

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060520\
 Data File : VN061675.D
 Acq On : 5 Jun 2020 17:27
 Operator : JC/MD
 Sample : L2904-03MSD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VE-4-11MSD

Manual Integrations
 APPROVED

MMDadoda
 6/8/2020 11:49:11 AM

Quant Time: Jun 06 04:04:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 29 02:14:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	343802	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	562458	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	536224	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	275811	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	186367	45.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.00%	
35) Dibromofluoromethane	7.55	113	150129	52.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.24%	
50) Toluene-d8	10.06	98	638172	48.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.52%	
62) 4-Bromofluorobenzene	12.38	95	236997	49.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	175993	44.466	ug/l	97
3) Chloromethane	2.03	50	176306	42.045	ug/l	99
4) Vinyl Chloride	2.16	62	241964	42.108	ug/l	98
5) Bromomethane	2.52	94	151402	45.917	ug/l	98
6) Chloroethane	2.67	64	157137	42.484	ug/l	99
7) Trichlorofluoromethane	2.98	101	295542	39.884	ug/l	98
8) Diethyl Ether	3.37	74	100404	44.312	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.72	101	148590	45.188	ug/l	97
10) Methyl Iodide	3.91	142	203466	44.574	ug/l	98
11) Tert butyl alcohol	4.73	59	144988	266.111	ug/l	100
12) 1,1-Dichloroethene	3.69	96	151964	43.257	ug/l	95
13) Acrolein	3.57	56	44327	285.160	ug/l	93
14) Allyl chloride	4.27	41	191247	41.641	ug/l	96
15) Acrylonitrile	4.93	53	356342	234.318	ug/l	99
16) Acetone	3.77	43	270563	239.406	ug/l	95
17) Carbon Disulfide	4.01	76	303599	39.280	ug/l	99
18) Methyl Acetate	4.28	43	166424	44.881	ug/l	97
19) Methyl tert-butyl Ether	4.99	73	531128	44.361	ug/l	100
20) Methylene Chloride	4.50	84	176429	47.293	ug/l	94
21) trans-1,2-Dichloroethene	4.99	96	173063	43.683	ug/l	91
22) Diisopropyl ether	5.90	45	442019	43.666	ug/l	99
23) Vinyl Acetate	5.84	43	1688399	209.271	ug/l	98
24) 1,1-Dichloroethane	5.80	63	281942	43.923	ug/l	98
25) 2-Butanone	6.79	43	441269	227.306	ug/l	97
26) 2,2-Dichloropropane	6.78	77	235333	40.056	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	207901	46.343	ug/l	96
28) Bromochloromethane	7.15	49	115202	47.744	ug/l	94
29) Tetrahydrofuran	7.17	42	292247	228.296	ug/l	96
30) Chloroform	7.33	83	320795	45.173	ug/l	98
31) Cyclohexane	7.61	56	233127	40.383	ug/l	94
32) 1,1,1-Trichloroethane	7.53	97	289373	44.720	ug/l #	49
36) 1,1-Dichloropropene	7.75	75	224848	45.157	ug/l	98
37) Ethyl Acetate	6.88	43	183890	45.853	ug/l	98
38) Carbon Tetrachloride	7.73	117	243241	50.645	ug/l	99

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	255239	41.589	ug/l	96
40) Benzene	8.00	78	707542	46.054	ug/l	99
41) Methacrylonitrile	7.13	41	89797m	48.871	ug/l	
42) 1,2-Dichloroethane	8.08	62	231917	45.090	ug/l	99
43) Isopropyl Acetate	8.12	43	318596	44.156	ug/l	97
44) Trichloroethene	8.80	130	215366	45.614	ug/l	95
45) 1,2-Dichloropropane	9.08	63	170591	46.762	ug/l	98
46) Dibromomethane	9.17	93	128555	45.948	ug/l	96
47) Bromodichloromethane	9.37	83	256361	46.248	ug/l	99
48) Methyl methacrylate	9.17	41	139815	43.070	ug/l	97
49) 1,4-Dioxane	9.17	88	59129	1175.767	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	978186	240.580	ug/l	98
52) Toluene	10.12	92	478172	47.687	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	271930	45.538	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	288413	44.919	ug/l	97
55) 1,1,2-Trichloroethane	10.53	97	189592	47.458	ug/l	98
56) Ethyl methacrylate	10.40	69	271016	48.564	ug/l	96
57) 1,3-Dichloropropane	10.68	76	302506	47.345	ug/l	100
59) 2-Hexanone	10.72	43	721041	246.927	ug/l	98
60) Dibromochloromethane	10.87	129	224800	49.497	ug/l	99
61) 1,2-Dibromoethane	10.98	107	203398	48.817	ug/l	100
64) Tetrachloroethene	10.60	164	219971	43.580	ug/l	97
65) Chlorobenzene	11.41	112	529438	47.500	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	202853	48.877	ug/l	99
67) Ethyl Benzene	11.48	91	904917	46.972	ug/l	98
68) m/p-Xylenes	11.60	106	722313	94.561	ug/l	99
69) o-Xylene	11.92	106	346019	47.693	ug/l	99
70) Styrene	11.94	104	586793	48.839	ug/l	99
71) Bromoform	12.10	173	165038	51.606	ug/l #	99
73) Isopropylbenzene	12.22	105	912473	45.328	ug/l	100
74) N-amyl acetate	12.04	43	293941	46.366	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	259349	45.974	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	238248m	47.504	ug/l	
77) Bromobenzene	12.50	156	248638	48.387	ug/l	94
78) n-propylbenzene	12.57	91	1009047	44.900	ug/l	100
79) 2-Chlorotoluene	12.65	91	595706	44.454	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	755276	44.889	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	85031	43.357	ug/l	99
82) 4-Chlorotoluene	12.75	91	633420	44.932	ug/l	100
83) tert-Butylbenzene	12.97	119	653515	43.960	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	756697	45.270	ug/l	98
85) sec-Butylbenzene	13.15	105	827086	43.176	ug/l	100
86) p-Isopropyltoluene	13.26	119	778644	44.138	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	432681	47.551	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	436674	47.108	ug/l	99
89) n-Butylbenzene	13.59	91	622276	42.114	ug/l	99
90) Hexachloroethane	13.85	117	116435	59.681	ug/l	91
91) 1,2-Dichlorobenzene	13.63	146	413187	47.516	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	49005	42.595	ug/l	90
93) 1,2,4-Trichlorobenzene	14.89	180	243947	47.968	ug/l	98

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Quant Title : SW846 8260
QLast Update : Fri May 29 02:14:10 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	14.99	225	90345	41.654	ug/l	98
95) Naphthalene	15.10	128	759654	49.075	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	233973	46.793	ug/l	98

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

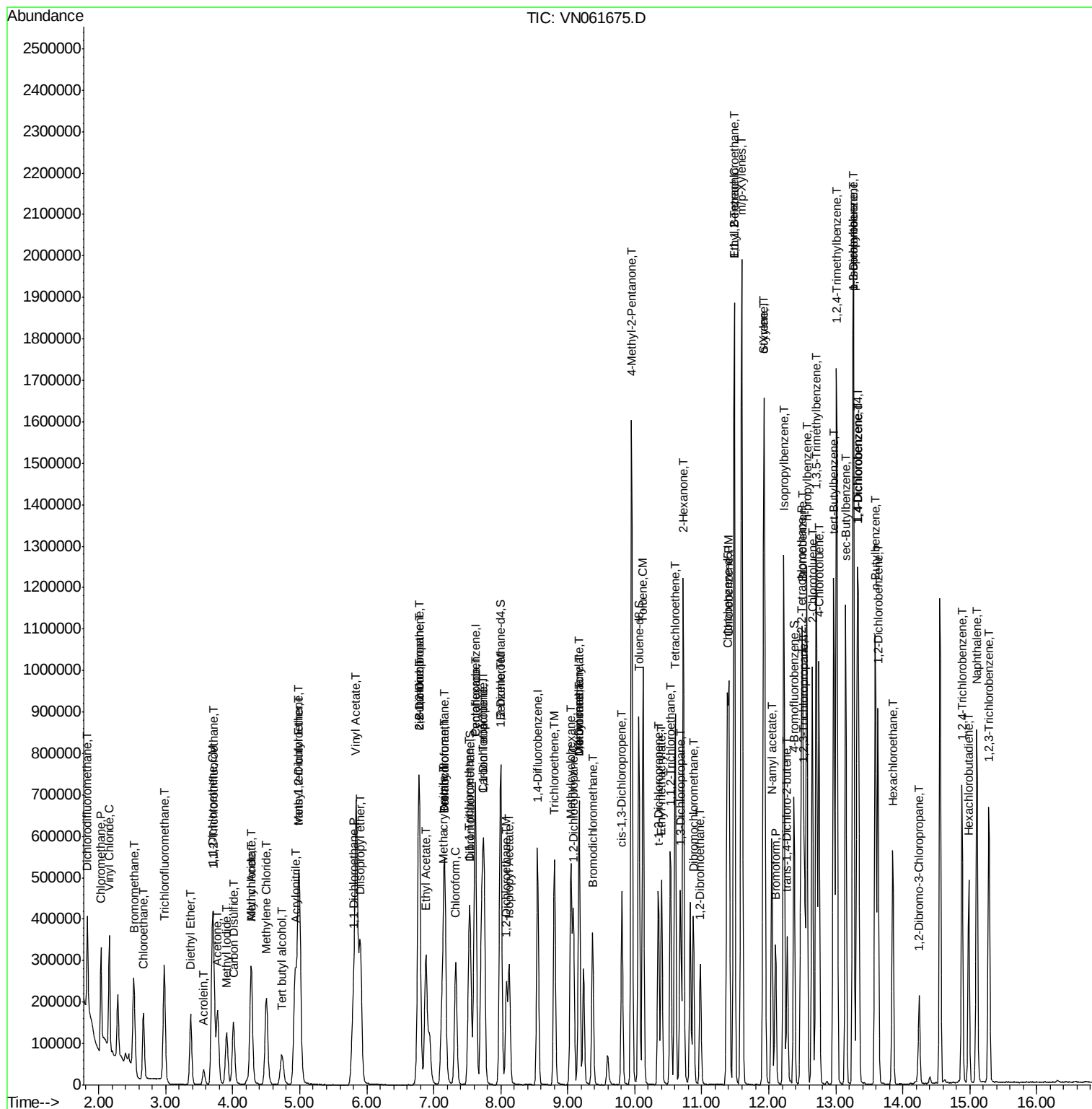
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060520\
Data File : VN061675.D
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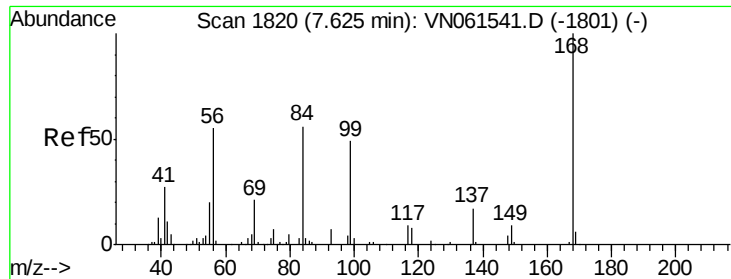
Instrument :
MSVOA_N
ClientSampleId :
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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN061675.D

Acq: 5 Jun 2020 17:27

Instrument :

MSVOA_N

ClientSampleId :

VE-4-11MSD

Tot Ion:168 Resp: 343802

Ion Ratio Lower Upper

168 100

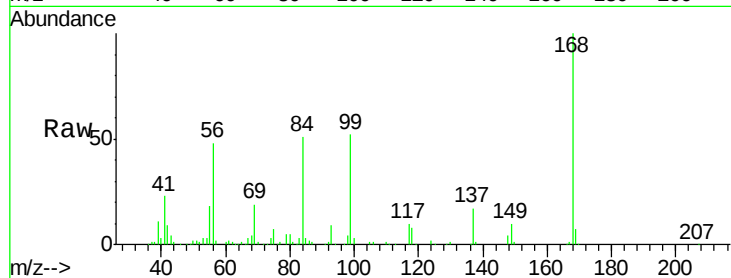
99 51.9 45.0 67.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

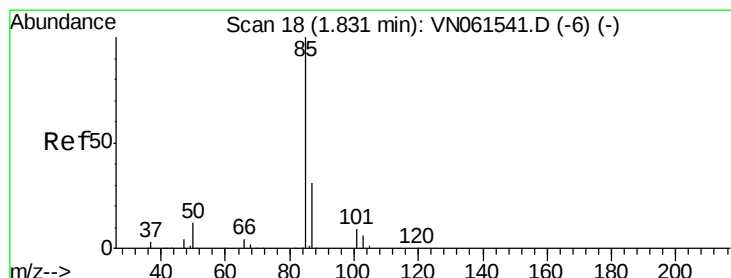
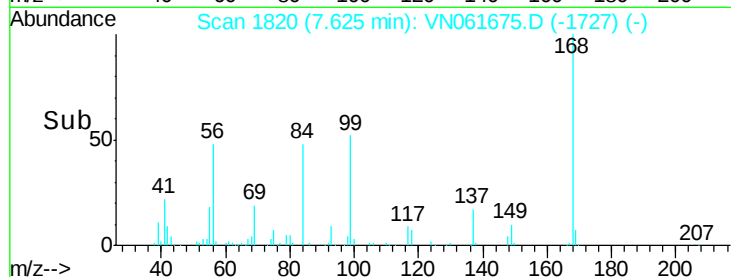
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 44.466 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061675.D

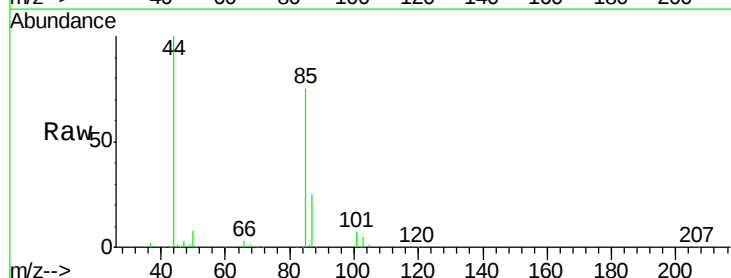
Acq: 5 Jun 2020 17:27

Tgt Ion: 85 Resp: 175993

Ion Ratio Lower Upper

85 100

87 32.6 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

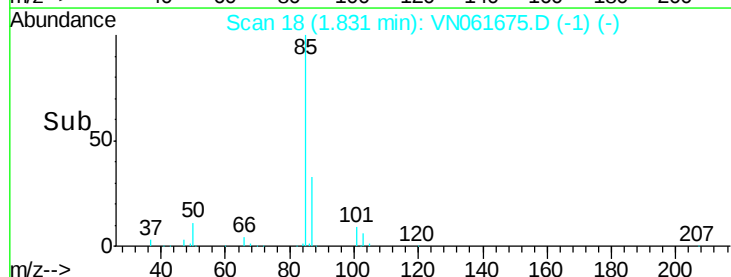
150000

100000

50000

0

Time-->





#3

Chloromethane

Concen: 42.045 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN061675.D

Acq: 5 Jun 2020 17:27

Instrument :

MSVOA_N

ClientSampleId :

VE-4-11MSD

Tot Ion: 50 Resp: 176306

Ion Ratio Lower Upper

50 100

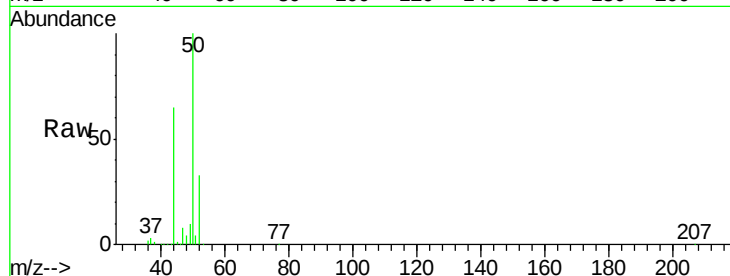
52 32.6 26.7 40.1

Manual Integrations

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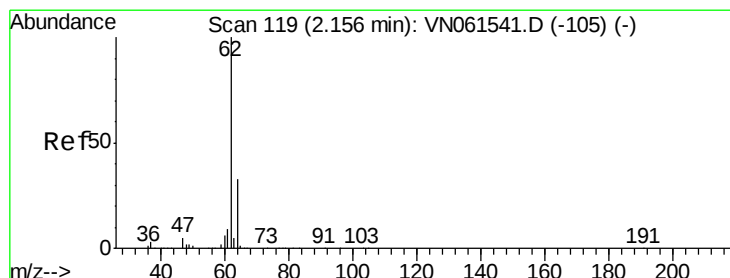
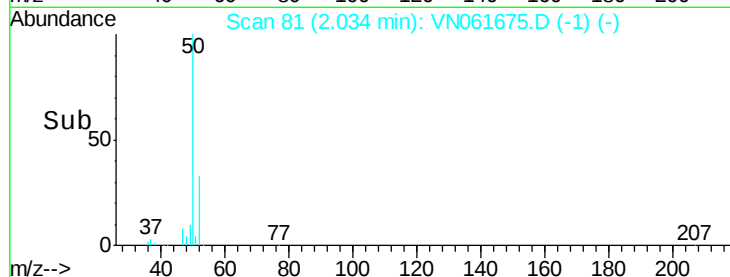
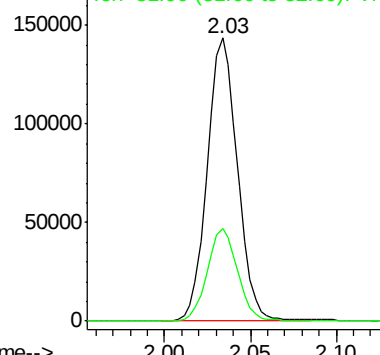
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 42.108 ug/l

RT: 2.16 min Scan# 119

Delta R.T. 0.00 min

Lab File: VN061675.D

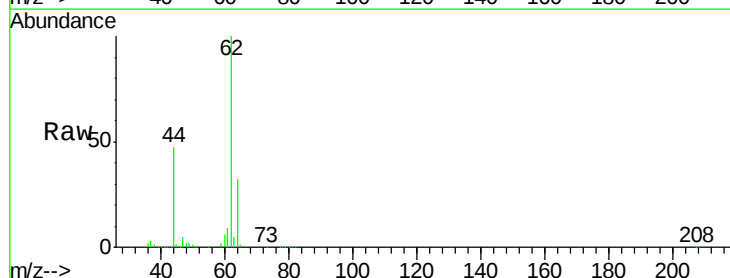
Acq: 5 Jun 2020 17:27

Tgt Ion: 62 Resp: 241964

Ion Ratio Lower Upper

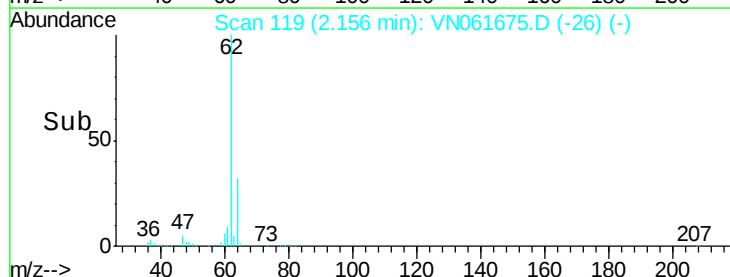
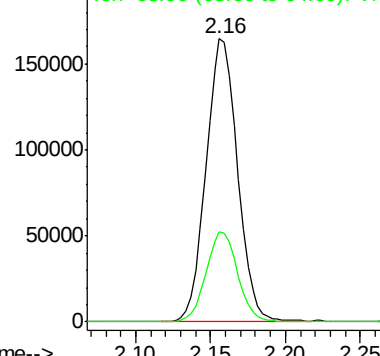
62 100

64 31.7 26.2 39.2



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 45.917 ug/l

RT: 2.52 min Scan# 233

Delta R.T. -0.01 min

Lab File: VN061675.D

Acq: 5 Jun 2020 17:27

Instrument :

MSVOA_N

ClientSampled :

VE-4-11MSD

Tot Ion: 94 Resp: 151402

Ion Ratio Lower Upper

94 100

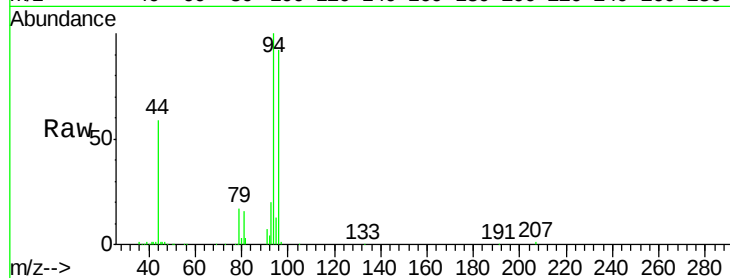
96 91.2 74.8 112.2

Manual Integrations

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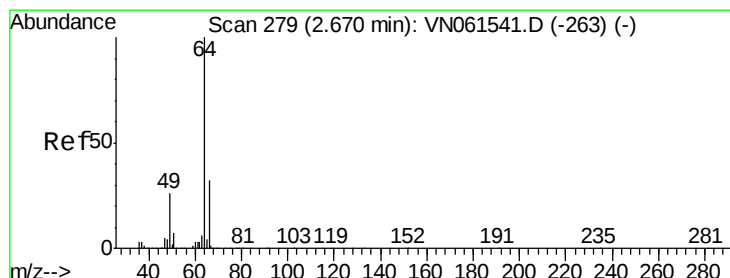
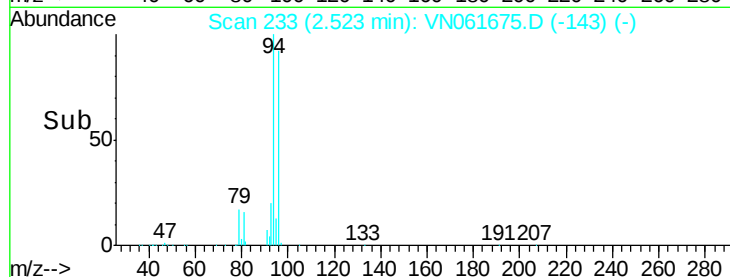
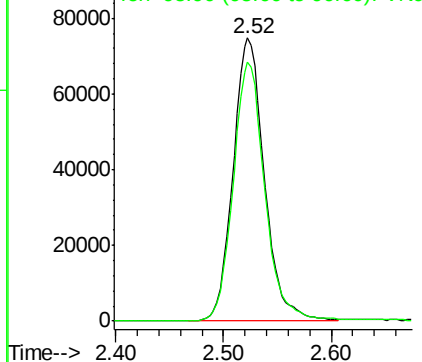
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 42.484 ug/l

RT: 2.67 min Scan# 278

Delta R.T. -0.00 min

Lab File: VN061675.D

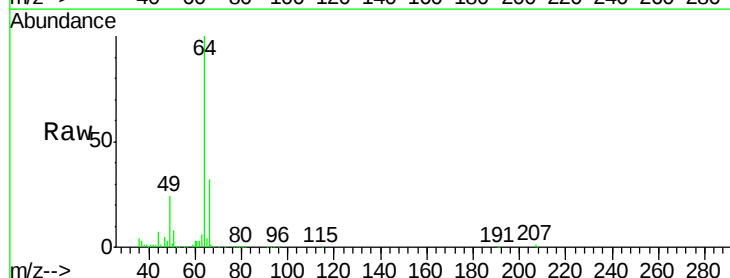
Acq: 5 Jun 2020 17:27

Tgt Ion: 64 Resp: 157137

Ion Ratio Lower Upper

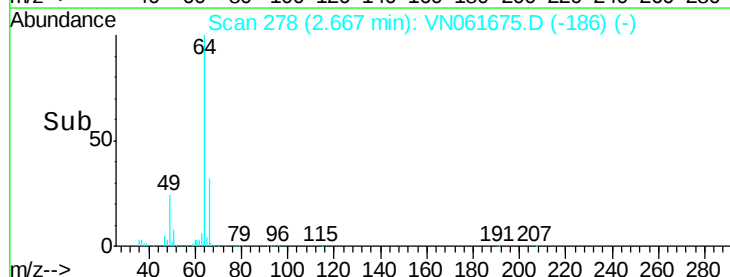
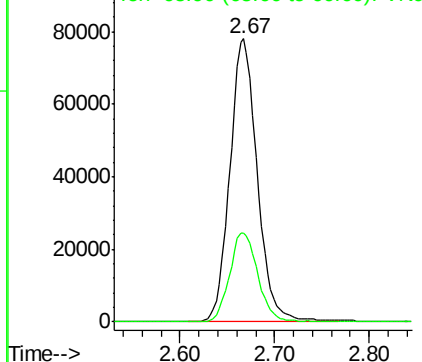
64 100

66 31.5 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

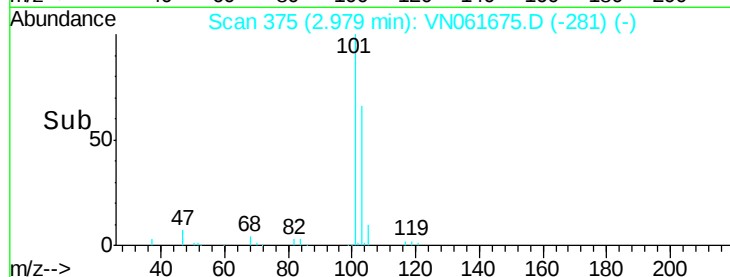
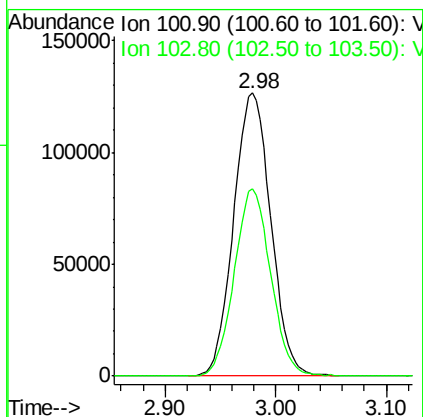
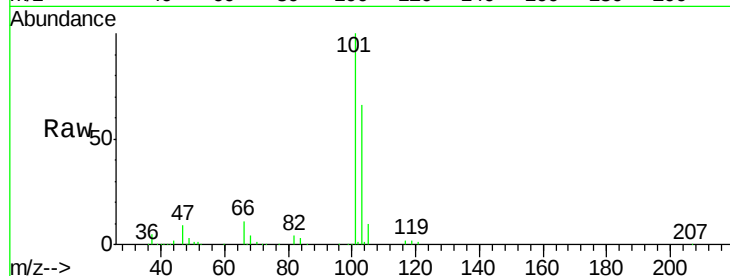
Trichlorofluoromethane
Concen: 39.884 ug/l
RT: 2.98 min Scan# 375
Delta R.T. 0.00 min
Lab File: VN061675.D
Acq: 5 Jun 2020 17:27

Instrument :
MSVOA_N
ClientSampled :
VE-4-11MSD

Tot Ion	Ratio	Resp	Lower	Upper
101	100	295542		
103	66.1	51.4	77.2	

Manual Integrations
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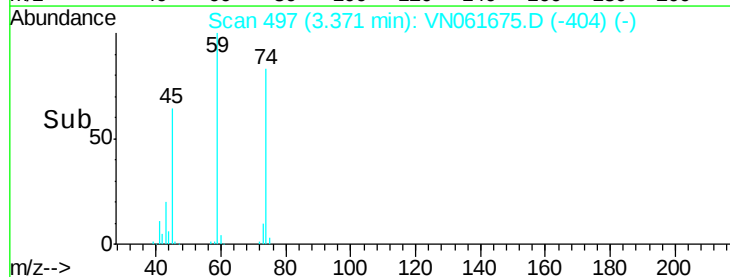
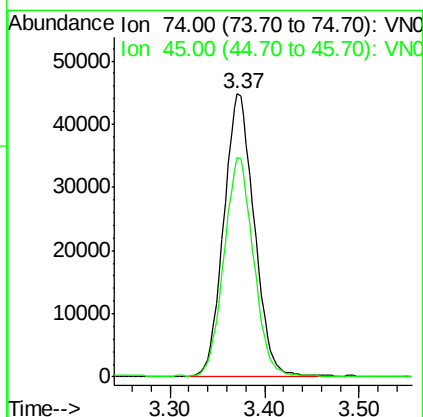
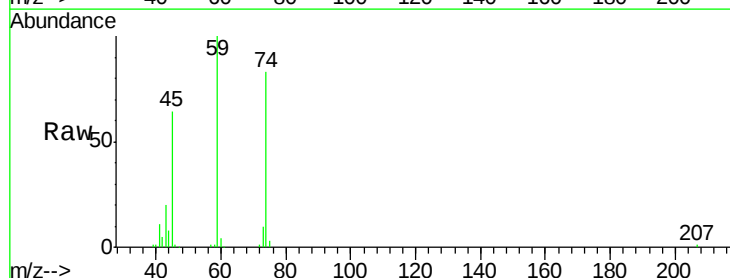
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#8

Diethyl Ether
Concen: 44.312 ug/l
RT: 3.37 min Scan# 497
Delta R.T. 0.00 min
Lab File: VN061675.D
Acq: 5 Jun 2020 17:27

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	100404		
45	75.7	39.9	119.7	





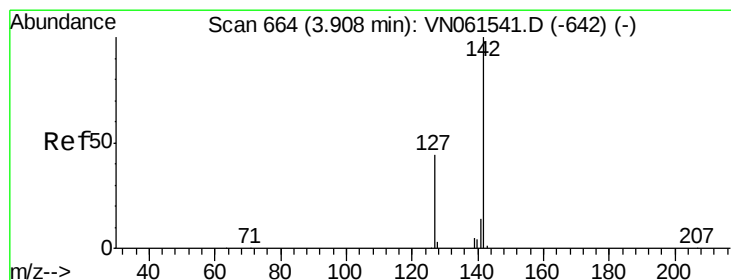
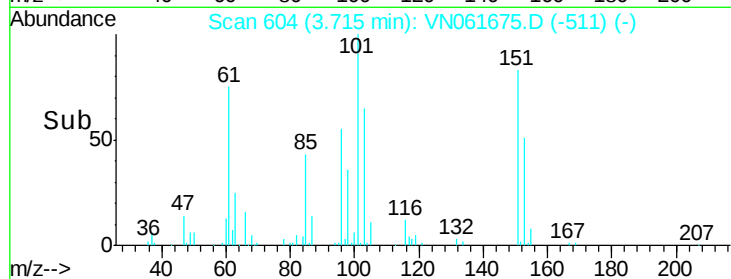
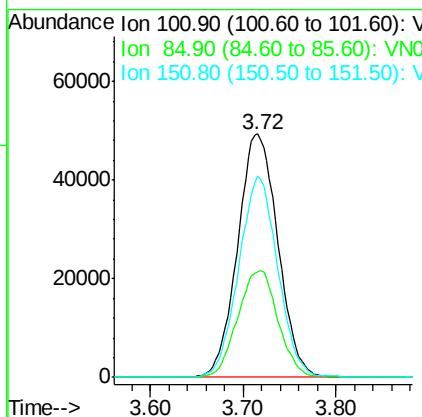
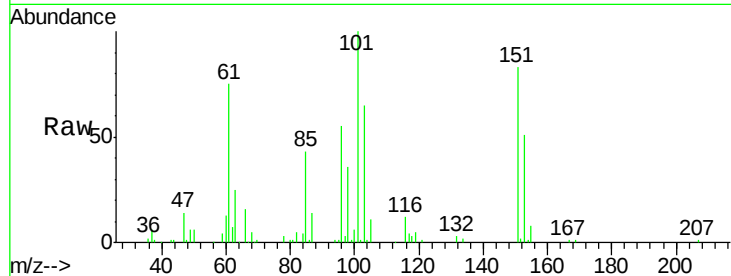
#9
1,1,2-Trichlorotrifluoroethane
Concen: 45.188 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN061675.D
Acq: 5 Jun 2020 17:27

Instrument :
MSVOA_N
ClientSampleId :
VE-4-11MSD

Tot Ion	Ratio	Resp	Lower	Upper
101	100	148590		
85	43.9	35.2	52.8	
151	80.1	61.0	91.6	

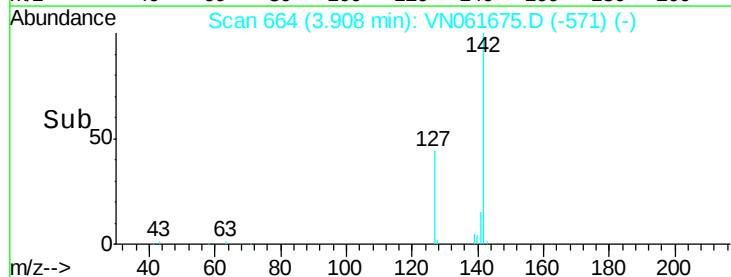
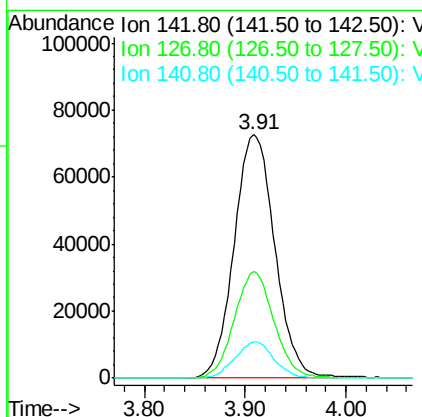
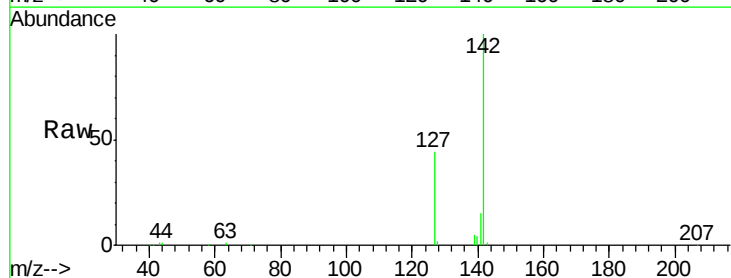
Manual Integrations
APPROVED

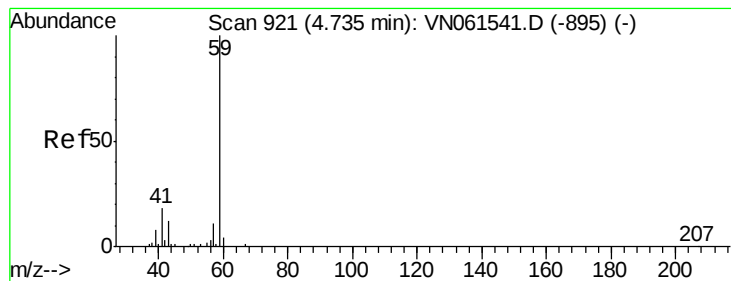
MMDadoda
6/8/2020 11:49:11 AM



#10
Methyl Iodide
Concen: 44.574 ug/l
RT: 3.91 min Scan# 664
Delta R.T. 0.00 min
Lab File: VN061675.D
Acq: 5 Jun 2020 17:27

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	203466		
127	42.7	35.5	53.3	
141	14.4	11.5	17.3	





#11

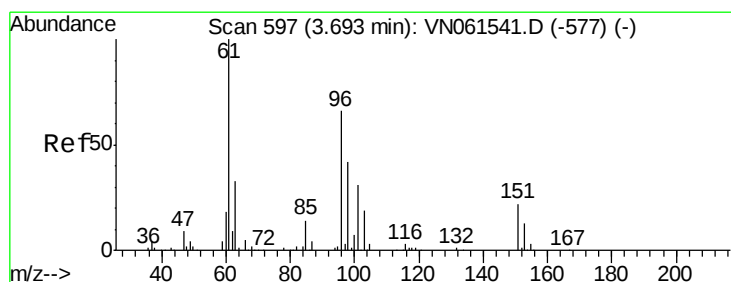
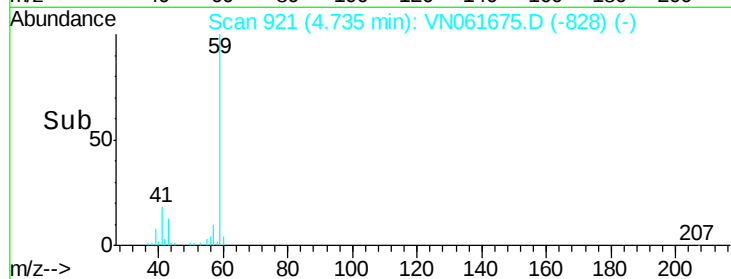
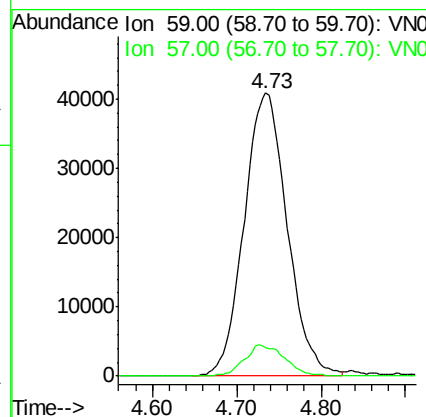
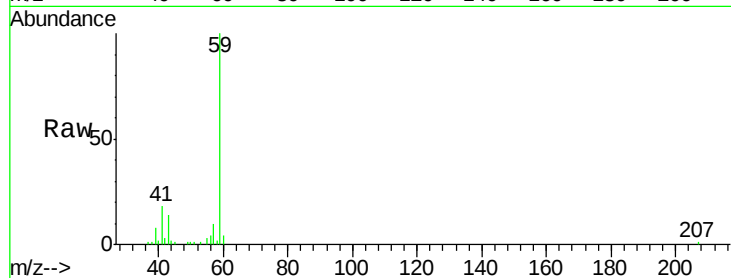
Tert butyl alcohol
Concen: 266.111 ug/l
RT: 4.73 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN061675.D
Acq: 5 Jun 2020 17:27

Instrument :
MSVOA_N
ClientSampled :
VE-4-11MSD

Tot Ion	59	Resp	144988
Ion Ratio	100	Lower	Upper
57	10.4	8.4	12.6

Manual Integrations
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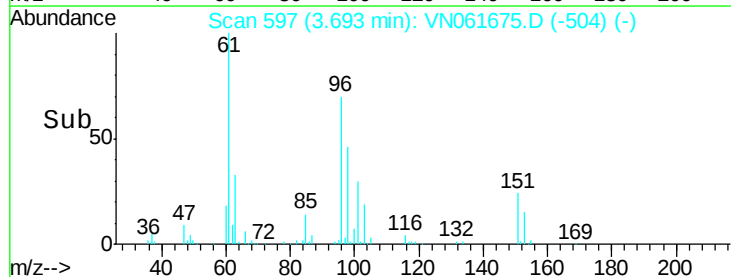
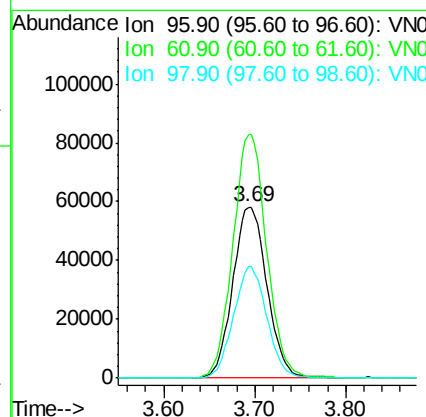
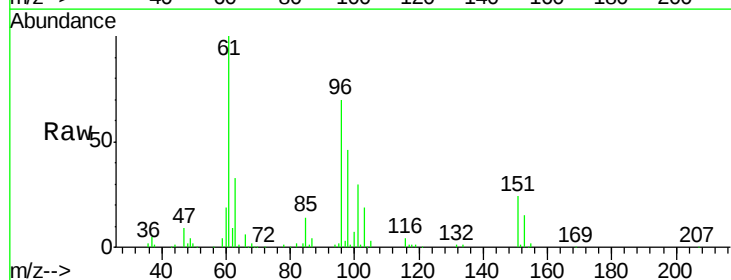
MMDadoda
6/8/2020 11:49:11 AM

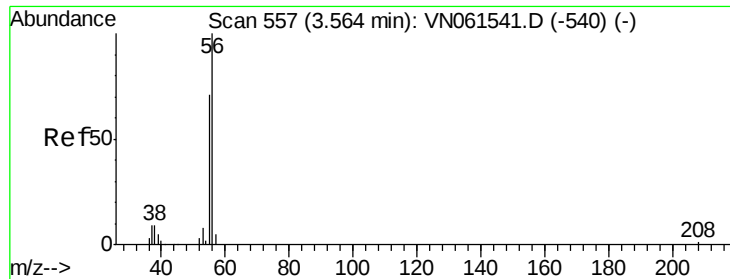


#12

1,1-Dichloroethene
Concen: 43.257 ug/l
RT: 3.69 min Scan# 597
Delta R.T. 0.00 min
Lab File: VN061675.D
Acq: 5 Jun 2020 17:27

Tgt Ion	96	Resp	151964
Ion Ratio	100	Lower	Upper
61	142.1	120.5	180.7
98	65.0	50.8	76.2





#13

Acrolein

Concen: 285.160 ug/l

RT: 3.57 min Scan# 558

Delta R.T. 0.00 min

Lab File: VN061675.D

Acq: 5 Jun 2020 17:27

Instrument :

MSVOA_N

ClientSampleId :

VE-4-11MSD

Tot Ion: 56 Resp: 44327

Ion Ratio Lower Upper

56 100

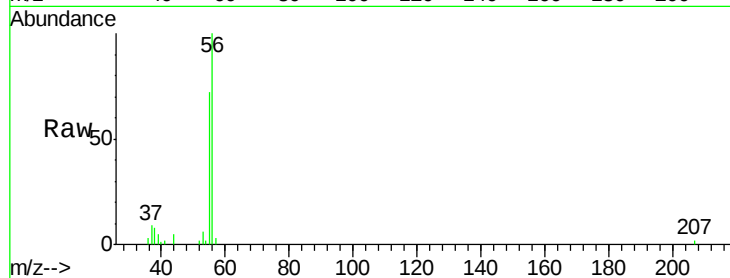
55 66.6 58.0 87.0

Manual Integrations

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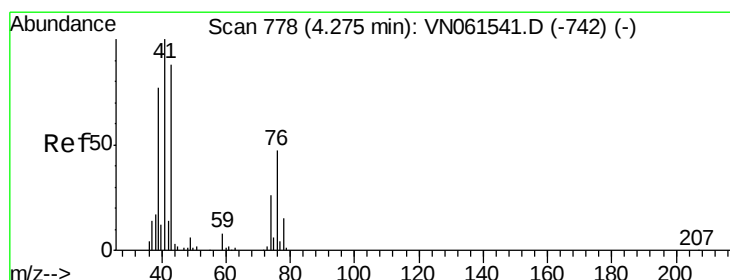
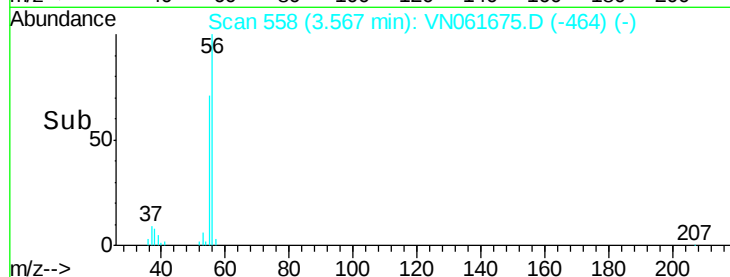
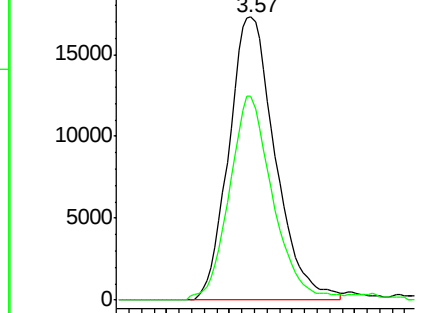
MMDadoda

6/8/2020 11:49:11 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 41.641 ug/l

RT: 4.27 min Scan# 778

Delta R.T. 0.00 min

Lab File: VN061675.D

Acq: 5 Jun 2020 17:27

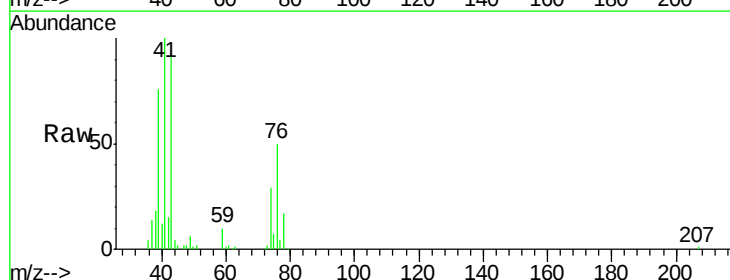
Tgt Ion: 41 Resp: 191247

Ion Ratio Lower Upper

41 100

39 70.3 58.6 88.0

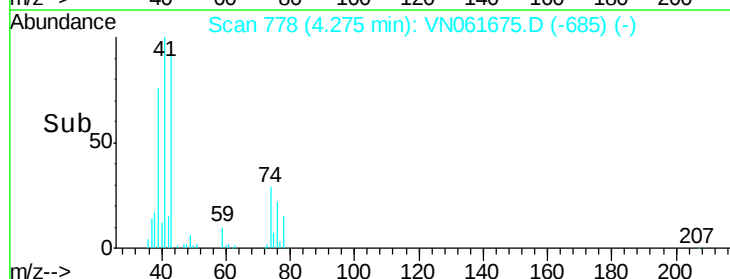
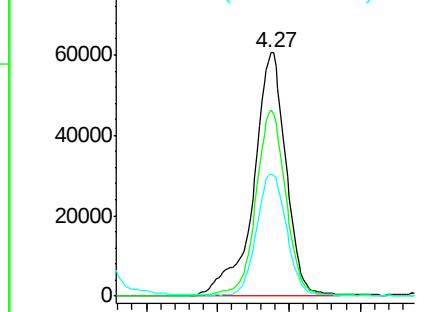
76 45.6 34.2 51.4

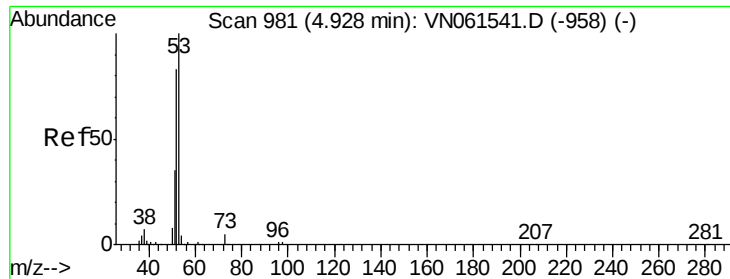


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





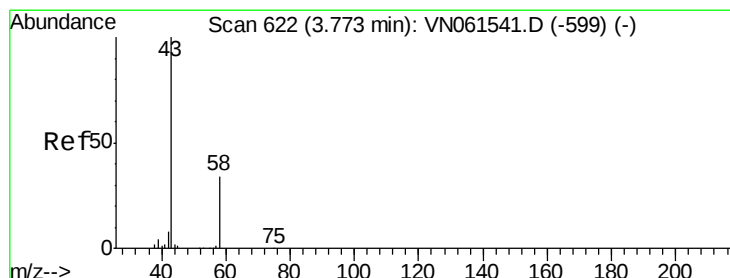
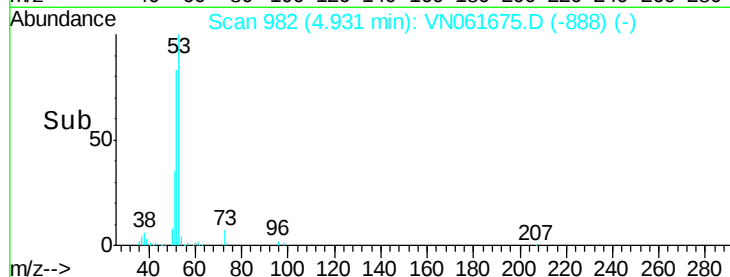
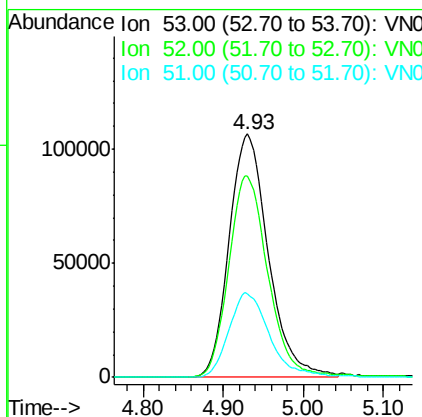
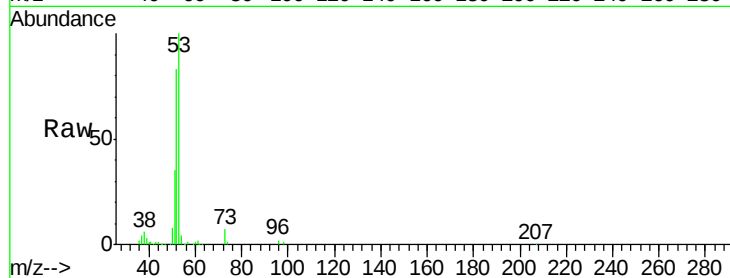
#15
 Acrylonitrile
 Concen: 234.318 ug/l
 RT: 4.93 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VN061675.D
 Acq: 5 Jun 2020 17:27

Instrument :
 MSVOA_N
 ClientSampled :
 VE-4-11MSD

Tot Ion	Ratio	Lower	Upper
53	100		
52	83.2	65.4	98.2
51	36.2	29.0	43.6

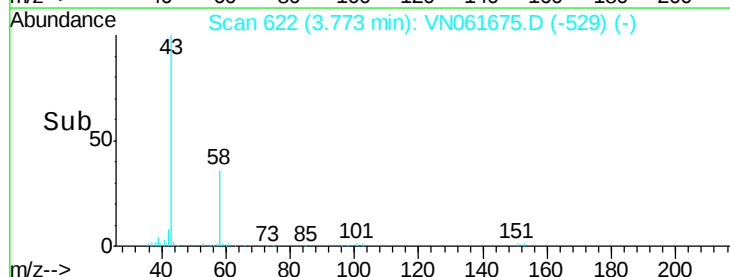
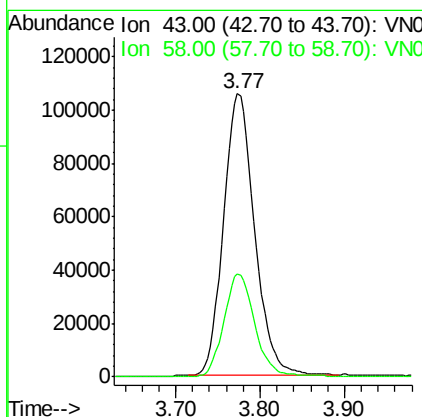
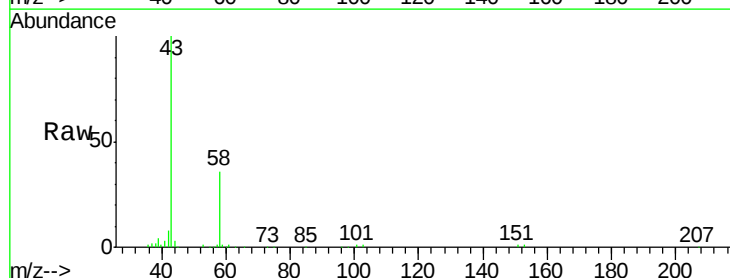
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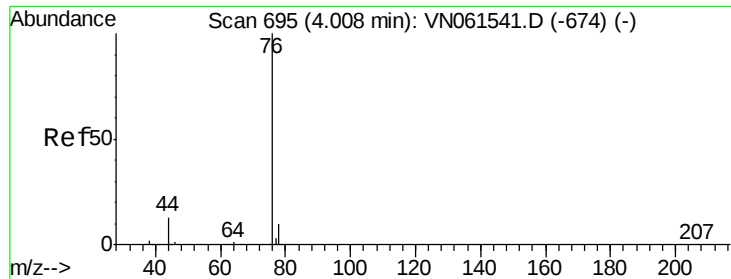
MMDadoda
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#16
 Acetone
 Concen: 239.406 ug/l
 RT: 3.77 min Scan# 622
 Delta R.T. 0.00 min
 Lab File: VN061675.D
 Acq: 5 Jun 2020 17:27

Tgt Ion	Ratio	Lower	Upper
43	100		
58	36.6	27.2	40.8





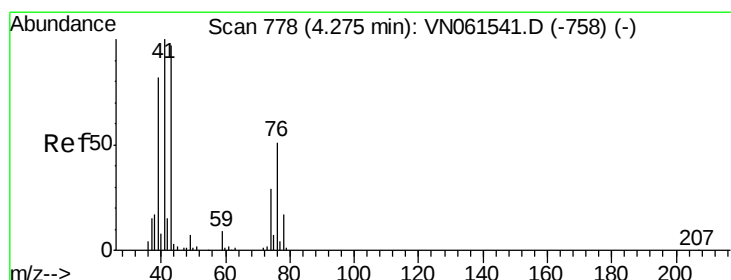
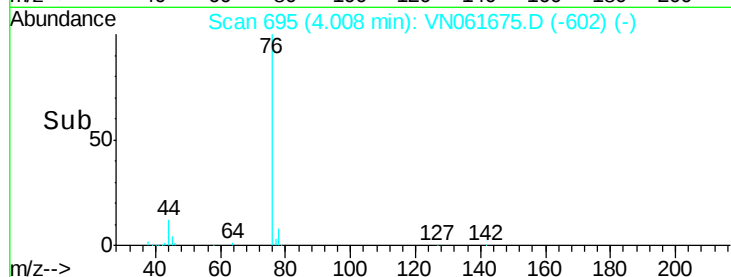
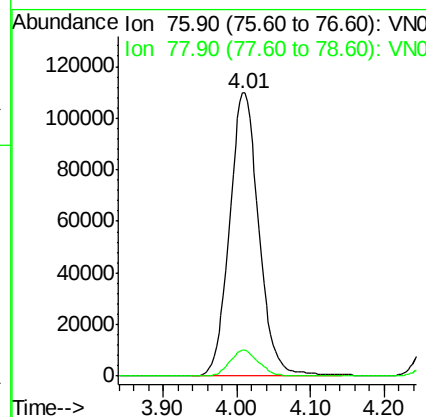
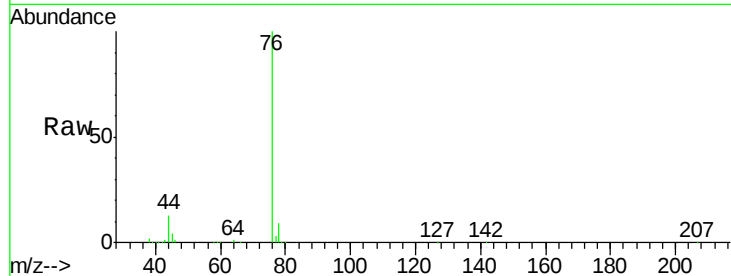
#17
Carbon Disulfide
Concen: 39.280 ug/l
RT: 4.01 min Scan# 695
Delta R.T. 0.00 min
Lab File: VN061675.D
Acq: 5 Jun 2020 17:27

Instrument :
MSVOA_N
ClientSampled :
VE-4-11MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.8	11.6

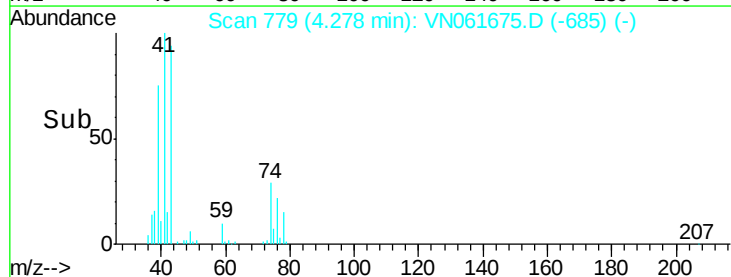
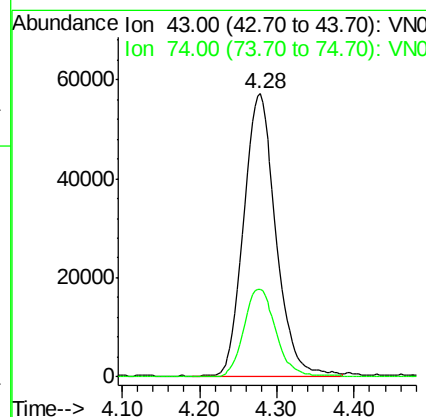
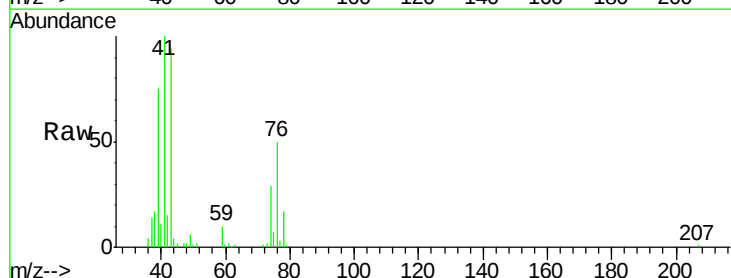
Manual Integrations
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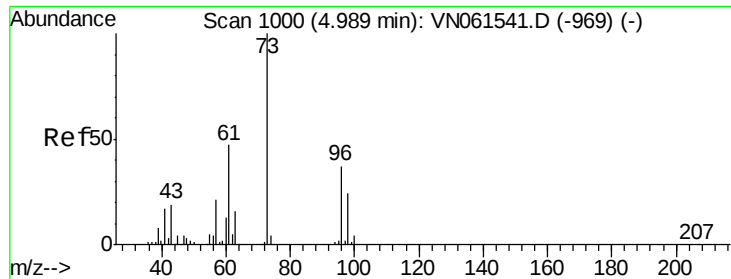
MMDadoda
6/8/2020 11:49:11 AM



#18
Methyl Acetate
Concen: 44.881 ug/l
RT: 4.28 min Scan# 779
Delta R.T. 0.00 min
Lab File: VN061675.D
Acq: 5 Jun 2020 17:27

Tgt Ion	Ratio	Lower	Upper
43	100		
74	30.8	23.2	34.8





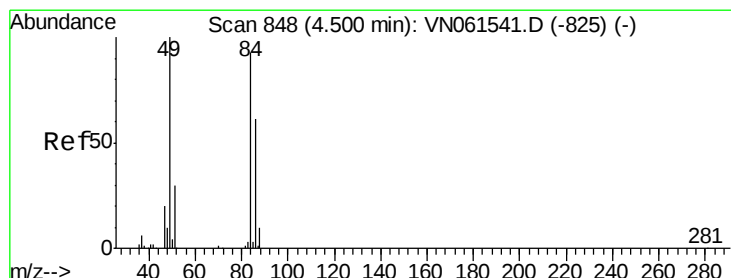
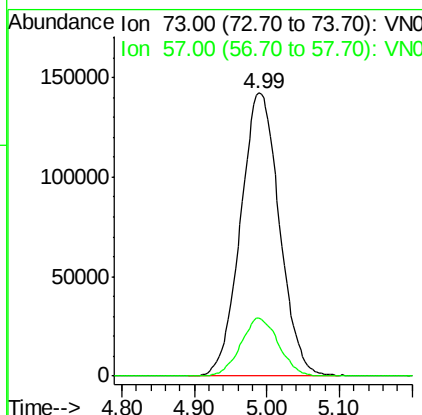
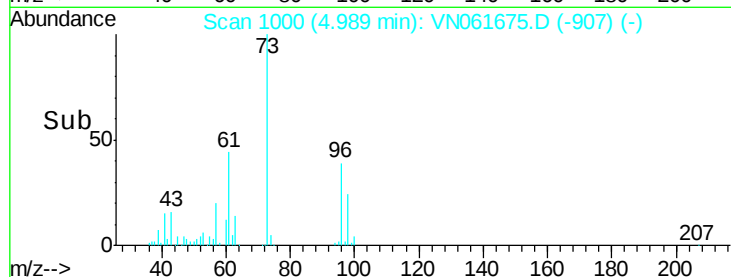
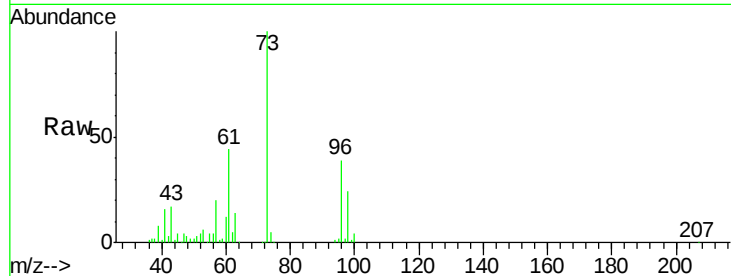
#19
Methvl tert-butvl Ether
Concen: 44.361 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. 0.00 min
Lab File: VN061675.D
Acq: 5 Jun 2020 17:27

Instrument :
MSVOA_N
ClientSampleId :
VE-4-11MSD

Tot Ion: 73 Resp: 531128
Ion Ratio Lower Upper
73 100
57 20.4 16.4 24.6

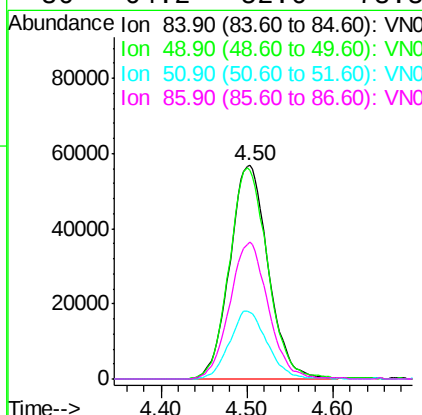
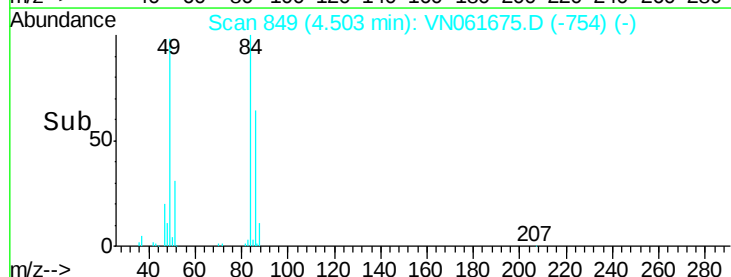
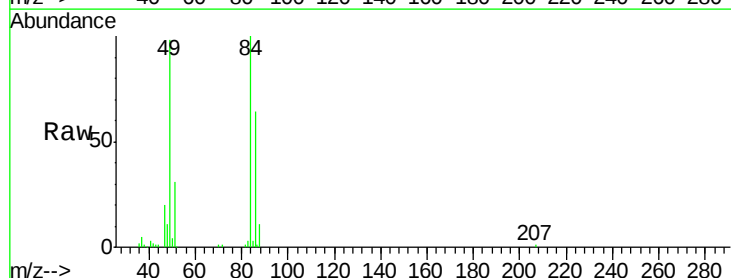
Manual Integrations
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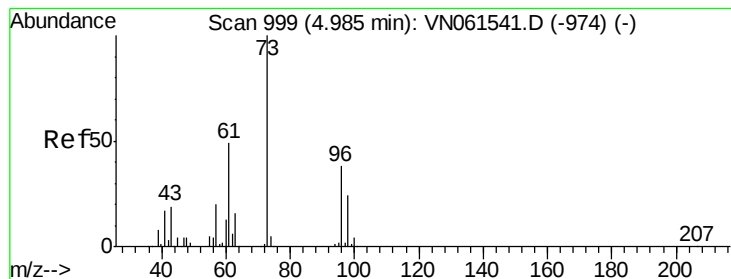
MMDadoda
6/8/2020 11:49:11 AM



#20
Methylene Chloride
Concen: 47.293 ug/l
RT: 4.50 min Scan# 849
Delta R.T. 0.00 min
Lab File: VN061675.D
Acq: 5 Jun 2020 17:27

Tgt Ion: 84 Resp: 176429
Ion Ratio Lower Upper
84 100
49 97.8 85.8 128.8
51 31.5 26.2 39.2
86 64.2 52.6 78.8





#21

trans-1,2-Dichloroethene

Concen: 43.683 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN061675.D

Acq: 5 Jun 2020 17:27

Instrument :

MSVOA_N

ClientSampled :

VE-4-11MSD

Tot Ion: 96 Resp: 173063

Ion Ratio Lower Upper

96 100

61 112.3 101.4 152.0

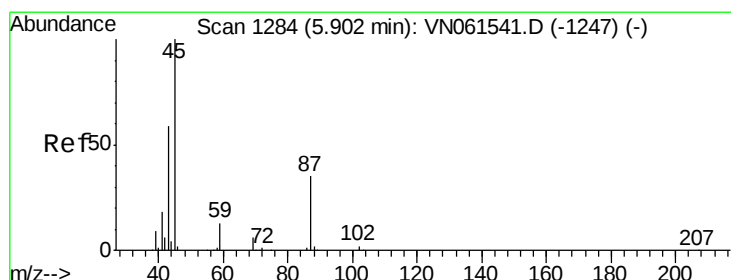
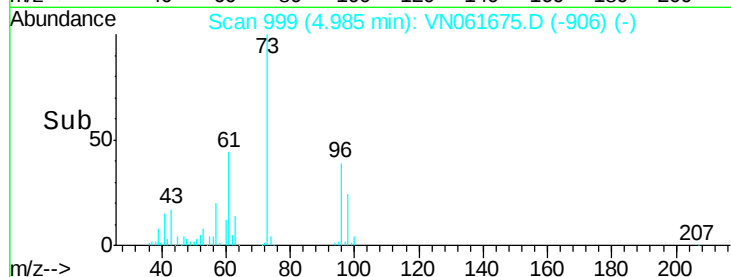
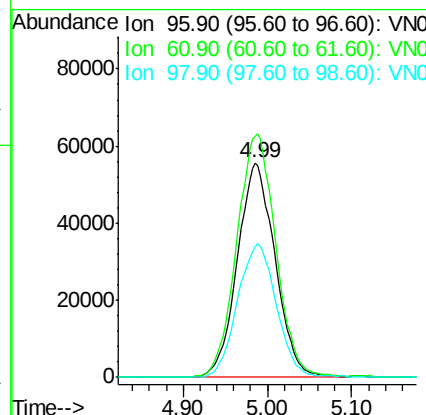
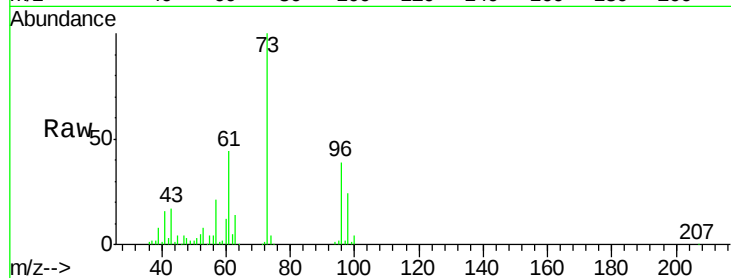
98 61.1 50.6 76.0

Manual Integrations

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MMDadoda

6/8/2020 11:49:11 AM



#22

Diisopropyl ether

Concen: 43.666 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VN061675.D

Acq: 5 Jun 2020 17:27

Tgt Ion: 45 Resp: 442019

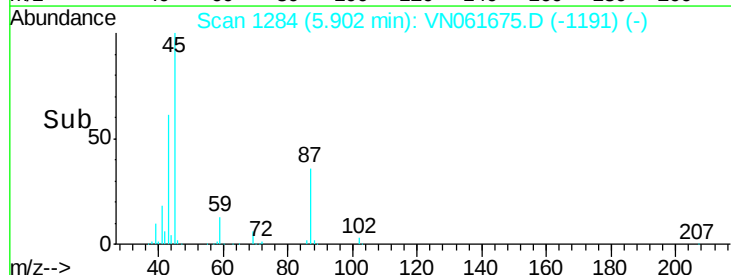
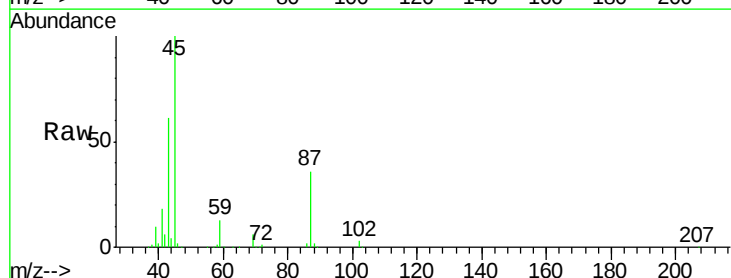
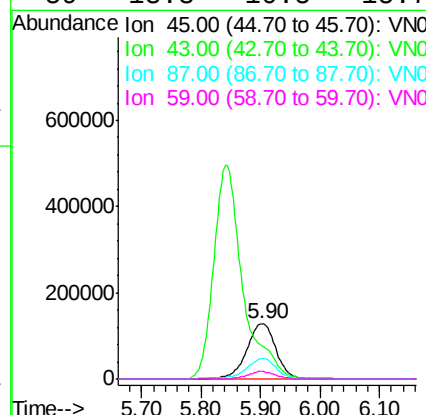
Ion Ratio Lower Upper

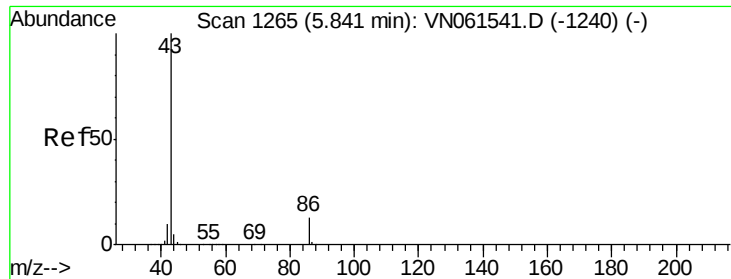
45 100

43 59.8 47.9 71.9

87 36.5 28.4 42.6

59 13.3 10.5 15.7





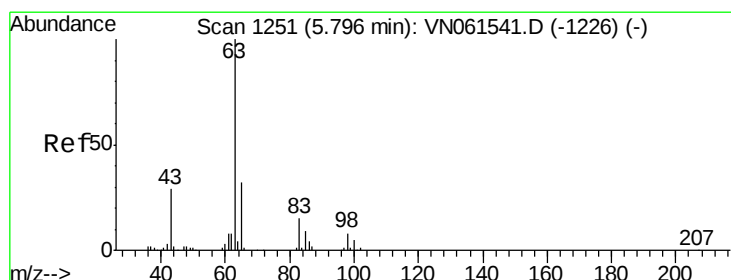
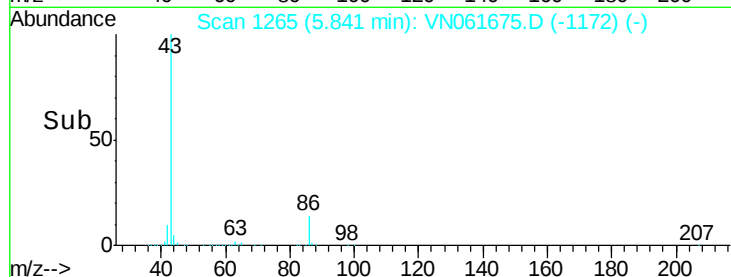
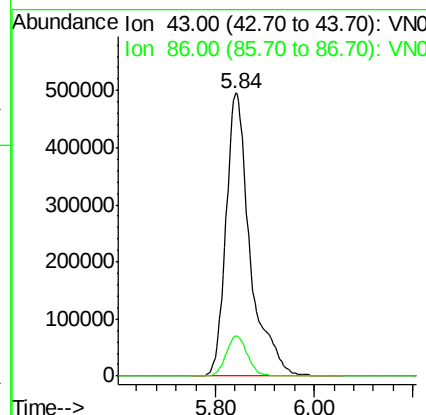
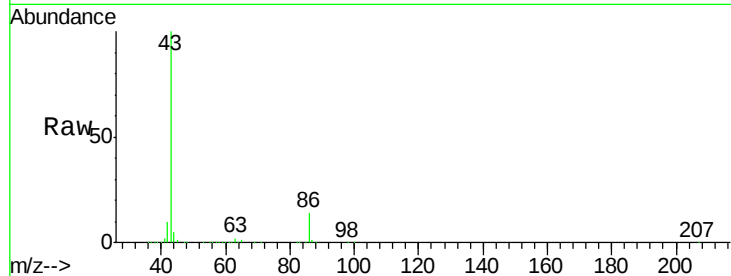
#23
 Vinyl Acetate
 Concen: 209.271 ug/l
 RT: 5.84 min Scan# 1265
 Delta R.T. 0.00 min
 Lab File: VN061675.D
 Acq: 5 Jun 2020 17:27

Instrument :
 MSVOA_N
 ClientSampled :
 VE-4-11MSD

Tot Ion: 43 Resp: 1688399
 Ion Ratio Lower Upper
 43 100
 86 14.0 10.6 16.0

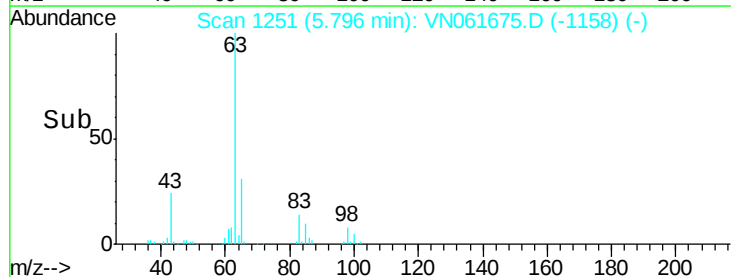
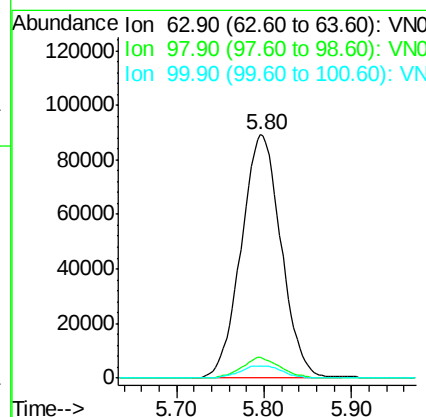
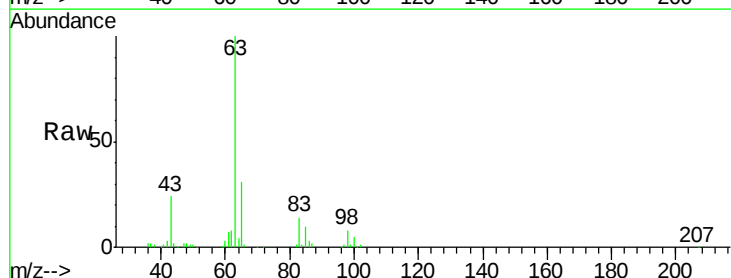
Manual Integrations
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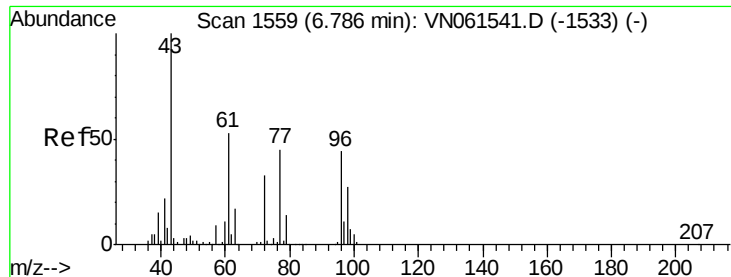
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 43.923 ug/l
 RT: 5.80 min Scan# 1251
 Delta R.T. 0.00 min
 Lab File: VN061675.D
 Acq: 5 Jun 2020 17:27

Tgt Ion: 63 Resp: 281942
 Ion Ratio Lower Upper
 63 100
 98 8.5 3.8 11.4
 100 5.0 2.5 7.6





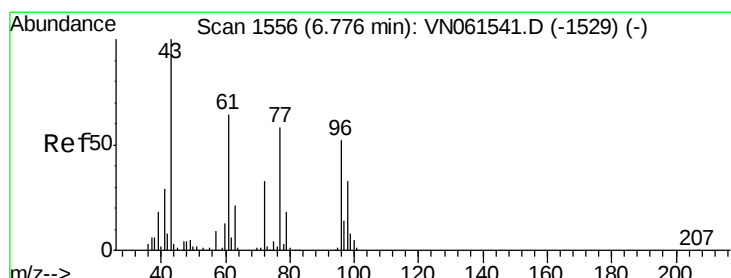
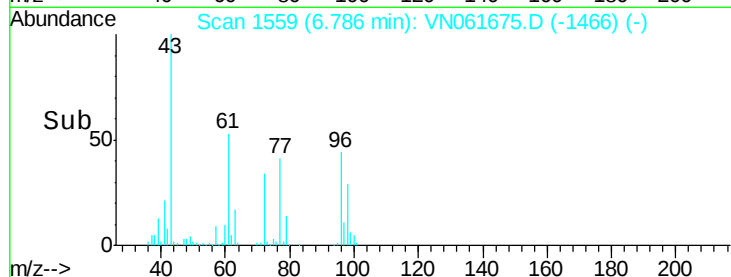
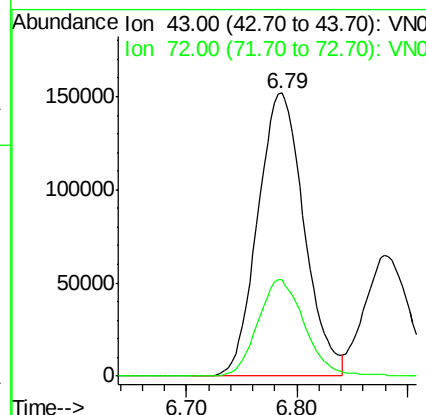
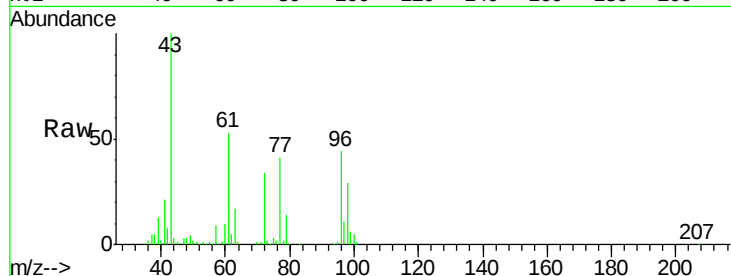
#25
2-Butanone
Concen: 227.306 ug/l
RT: 6.79 min Scan# 1559
Delta R.T. 0.00 min
Lab File: VN061675.D
Acq: 5 Jun 2020 17:27

Instrument :
MSVOA_N
ClientSampleId :
VE-4-11MSD

Tot Ion: 43 Resp: 441269
Ion Ratio Lower Upper
43 100
72 33.9 26.0 39.0

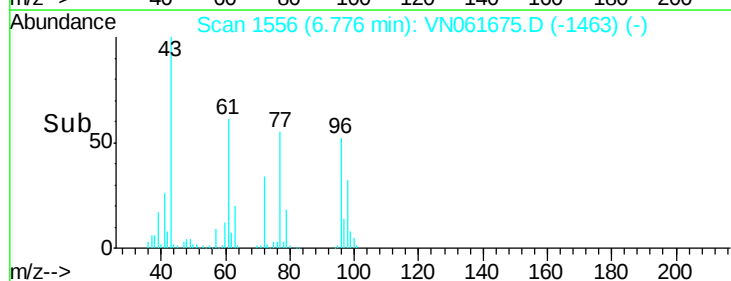
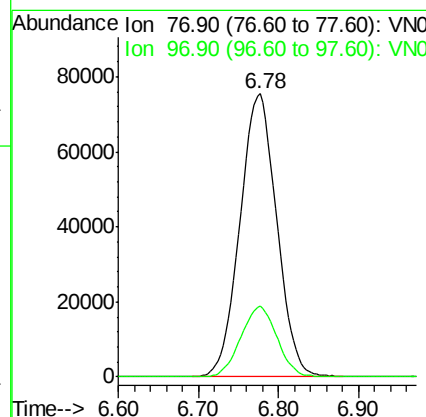
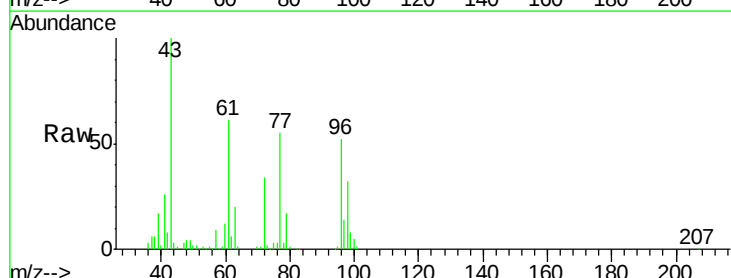
Manual Integrations
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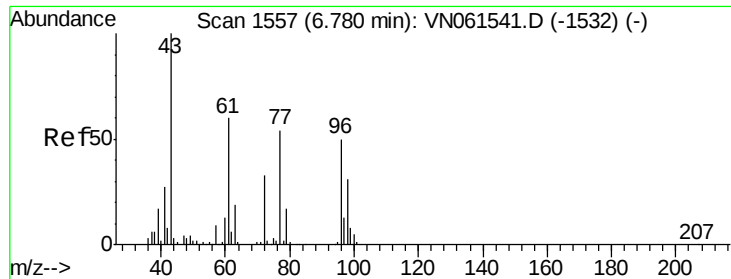
MMDadoda
6/8/2020 11:49:11 AM



#26
2,2-Dichloropropane
Concen: 40.056 ug/l
RT: 6.78 min Scan# 1556
Delta R.T. 0.00 min
Lab File: VN061675.D
Acq: 5 Jun 2020 17:27

Tgt Ion: 77 Resp: 235333
Ion Ratio Lower Upper
77 100
97 24.6 12.0 36.0





#27

cis-1,2-Dichloroethene

Concen: 46.343 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. 0.00 min

Lab File: VN061675.D

Acq: 5 Jun 2020 17:27

Instrument :

MSVOA_N

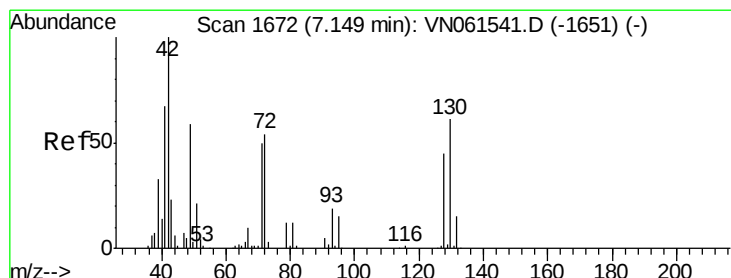
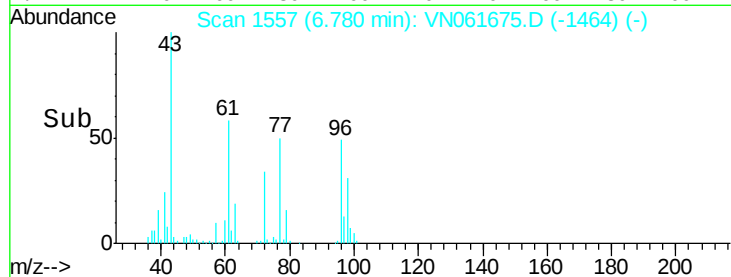
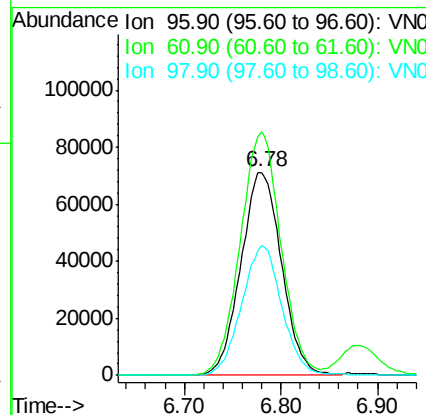
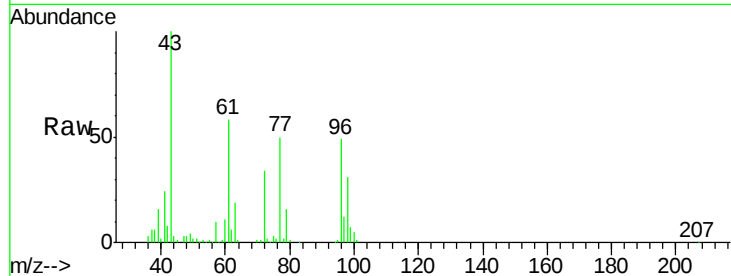
ClientSampled :

VE-4-11MSD

Tot Ion:	96	Resp:	207901
Ion	Ratio	Lower	Upper
96	100		
61	120.3	0.0	252.2
98	63.0	0.0	129.2

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#28

Bromochloromethane

Concen: 47.744 ug/l

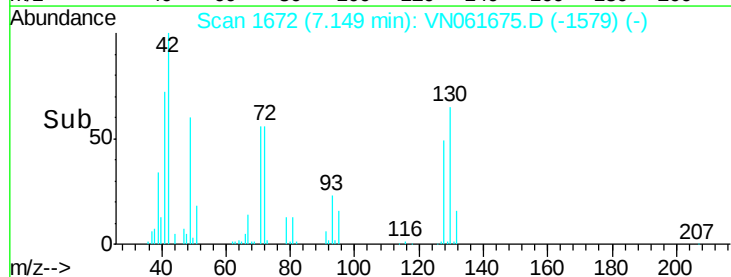
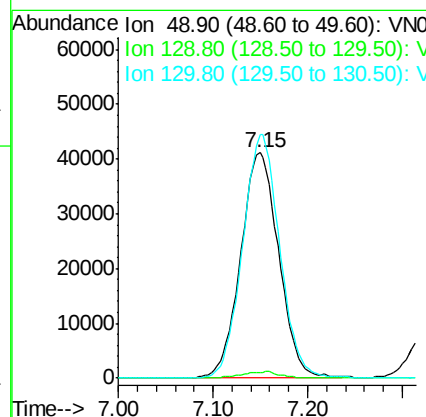
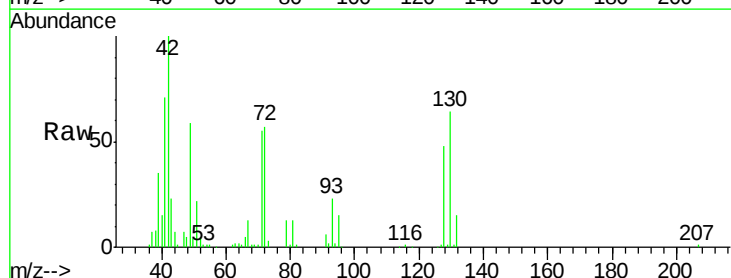
RT: 7.15 min Scan# 1672

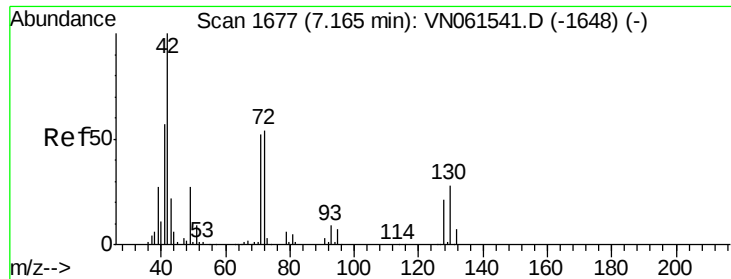
Delta R.T. 0.00 min

Lab File: VN061675.D

Acq: 5 Jun 2020 17:27

Tgt Ion:	49	Resp:	115202
Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	4.8
130	104.8	78.8	118.2





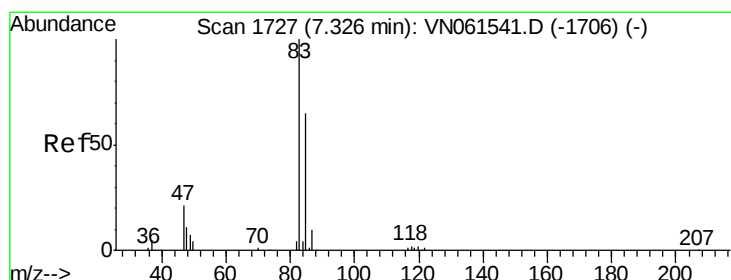
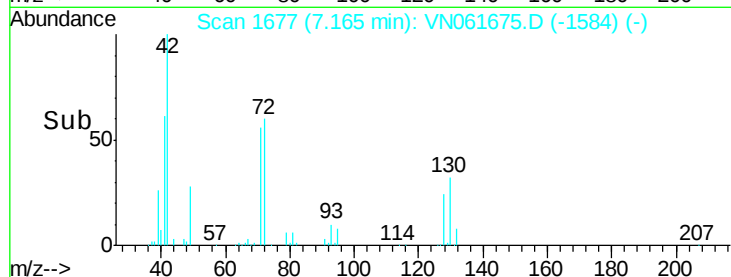
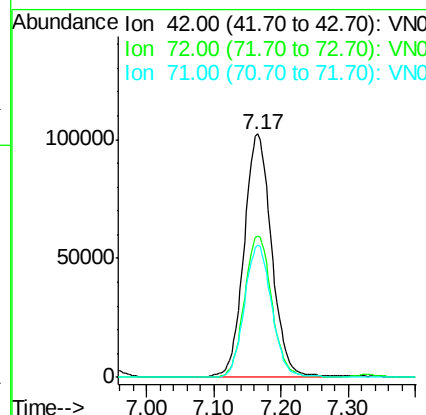
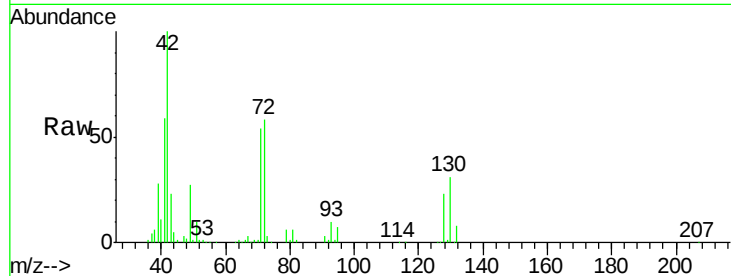
#29
Tetrahydrofuran
Concen: 228.296 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. 0.00 min
Lab File: VN061675.D
Acq: 5 Jun 2020 17:27

Instrument :
MSVOA_N
ClientSampled :
VE-4-11MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	57.5	43.6	65.4
71	53.6	41.2	61.8

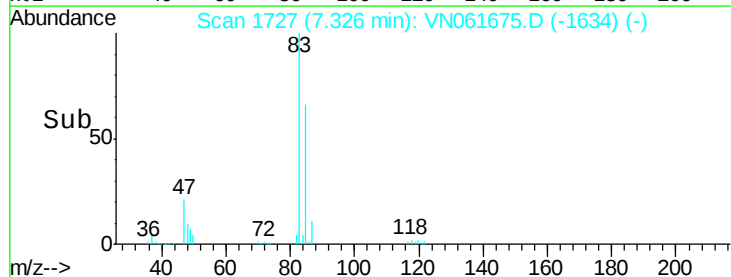
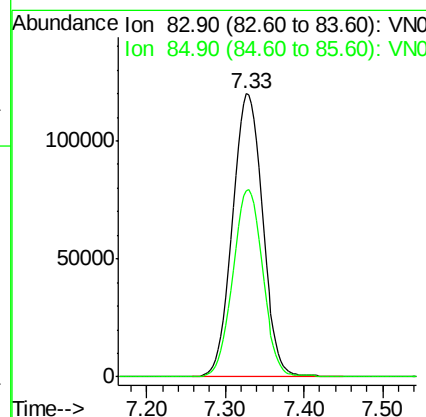
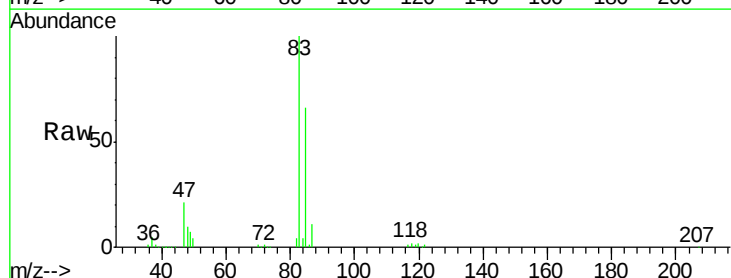
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#30
Chloroform
Concen: 45.173 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. 0.00 min
Lab File: VN061675.D
Acq: 5 Jun 2020 17:27

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	51.7	77.5





#31

Cyclohexane

Concen: 40.383 ug/l

RT: 7.61 min Scan# 1816

Delta R.T. 0.00 min

Lab File: VN061675.D

Acq: 5 Jun 2020 17:27

Instrument :

MSVOA_N

ClientSampled :

VE-4-11MSD

Tot Ion: 56 Resp: 233127

Ion Ratio Lower Upper

56 100

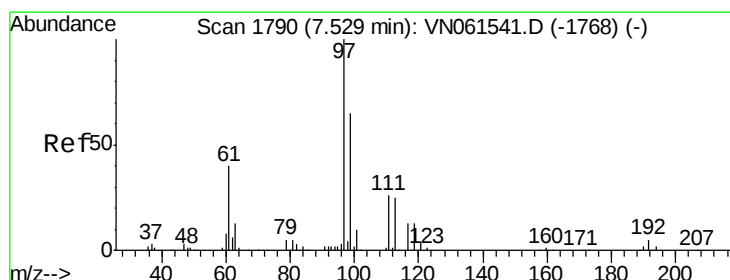
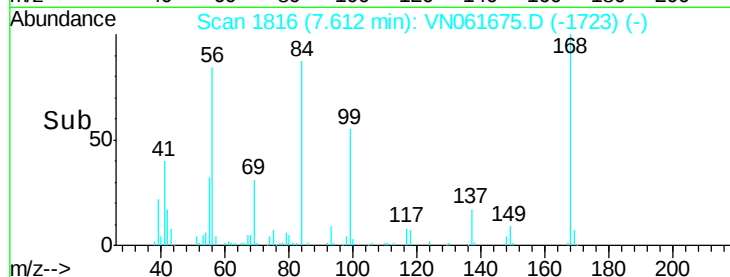
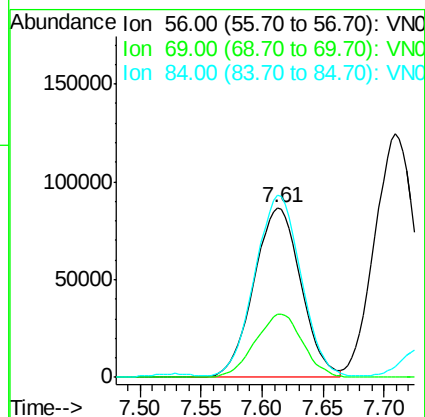
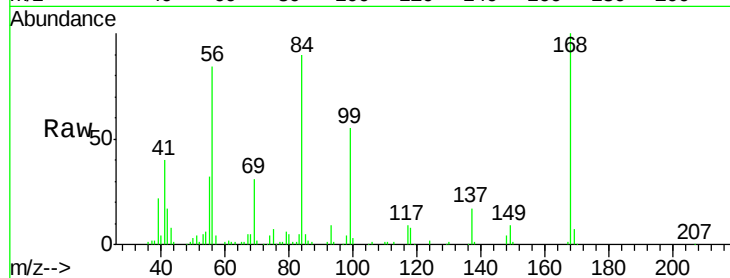
69 37.0 27.8 41.8

84 106.4 79.9 119.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 44.720 ug/l

RT: 7.53 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VN061675.D

Acq: 5 Jun 2020 17:27

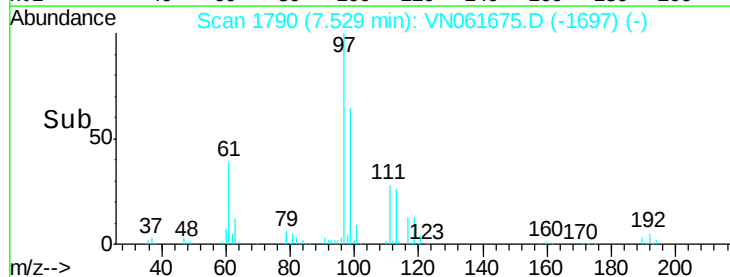
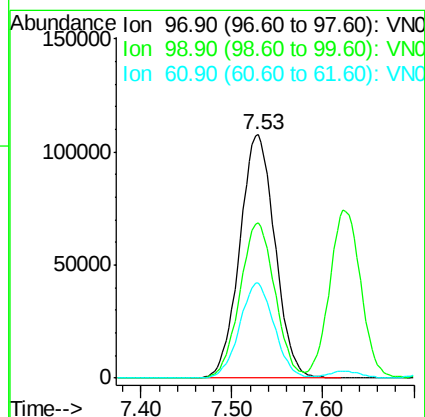
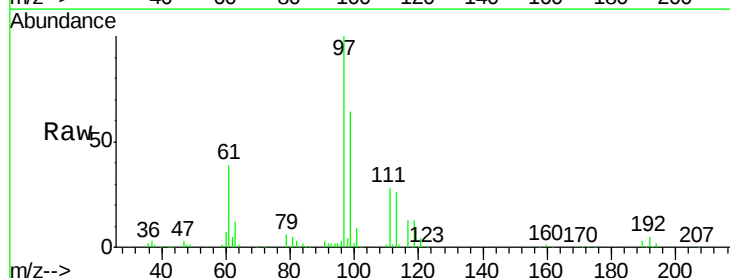
Tgt Ion: 97 Resp: 289373

Ion Ratio Lower Upper

97 100

99 0.0 51.4 77.0#

61 38.5 31.4 47.0





#33

1,2-Dichloroethane-d4

Concen: 45.498 ug/l

RT: 7.99 min Scan# 1932

Delta R.T. -0.00 min

Lab File: VN061675.D

Acq: 5 Jun 2020 17:27

Instrument :

MSVOA_N

ClientSampled :

VE-4-11MSD

Tot Ion: 65 Resp: 186367

Ion Ratio Lower Upper

65 100

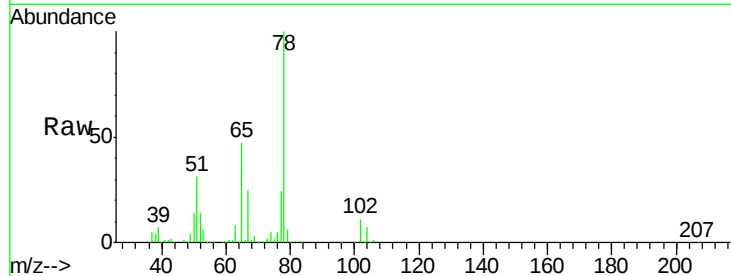
67 52.5 0.0 104.8

Manual Integrations

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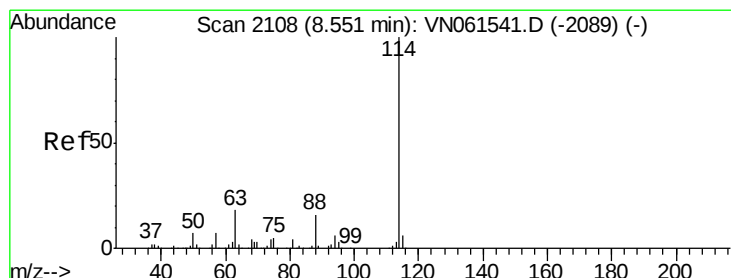
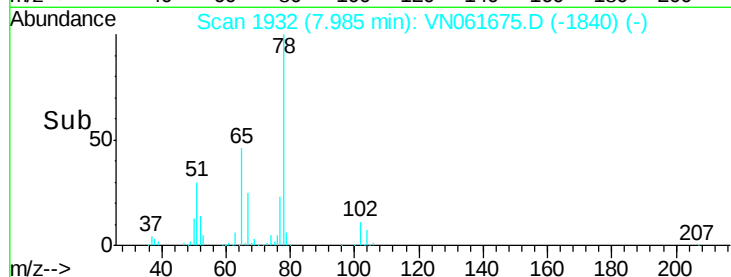
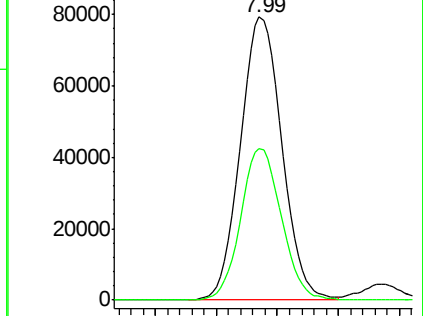
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Abundance Ion 64.90 (64.60 to 65.60): VN061675.D (-1840) (-)

Ion 66.90 (66.60 to 67.60): VN061675.D (-1840) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2107

Delta R.T. -0.00 min

Lab File: VN061675.D

Acq: 5 Jun 2020 17:27

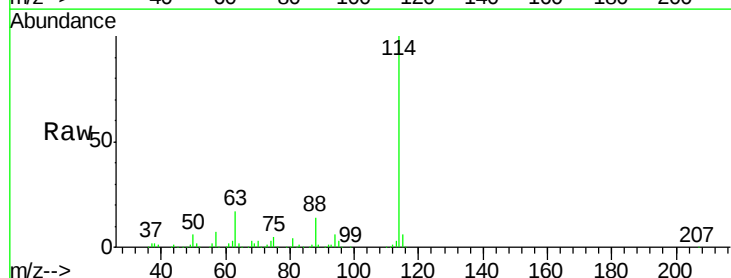
Tgt Ion: 114 Resp: 562458

Ion Ratio Lower Upper

114 100

63 17.4 0.0 35.8

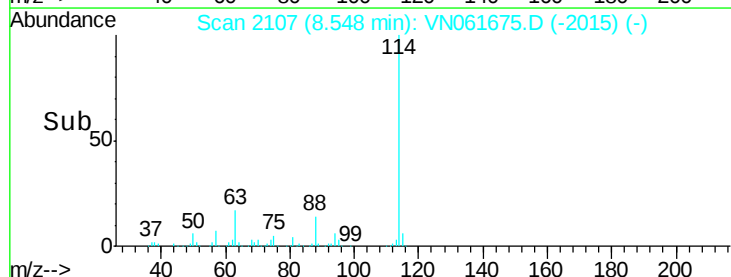
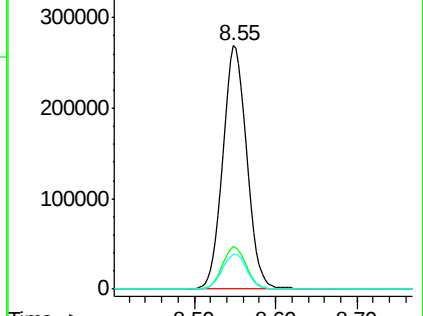
88 14.2 0.0 31.0



Abundance Ion 113.90 (113.60 to 114.60): VN061675.D (-2015) (-)

Ion 63.00 (62.70 to 63.70): VN061675.D (-2015) (-)

Ion 87.90 (87.60 to 88.60): VN061675.D (-2015) (-)





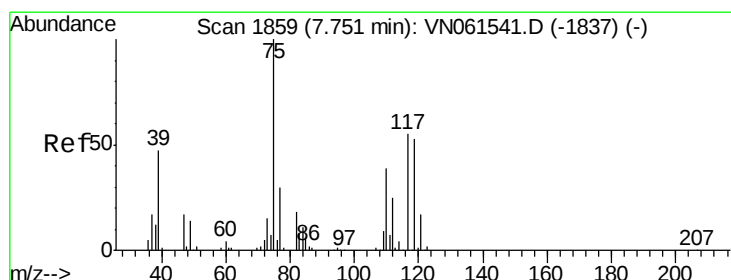
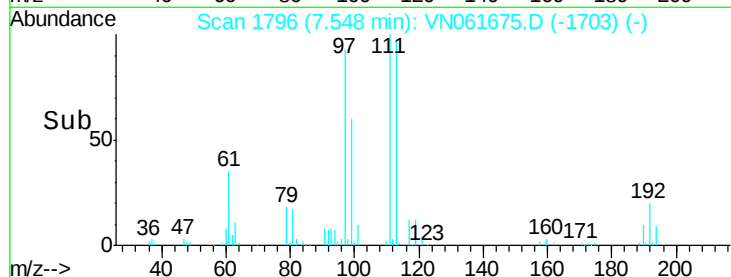
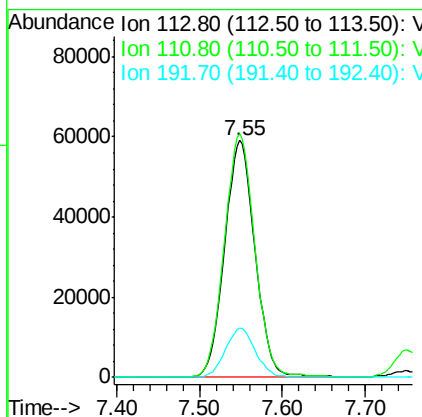
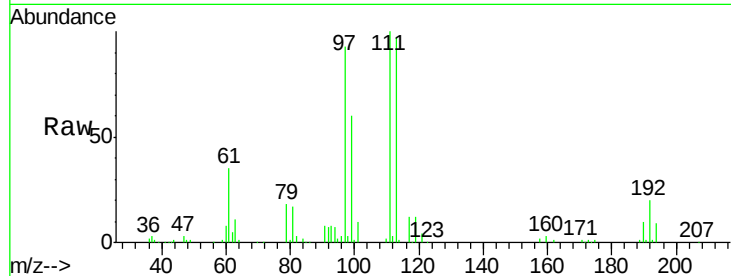
#35
 Dibromofluoromethane
 Concen: 52.617 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VN061675.D
 Acq: 5 Jun 2020 17:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VE-4-11MSD

Tot Ion	Ratio	Resp	Lower	Upper
113	100	150129		
111	103.1	83.4	125.0	
192	20.5	15.4	23.2	

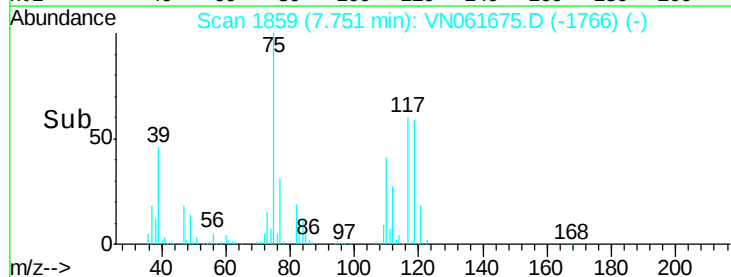
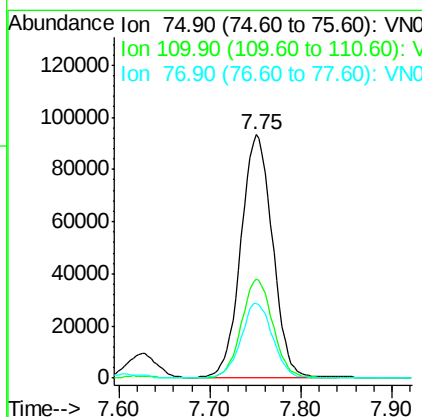
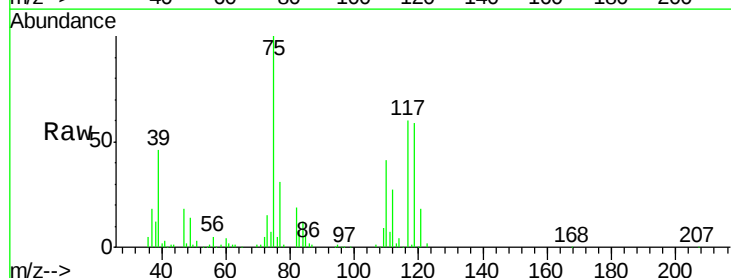
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#36
 1,1-Dichloropropene
 Concen: 45.157 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VN061675.D
 Acq: 5 Jun 2020 17:27

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	224848		
110	40.4	19.5	58.5	
77	31.2	24.7	37.1	





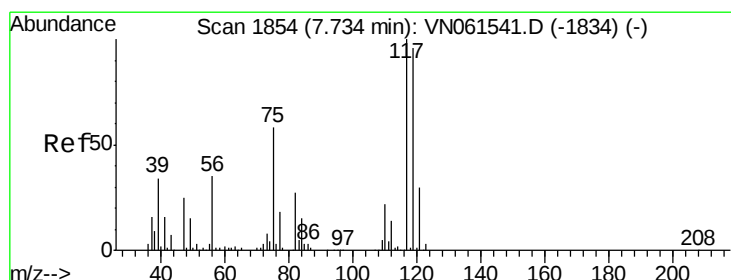
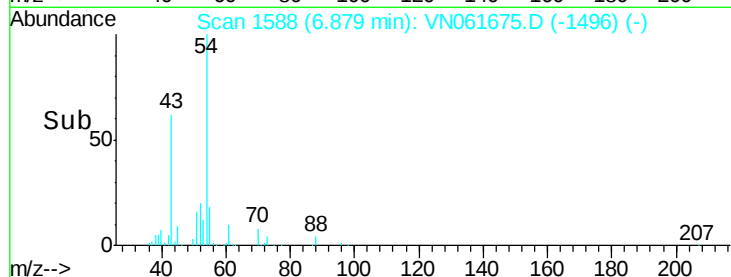
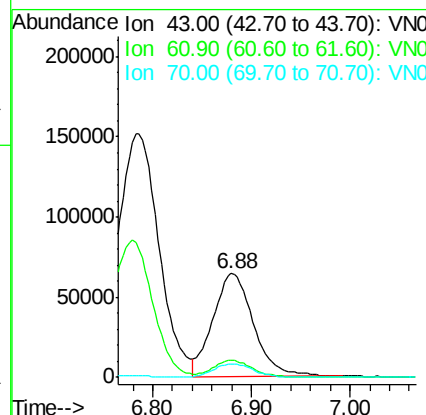
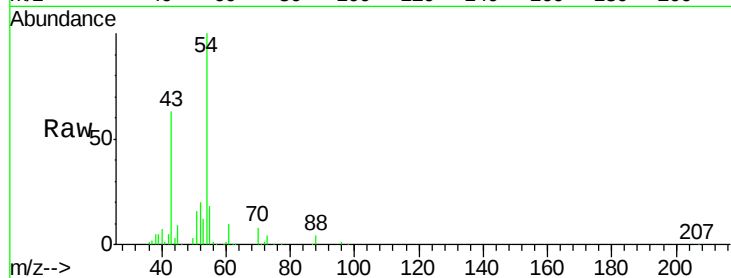
#37
Ethyl Acetate
Concen: 45.853 ug/l
RT: 6.88 min Scan# 1588
Delta R.T. -0.00 min
Lab File: VN061675.D
Acq: 5 Jun 2020 17:27

Instrument :
MSVOA_N
ClientSampleId :
VE-4-11MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.7	12.2	18.4
70	13.1	9.4	14.2

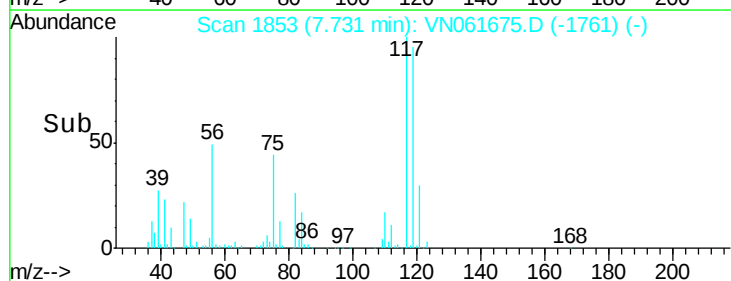
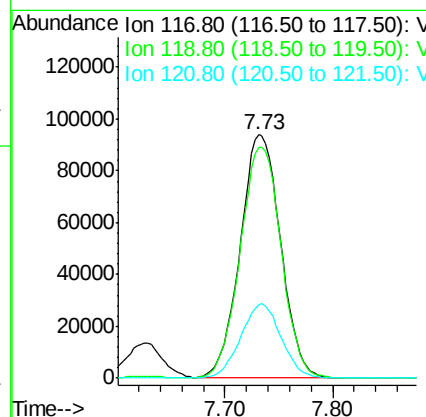
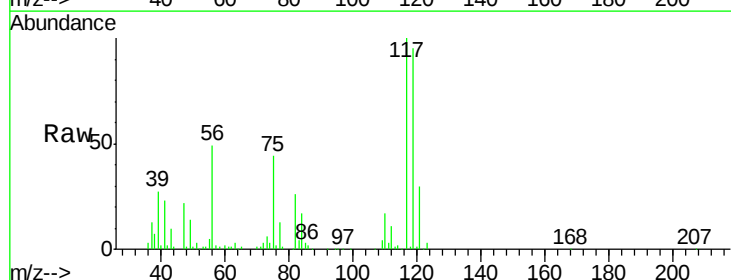
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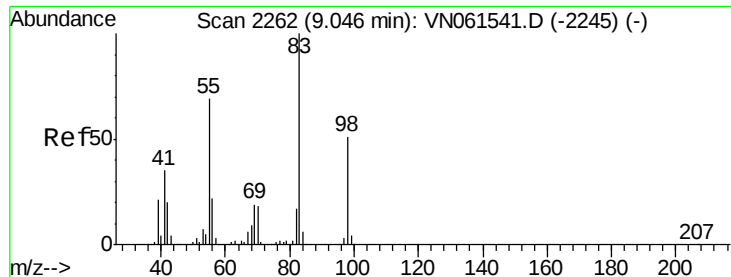
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#38
Carbon Tetrachloride
Concen: 50.645 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN061675.D
Acq: 5 Jun 2020 17:27

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.7	76.5	114.7
121	30.3	24.1	36.1





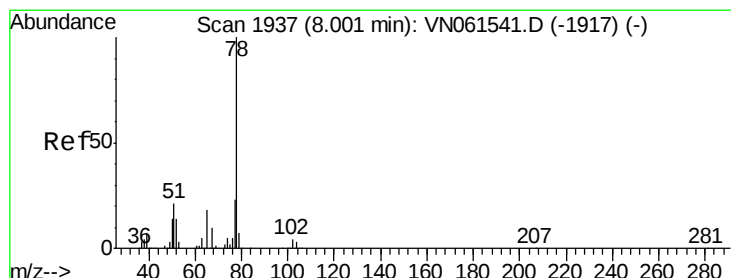
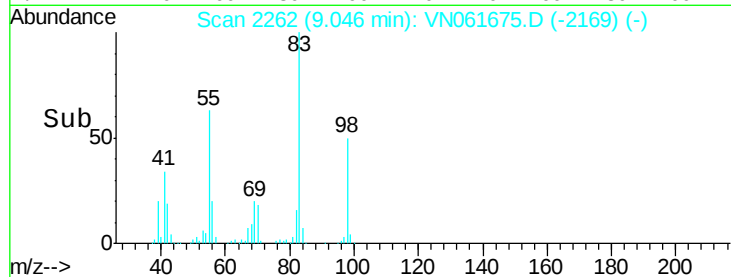
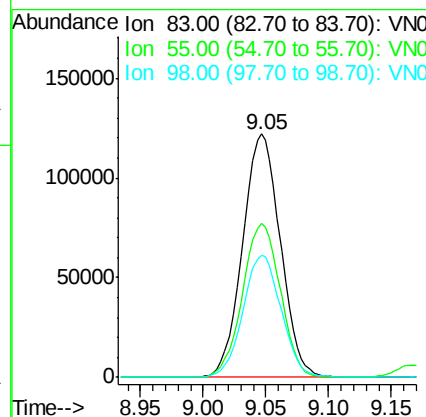
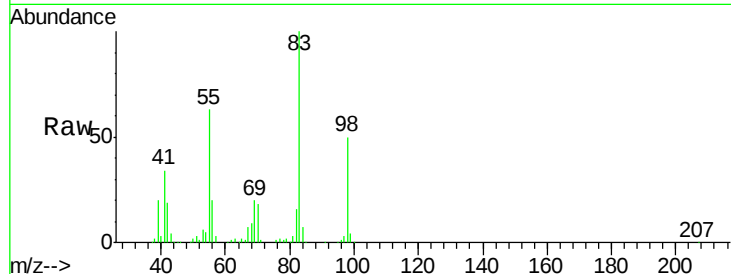
#39
Methvlcvclohexane
Concen: 41.589 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VN061675.D
Acq: 5 Jun 2020 17:27

Instrument :
MSVOA_N
ClientSampleId :
VE-4-11MSD

Tot Ion	Ratio	Lower	Upper
83	100		
55	63.0	54.9	82.3
98	50.4	41.0	61.4

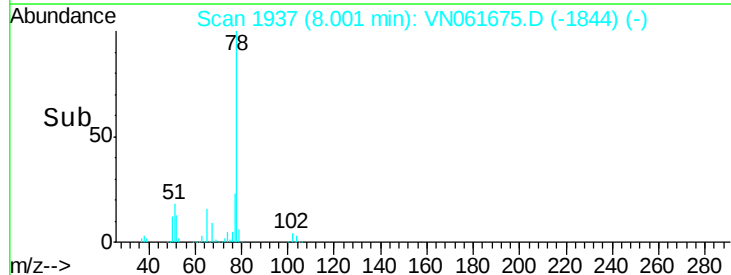
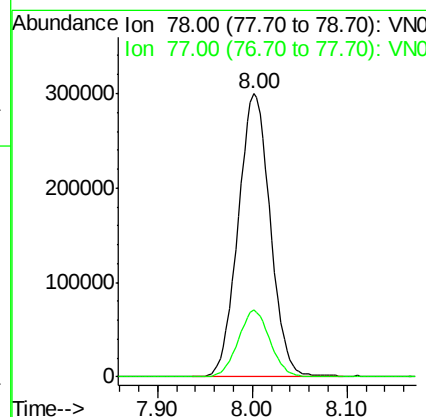
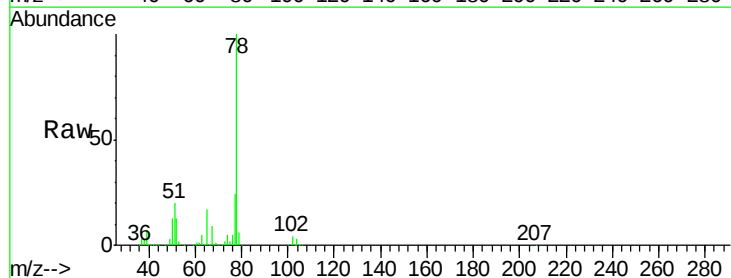
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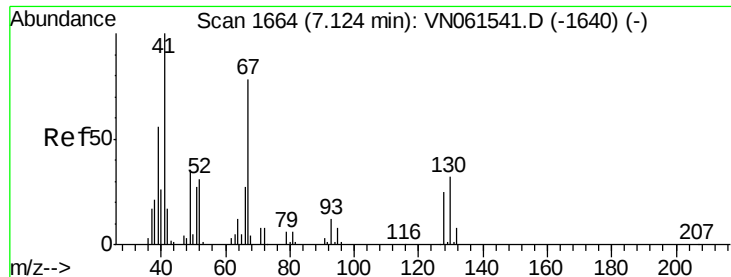
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#40
Benzene
Concen: 46.054 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VN061675.D
Acq: 5 Jun 2020 17:27

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.6	28.0





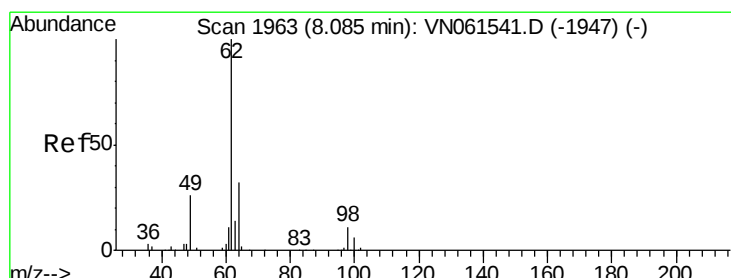
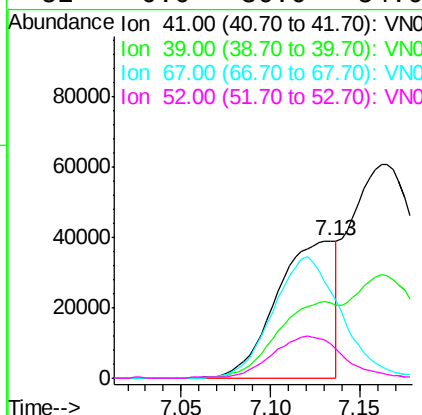
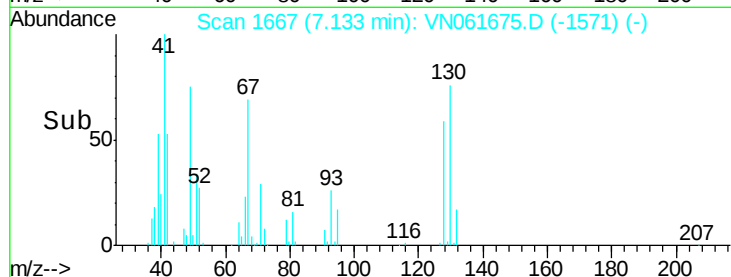
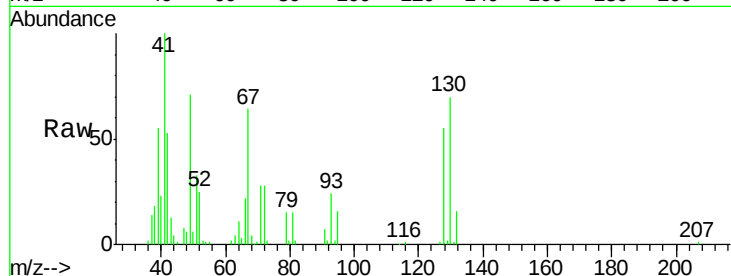
#41
Methacrylonitrile
Concen: 48.871 ug/l m
RT: 7.13 min Scan# 1667
Delta R.T. 0.01 min
Lab File: VN061675.D
Acq: 5 Jun 2020 17:27

Instrument :
MSVOA_N
ClientSampled :
VE-4-11MSD

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	53.8	80.6#
67	0.0	91.1	136.7#
52	0.0	36.0	54.0#

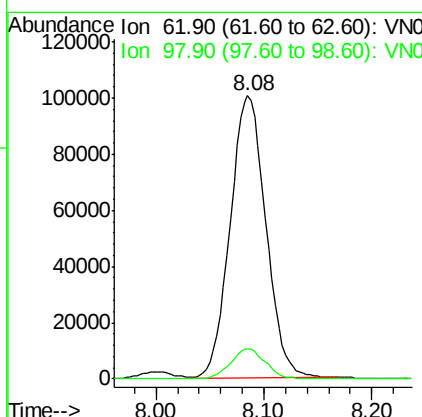
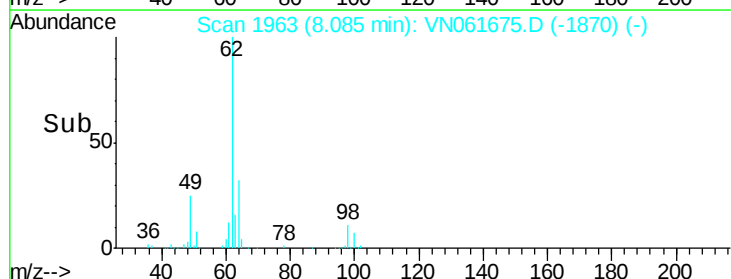
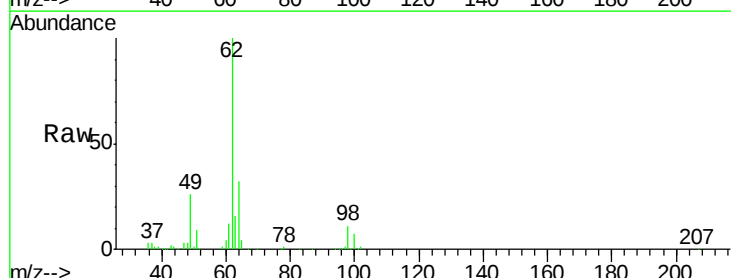
Manual Integrations
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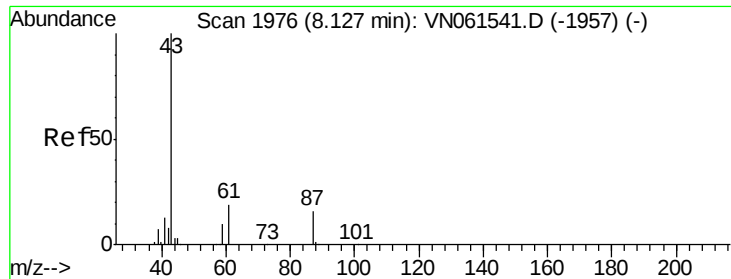
MMDadoda
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#42
1,2-Dichloroethane
Concen: 45.090 ug/l
RT: 8.08 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VN061675.D
Acq: 5 Jun 2020 17:27

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	21.4





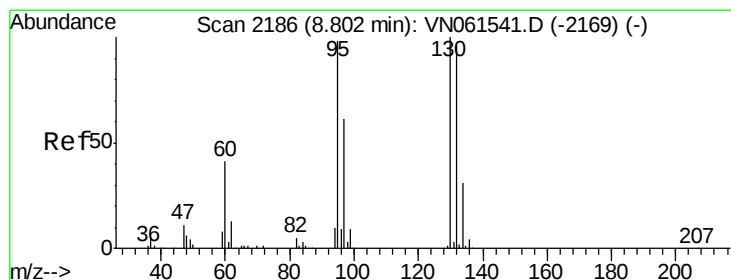
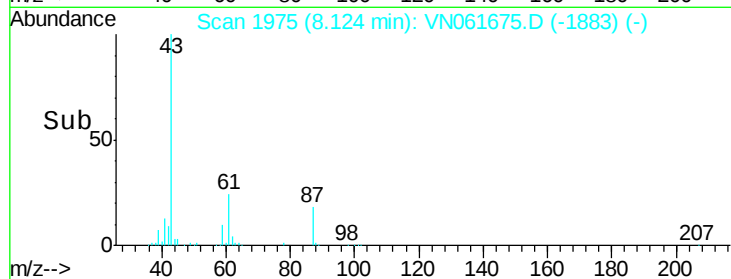
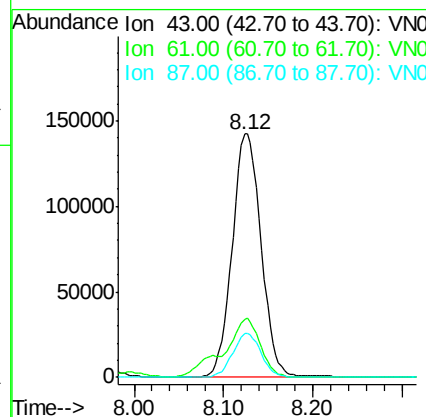
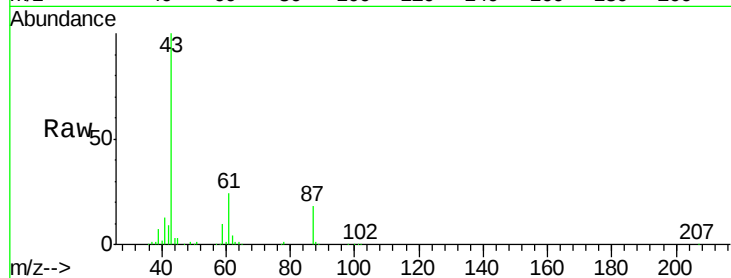
#43
Isopropyl Acetate
Concen: 44.156 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN061675.D
Acq: 5 Jun 2020 17:27

Instrument :
MSVOA_N
ClientSampleId :
VE-4-11MSD

Tot Ion	Ratio	Resp	Lower	Upper
43	100	318596		
61	30.6		23.6	35.4
87	17.8		13.0	19.6

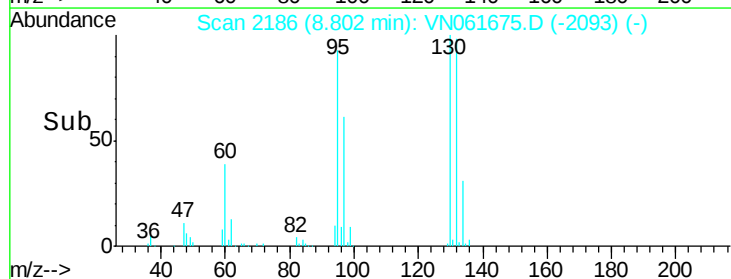
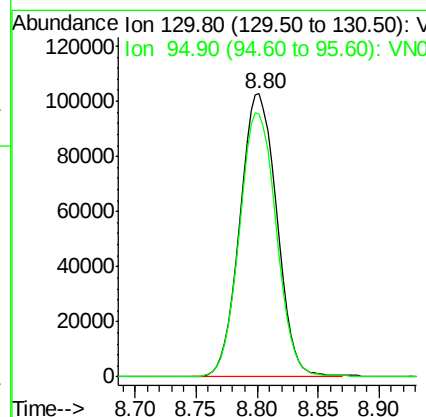
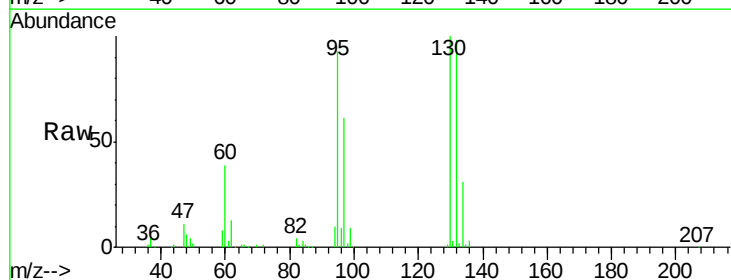
Manual Integrations
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6/8/2020 11:49:11 AM



#44
Trichloroethene
Concen: 45.614 ug/l
RT: 8.80 min Scan# 2186
Delta R.T. 0.00 min
Lab File: VN061675.D
Acq: 5 Jun 2020 17:27

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	215366		
95	93.0		0.0	196.6





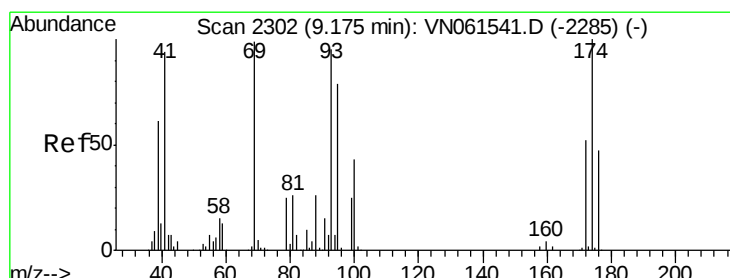
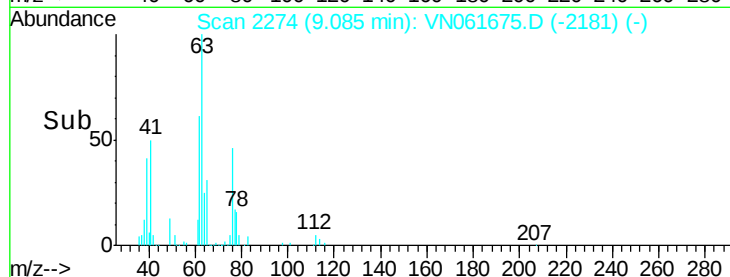
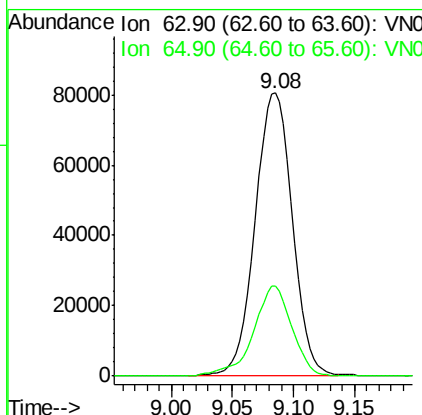
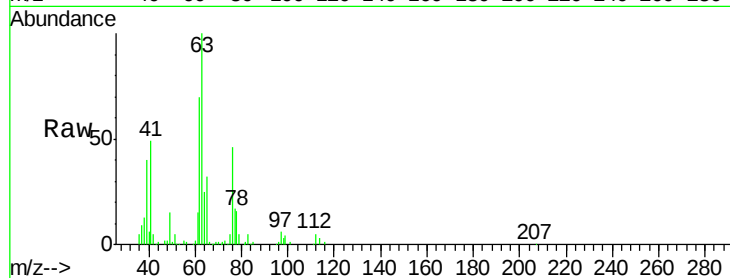
#45
 1,2-Dichloropropane
 Concen: 46.762 ug/l
 RT: 9.08 min Scan# 2274
 Delta R.T. 0.00 min
 Lab File: VN061675.D
 Acq: 5 Jun 2020 17:27

Instrument :
 MSVOA_N
 ClientSampled :
 VE-4-11MSD

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.9	24.7	37.1

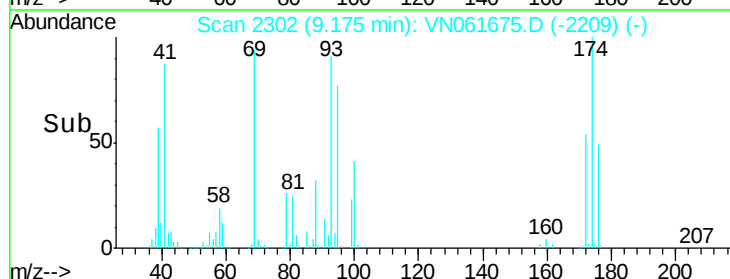
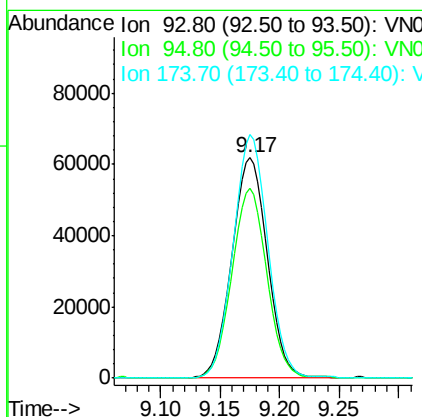
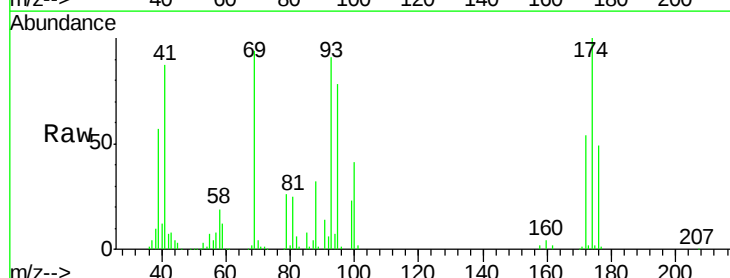
Manual Integrations
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#46
 Dibromomethane
 Concen: 45.948 ug/l
 RT: 9.17 min Scan# 2302
 Delta R.T. 0.00 min
 Lab File: VN061675.D
 Acq: 5 Jun 2020 17:27

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.7	66.0	99.0
174	108.0	82.5	123.7





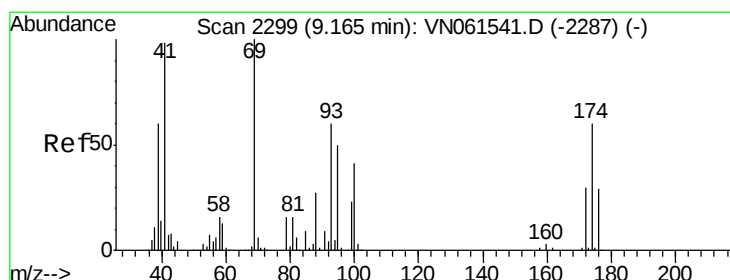
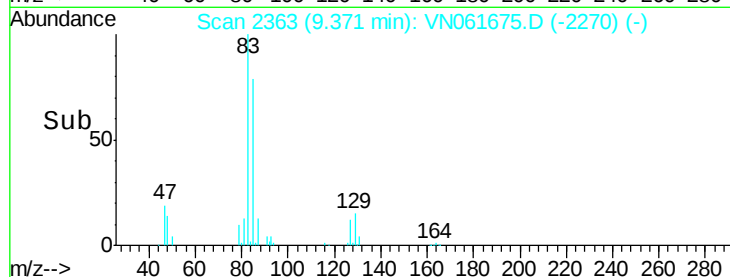
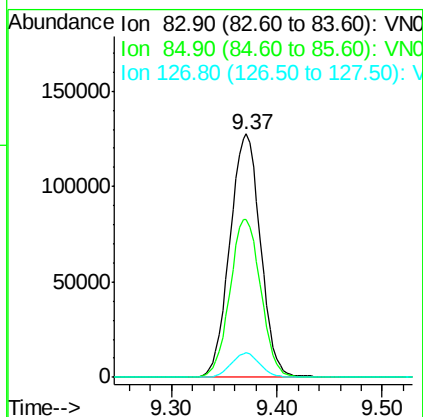
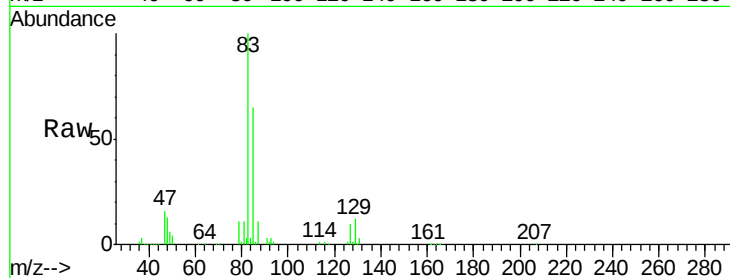
#47
Bromodichloromethane
Concen: 46.248 ug/l
RT: 9.37 min Scan# 2363
Delta R.T. 0.00 min
Lab File: VN061675.D
Acq: 5 Jun 2020 17:27

Instrument :
MSVOA_N
ClientSampleId :
VE-4-11MSD

Tot Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.1	76.7
127	10.1	7.2	10.8

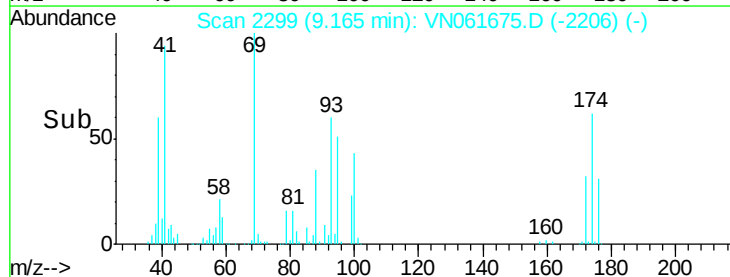
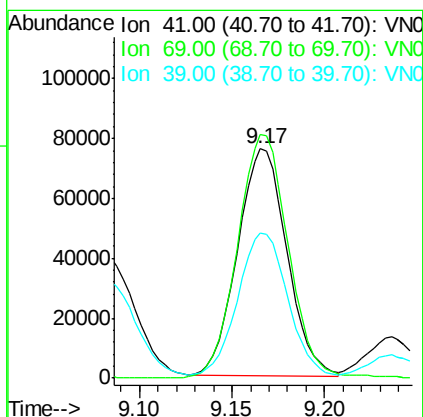
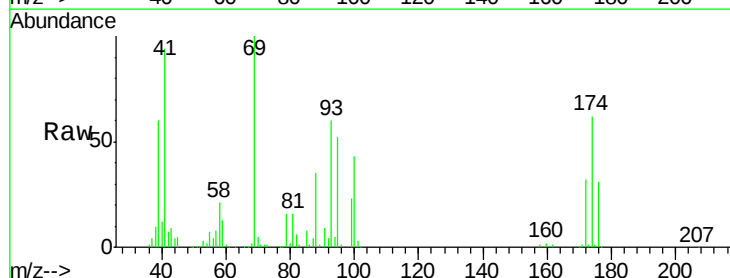
Manual Integrations
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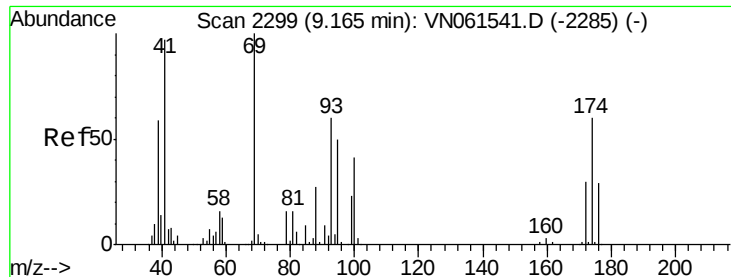
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#48
Methyl methacrylate
Concen: 43.070 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. 0.00 min
Lab File: VN061675.D
Acq: 5 Jun 2020 17:27

Tgt Ion	Ratio	Lower	Upper
41	100		
69	110.2	83.9	125.9
39	65.6	52.1	78.1





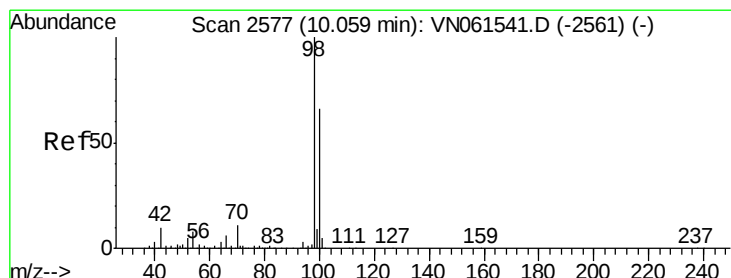
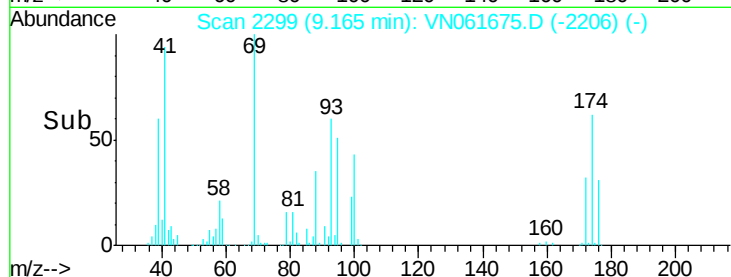
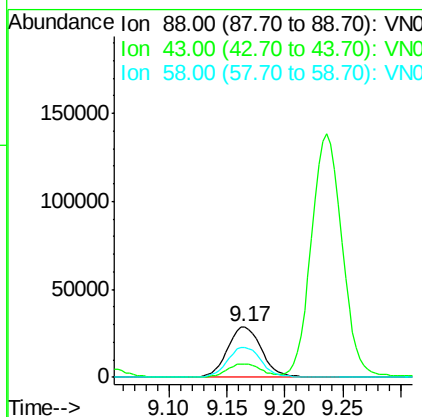
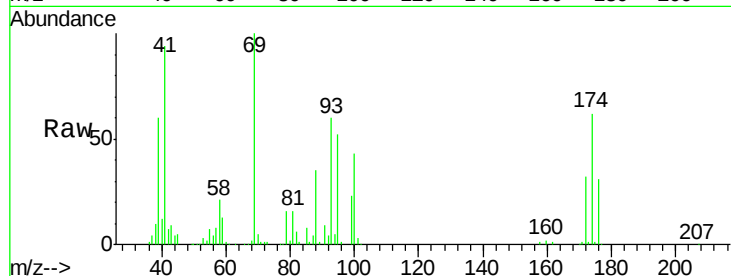
#49
 1,4-Dioxane
 Concen: 1175.767 ug/l
 RT: 9.17 min Scan# 2299
 Delta R.T. 0.00 min
 Lab File: VN061675.D
 Acq: 5 Jun 2020 17:27

Instrument :
 MSVOA_N
 ClientSampled :
 VE-4-11MSD

Tot Ion	88	Resp	59129
Ion	Ratio	Lower	Upper
88	100		
43	27.1	23.1	34.7
58	58.5	48.3	72.5

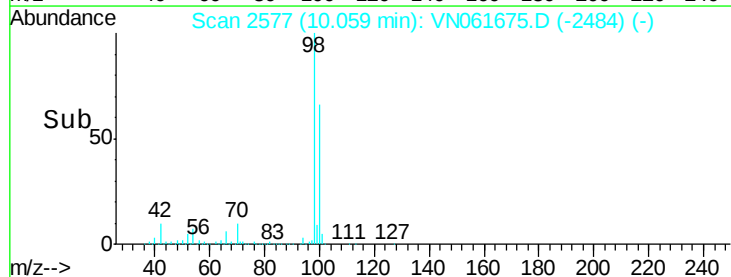
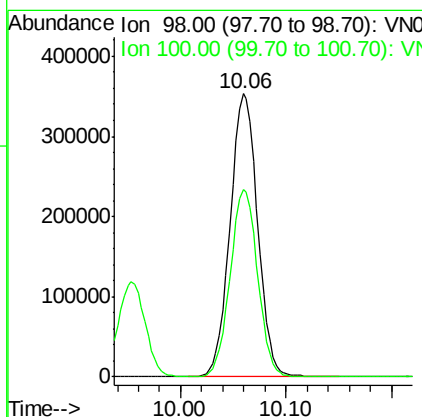
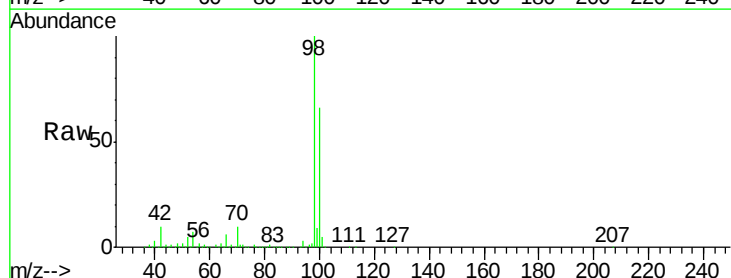
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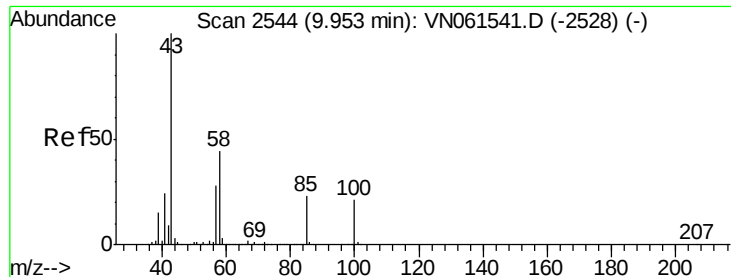
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#50
 Toluene-d8
 Concen: 48.265 ug/l
 RT: 10.06 min Scan# 2577
 Delta R.T. 0.00 min
 Lab File: VN061675.D
 Acq: 5 Jun 2020 17:27

Tgt Ion	98	Resp	638172
Ion	Ratio	Lower	Upper
98	100		
100	66.3	52.8	79.2





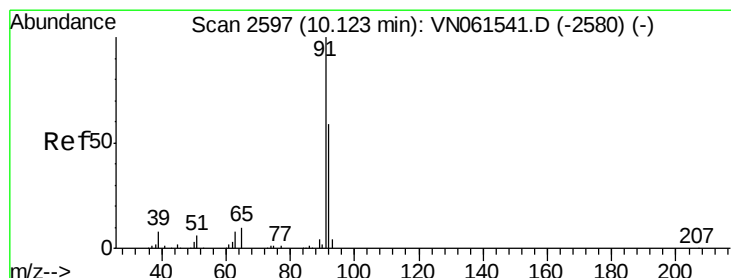
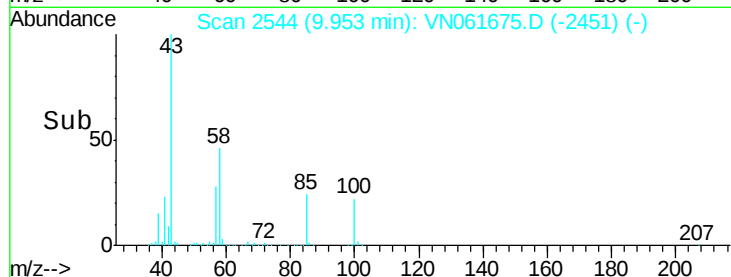
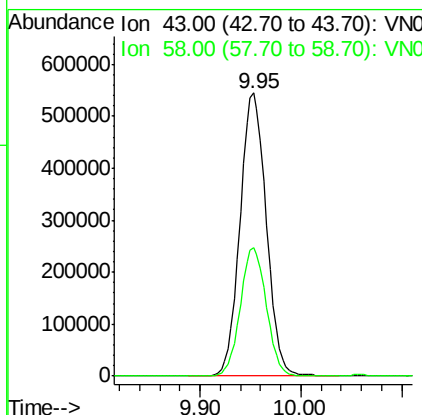
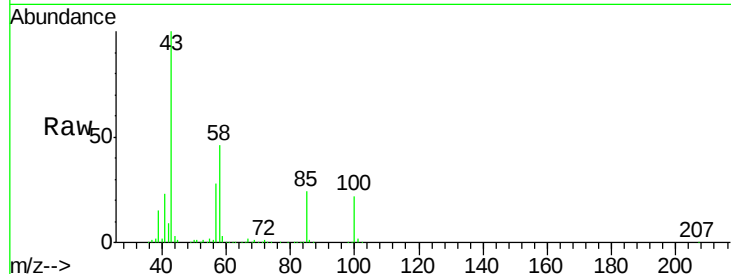
#51
4-Methyl-2-Pentanone
Concen: 240.580 ug/l
RT: 9.95 min Scan# 2544
Delta R.T. 0.00 min
Lab File: VN061675.D
Acq: 5 Jun 2020 17:27

Instrument :
MSVOA_N
ClientSampled :
VE-4-11MSD

Tot Ion	43	Resp	978186
Ion Ratio	100	Lower	Upper
43	100		
58	45.2	35.0	52.6

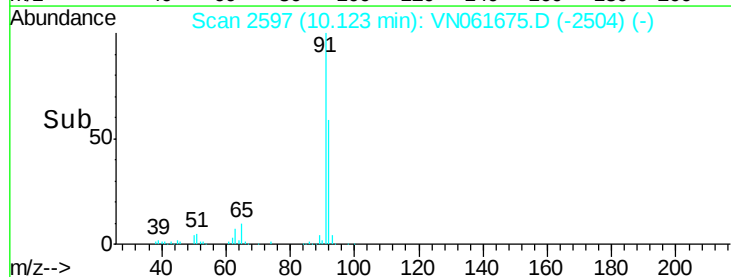
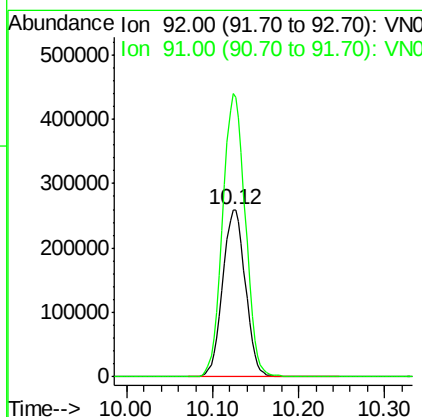
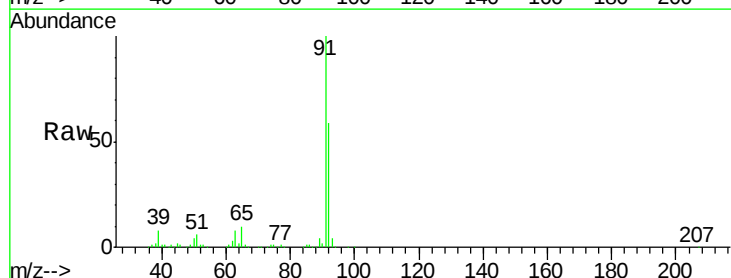
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#52
Toluene
Concen: 47.687 ug/l
RT: 10.12 min Scan# 2597
Delta R.T. 0.00 min
Lab File: VN061675.D
Acq: 5 Jun 2020 17:27

Tgt Ion	92	Resp	478172
Ion Ratio	100	Lower	Upper
92	100		
91	168.9	136.4	204.6





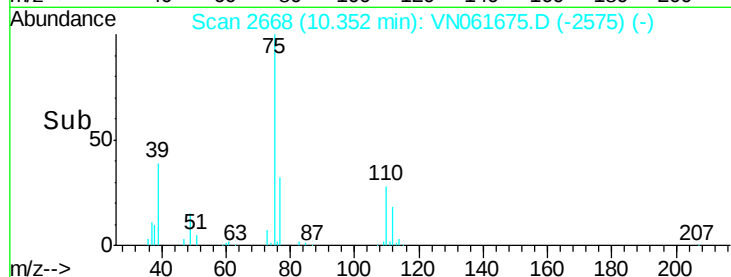
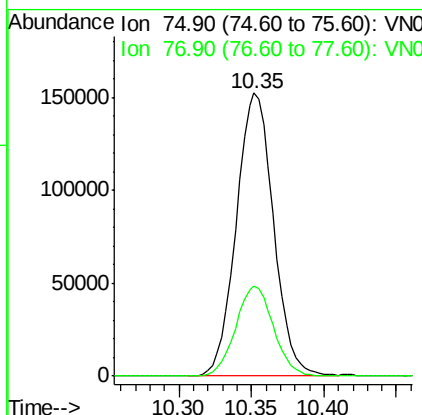
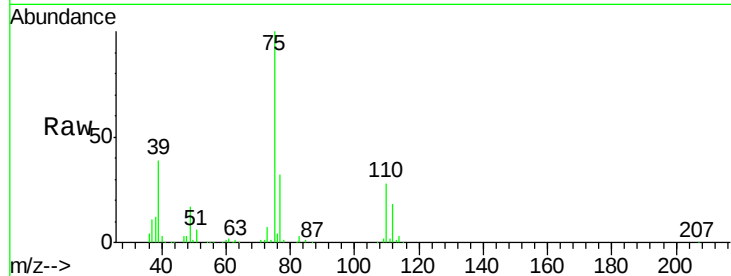
#53
t-1,3-Dichloropropene
Concen: 45.538 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. 0.00 min
Lab File: VN061675.D
Acq: 5 Jun 2020 17:27

Instrument :
MSVOA_N
ClientSampled :
VE-4-11MSD

Tot Ion: 75 Resp: 271930
Ion Ratio Lower Upper
75 100
77 31.8 26.2 39.4

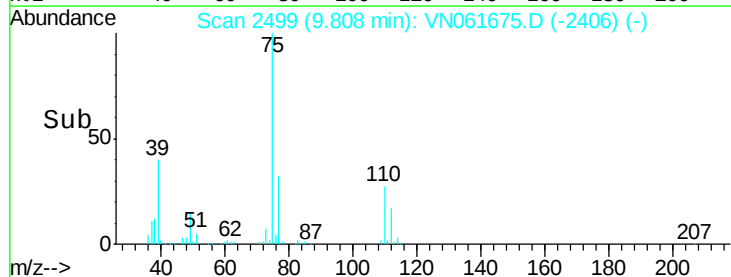
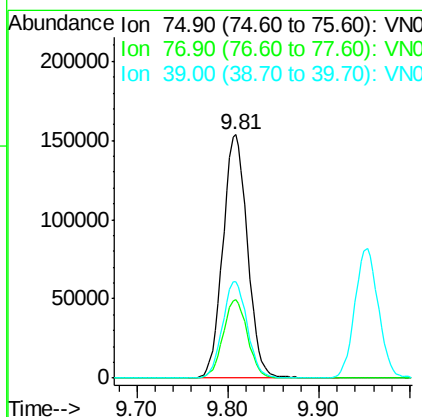
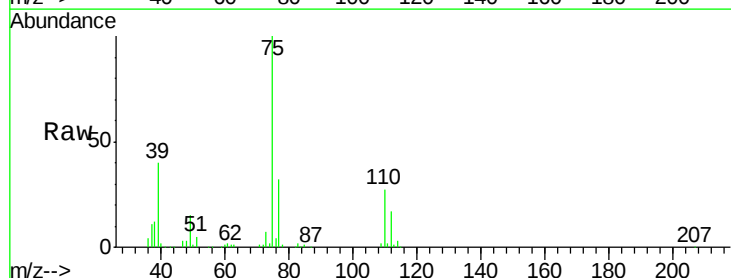
Manual Integrations
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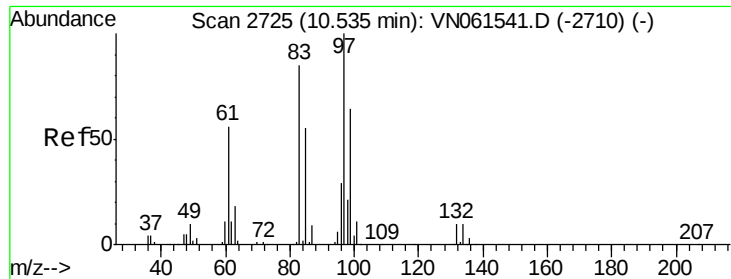
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#54
cis-1,3-Dichloropropene
Concen: 44.919 ug/l
RT: 9.81 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VN061675.D
Acq: 5 Jun 2020 17:27

Tgt Ion: 75 Resp: 288413
Ion Ratio Lower Upper
75 100
77 32.3 25.4 38.2
39 39.8 33.8 50.6





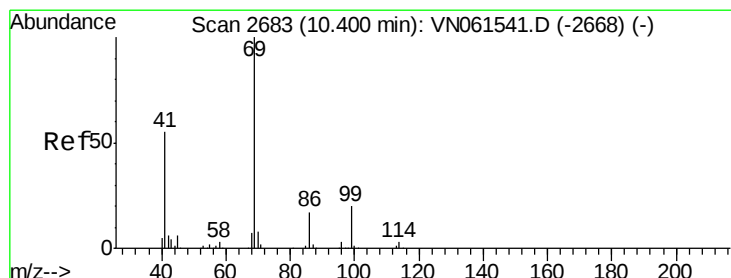
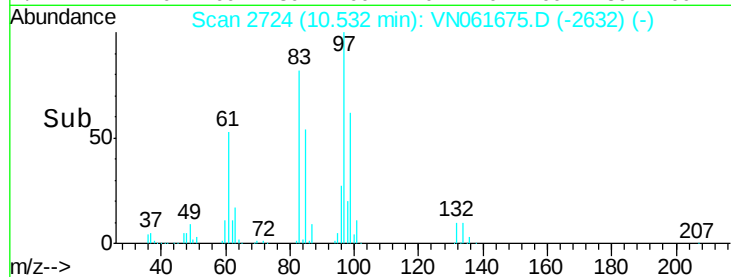
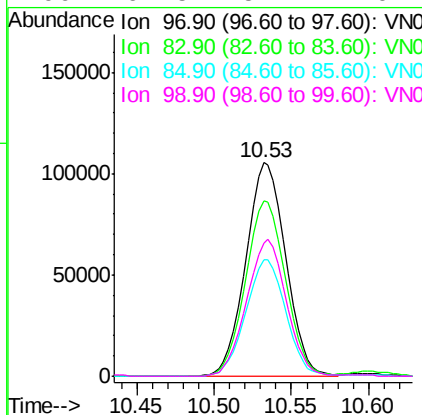
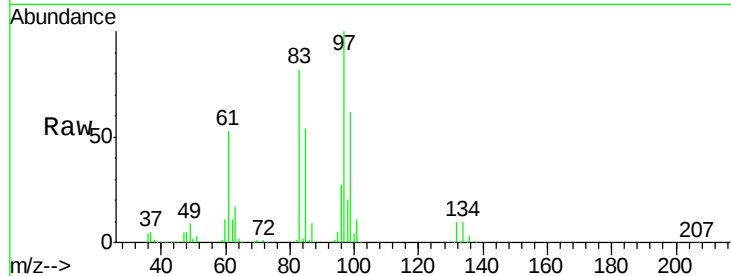
#55
 1,1,2-Trichloroethane
 Concen: 47.458 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN061675.D
 Acq: 5 Jun 2020 17:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VE-4-11MSD

Tot Ion:	97	Resp:	189592
Ion	Ratio	Lower	Upper
97	100		
83	82.3	68.1	102.1
85	54.3	44.1	66.1
99	62.5	51.1	76.7

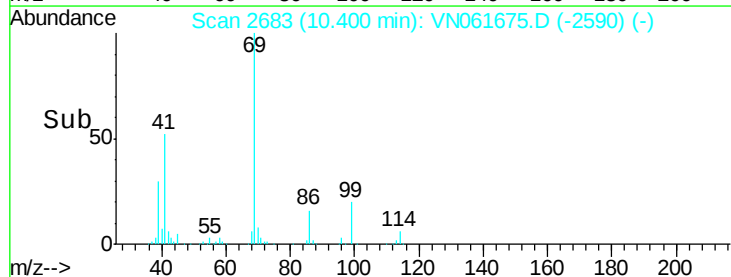
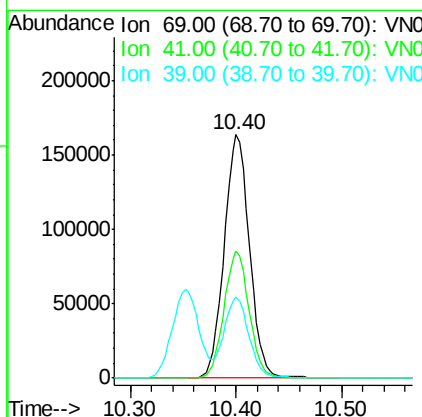
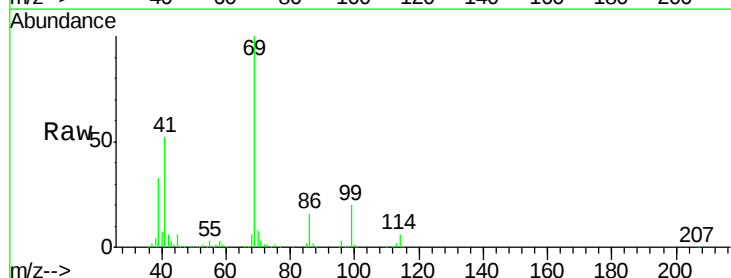
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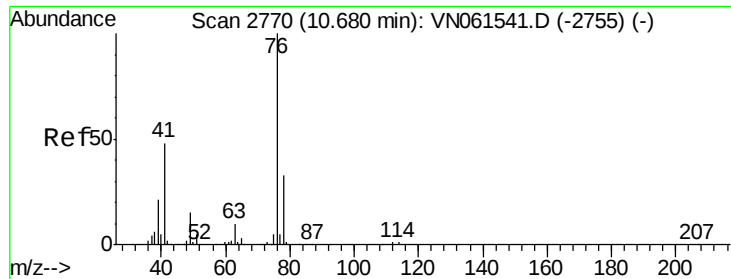
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#56
 Ethyl methacrylate
 Concen: 48.564 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. 0.00 min
 Lab File: VN061675.D
 Acq: 5 Jun 2020 17:27

Tgt Ion:	69	Resp:	271016
Ion	Ratio	Lower	Upper
69	100		
41	51.2	43.5	65.3
39	32.5	27.0	40.6





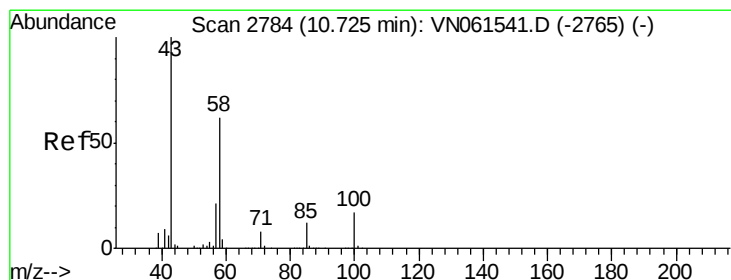
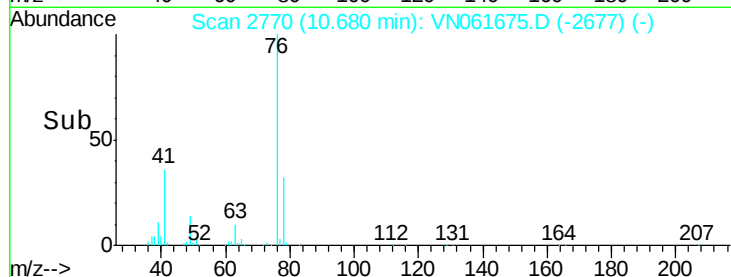
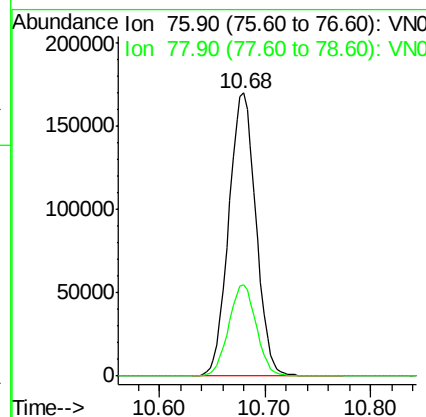
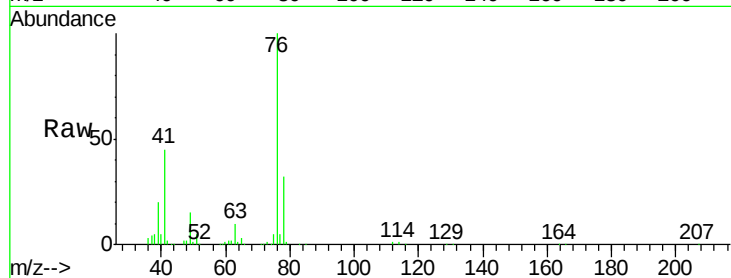
#57
 1,3-Dichloropropane
 Concen: 47.345 ug/l
 RT: 10.68 min Scan# 2770
 Delta R.T. 0.00 min
 Lab File: VN061675.D
 Acq: 5 Jun 2020 17:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VE-4-11MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.7	26.3	39.5

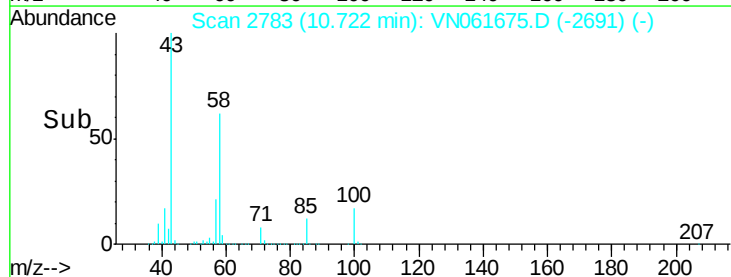
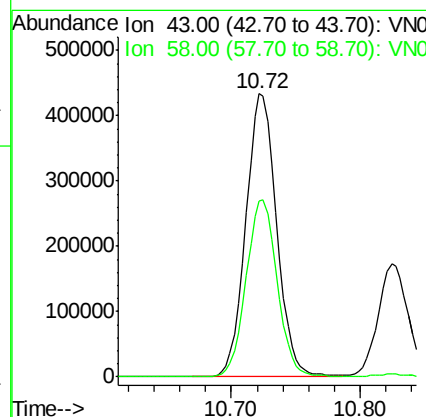
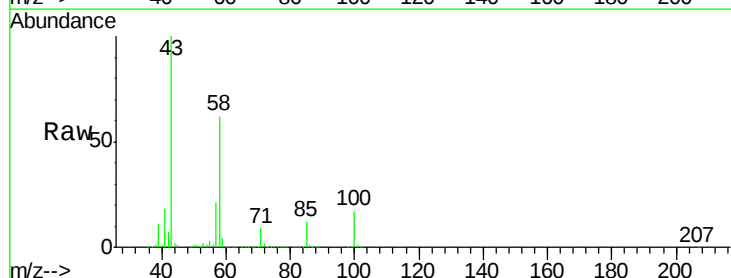
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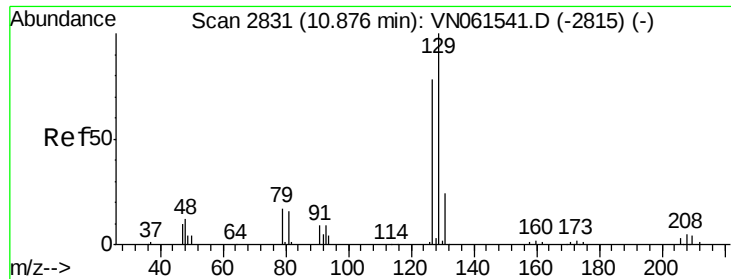
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#59
 2-Hexanone
 Concen: 246.927 ug/l
 RT: 10.72 min Scan# 2783
 Delta R.T. -0.00 min
 Lab File: VN061675.D
 Acq: 5 Jun 2020 17:27

Tgt Ion	Ratio	Lower	Upper
43	100		
58	63.3	30.7	92.1





#60

Dibromochloromethane

Concen: 49.497 ug/l

RT: 10.87 min Scan# 2830

Delta R.T. -0.00 min

Lab File: VN061675.D

Acq: 5 Jun 2020 17:27

Instrument :

MSVOA_N

ClientSampleId :

VE-4-11MSD

Tot Ion:129 Resp: 224800

Ion Ratio Lower Upper

129 100

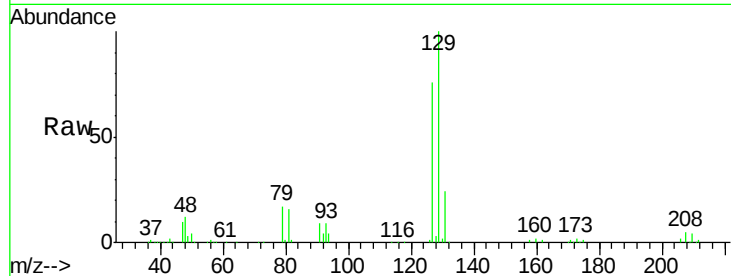
127 76.4 38.8 116.3

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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

10.87

150000

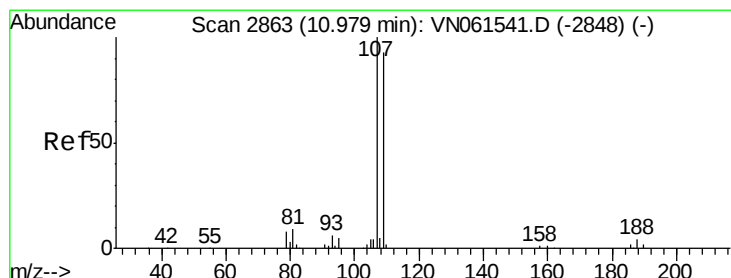
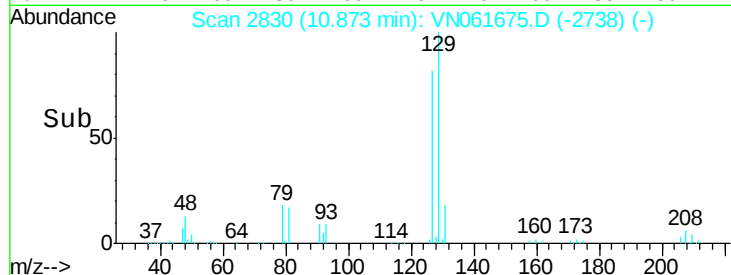
100000

50000

0

Time-->

10.80 10.90 11.00



#61

1,2-Dibromoethane

Concen: 48.817 ug/l

RT: 10.98 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VN061675.D

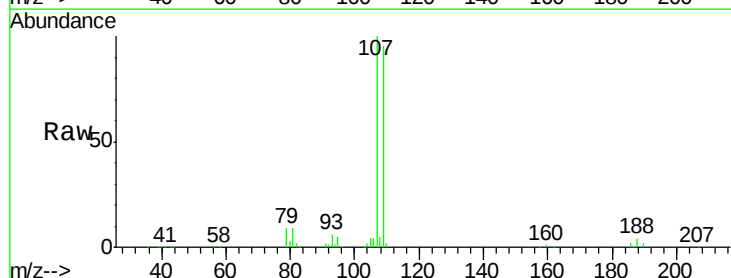
Acq: 5 Jun 2020 17:27

Tgt Ion:107 Resp: 203398

Ion Ratio Lower Upper

107 100

109 94.8 76.1 114.1



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

10.98

120000

100000

80000

60000

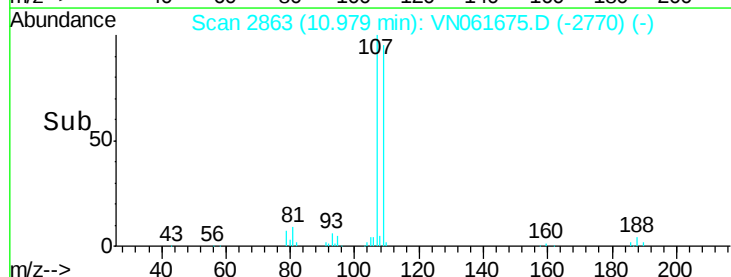
40000

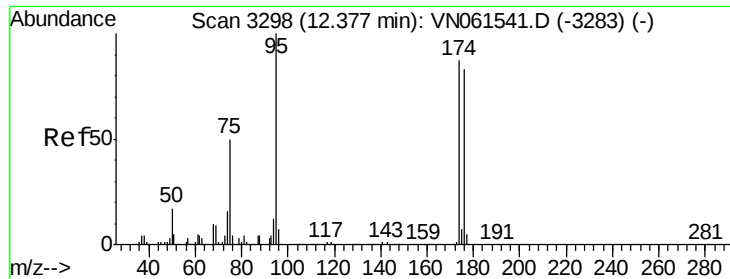
20000

0

Time-->

10.90 11.00





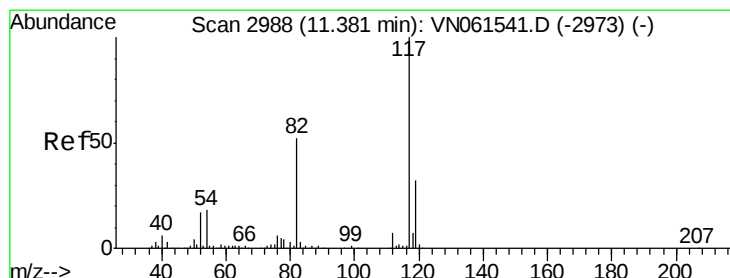
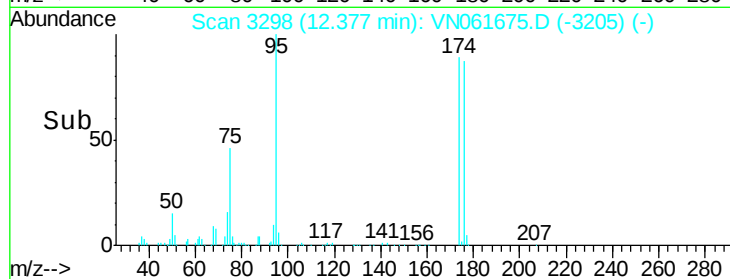
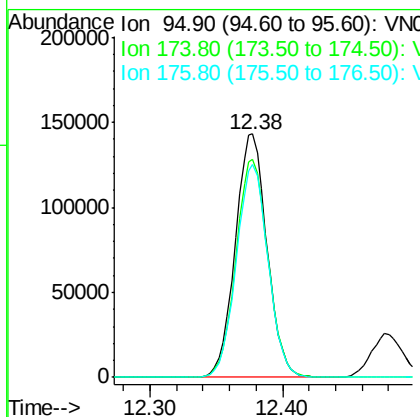
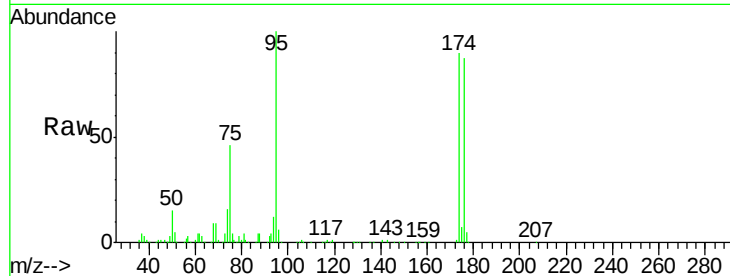
#62
4-Bromofluorobenzene
Concen: 49.129 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.00 min
Lab File: VN061675.D
Acq: 5 Jun 2020 17:27

Instrument :
MSVOA_N
ClientSampleId :
VE-4-11MSD

Tot Ion	Ratio	Resp	Lower	Upper
95	100	236997		
174	90.4	0.0	172.8	
176	87.6	0.0	164.8	

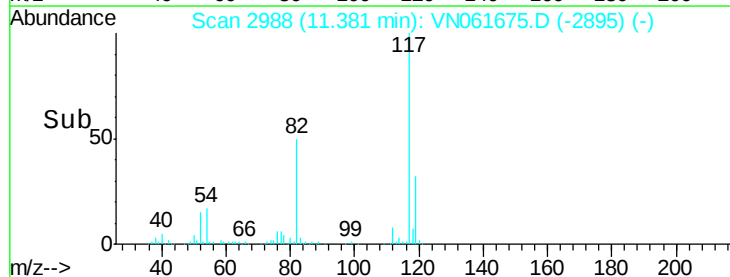
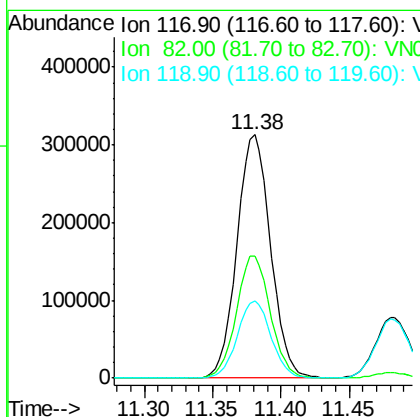
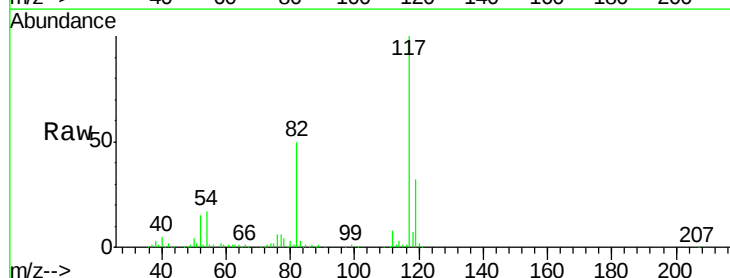
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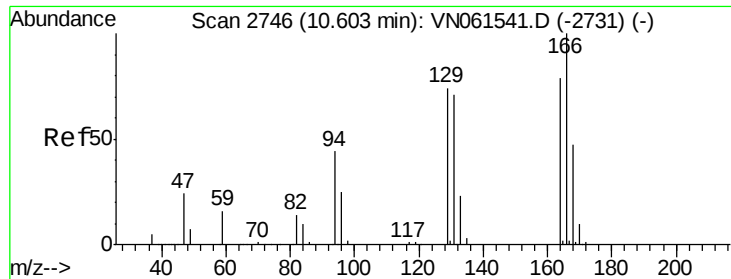
MMDadoda
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN061675.D
Acq: 5 Jun 2020 17:27

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	536224		
82	50.3	41.5	62.3	
119	31.5	25.6	38.4	





#64

Tetrachloroethene

Concen: 43.580 ug/l

RT: 10.60 min Scan# 2746

Delta R.T. 0.00 min

Lab File: VN061675.D

Acq: 5 Jun 2020 17:27

Instrument :

MSVOA_N

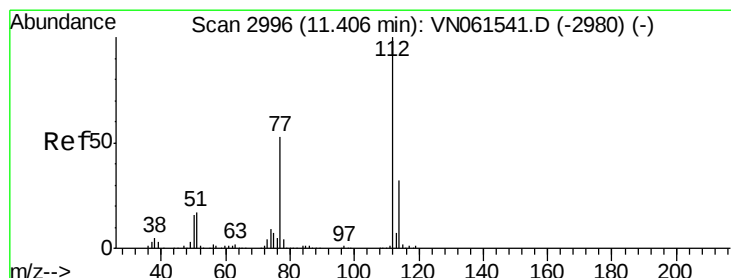
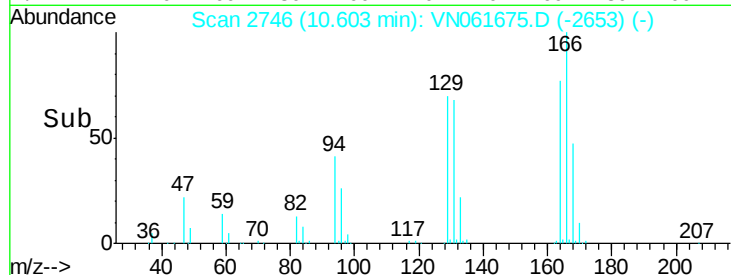
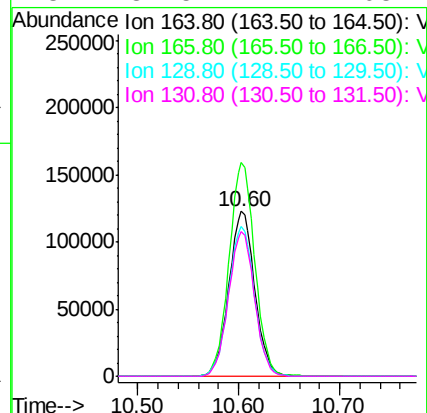
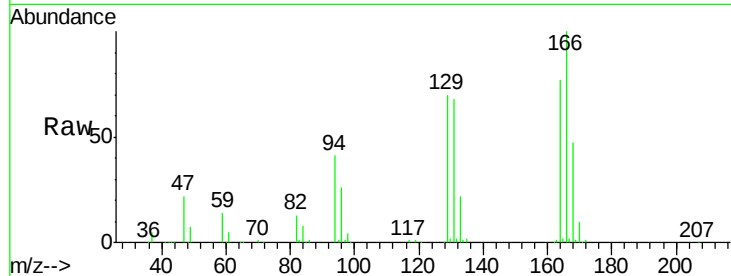
ClientSampleId :

VE-4-11MSD

Tot Ion	164	Resp	219971
Ion Ratio	Lower	Upper	
164	100		
166	129.4	101.5	152.3
129	90.5	74.9	112.3
131	87.5	72.2	108.2

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#65

Chlorobenzene

Concen: 47.500 ug/l

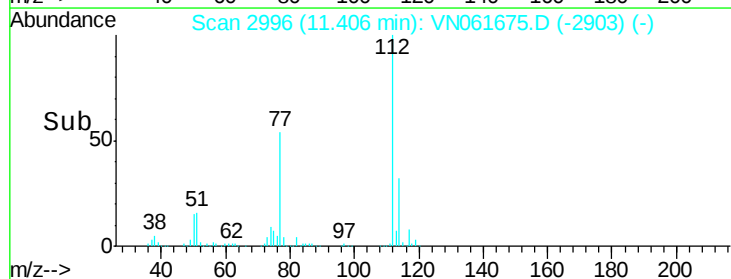
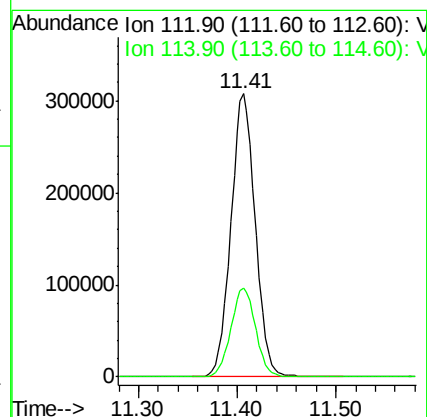
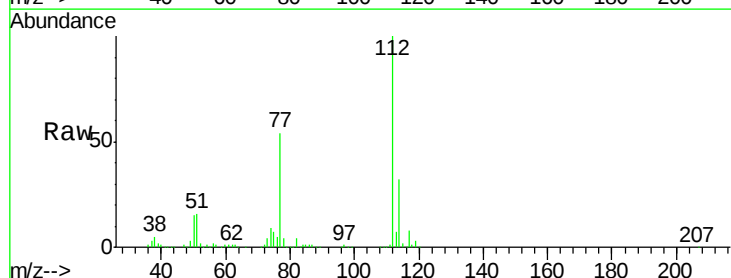
RT: 11.41 min Scan# 2996

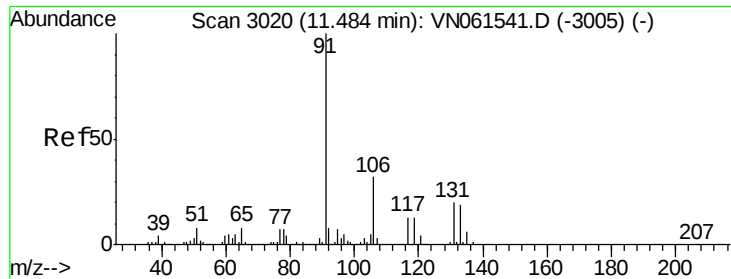
Delta R.T. 0.00 min

Lab File: VN061675.D

Acq: 5 Jun 2020 17:27

Tgt Ion	112	Resp	529438
Ion Ratio	Lower	Upper	
112	100		
114	31.5	25.7	38.5





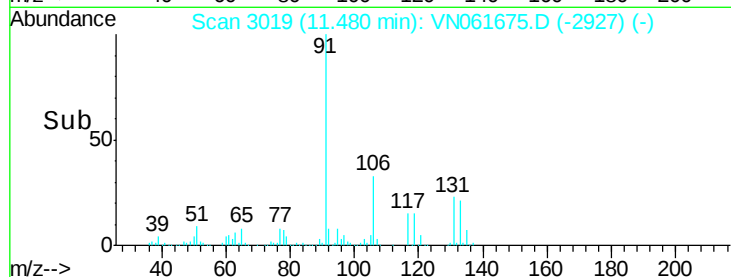
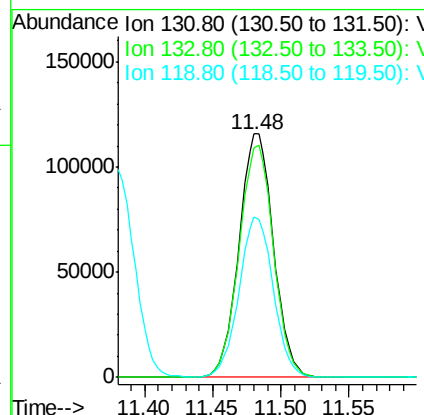
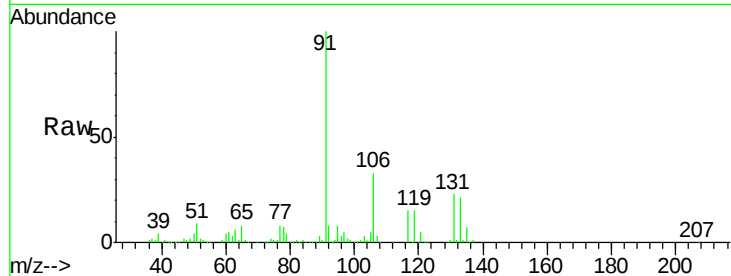
#66
 1,1,1,2-Tetrachloroethane
 Concen: 48.877 ug/l
 RT: 11.48 min Scan# 3019
 Delta R.T. -0.00 min
 Lab File: VN061675.D
 Acq: 5 Jun 2020 17:27

Instrument :
 MSVOA_N
 ClientSampled :
 VE-4-11MSD

Tot Ion	Ratio	Resp	Lower	Upper
131	100	202853		
133	95.4	47.4	142.2	
119	65.7	32.6	97.8	

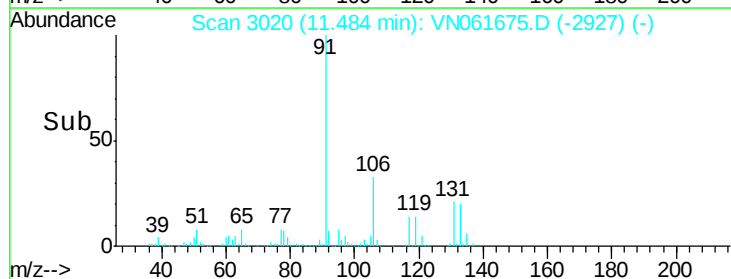
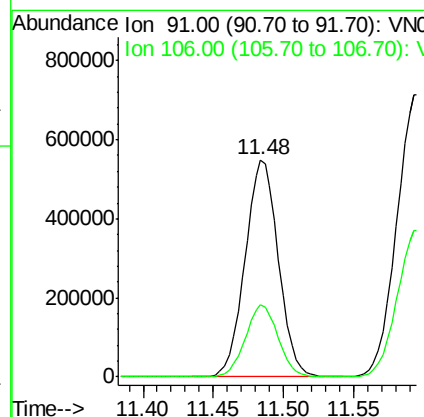
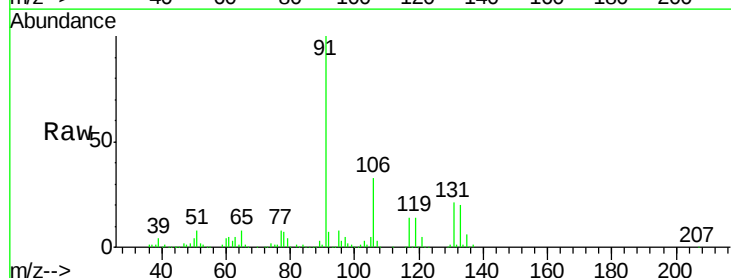
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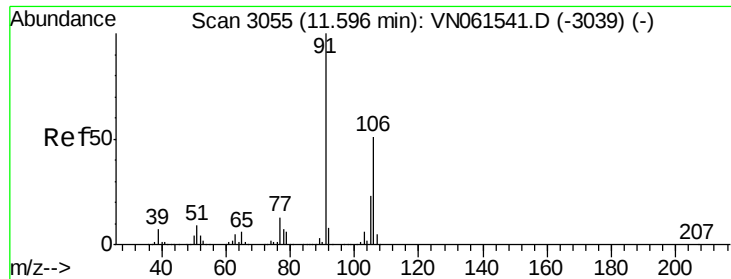
MMDadoda
 6/8/2020 11:49:11 AM



#67
 Ethyl Benzene
 Concen: 46.972 ug/l
 RT: 11.48 min Scan# 3020
 Delta R.T. 0.00 min
 Lab File: VN061675.D
 Acq: 5 Jun 2020 17:27

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	904917		
106	33.1	25.6	38.4	





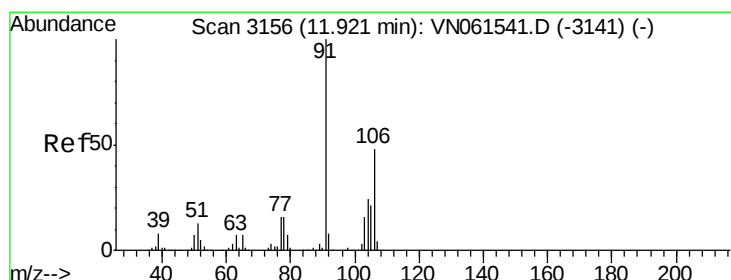
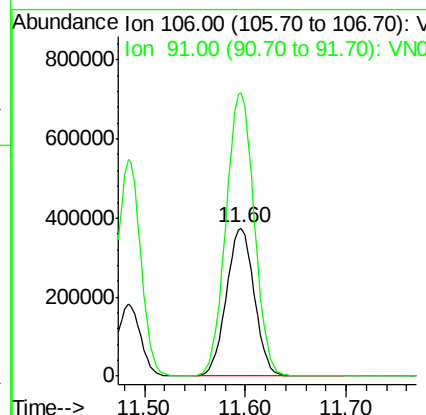
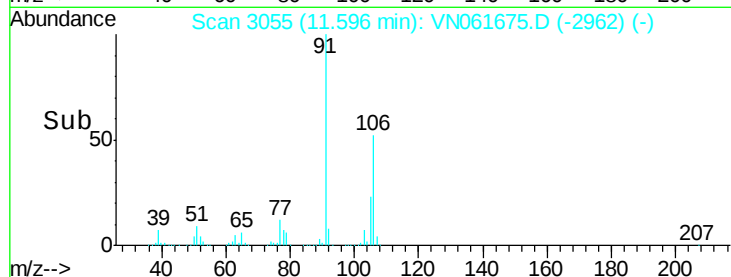
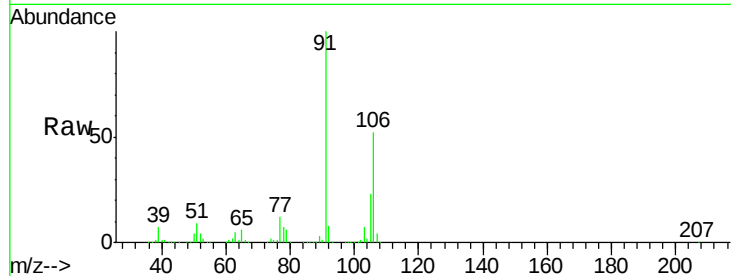
#68
m/p-Xylenes
Concen: 94.561 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VN061675.D
Acq: 5 Jun 2020 17:27

Instrument :
MSVOA_N
ClientSampled :
VE-4-11MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		722313		
91	194.0	156.2	234.4		

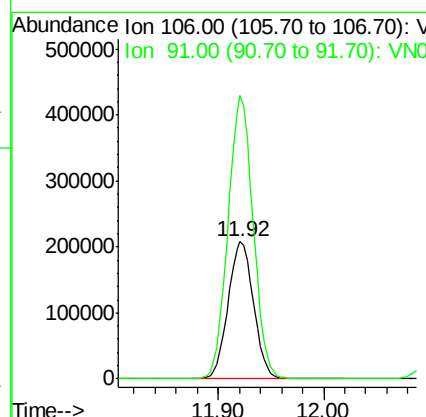
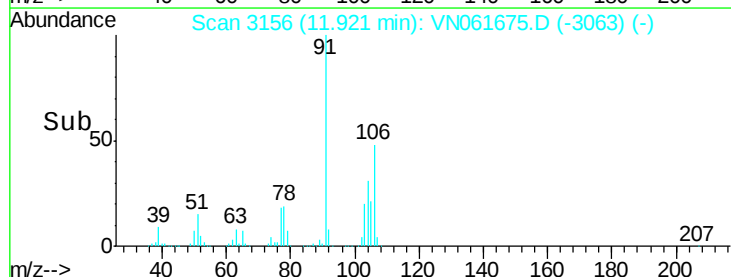
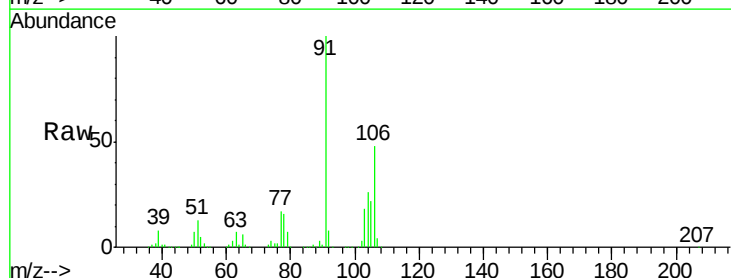
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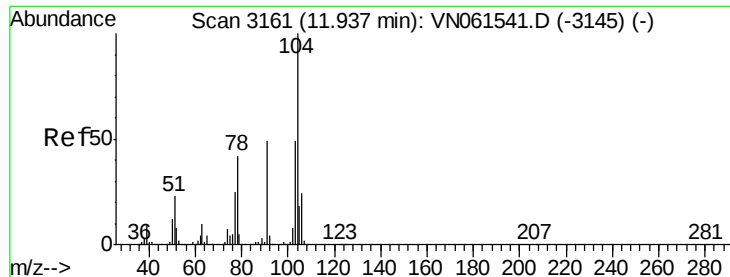
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#69
o-Xylene
Concen: 47.693 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN061675.D
Acq: 5 Jun 2020 17:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100		346019		
91	204.3	103.3	309.8		





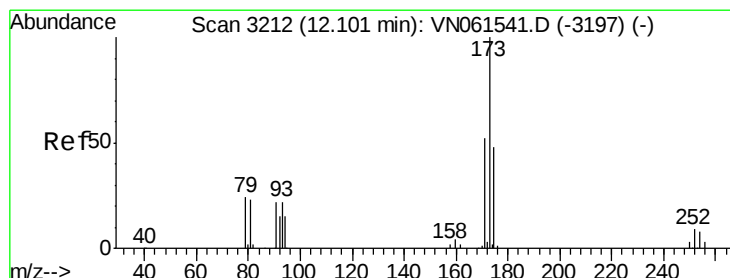
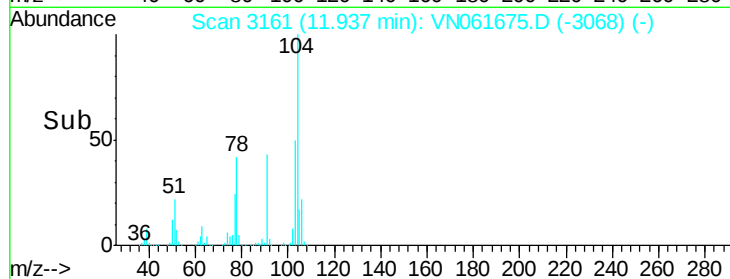
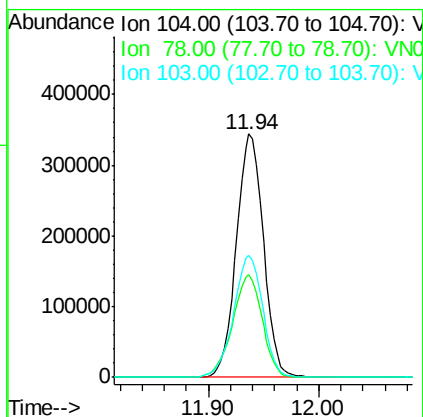
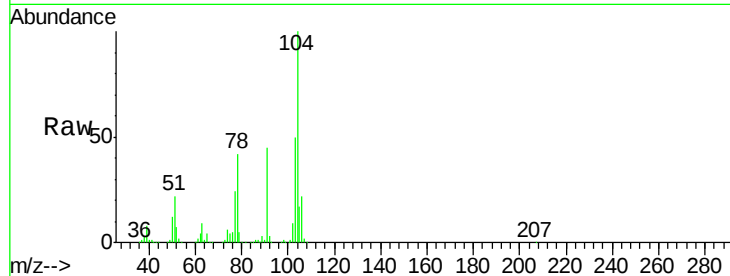
#70
Stvrene
Concen: 48.839 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VN061675.D
Acq: 5 Jun 2020 17:27

Instrument :
MSVOA_N
ClientSampled :
VE-4-11MSD

Tot Ion	Ratio	Lower	Upper
104	100		
78	46.1	37.4	56.0
103	54.0	42.3	63.5

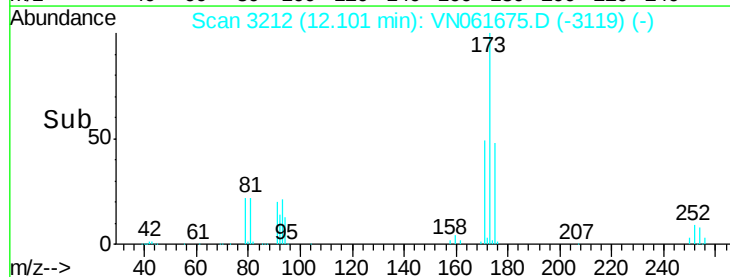
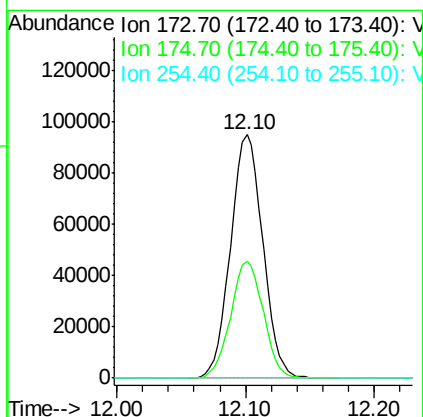
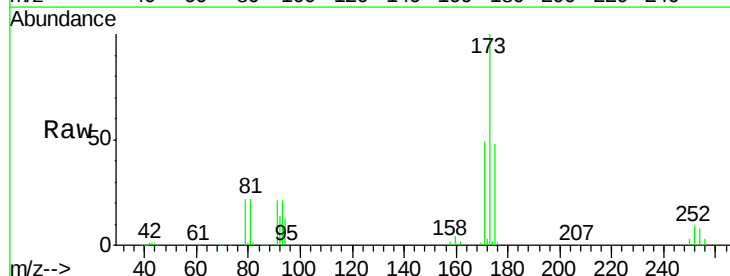
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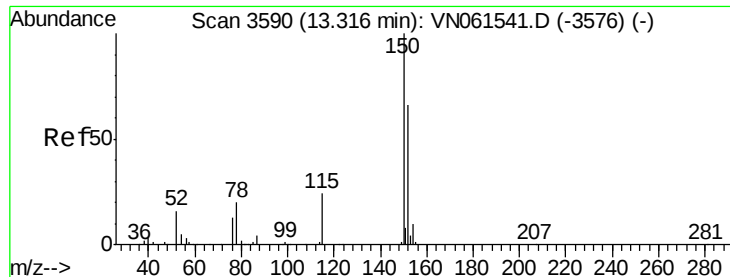
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#71
Bromoform
Concen: 51.606 ug/l
RT: 12.10 min Scan# 3212
Delta R.T. 0.00 min
Lab File: VN061675.D
Acq: 5 Jun 2020 17:27

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.4	73.2
254	0.1	0.0	0.0#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3590

Delta R.T. 0.00 min

Lab File: VN061675.D

Acq: 5 Jun 2020 17:27

Instrument :

MSVOA_N

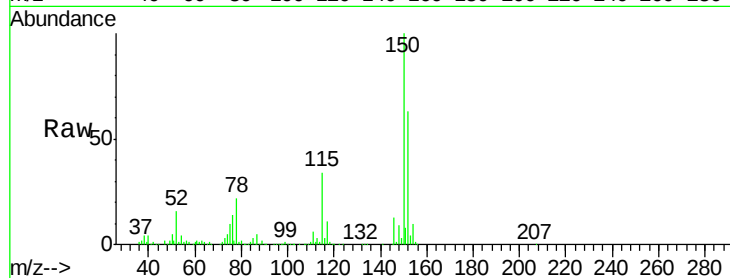
ClientSampled :

VE-4-11MSD

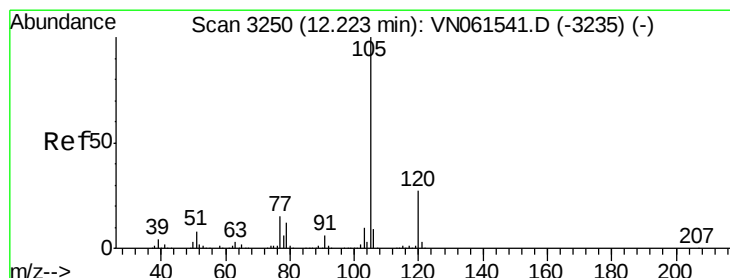
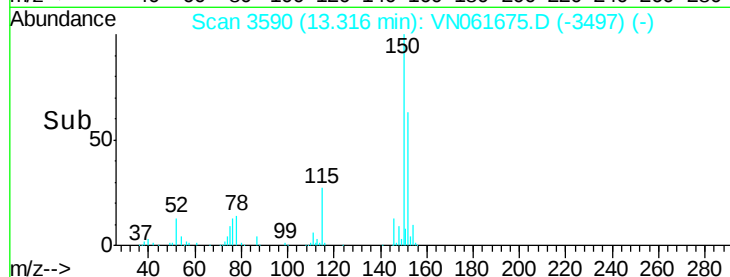
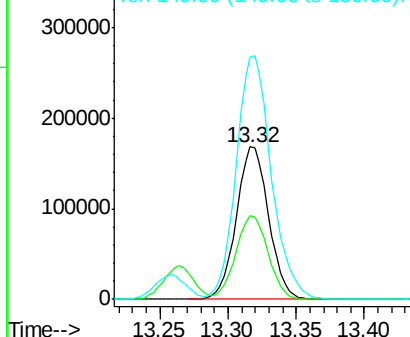
Tot Ion	Ratio	Lower	Upper
152	100		
115	55.0	28.0	84.0
150	174.1	0.0	344.0

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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: 45.328 ug/l

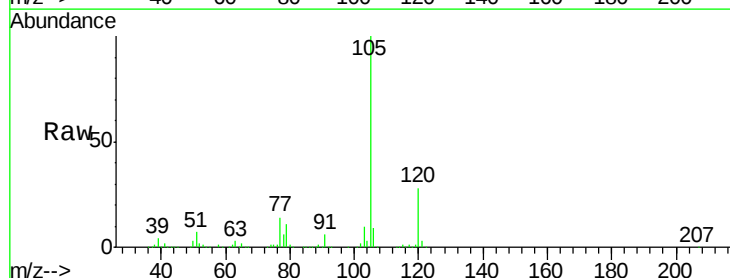
RT: 12.22 min Scan# 3250

Delta R.T. 0.00 min

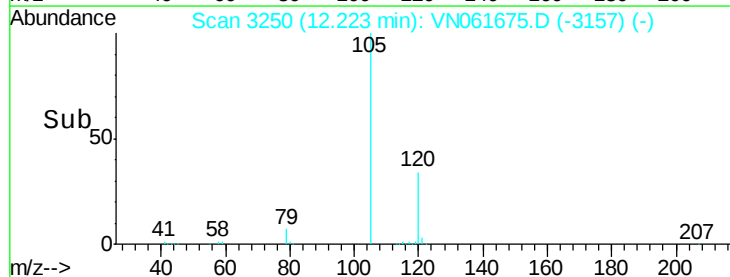
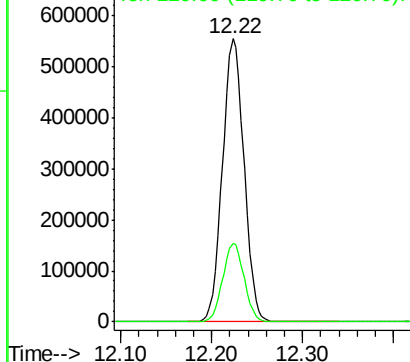
Lab File: VN061675.D

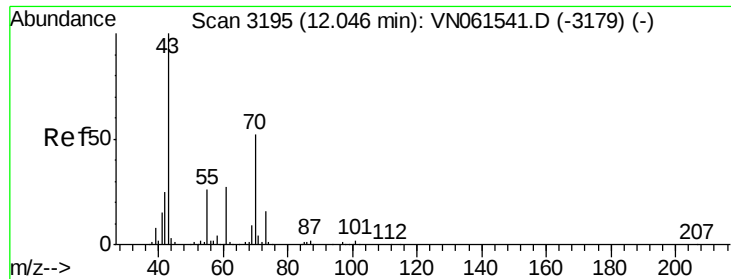
Acq: 5 Jun 2020 17:27

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.4	13.8	41.3



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 46.366 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.00 min

Lab File: VN061675.D

Acq: 5 Jun 2020 17:27

Instrument :

MSVOA_N

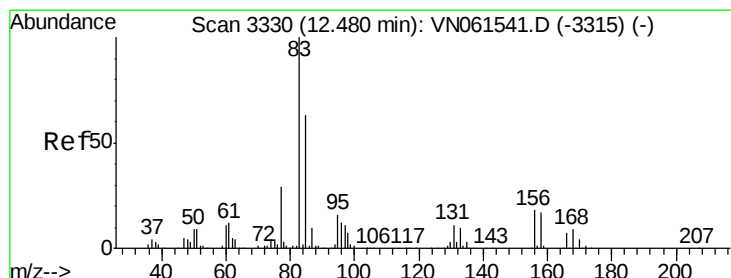
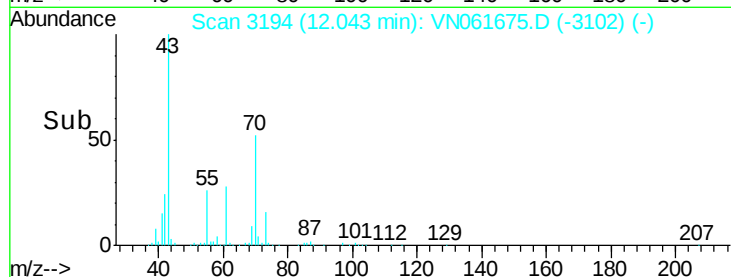
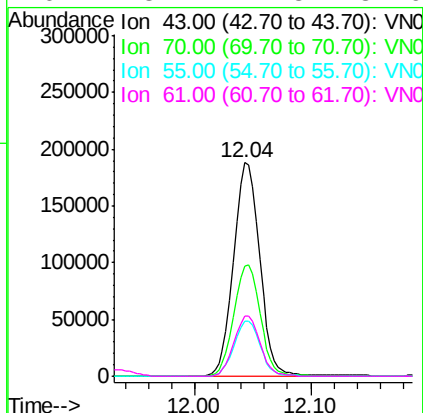
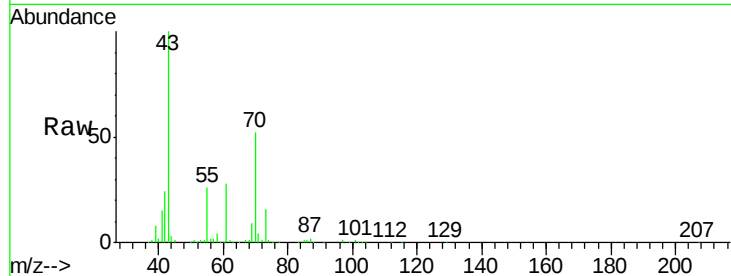
ClientSampleId :

VE-4-11MSD

Tot Ion	43	Resp	293941
Ion Ratio	Lower	Upper	
43	100		
70	52.7	40.5	60.7
55	26.1	20.6	31.0
61	28.1	21.8	32.6

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#75

1,1,2,2-Tetrachloroethane

Concen: 45.974 ug/l

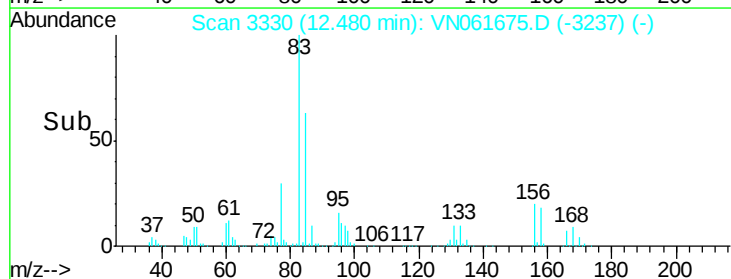
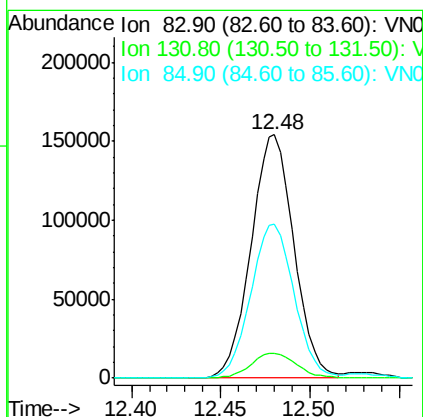
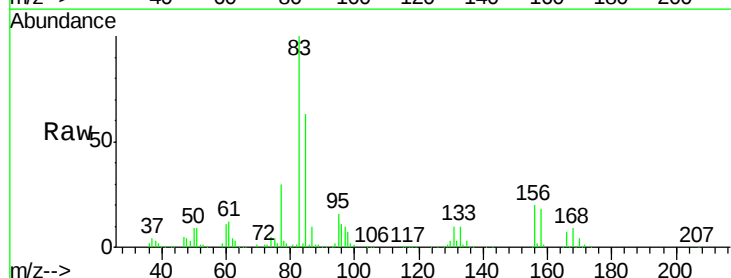
RT: 12.48 min Scan# 3330

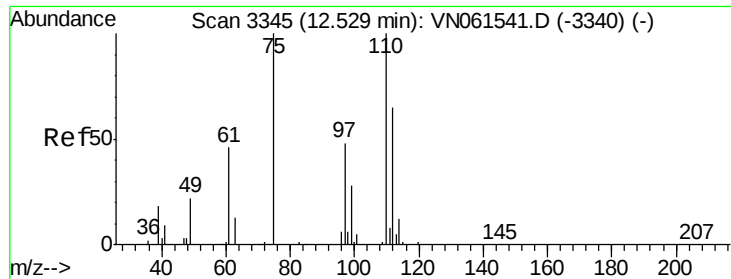
Delta R.T. 0.00 min

Lab File: VN061675.D

Acq: 5 Jun 2020 17:27

Tgt Ion	83	Resp	259349
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.5	16.5
85	63.9	32.1	96.3





#76

1,2,3-Trichloropropane

Concen: 47.504 ug/l m

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN061675.D

Acq: 5 Jun 2020 17:27

Instrument :

MSVOA_N

ClientSampled :

VE-4-11MSD

Tot Ion: 75 Resp: 238248

Ion Ratio Lower Upper

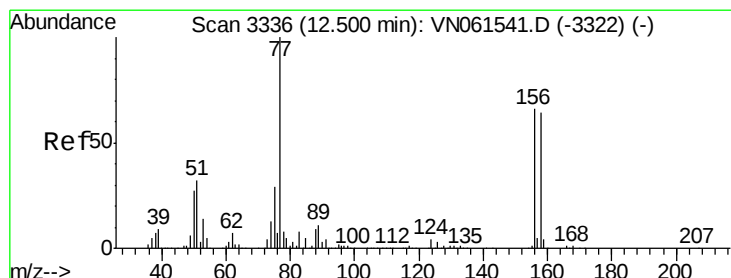
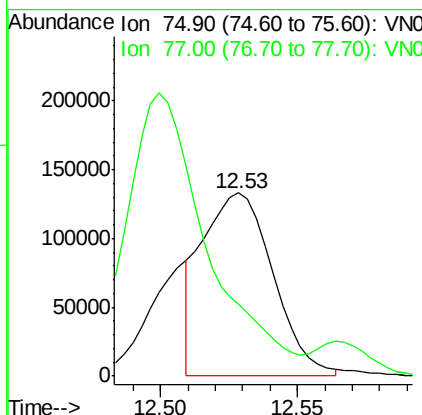
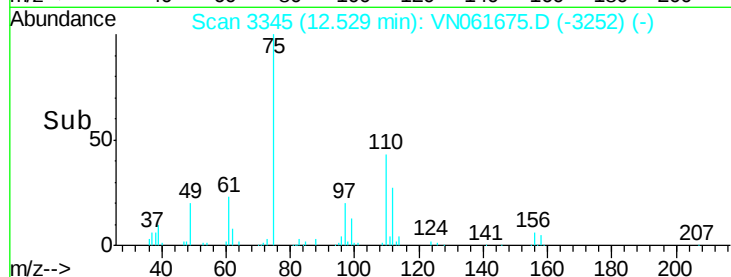
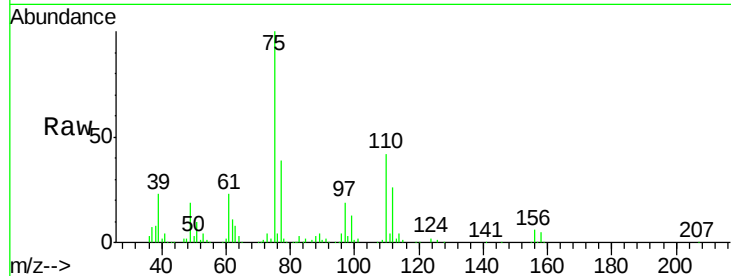
75 100

77 0.0 0.0 0.0

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6/8/2020 11:49:11 AM



#77

Bromobenzene

Concen: 48.387 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN061675.D

Acq: 5 Jun 2020 17:27

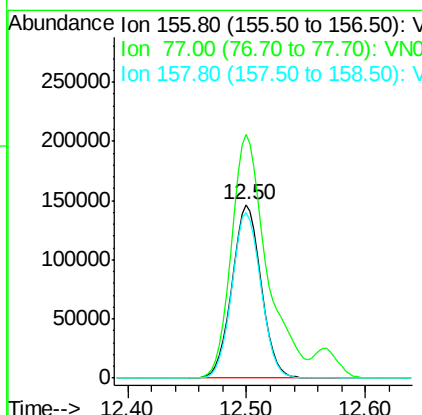
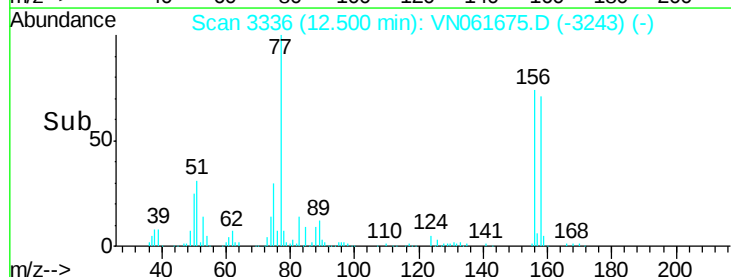
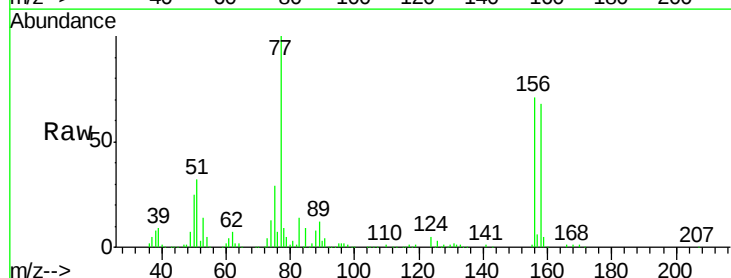
Tgt Ion: 156 Resp: 248638

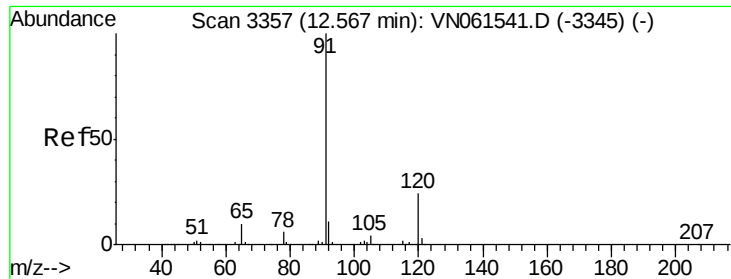
Ion Ratio Lower Upper

156 100

77 170.8 90.9 272.7

158 95.0 48.4 145.3





#78

n-propylbenzene

Concen: 44.900 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. 0.00 min

Lab File: VN061675.D

Acq: 5 Jun 2020 17:27

Instrument :

MSVOA_N

ClientSampled :

VE-4-11MSD

Tot Ion: 91 Resp: 1009047

Ion Ratio Lower Upper

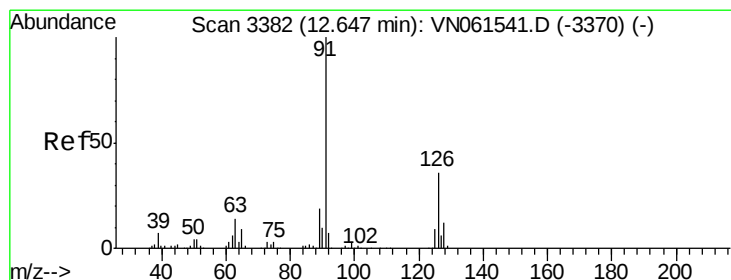
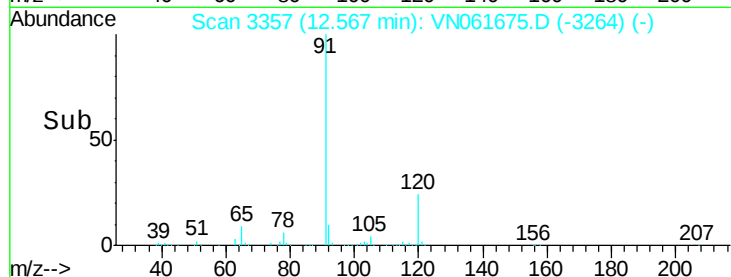
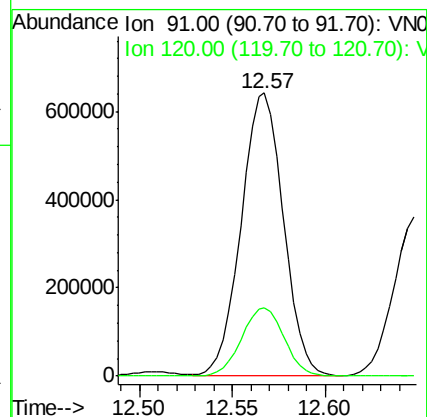
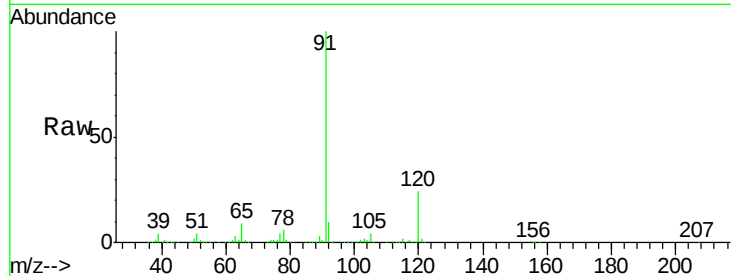
91 100

120 24.7 12.3 36.9

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6/8/2020 11:49:11 AM



#79

2-Chlorotoluene

Concen: 44.454 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. 0.00 min

Lab File: VN061675.D

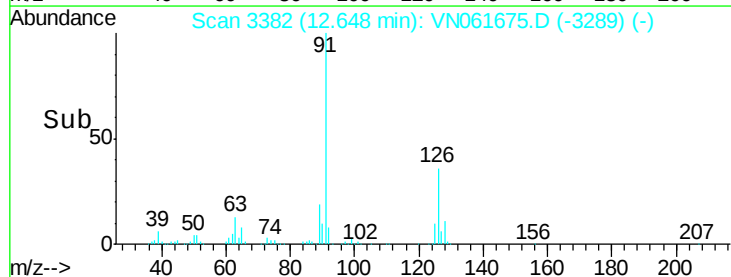
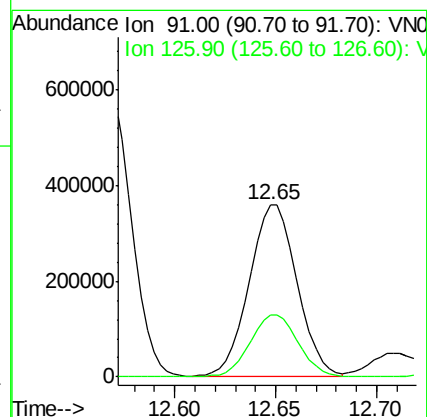
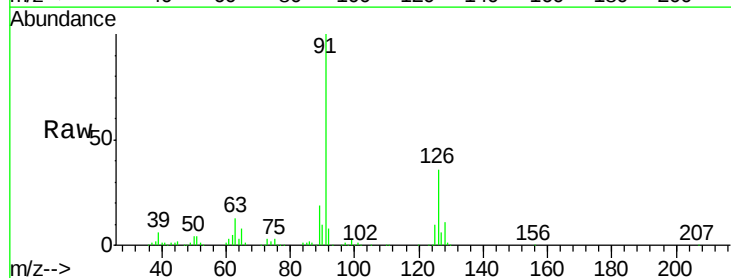
Acq: 5 Jun 2020 17:27

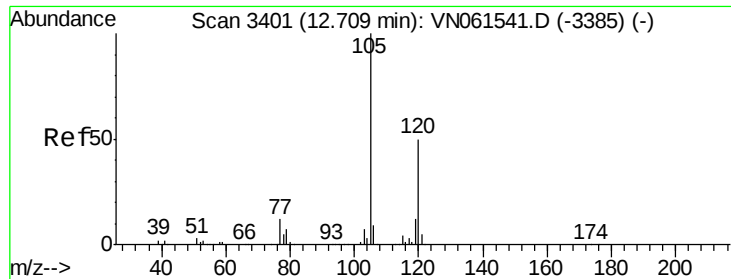
Tgt Ion: 91 Resp: 595706

Ion Ratio Lower Upper

91 100

126 36.5 17.9 53.7





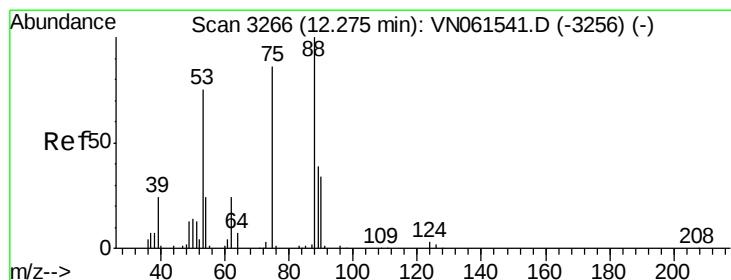
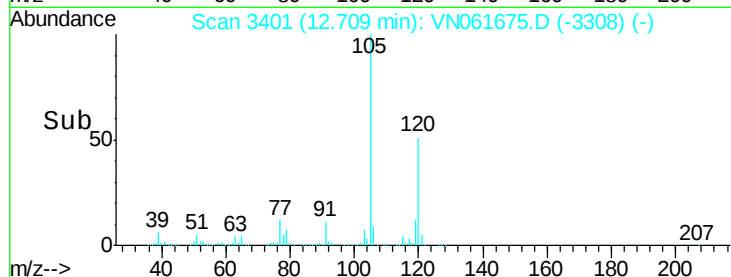
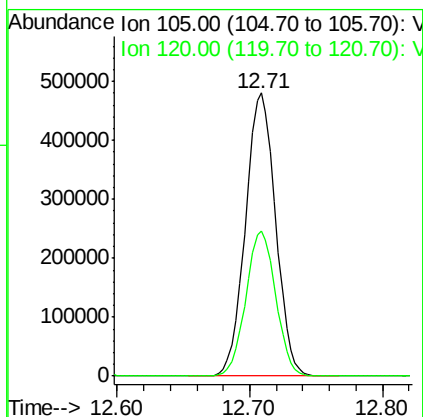
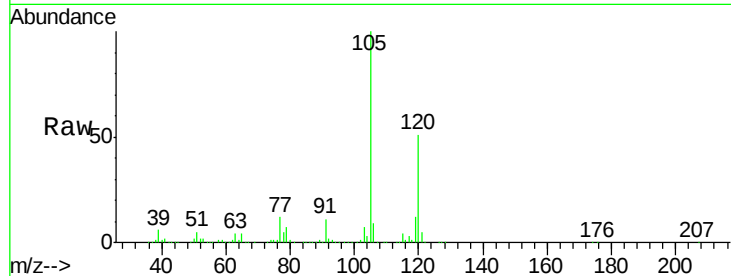
#80
 1,3,5-Trimethylbenzene
 Concen: 44.889 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. 0.00 min
 Lab File: VN061675.D
 Acq: 5 Jun 2020 17:27

Instrument :
 MSVOA_N
 ClientSampled :
 VE-4-11MSD

Tot Ion:105 Resp: 755276
 Ion Ratio Lower Upper
 105 100
 120 51.1 25.1 75.2

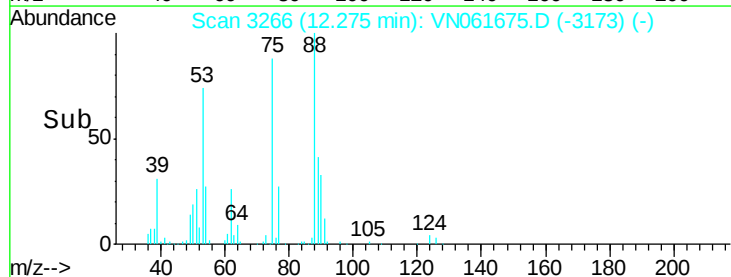
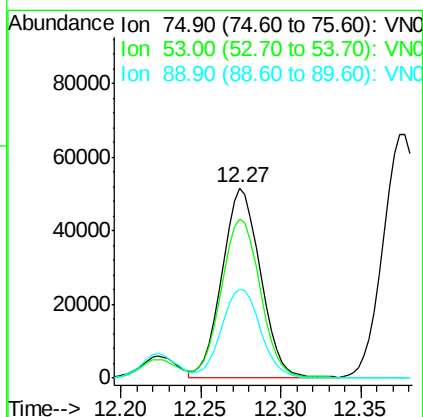
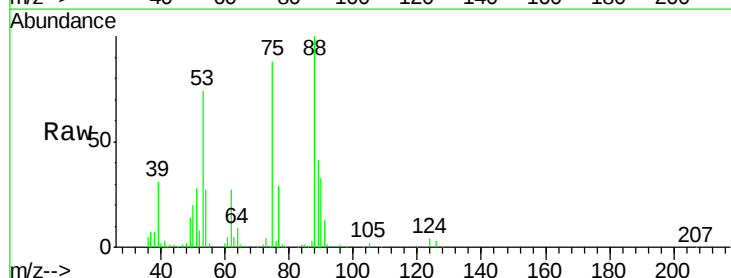
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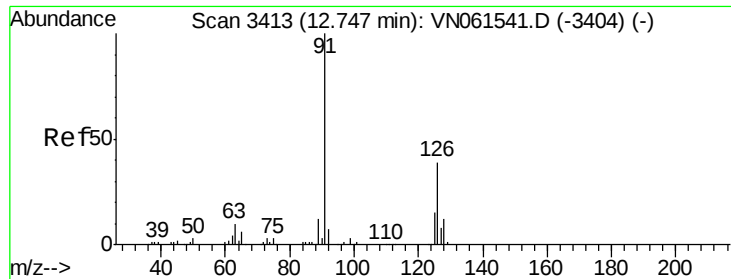
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#81
 trans-1,4-Dichloro-2-butene
 Concen: 43.357 ug/l
 RT: 12.27 min Scan# 3266
 Delta R.T. 0.00 min
 Lab File: VN061675.D
 Acq: 5 Jun 2020 17:27

Tgt Ion: 75 Resp: 85031
 Ion Ratio Lower Upper
 75 100
 53 85.2 67.8 101.8
 89 47.5 37.1 55.7





#82

4-Chlorotoluene

Concen: 44.932 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. 0.00 min

Lab File: VN061675.D

Acq: 5 Jun 2020 17:27

Instrument :

MSVOA_N

ClientSampled :

VE-4-11MSD

Tot Ion: 91 Resp: 633420

Ion Ratio Lower Upper

91 100

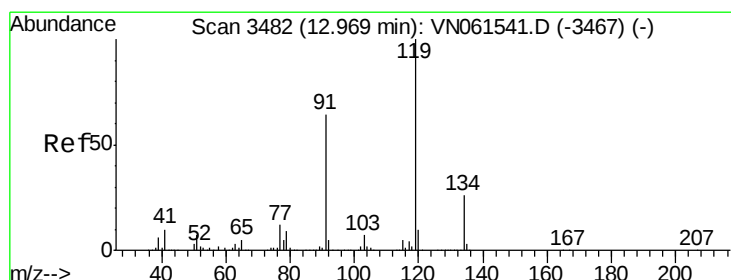
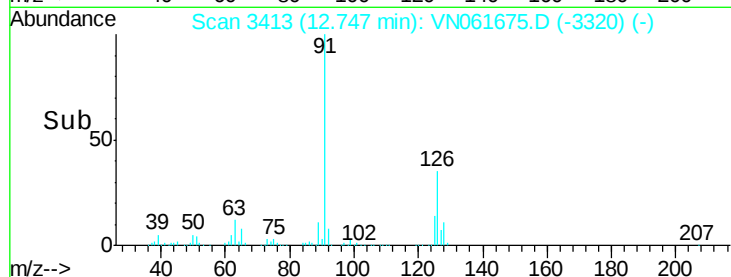
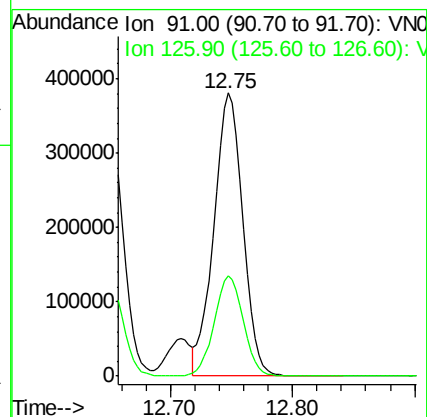
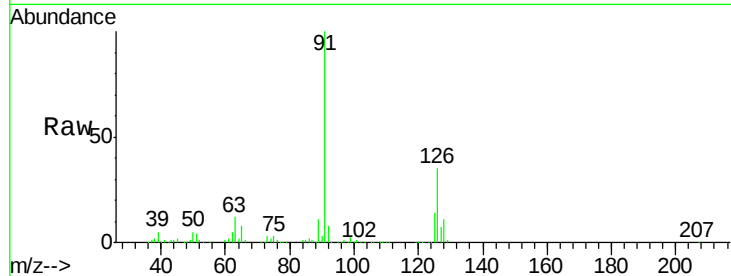
126 35.4 17.5 52.6

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#83

tert-Butylbenzene

Concen: 43.960 ug/l

RT: 12.97 min Scan# 3482

Delta R.T. 0.00 min

Lab File: VN061675.D

Acq: 5 Jun 2020 17:27

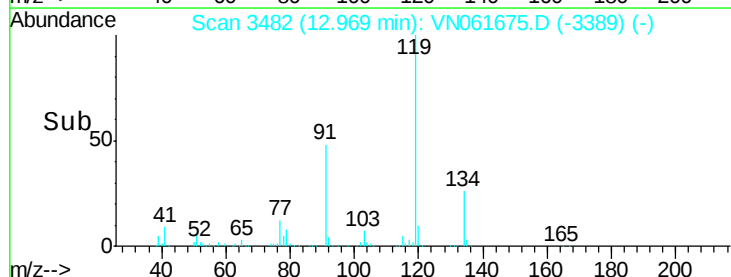
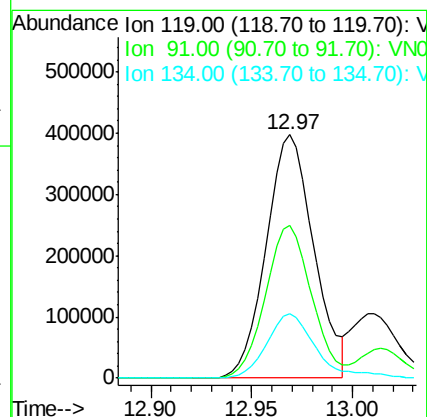
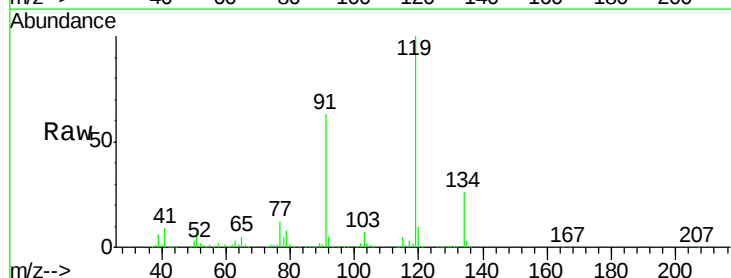
Tgt Ion: 119 Resp: 653515

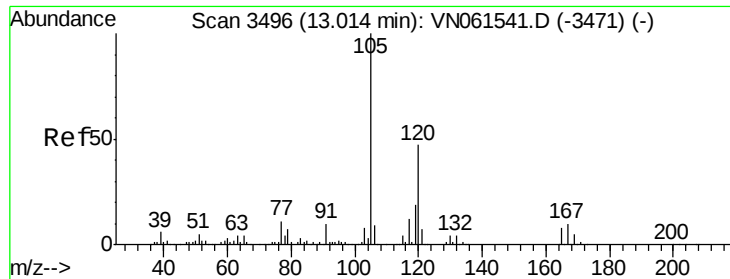
Ion Ratio Lower Upper

119 100

91 61.1 31.3 93.8

134 27.3 13.5 40.4





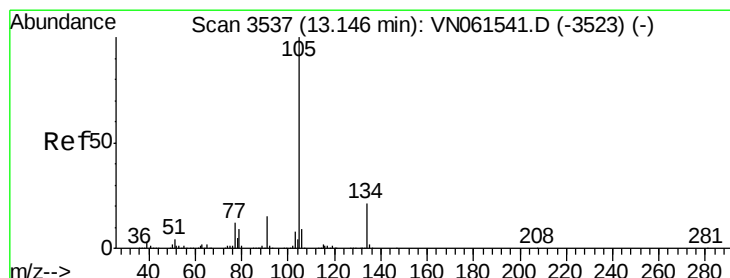
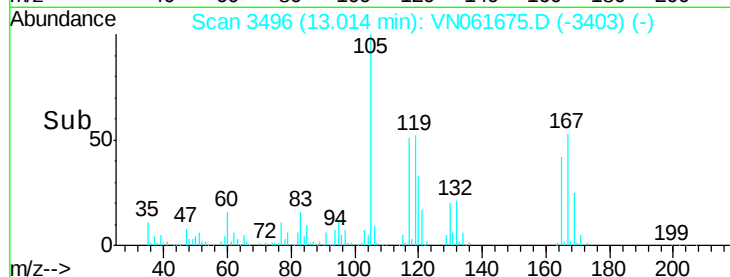
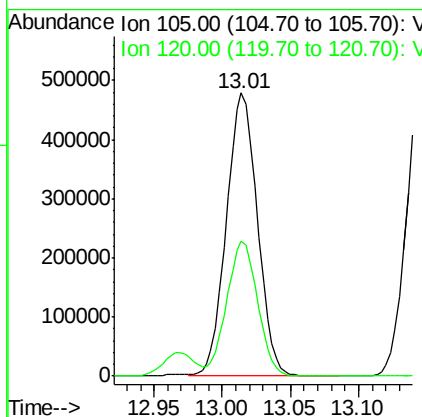
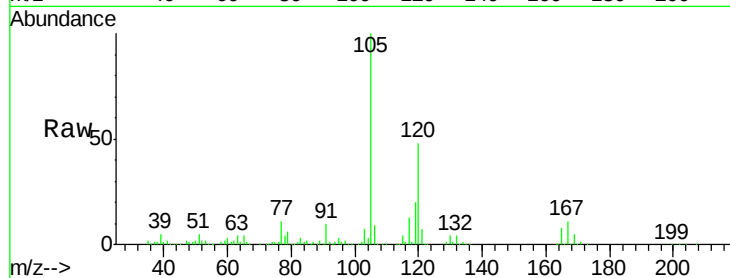
#84
 1,2,4-Trimethylbenzene
 Concen: 45.270 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. 0.00 min
 Lab File: VN061675.D
 Acq: 5 Jun 2020 17:27

Instrument :
 MSVOA_N
 ClientSampled :
 VE-4-11MSD

Tot Ion	Ratio	Lower	Upper
105	100		
120	47.7	23.2	69.5

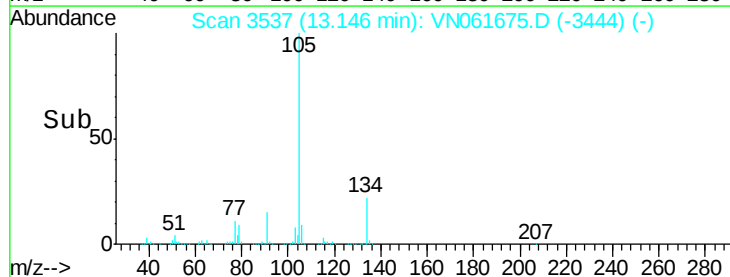
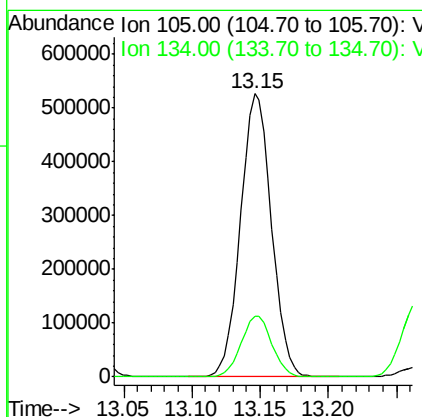
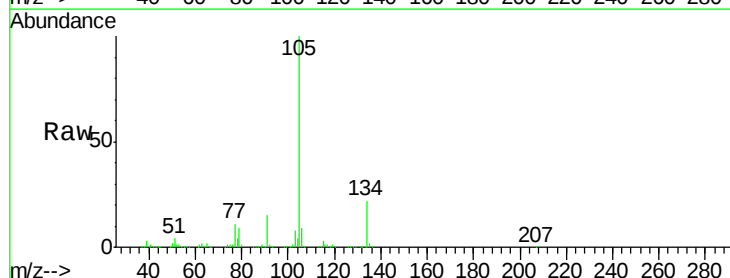
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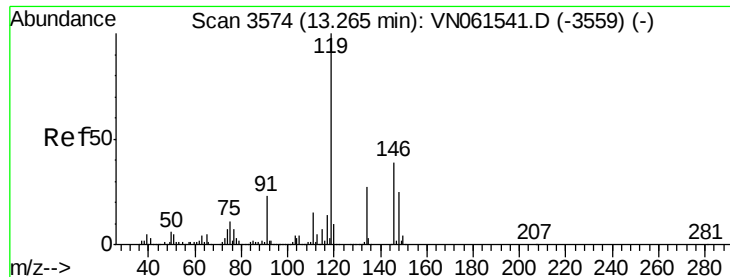
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#85
 sec-Butylbenzene
 Concen: 43.176 ug/l
 RT: 13.15 min Scan# 3537
 Delta R.T. 0.00 min
 Lab File: VN061675.D
 Acq: 5 Jun 2020 17:27

Tgt Ion	Ratio	Lower	Upper
105	100		
134	21.4	10.7	31.9





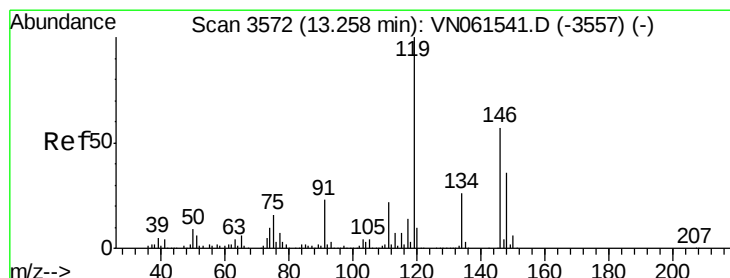
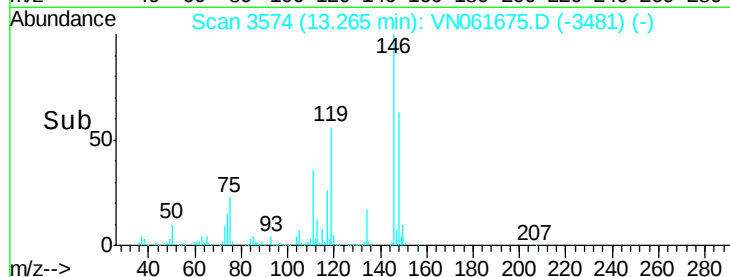
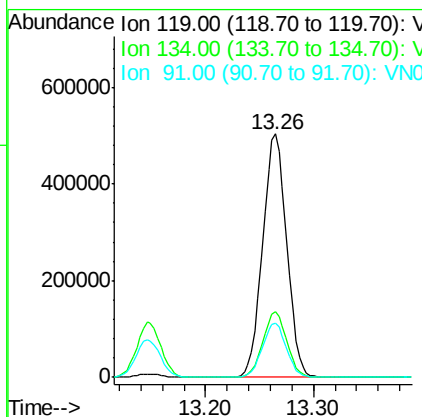
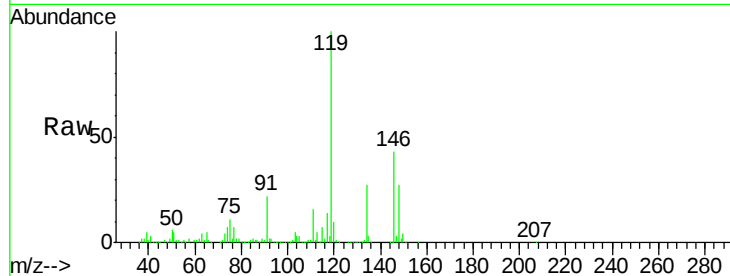
#86
p-Isopropyltoluene
Concen: 44.138 ug/l
RT: 13.26 min Scan# 3574
Delta R.T. 0.00 min
Lab File: VN061675.D
Acq: 5 Jun 2020 17:27

Instrument :
MSVOA_N
ClientSampleId :
VE-4-11MSD

Tot Ion	Ratio	Resp	Lower	Upper
119	100	778644		
134	26.7		13.5	40.5
91	22.0		11.4	34.1

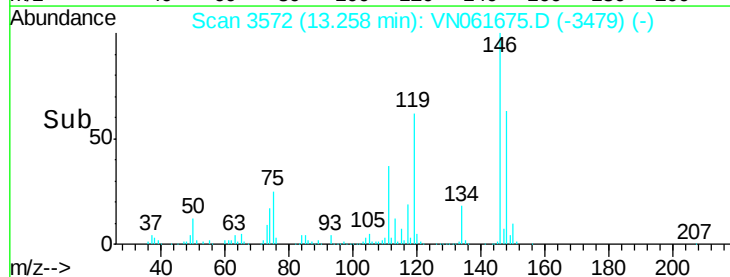
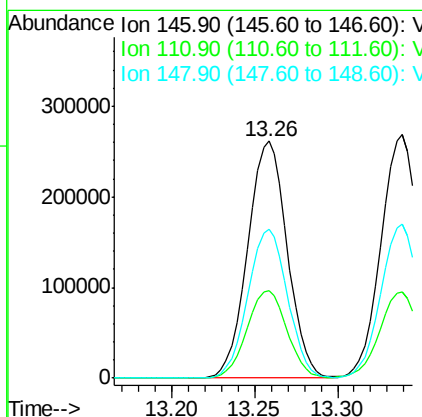
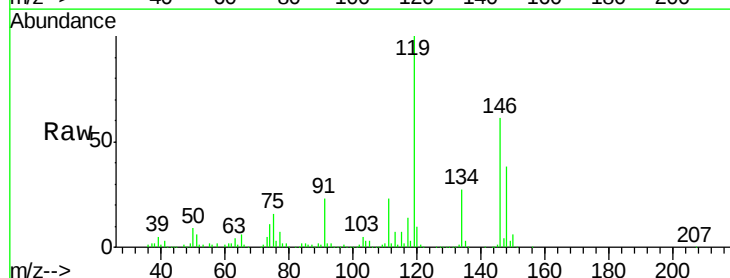
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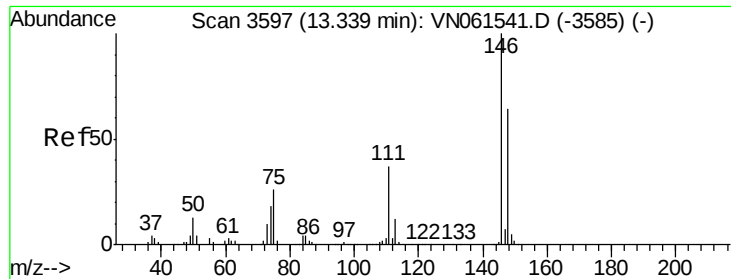
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#87
1,3-Dichlorobenzene
Concen: 47.551 ug/l
RT: 13.26 min Scan# 3572
Delta R.T. 0.00 min
Lab File: VN061675.D
Acq: 5 Jun 2020 17:27

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	432681		
111	37.4		19.2	57.6
148	63.1		31.7	95.1





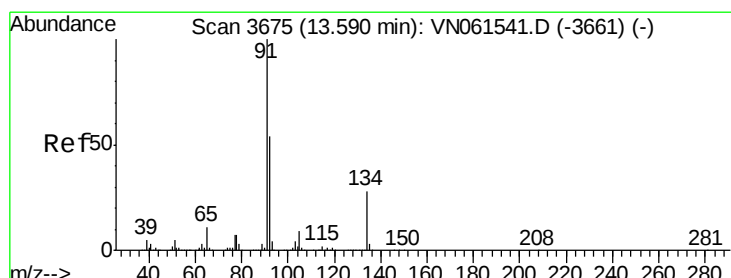
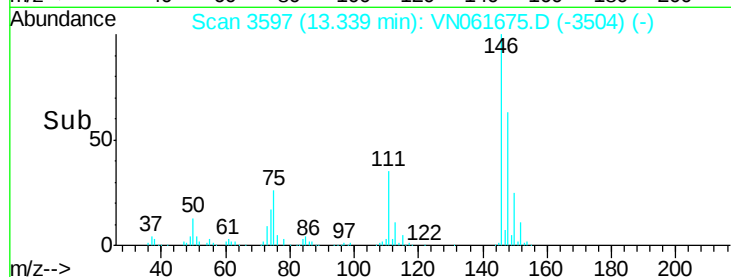
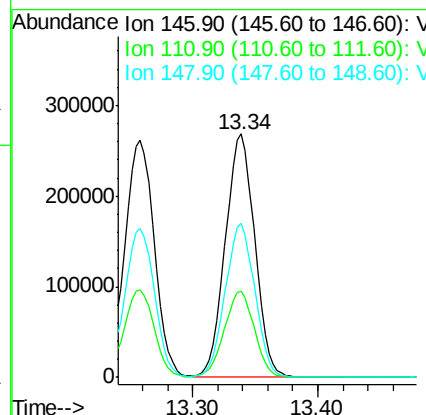
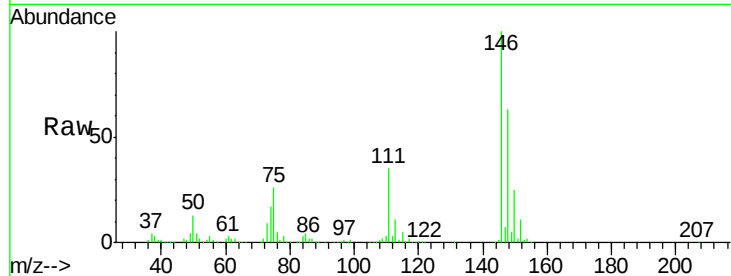
#88
 1,4-Dichlorobenzene
 Concen: 47.108 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN061675.D
 Acq: 5 Jun 2020 17:27

Instrument :
 MSVOA_N
 ClientSampled :
 VE-4-11MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.0	18.9	56.9
148	63.5	31.8	95.3

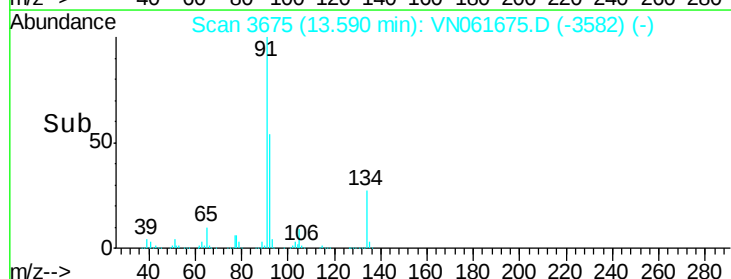
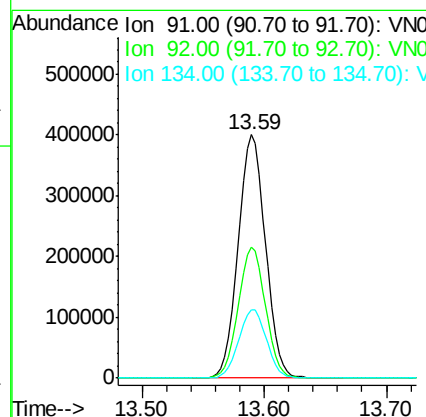
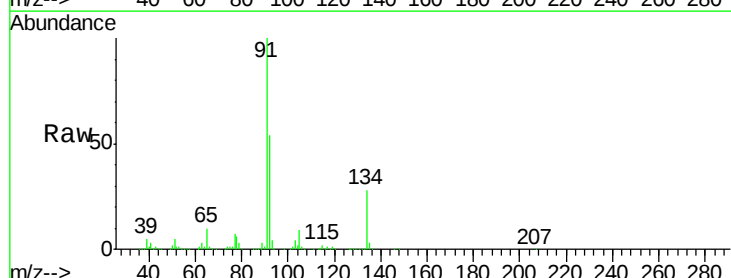
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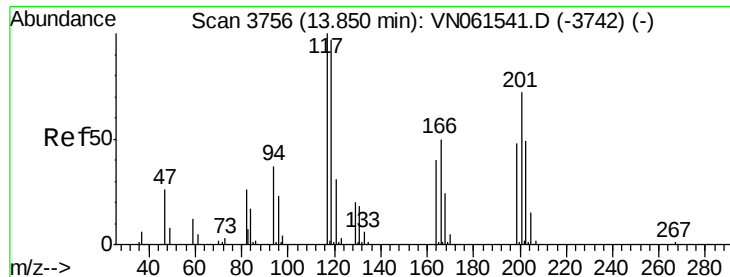
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#89
 n-Butylbenzene
 Concen: 42.114 ug/l
 RT: 13.59 min Scan# 3675
 Delta R.T. 0.00 min
 Lab File: VN061675.D
 Acq: 5 Jun 2020 17:27

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.6	27.2	81.6
134	28.6	14.0	42.0





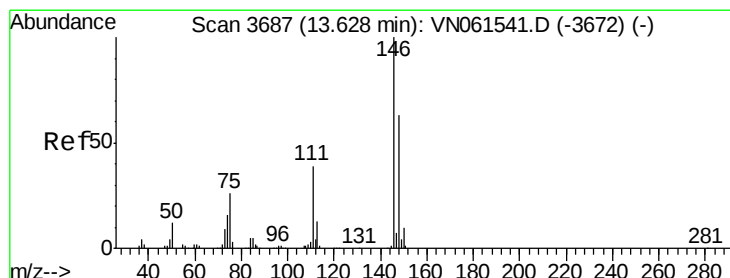
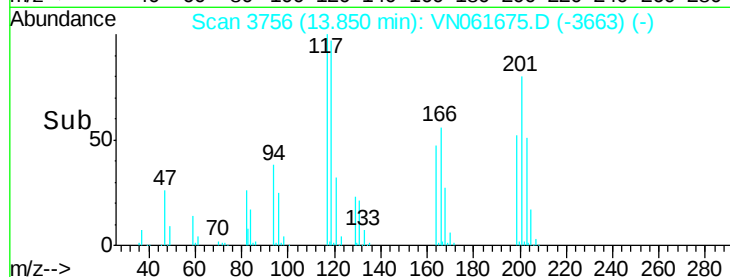
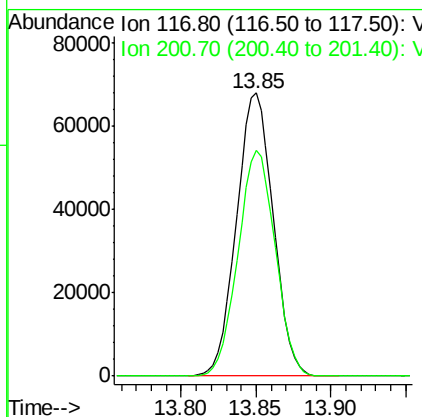
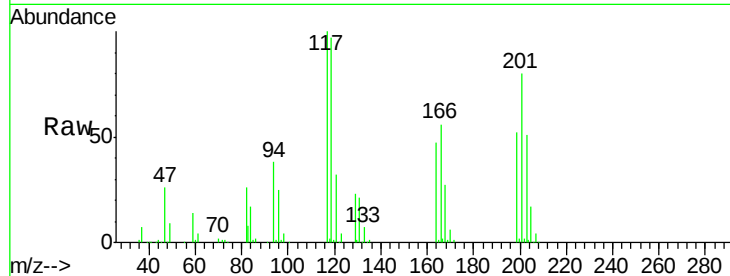
#90
Hexachloroethane
Concen: 59.681 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. 0.00 min
Lab File: VN061675.D
Acq: 5 Jun 2020 17:27

Instrument :
MSVOA_N
ClientSampleId :
VE-4-11MSD

Tot Ion:117 Resp: 116435
Ion Ratio Lower Upper
117 100
201 80.7 36.7 110.1

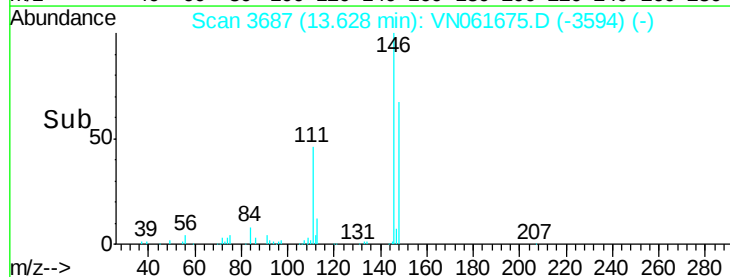
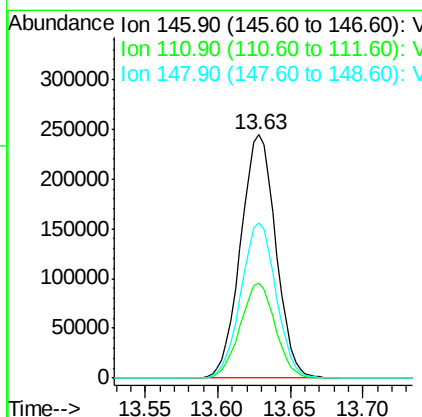
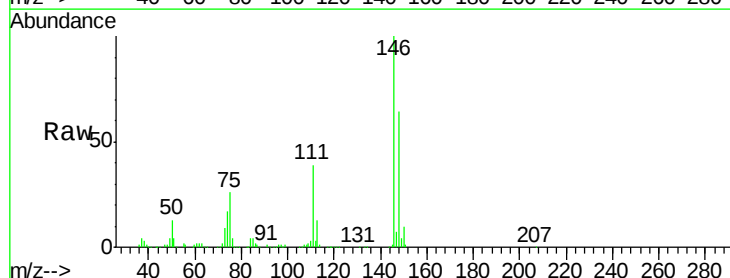
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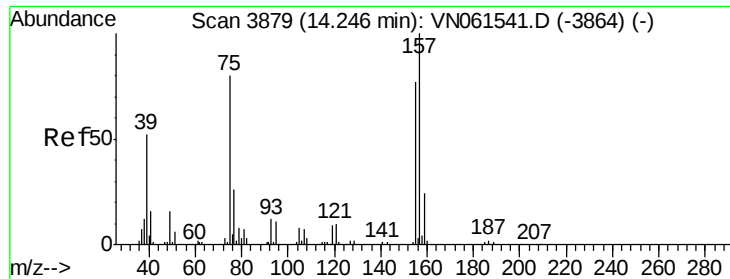
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#91
1,2-Dichlorobenzene
Concen: 47.516 ug/l
RT: 13.63 min Scan# 3687
Delta R.T. 0.00 min
Lab File: VN061675.D
Acq: 5 Jun 2020 17:27

Tgt Ion:146 Resp: 413187
Ion Ratio Lower Upper
146 100
111 38.7 20.1 60.2
148 63.9 31.9 95.5





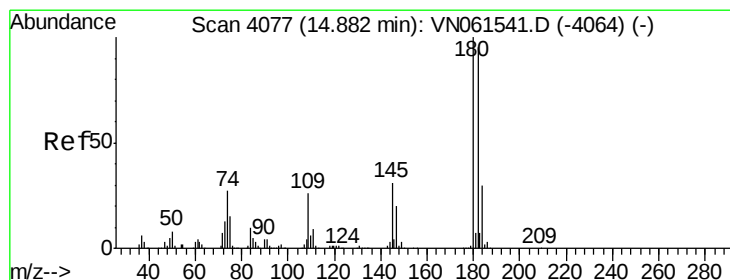
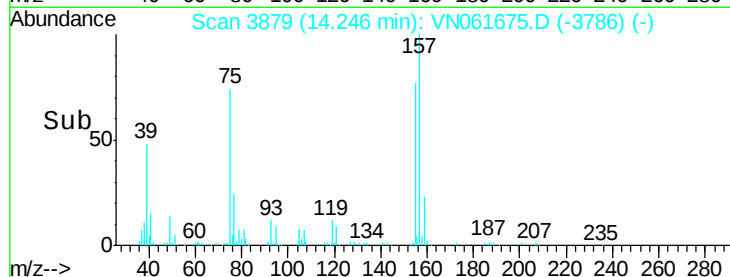
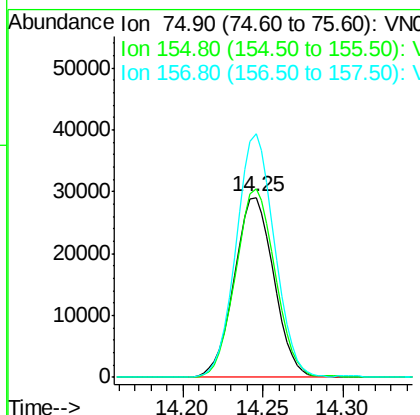
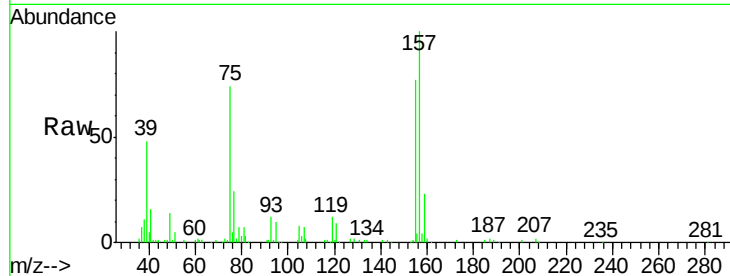
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 42.595 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. 0.00 min
 Lab File: VN061675.D
 Acq: 5 Jun 2020 17:27

Instrument :
 MSVOA_N
 ClientSampled :
 VE-4-11MSD

Tot Ion	Ratio	Lower	Upper
75	100		
155	104.8	47.1	141.4
157	130.5	60.3	180.8

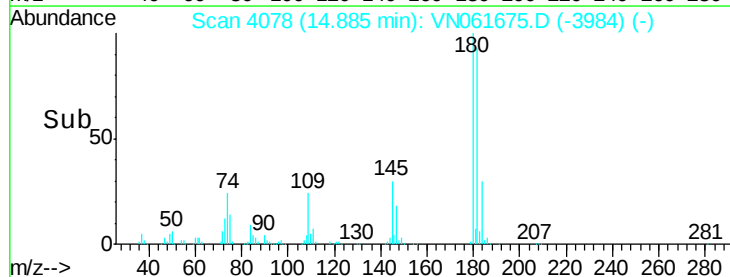
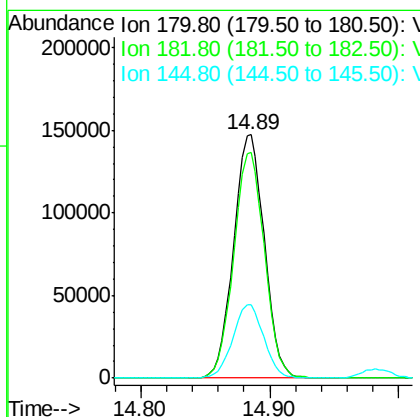
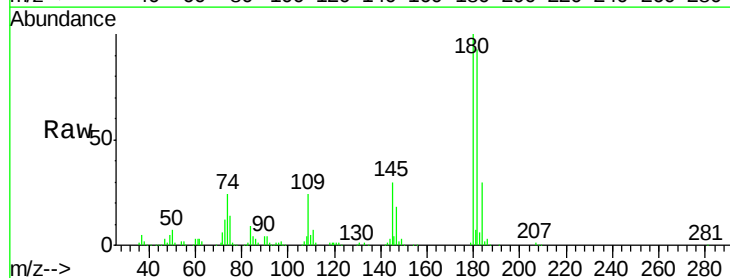
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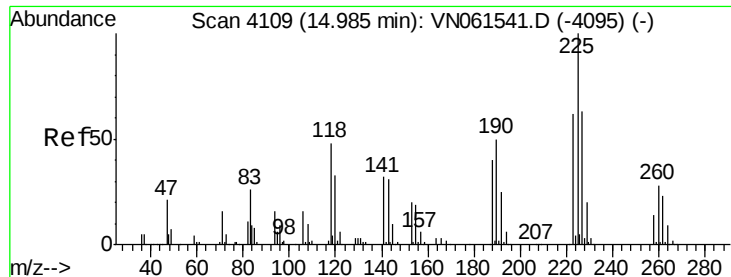
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#93
 1,2,4-Trichlorobenzene
 Concen: 47.968 ug/l
 RT: 14.89 min Scan# 4078
 Delta R.T. 0.00 min
 Lab File: VN061675.D
 Acq: 5 Jun 2020 17:27

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.9	47.8	143.3
145	30.5	15.5	46.5





#94

Hexachlorobutadiene

Concen: 41.654 ug/l

RT: 14.99 min Scan# 4109

Delta R.T. 0.00 min

Lab File: VN061675.D

Acq: 5 Jun 2020 17:27

Instrument :

MSVOA_N

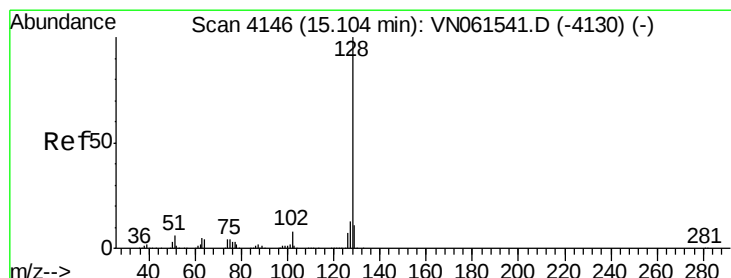
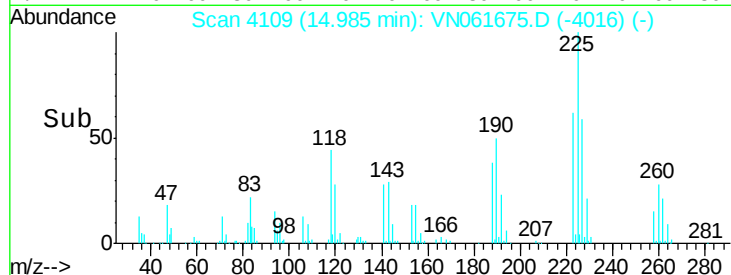
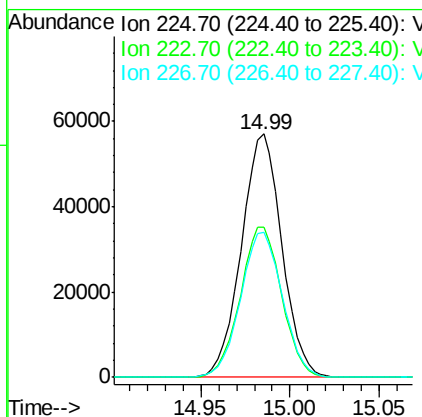
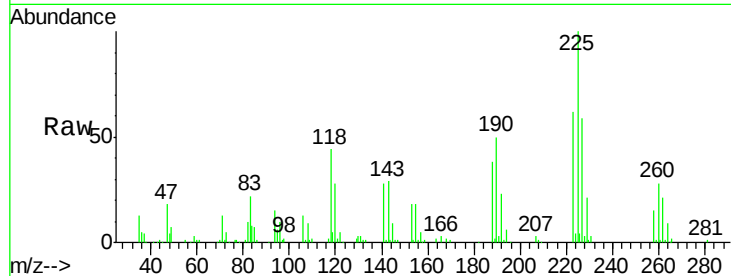
ClientSampled :

VE-4-11MSD

Tot Ion:	225	Resp:	90345
Ion Ratio	Lower	Upper	
225	100		
223	63.2	31.9	95.5
227	61.8	31.9	95.9

Manual Integrations
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#95

Naphthalene

Concen: 49.075 ug/l

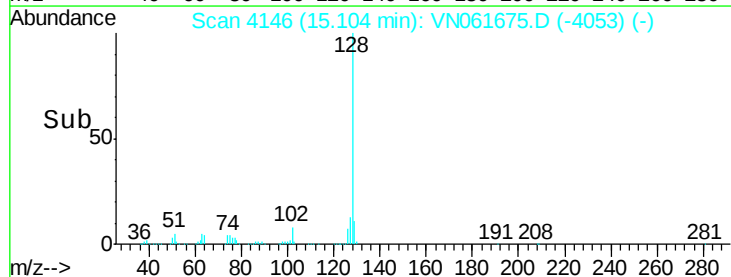
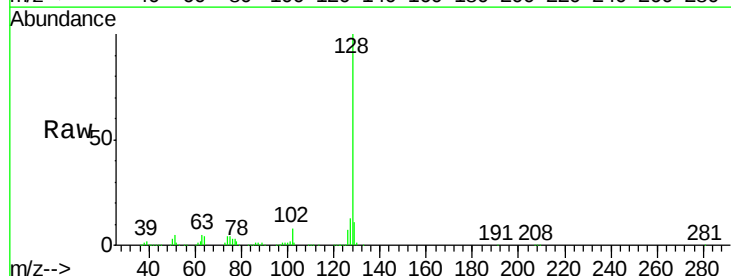
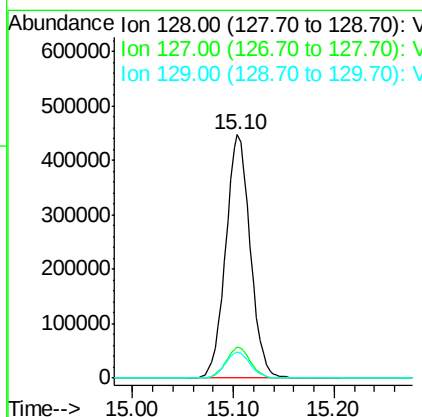
RT: 15.10 min Scan# 4146

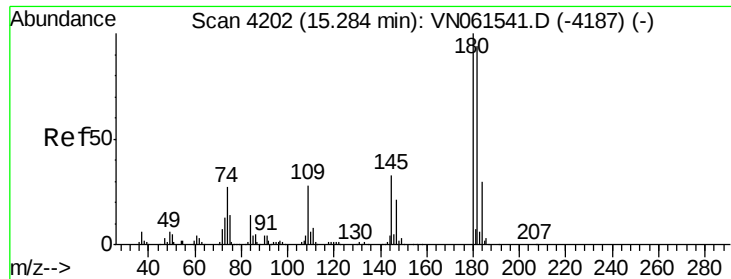
Delta R.T. 0.00 min

Lab File: VN061675.D

Acq: 5 Jun 2020 17:27

Tgt Ion:	128	Resp:	759654
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.0	15.0
129	10.8	8.5	12.7





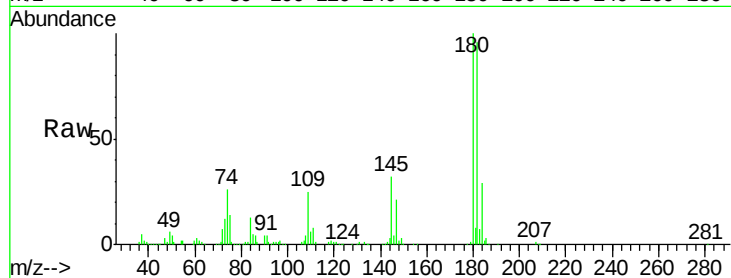
#96
 1,2,3-Trichlorobenzene
 Concen: 46.793 ug/l
 RT: 15.28 min Scan# 4202
 Delta R.T. 0.00 min
 Lab File: VN061675.D
 Acq: 5 Jun 2020 17:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VE-4-11MSD

Tot Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	97.0	47.1	141.3
145	32.5	16.3	48.9

Manual Integrations
 APPROVED

MMDadoda
 6/8/2020 11:49:11 AM



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

