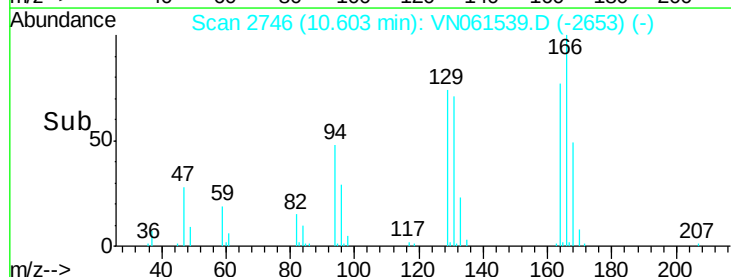
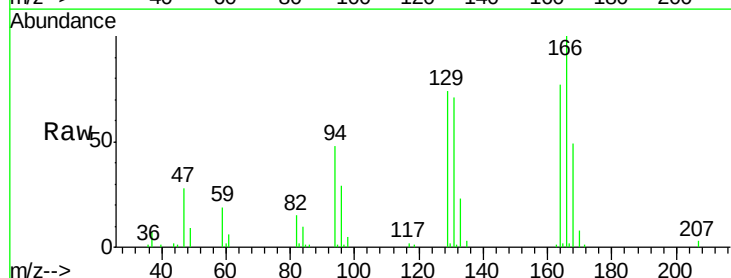
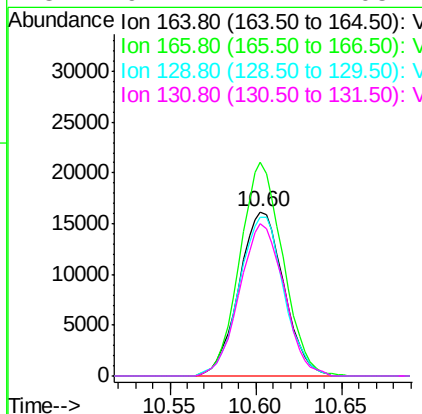
Manual Integrations
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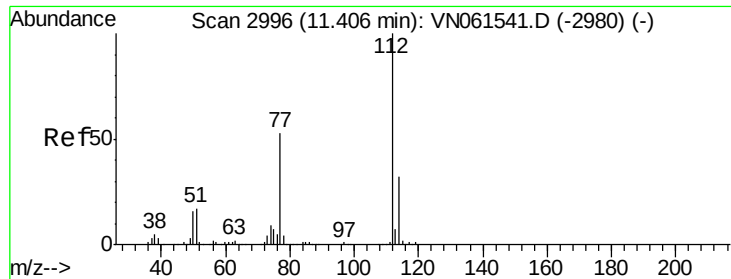
MMDadoda
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#64
Tetrachloroethene
Concen: 6.034 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. 0.00 min
Lab File: VN061539.D
Acq: 28 May 2020 18:09

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	29171		
166	130.0		101.5	152.3
129	96.7		74.9	112.3
131	92.7		72.2	108.2





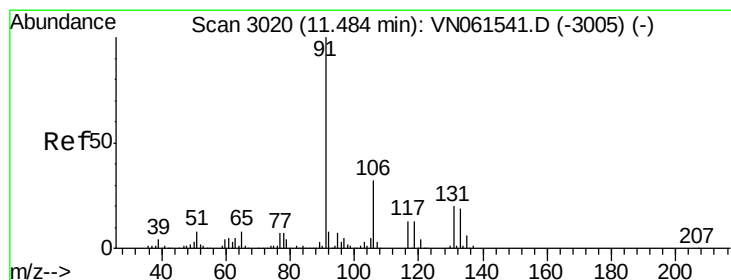
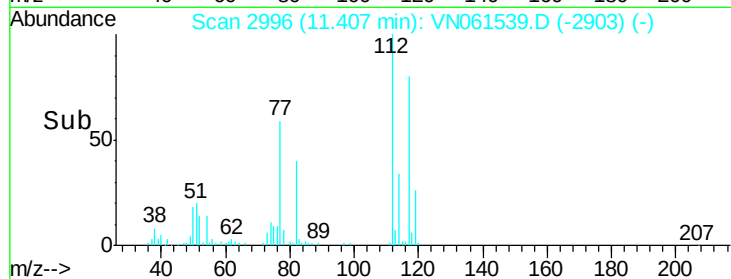
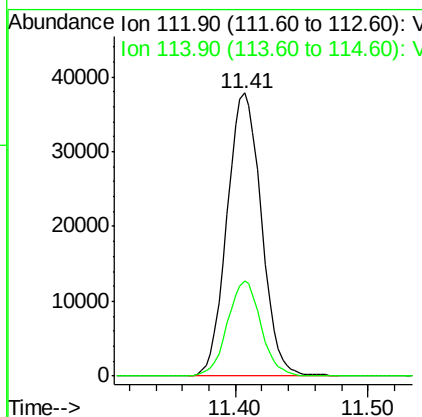
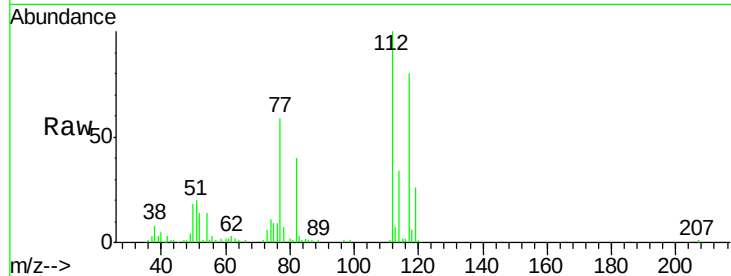
#65
Chlorobenzene
Concen: 5.530 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN061539.D
Acq: 28 May 2020 18:09

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion:112 Resp: 68126
Ion Ratio Lower Upper
112 100
114 33.5 25.7 38.5

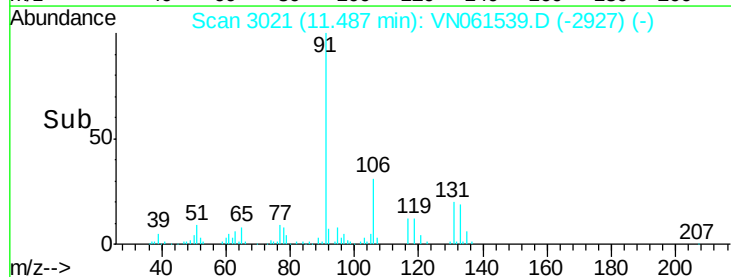
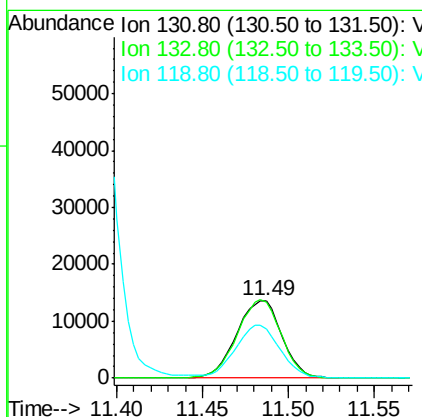
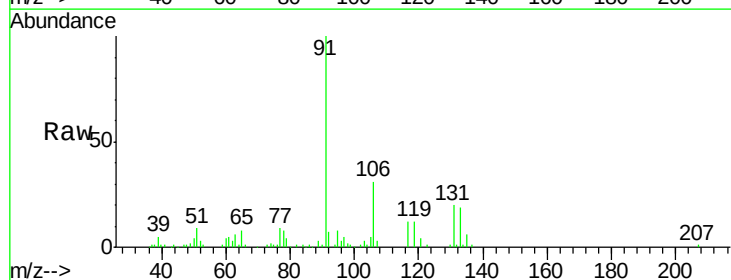
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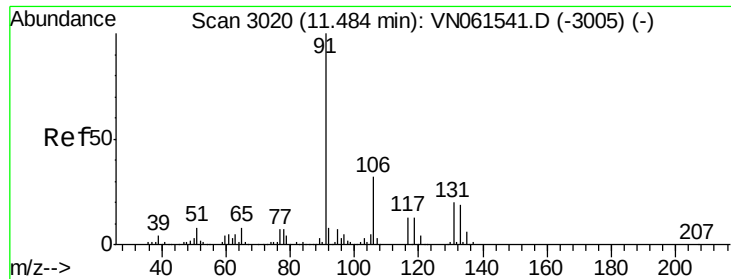
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 5.599 ug/l
RT: 11.49 min Scan# 3021
Delta R.T. 0.00 min
Lab File: VN061539.D
Acq: 28 May 2020 18:09

Tgt Ion:131 Resp: 24885
Ion Ratio Lower Upper
131 100
133 98.1 47.4 142.2
119 67.9 32.6 97.8





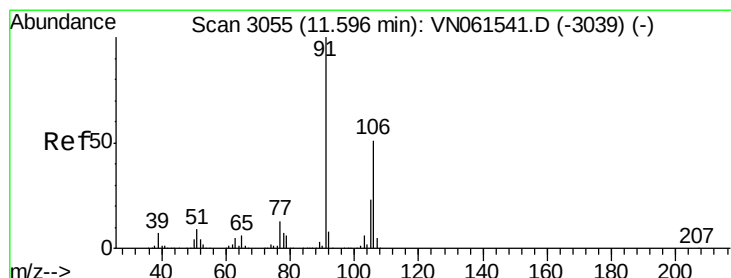
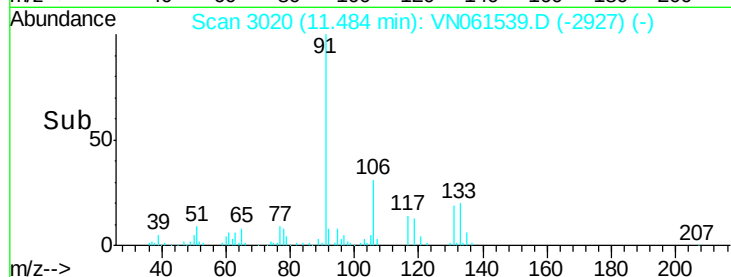
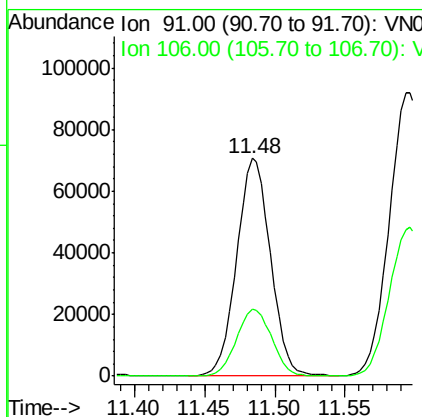
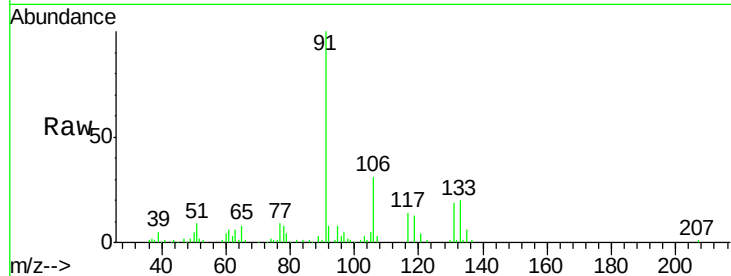
#67
Ethyl Benzene
Concen: 5.363 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN061539.D
Acq: 28 May 2020 18:09

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	91	Resp	119138
Ion Ratio	100	Lower	Upper
106	30.6	25.6	38.4

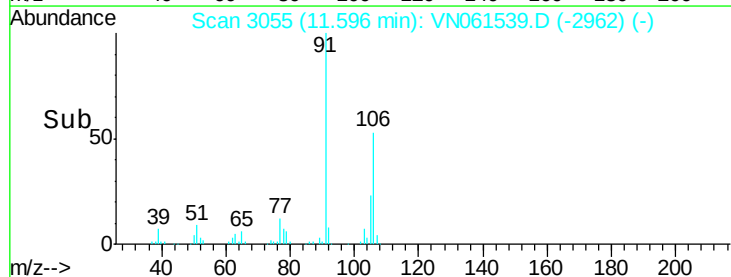
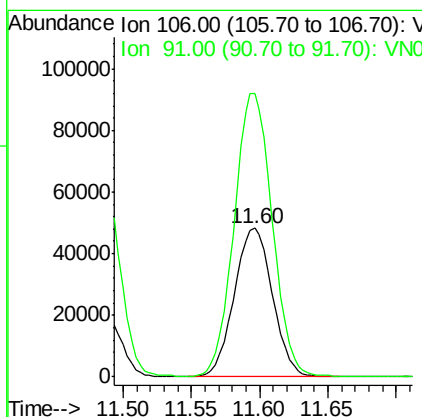
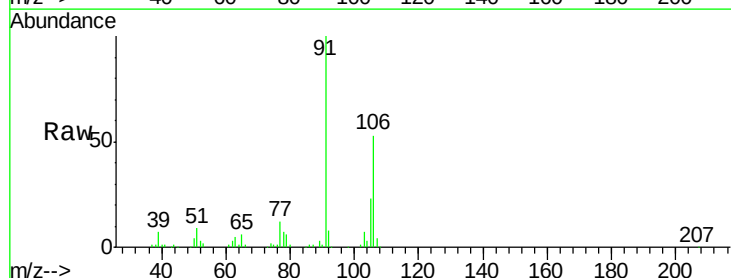
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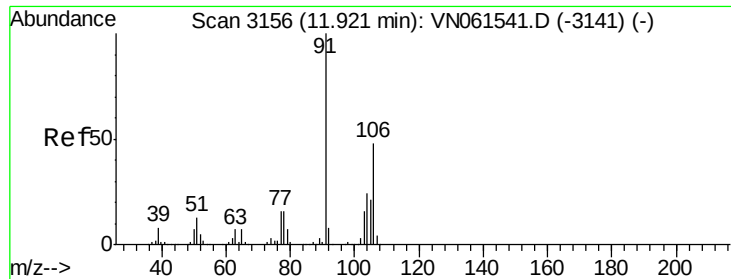
MMDadoda
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#68
m/p-Xylenes
Concen: 11.043 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VN061539.D
Acq: 28 May 2020 18:09

Tgt Ion	106	Resp	93762
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
91	189.2	156.2	234.4





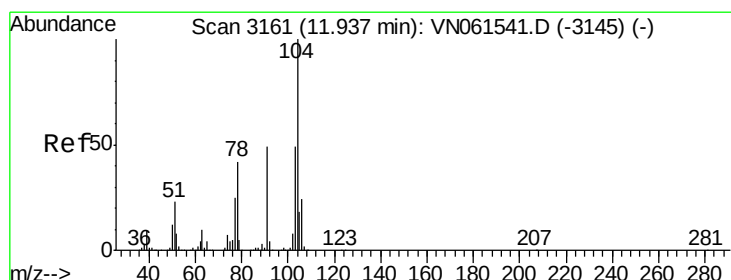
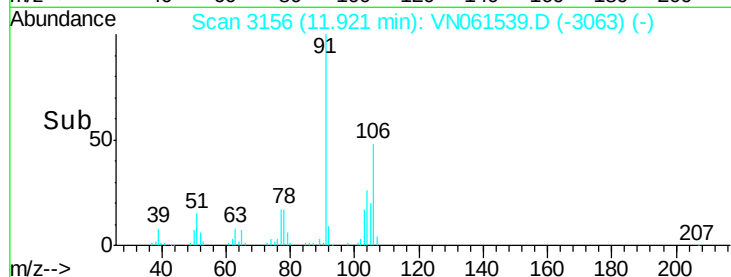
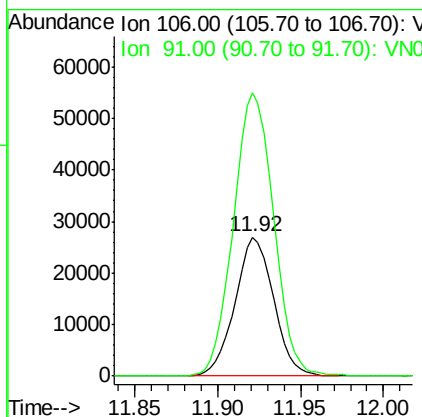
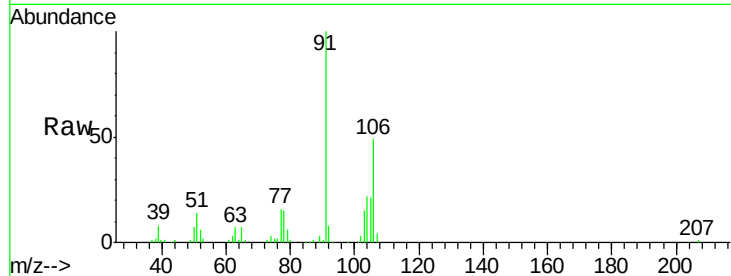
#69
o-Xylene
Concen: 5.326 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN061539.D
Acq: 28 May 2020 18:09

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		43768		
91	213.0	103.3	309.8		

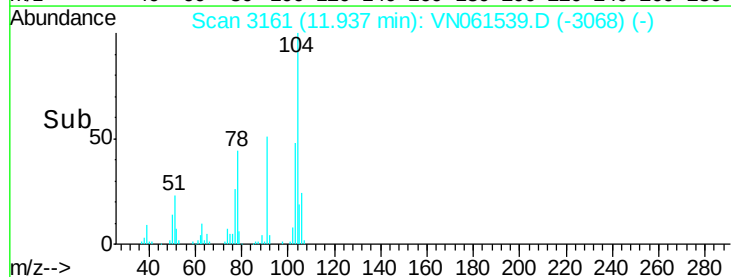
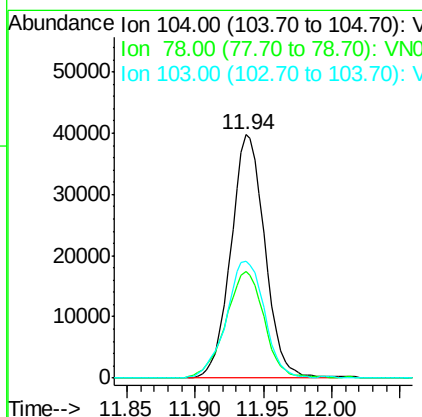
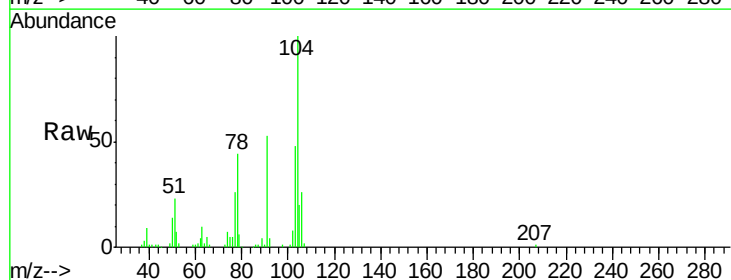
Manual Integrations
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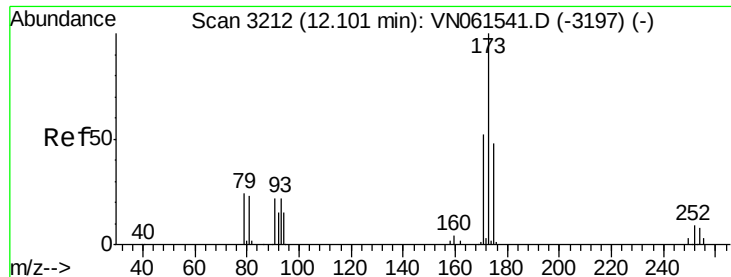
MMDadoda
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#70
Styrene
Concen: 5.067 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VN061539.D
Acq: 28 May 2020 18:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		68825		
78	49.4	37.4	56.0		
103	54.0	42.3	63.5		





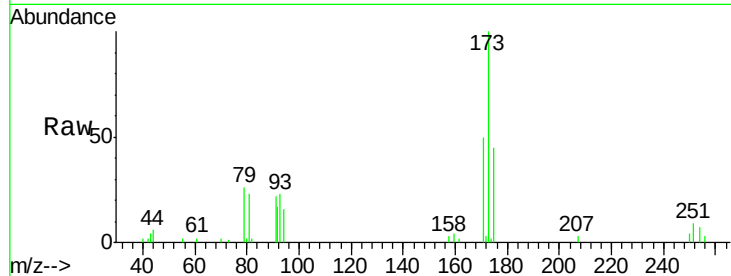
#71
Bromoform
Concen: 5.898 ug/l
RT: 12.10 min Scan# 3213
Delta R.T. 0.00 min
Lab File: VN061539.D
Acq: 28 May 2020 18:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

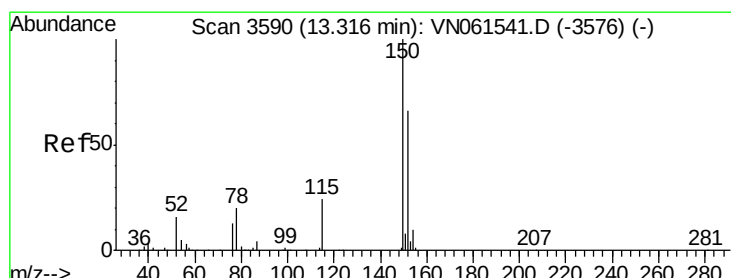
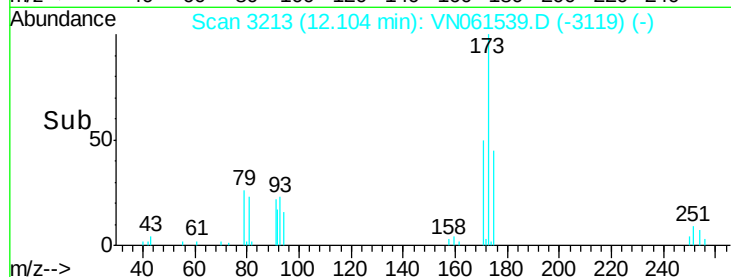
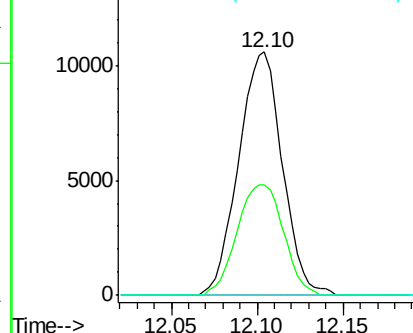
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.4	73.2
254	0.0	0.0	0.0

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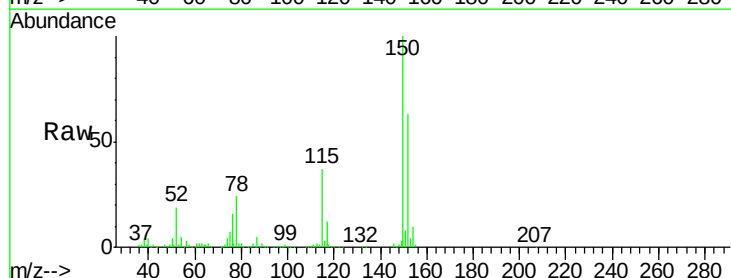


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

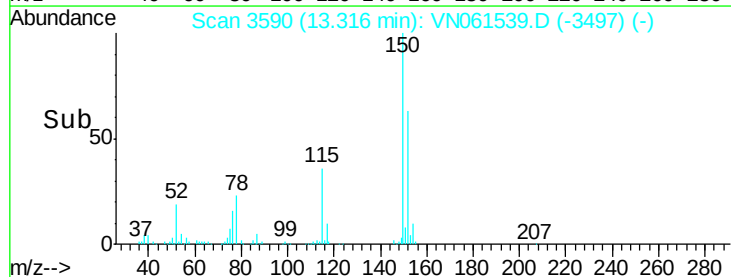
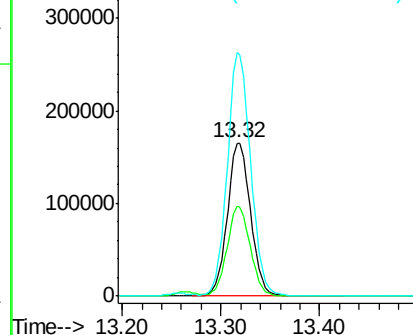


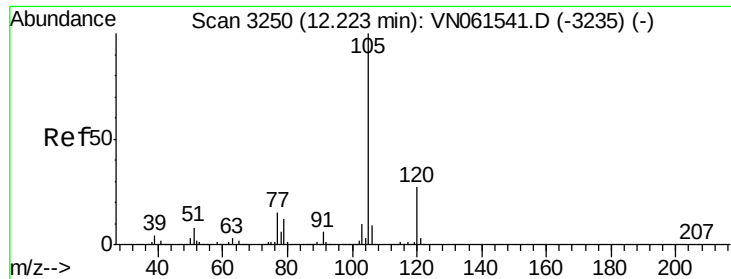
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3590
Delta R.T. 0.00 min
Lab File: VN061539.D
Acq: 28 May 2020 18:09

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.3	28.0	84.0
150	159.5	0.0	344.0



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: 5.402 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. 0.00 min

Lab File: VN061539.D

Acq: 28 May 2020 18:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 115448

Ion Ratio Lower Upper

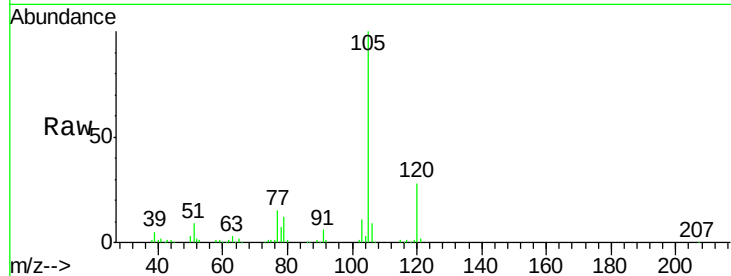
105 100

120 27.6 13.8 41.3

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.22

80000

60000

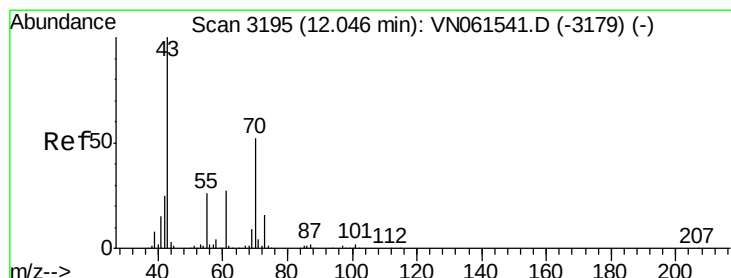
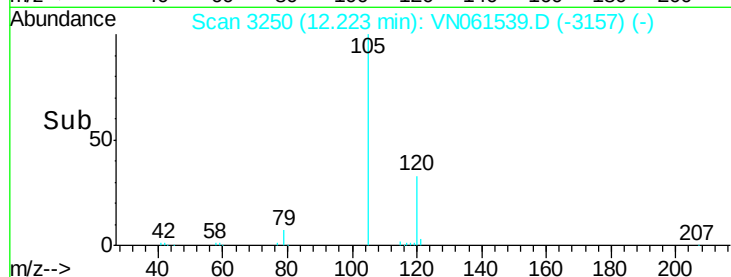
40000

20000

0

12.15 12.20 12.25 12.30

Time-->



#74

N-ethyl acetate

Concen: 4.697 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. 0.00 min

Lab File: VN061539.D

Acq: 28 May 2020 18:09

Tgt Ion: 43 Resp: 36146

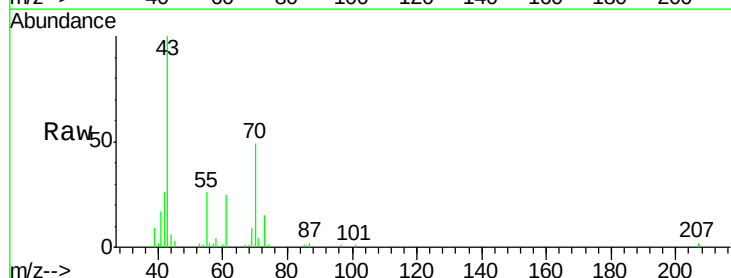
Ion Ratio Lower Upper

43 100

70 50.7 40.5 60.7

55 26.9 20.6 31.0

61 24.4 21.8 32.6



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

30000

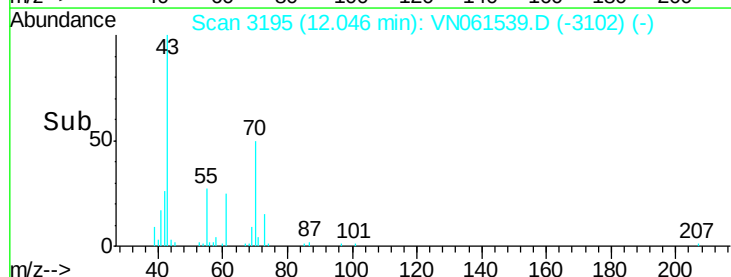
20000

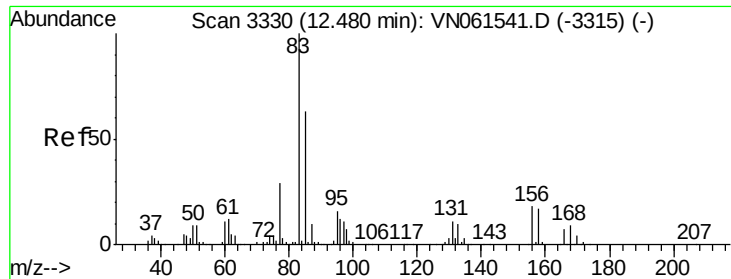
10000

0

12.00 12.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 5.567 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VN061539.D

Acq: 28 May 2020 18:09

Instrument :

MSVOA_N

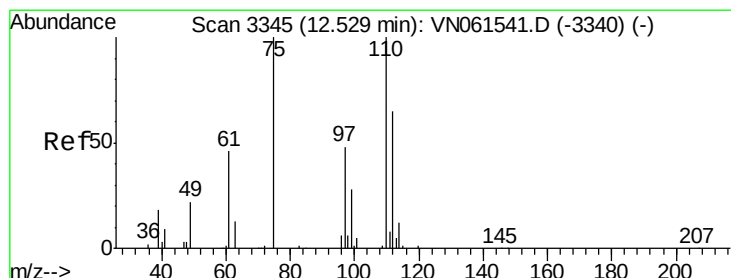
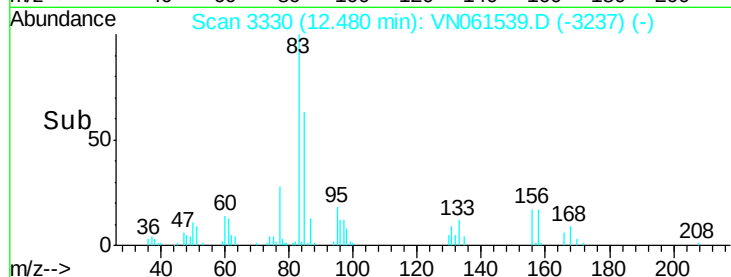
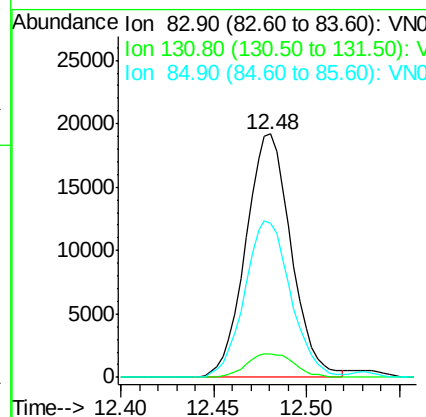
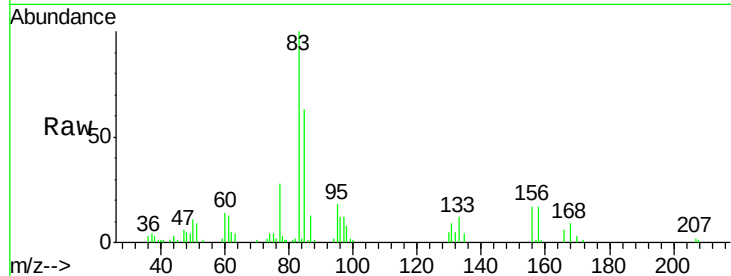
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	32755
Ion Ratio	Lower	Upper	
83	100		
131	10.1	5.5	16.5
85	65.3	32.1	96.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 5.266 ug/l m

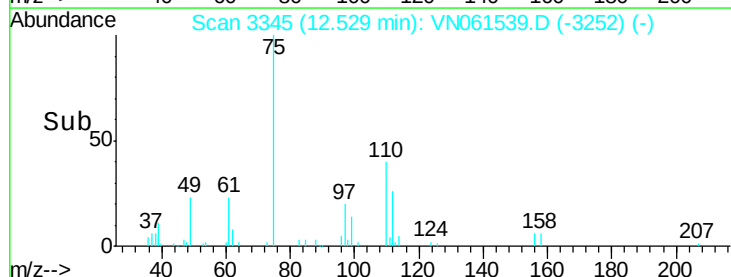
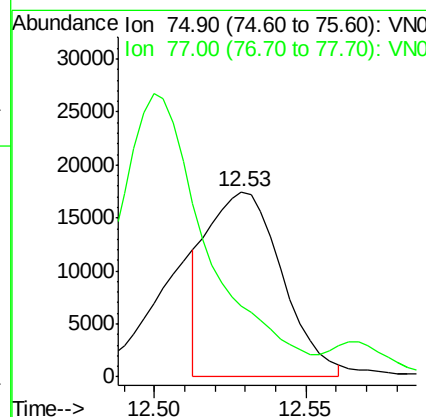
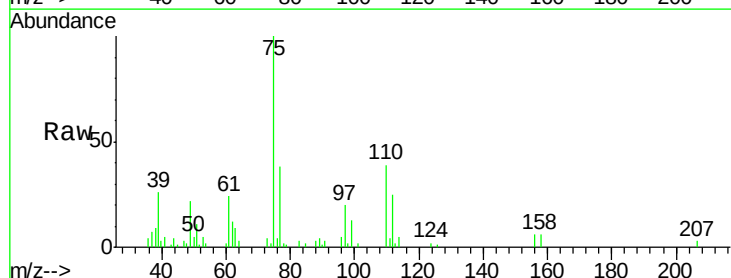
RT: 12.53 min Scan# 3345

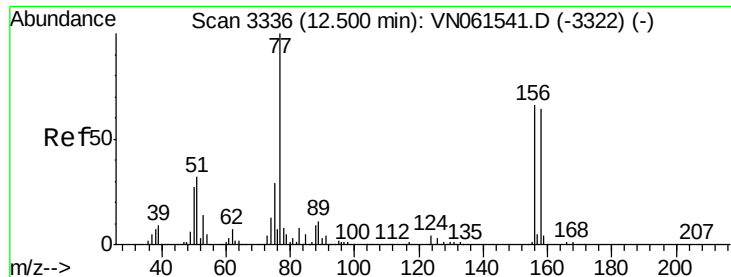
Delta R.T. 0.00 min

Lab File: VN061539.D

Acq: 28 May 2020 18:09

Tgt Ion:	75	Resp:	29811
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 5.830 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN061539.D

Acq: 28 May 2020 18:09

Instrument :

MSVOA_N

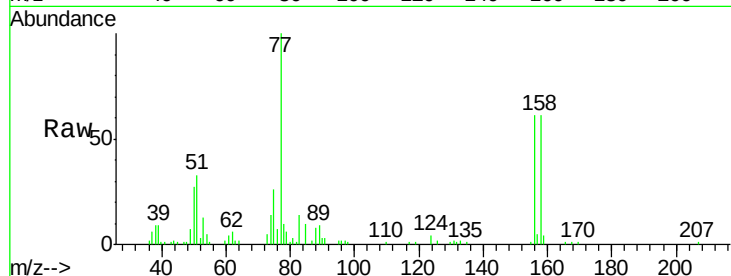
ClientSampleId :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
156	100		
77	198.9	90.9	272.7
158	100.1	48.4	145.3

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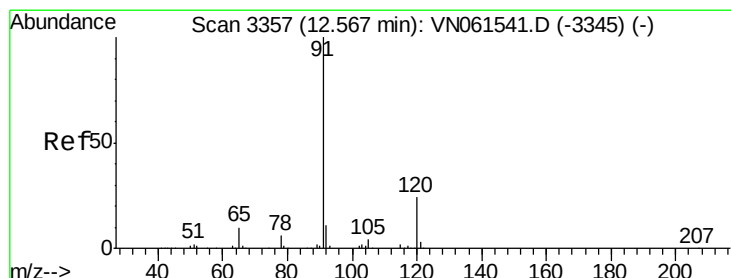
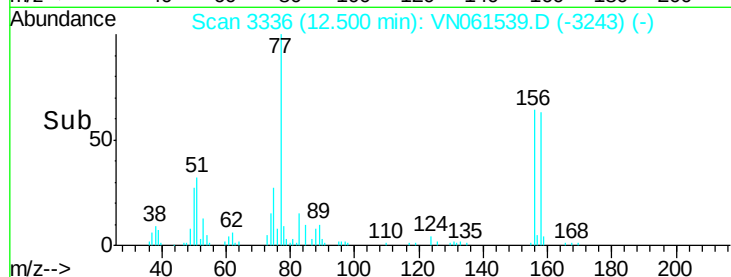
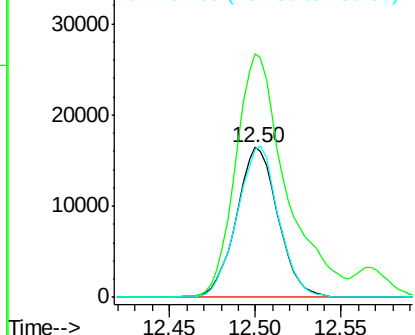
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 5.195 ug/l

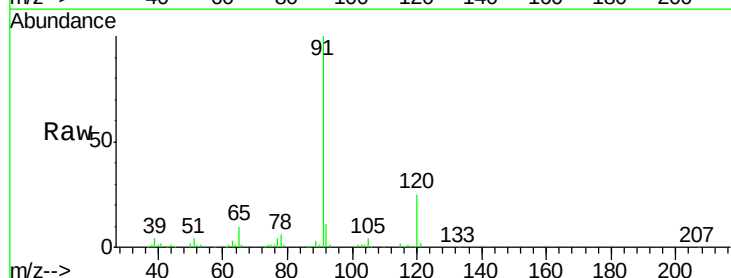
RT: 12.57 min Scan# 3357

Delta R.T. 0.00 min

Lab File: VN061539.D

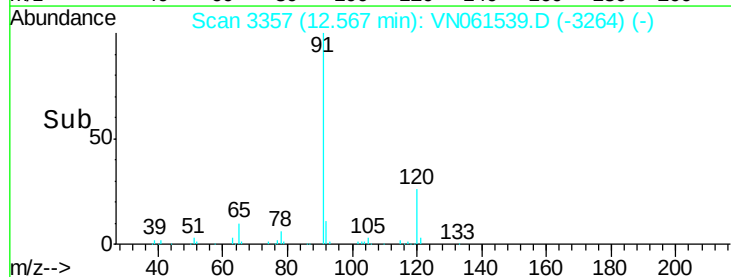
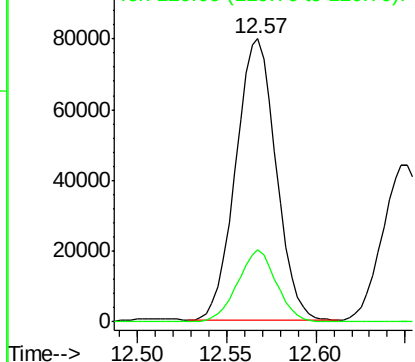
Acq: 28 May 2020 18:09

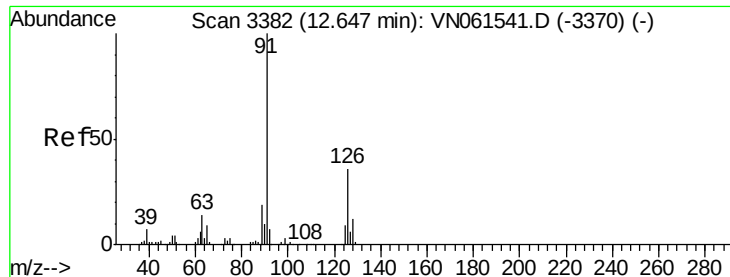
Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.6	12.3	36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 5.218 ug/l

RT: 12.65 min Scan# 3383

Delta R.T. 0.00 min

Lab File: VN061539.D

Acq: 28 May 2020 18:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 74928

Ion Ratio Lower Upper

91 100

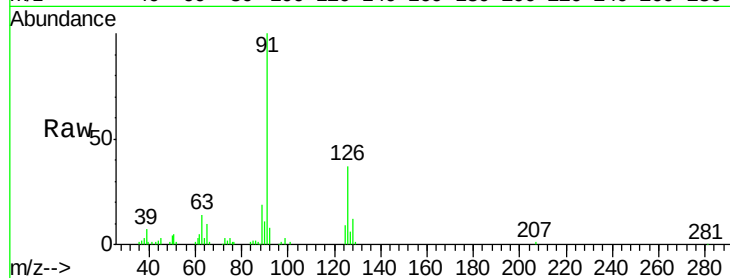
126 36.6 17.9 53.7

Manual Integrations

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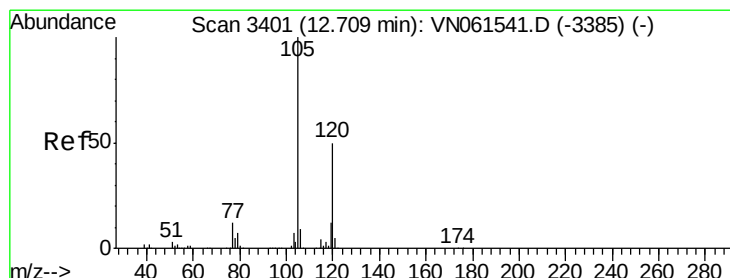
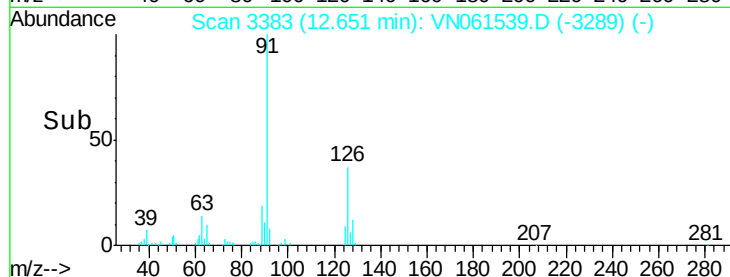


Abundance Ion 91.00 (90.70 to 91.70): VN061541.D (-3370) (-)

Ion 125.90 (125.60 to 126.60): VN061541.D (-3370) (-)

12.65

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 5.409 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN061539.D

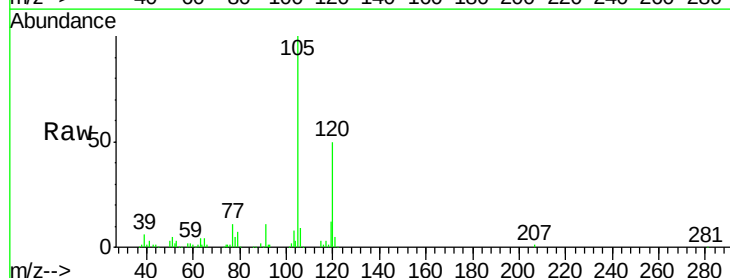
Acq: 28 May 2020 18:09

Tgt Ion: 105 Resp: 94720

Ion Ratio Lower Upper

105 100

120 49.9 25.1 75.2

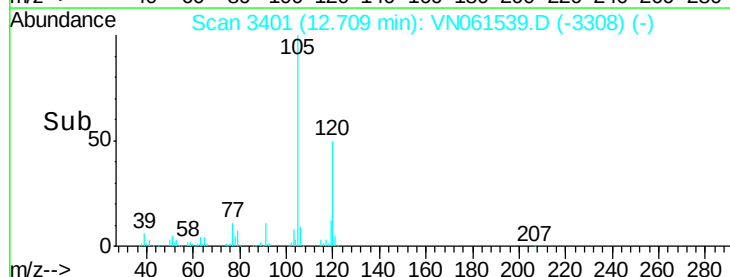


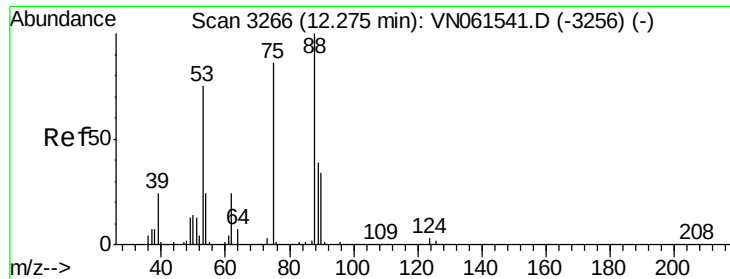
Abundance Ion 105.00 (104.70 to 105.70): VN061541.D (-3385) (-)

Ion 120.00 (119.70 to 120.70): VN061541.D (-3385) (-)

12.71

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 4.886 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. 0.00 min

Lab File: VN061539.D

Acq: 28 May 2020 18:09

Instrument :

MSVOA_N

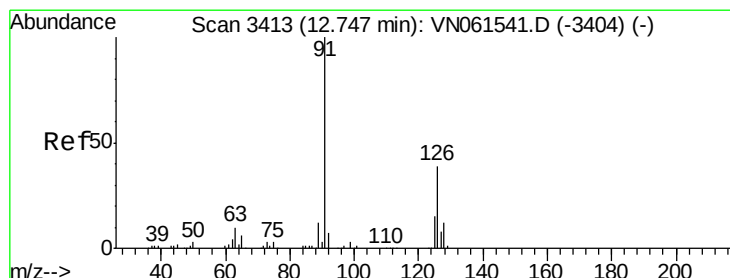
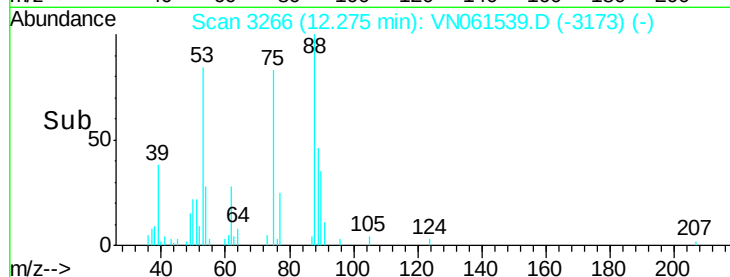
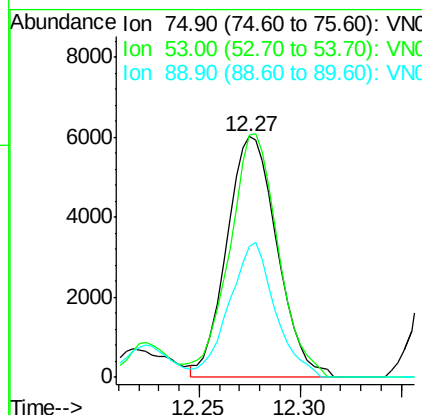
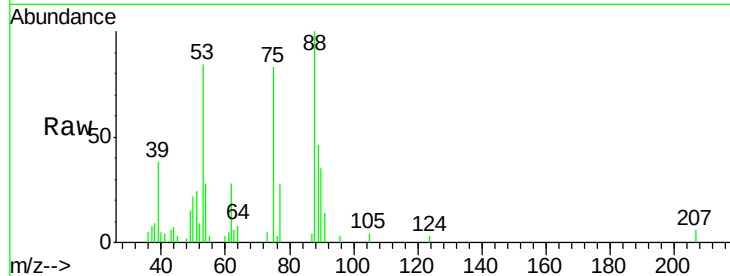
ClientSampleId :

VSTDIC005

Tot Ion:	75	Resp:	10511
Ion	Ratio	Lower	Upper
75	100		
53	98.0	67.8	101.8
89	51.0	37.1	55.7

Manual Integrations
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#82

4-Chlorotoluene

Concen: 5.245 ug/l

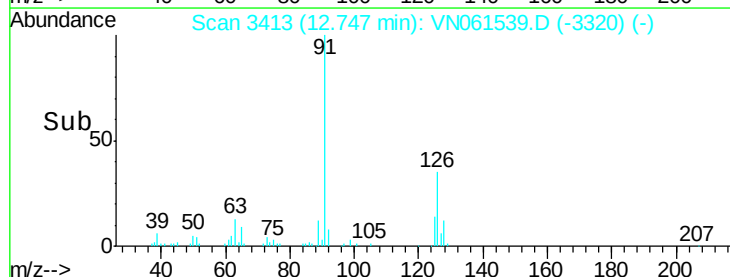
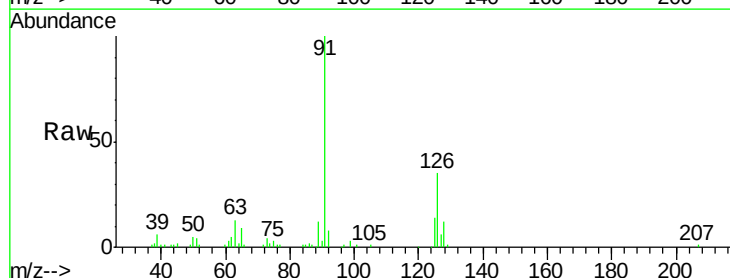
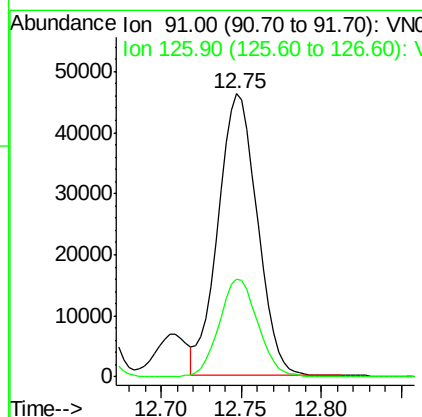
RT: 12.75 min Scan# 3413

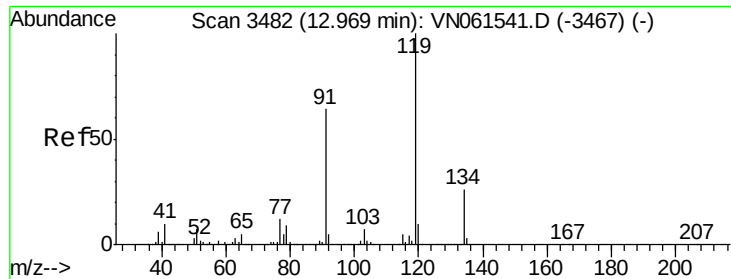
Delta R.T. 0.00 min

Lab File: VN061539.D

Acq: 28 May 2020 18:09

Tgt Ion:	91	Resp:	77961
Ion	Ratio	Lower	Upper
91	100		
126	34.1	17.5	52.6





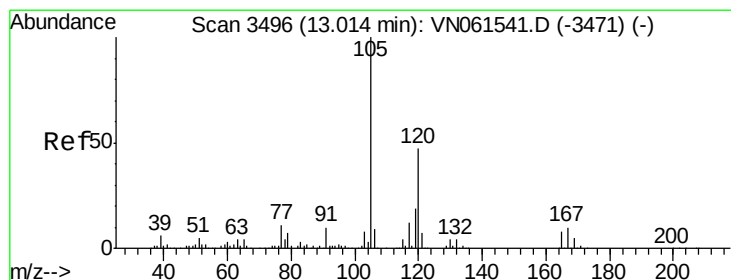
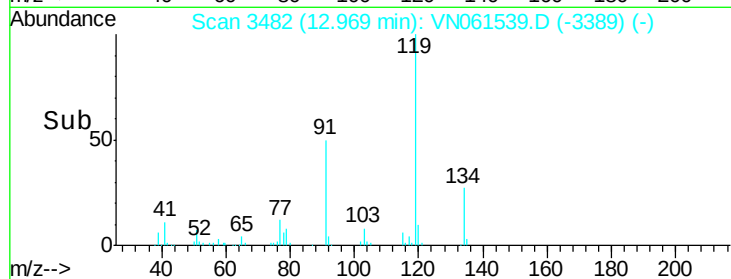
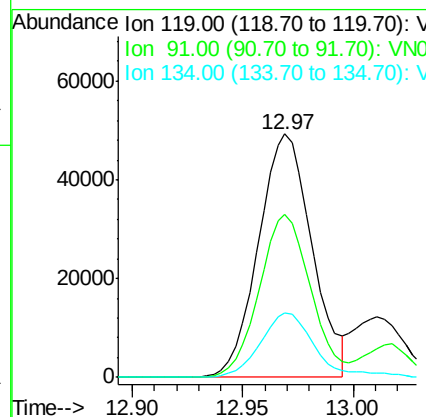
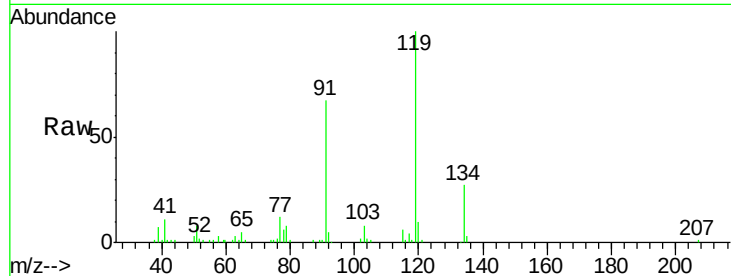
#83
 tert-Butylbenzene
 Concen: 5.515 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. 0.00 min
 Lab File: VN061539.D
 Acq: 28 May 2020 18:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.4	31.3	93.8
134	27.0	13.5	40.4

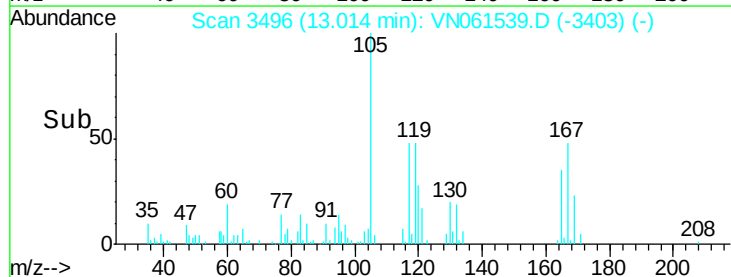
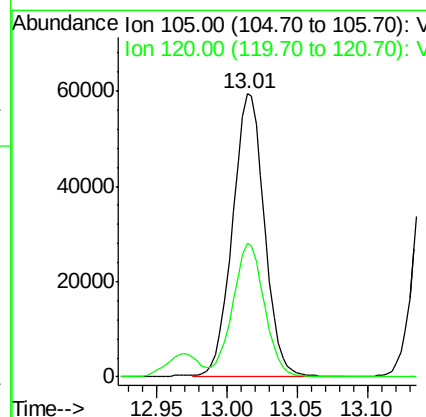
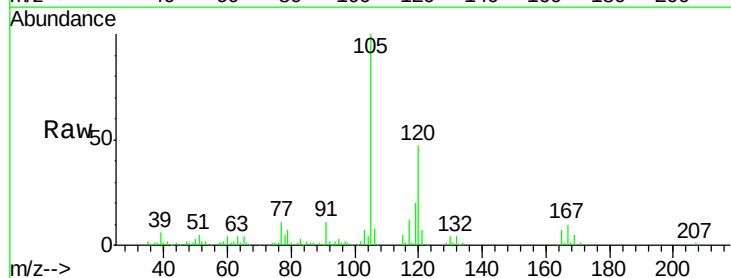
Manual Integrations
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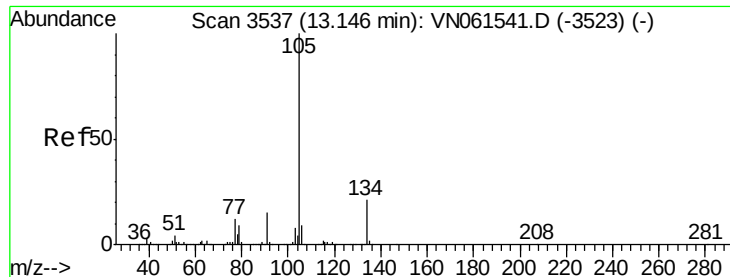
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#84
 1,2,4-Trimethylbenzene
 Concen: 5.376 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. 0.00 min
 Lab File: VN061539.D
 Acq: 28 May 2020 18:09

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.2	23.2	69.5





#85

sec-Butylbenzene

Concen: 5.378 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. 0.00 min

Lab File: VN061539.D

Acq: 28 May 2020 18:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 108669

Ion Ratio Lower Upper

105 100

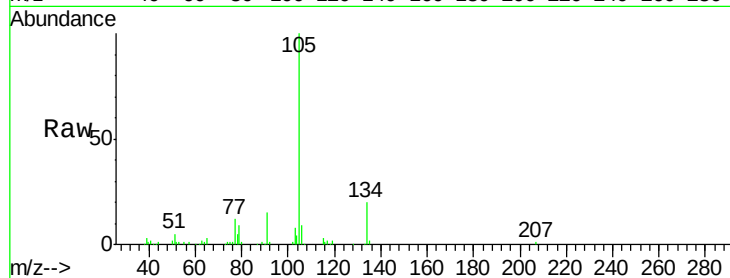
134 20.1 10.7 31.9

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

13.15

60000

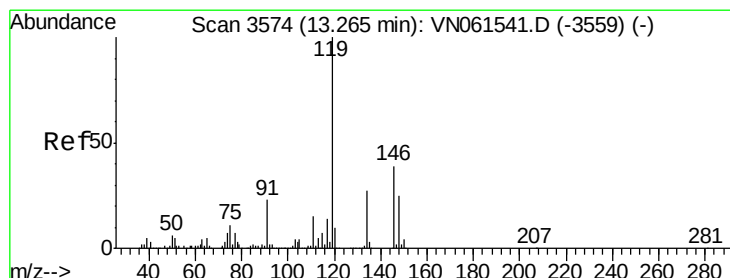
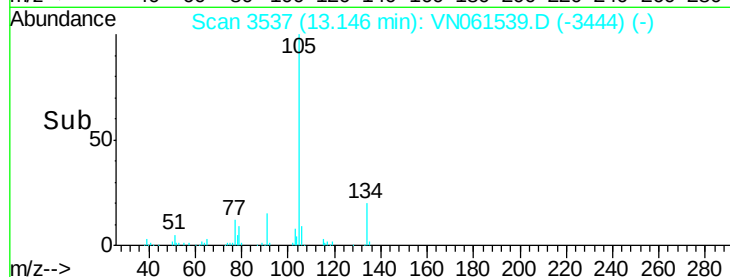
40000

20000

0

Time-->

13.10 13.20



#86

p-Isopropyltoluene

Concen: 5.478 ug/l

RT: 13.27 min Scan# 3574

Delta R.T. 0.00 min

Lab File: VN061539.D

Acq: 28 May 2020 18:09

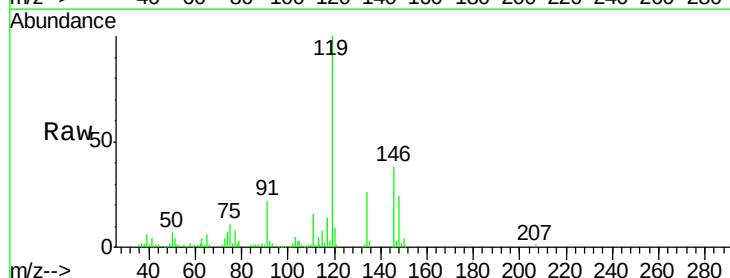
Tgt Ion:119 Resp: 98885

Ion Ratio Lower Upper

119 100

134 26.4 13.5 40.5

91 23.2 11.4 34.1



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

13.27

80000

60000

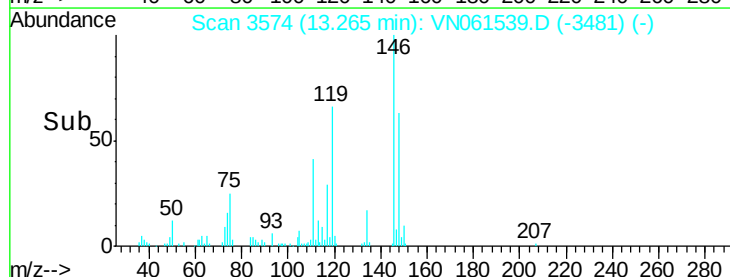
40000

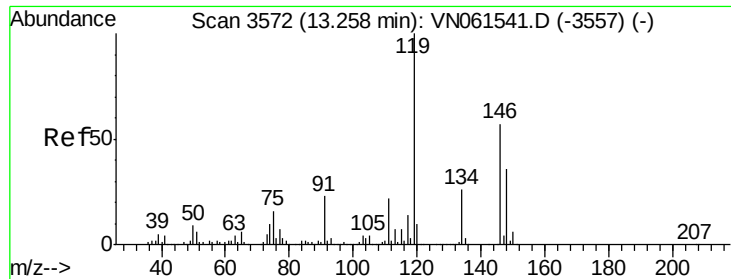
20000

0

Time-->

13.20 13.25 13.30 13.35





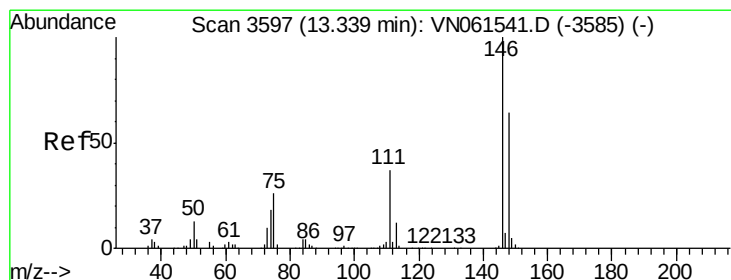
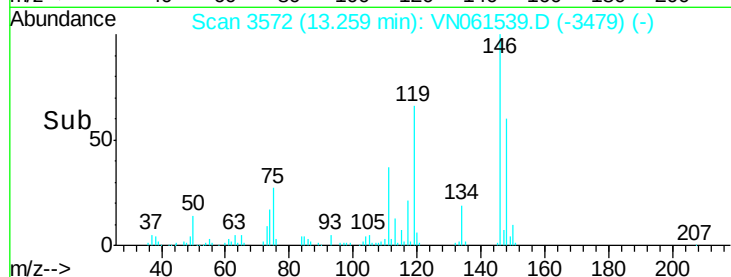
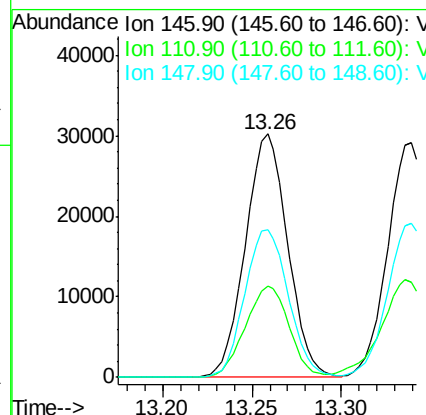
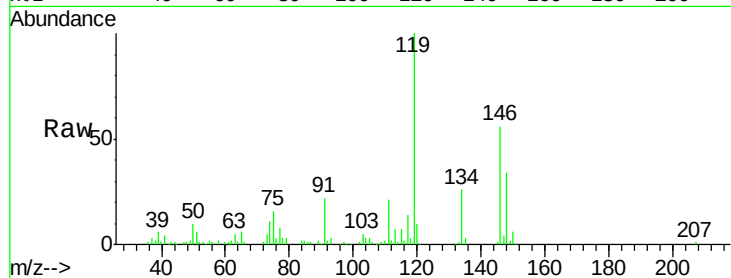
#87
 1,3-Dichlorobenzene
 Concen: 5.797 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN061539.D
 Acq: 28 May 2020 18:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.2	57.6
148	62.4	31.7	95.1

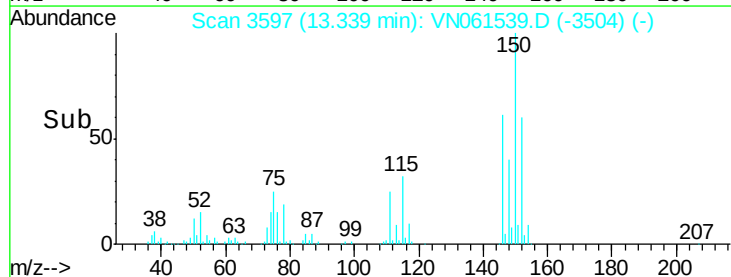
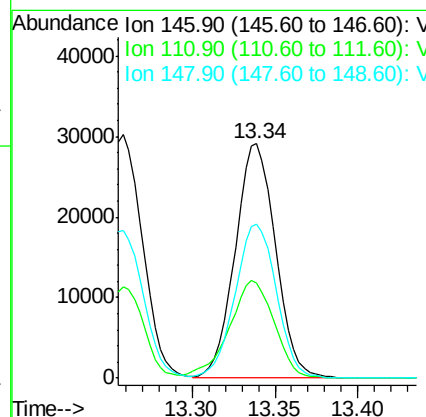
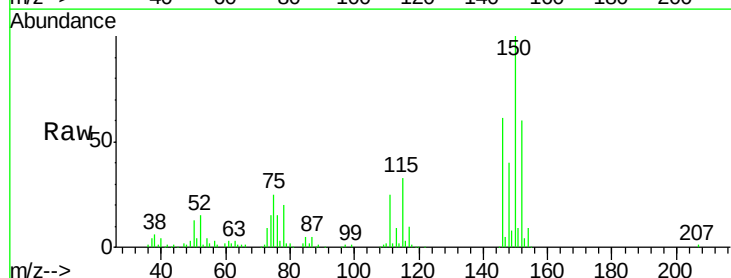
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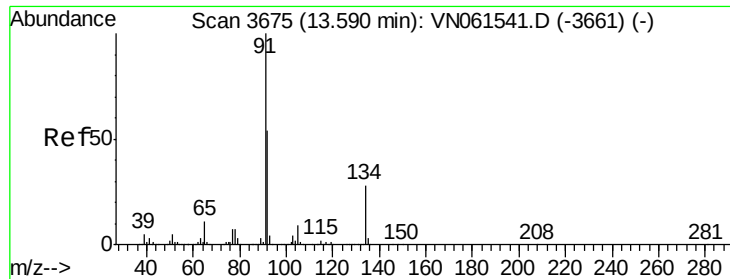
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#88
 1,4-Dichlorobenzene
 Concen: 5.716 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN061539.D
 Acq: 28 May 2020 18:09

Tgt Ion	Ratio	Lower	Upper
146	100		
111	46.3	18.9	56.9
148	67.4	31.8	95.3





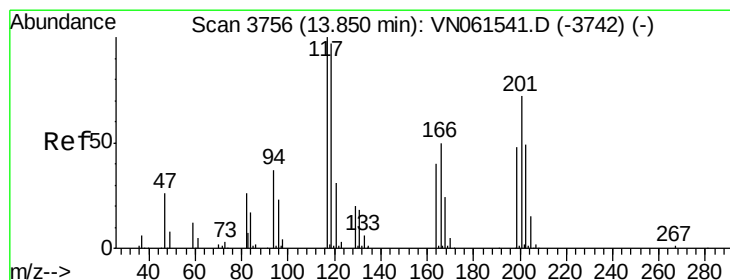
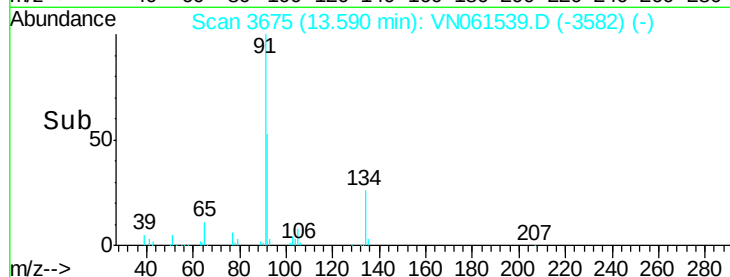
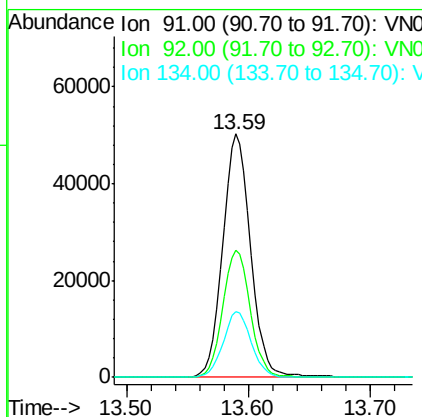
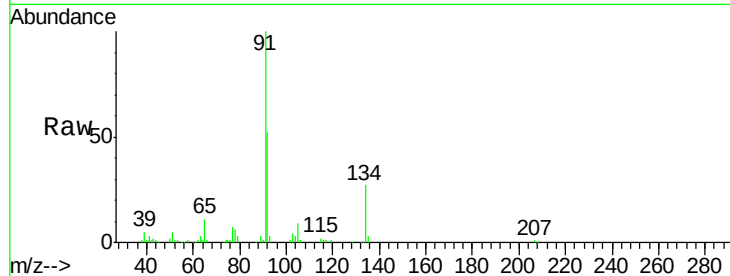
#89
n-Butylbenzene
Concen: 4.991 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. 0.00 min
Lab File: VN061539.D
Acq: 28 May 2020 18:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.6	27.2	81.6
134	27.0	14.0	42.0

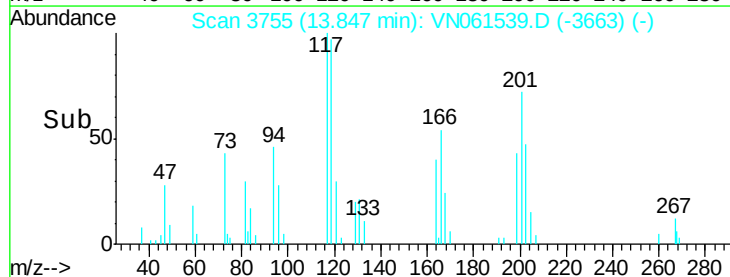
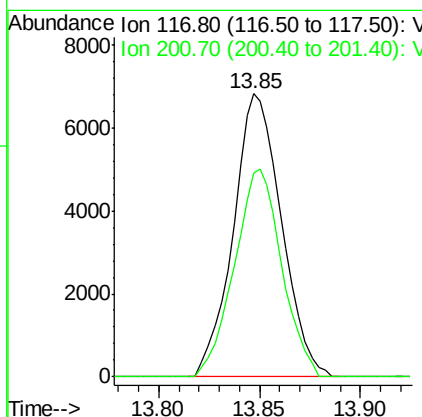
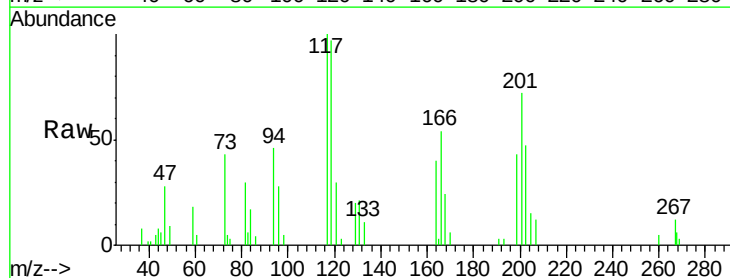
Manual Integrations
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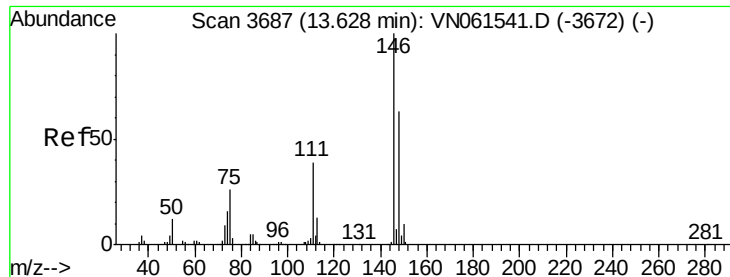
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#90
Hexachloroethane
Concen: 4.838 ug/l
RT: 13.85 min Scan# 3755
Delta R.T. -0.00 min
Lab File: VN061539.D
Acq: 28 May 2020 18:09

Tgt Ion	Ratio	Lower	Upper
117	100		
201	72.0	36.7	110.1





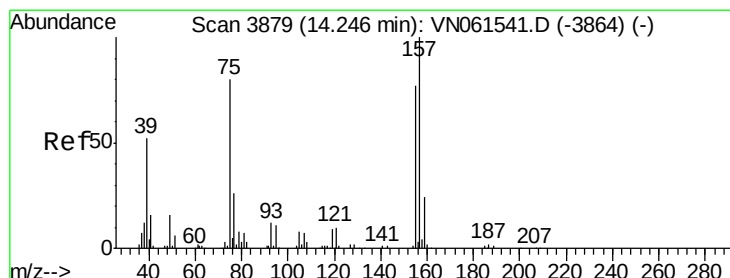
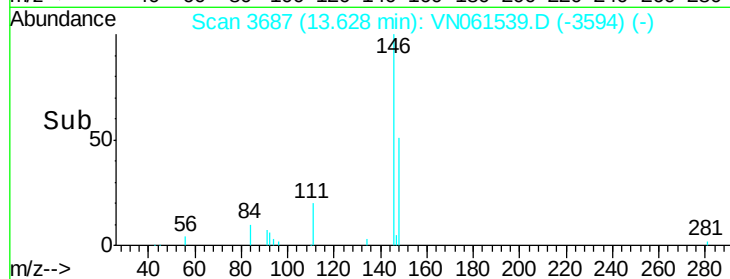
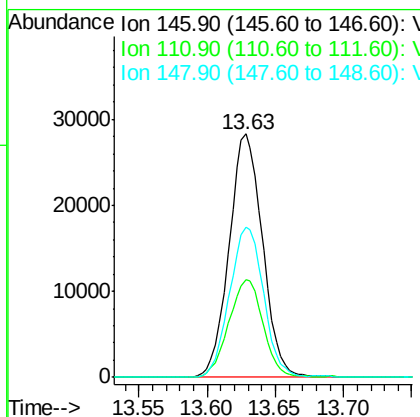
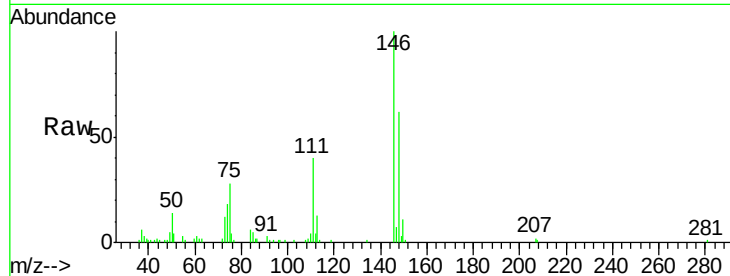
#91
 1,2-Dichlorobenzene
 Concen: 5.817 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. 0.00 min
 Lab File: VN061539.D
 Acq: 28 May 2020 18:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.1	60.2
148	62.6	31.9	95.5

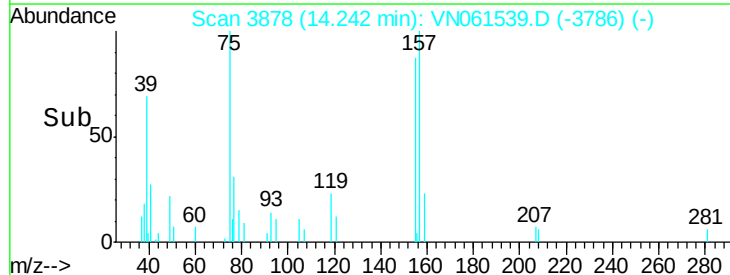
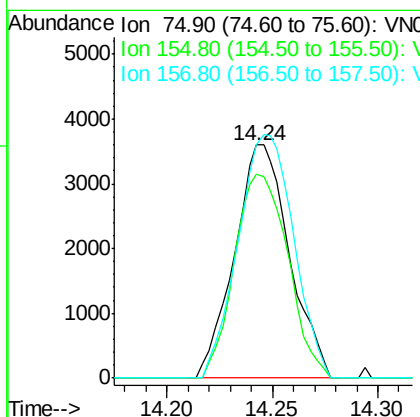
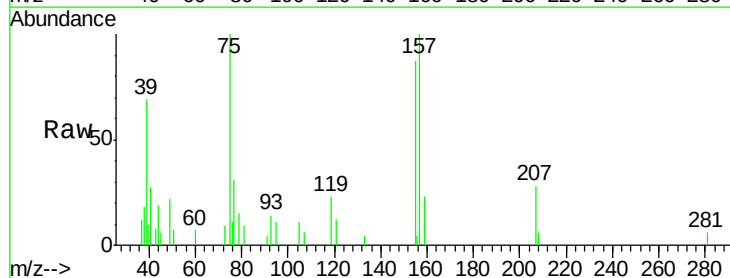
Manual Integrations
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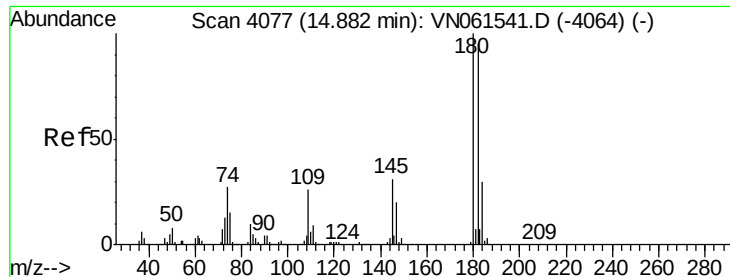
MMDadoda
 5/29/2020 5:46:45 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.481 ug/l
 RT: 14.24 min Scan# 3878
 Delta R.T. -0.00 min
 Lab File: VN061539.D
 Acq: 28 May 2020 18:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.2	47.1	141.4
157	105.6	60.3	180.8





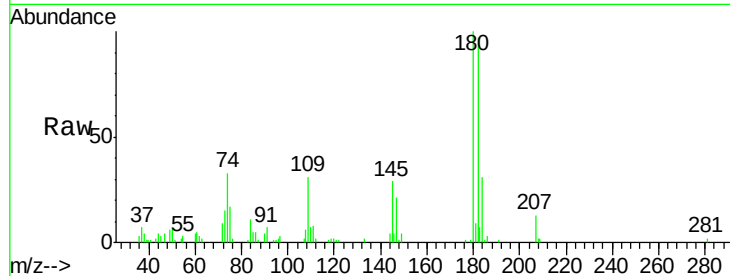
#93
 1,2,4-Trichlorobenzene
 Concen: 5.347 ug/l
 RT: 14.89 min Scan# 4078
 Delta R.T. 0.00 min
 Lab File: VN061539.D
 Acq: 28 May 2020 18:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

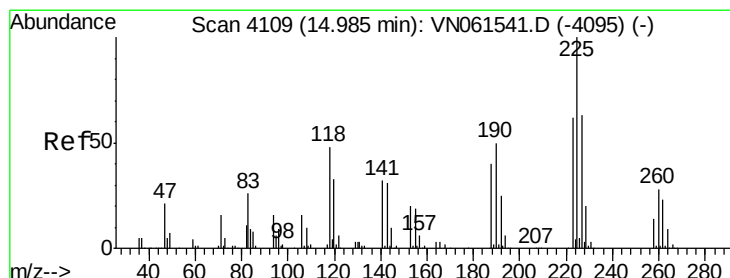
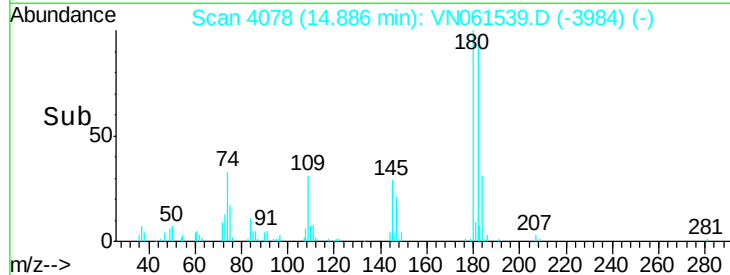
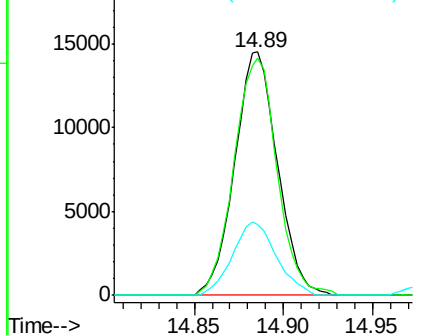
Tot Ion	Ratio	Resp	Lower	Upper
180	100	24281		
182	98.4	47.8	143.3	
145	31.0	15.5	46.5	

Manual Integrations
 APPROVED

MMDadoda
 5/29/2020 5:46:45 PM

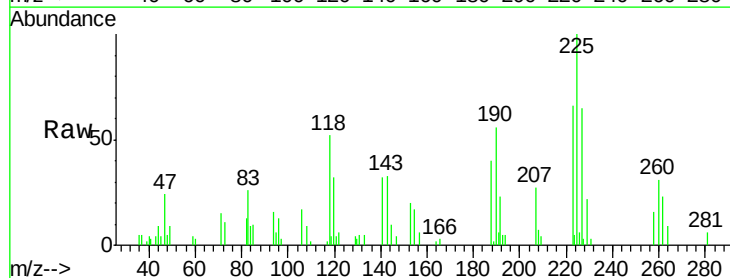


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

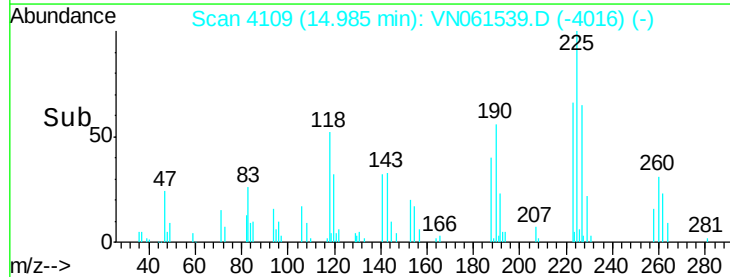
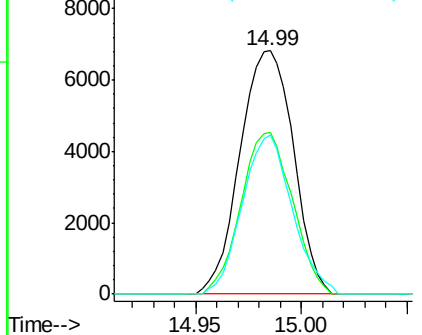


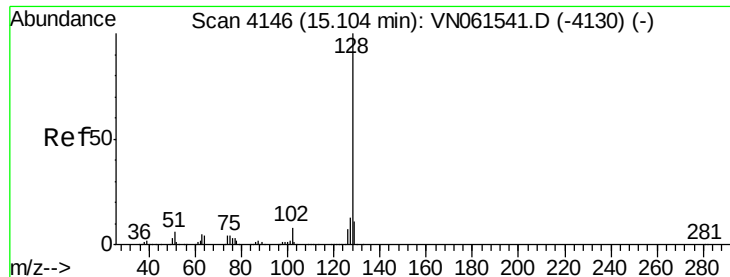
#94
 Hexachlorobutadiene
 Concen: 6.006 ug/l
 RT: 14.99 min Scan# 4109
 Delta R.T. 0.00 min
 Lab File: VN061539.D
 Acq: 28 May 2020 18:09

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	12000		
223	64.0	31.9	95.5	
227	61.0	31.9	95.9	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 5.229 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. 0.00 min

Lab File: VN061539.D

Acq: 28 May 2020 18:09

Instrument :

MSVOA_N

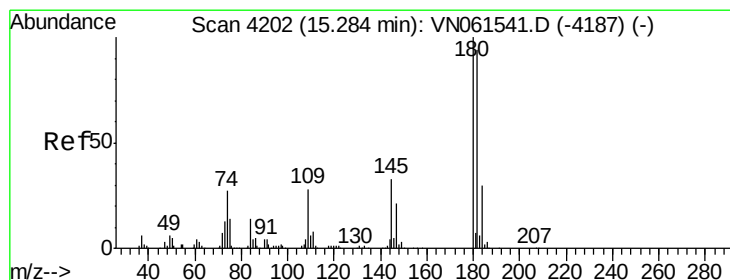
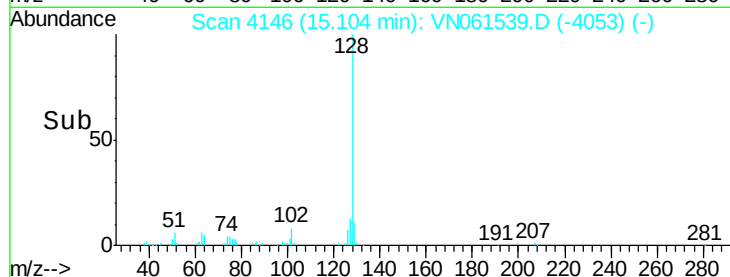
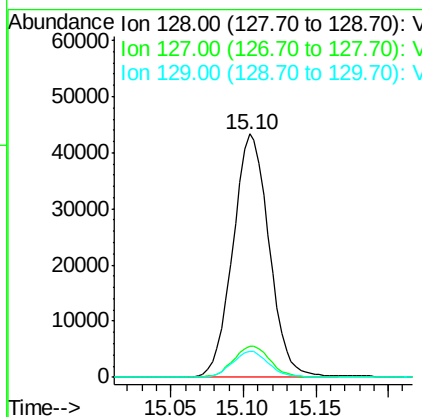
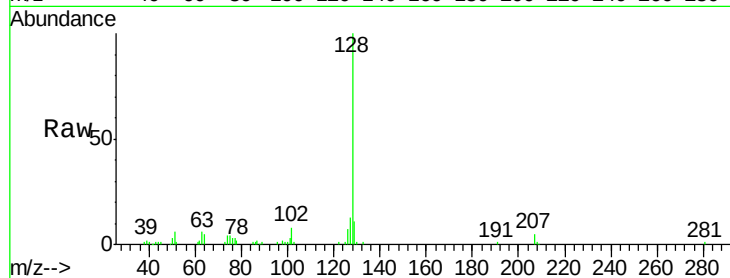
ClientSampled :

VSTDIC005

Tot Ion:	128	Resp:	75240
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.0	15.0
129	10.7	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
5/29/2020 5:46:45 PM



#96

1,2,3-Trichlorobenzene

Concen: 5.330 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. 0.00 min

Lab File: VN061539.D

Acq: 28 May 2020 18:09

Tgt Ion:	180	Resp:	24173
Ion Ratio	Lower	Upper	
180	100		
182	98.2	47.1	141.3
145	34.5	16.3	48.9

