

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081720\
 Data File : VN062975.D
 Acq On : 17 Aug 2020 17:50
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN081720

Manual Integrations
 APPROVED

MMDadoda
 8/18/2020 11:13:01 AM

Quant Time: Aug 18 06:37:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081720W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 17 17:31:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	257231	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	356209	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	336639	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	173157	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	125670	46.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.24%	
35) Dibromofluoromethane	7.54	113	113713	49.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.02%	
50) Toluene-d8	10.06	98	449731	49.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.90%	
62) 4-Bromofluorobenzene	12.38	95	161726	49.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	154892	53.724	ug/l	99
3) Chloromethane	2.03	50	137157	49.507	ug/l	99
4) Vinyl Chloride	2.16	62	147736	42.224	ug/l	99
5) Bromomethane	2.52	94	120682	48.669	ug/l	95
6) Chloroethane	2.66	64	118185	49.598	ug/l	97
7) Trichlorofluoromethane	2.98	101	240844	49.416	ug/l	99
8) Diethyl Ether	3.37	74	84257	56.398	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.72	101	102181	43.898	ug/l	98
10) Methyl Iodide	3.91	142	138323	46.616	ug/l	99
11) Tert butyl alcohol	4.74	59	107180	230.171	ug/l	99
12) 1,1-Dichloroethene	3.69	96	94160	42.613	ug/l	97
13) Acrolein	3.56	56	52111	186.528	ug/l	96
14) Allyl chloride	4.27	41	148528	43.533	ug/l	99
15) Acrylonitrile	4.93	53	291613	237.467	ug/l	97
16) Acetone	3.77	43	266316	252.414	ug/l	99
17) Carbon Disulfide	4.00	76	250493	39.505	ug/l	100
18) Methyl Acetate	4.27	43	125272	52.948	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	354857	49.163	ug/l	98
20) Methylene Chloride	4.50	84	115007	45.162	ug/l	96
21) trans-1,2-Dichloroethene	4.98	96	104230	45.033	ug/l	98
22) Diisopropyl ether	5.90	45	346421	46.989	ug/l	99
23) Vinyl Acetate	5.84	43	1178188	226.726	ug/l	99
24) 1,1-Dichloroethane	5.79	63	194399	45.100	ug/l	98
25) 2-Butanone	6.78	43	380445	250.193	ug/l	99
26) 2,2-Dichloropropane	6.77	77	166108	46.620	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	126103	45.922	ug/l	100
28) Bromochloromethane	7.15	49	100997	48.604	ug/l	100
29) Tetrahydrofuran	7.17	42	245981	276.087	ug/l	100
30) Chloroform	7.33	83	202679	45.092	ug/l	99
31) Cyclohexane	7.61	56	193073	45.935	ug/l	98
32) 1,1,1-Trichloroethane	7.53	97	172657	46.278	ug/l	99
36) 1,1-Dichloropropene	7.75	75	143945	47.108	ug/l	99
37) Ethyl Acetate	6.88	43	134912	48.330	ug/l	99
38) Carbon Tetrachloride	7.73	117	152444	47.221	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	210221	51.841	ug/l	98
40) Benzene	8.00	78	457390	47.323	ug/l	100
41) Methacrylonitrile	7.12	41	63995	46.746	ug/l	89
42) 1,2-Dichloroethane	8.08	62	145987	46.016	ug/l	100
43) Isopropyl Acetate	8.12	43	220527	49.723	ug/l	99
44) Trichloroethene	8.80	130	123708	47.473	ug/l	99
45) 1,2-Dichloropropane	9.08	63	123916	46.014	ug/l	99
46) Dibromomethane	9.17	93	78761	46.975	ug/l	98
47) Bromodichloromethane	9.37	83	165487	48.662	ug/l	97
48) Methyl methacrylate	9.17	41	109354	50.407	ug/l	98
49) 1,4-Dioxane	9.17	88	51018	1111.911	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	758703	255.681	ug/l	99
52) Toluene	10.12	92	300711	49.248	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	187017	50.980	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	201503	50.888	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	125248	48.392	ug/l	98
56) Ethyl methacrylate	10.40	69	189341	47.386	ug/l	98
57) 1,3-Dichloropropane	10.68	76	201663	49.429	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	203858	265.855	ug/l	98
59) 2-Hexanone	10.72	43	573163	286.443	ug/l	100
60) Dibromochloromethane	10.87	129	144691	50.232	ug/l	98
61) 1,2-Dibromoethane	10.98	107	127084	48.099	ug/l	99
64) Tetrachloroethene	10.60	164	116268	50.355	ug/l	98
65) Chlorobenzene	11.41	112	337324	48.956	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	130426	48.736	ug/l	99
67) Ethyl Benzene	11.48	91	589103	50.749	ug/l	98
68) m/p-Xylenes	11.59	106	458443	104.585	ug/l	98
69) o-Xylene	11.92	106	220787	53.025	ug/l	99
70) Styrene	11.94	104	388877	53.847	ug/l	99
71) Bromoform	12.10	173	117380	52.473	ug/l #	99
73) Isopropylbenzene	12.22	105	614554	51.446	ug/l	100
74) N-amyl acetate	12.05	43	210687	51.375	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	191996	51.074	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	173847m	51.276	ug/l	
77) Bromobenzene	12.50	156	164726	47.829	ug/l	100
78) n-propylbenzene	12.57	91	692961	49.717	ug/l	99
79) 2-Chlorotoluene	12.65	91	404413	48.278	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	520627	51.798	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	67716	53.024	ug/l	99
82) 4-Chlorotoluene	12.75	91	423552	49.618	ug/l	99
83) tert-Butylbenzene	12.97	119	451924	52.141	ug/l	100
84) 1,2,4-Trimethylbenzene	13.01	105	512188	52.664	ug/l	99
85) sec-Butylbenzene	13.15	105	593405	52.021	ug/l	100
86) p-Isopropyltoluene	13.26	119	546774	53.866	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	286860	50.574	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	286303	48.976	ug/l	100
89) n-Butylbenzene	13.59	91	434153	52.659	ug/l	99
90) Hexachloroethane	13.85	117	100519	48.820	ug/l	100
91) 1,2-Dichlorobenzene	13.63	146	272131	49.642	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.24	75	33644	51.781	ug/l	98

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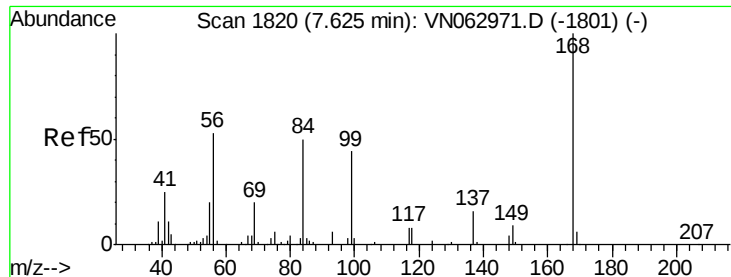
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	149085	47.980	ug/l	99
94) Hexachlorobutadiene	14.98	225	102917	48.636	ug/l	99
95) Naphthalene	15.10	128	339054	53.476	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	144722	47.296	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VN062975.D

Acq: 17 Aug 2020 17:50

Instrument :

MSVOA_N

ClientSampleId :

ICVFN081720

Tot Ion:168 Resp: 257231

Ion Ratio Lower Upper

168 100

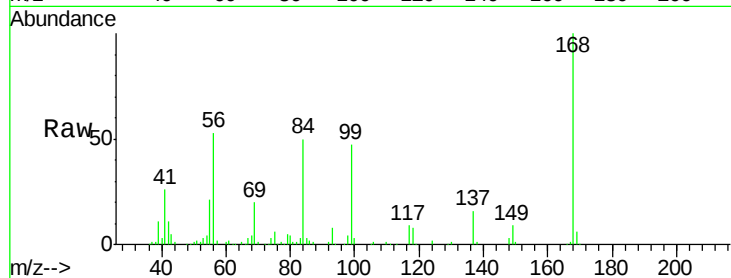
99 46.4 39.4 59.0

Manual Integrations

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8/18/2020 11:13:01 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.62

120000

100000

80000

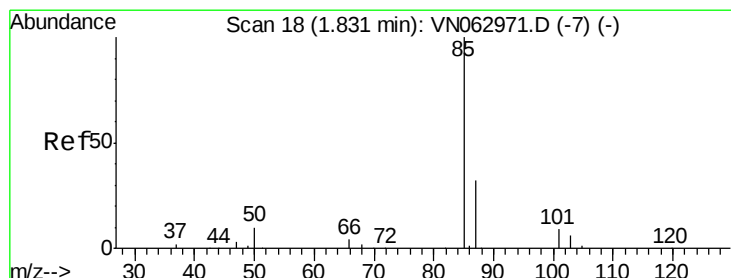
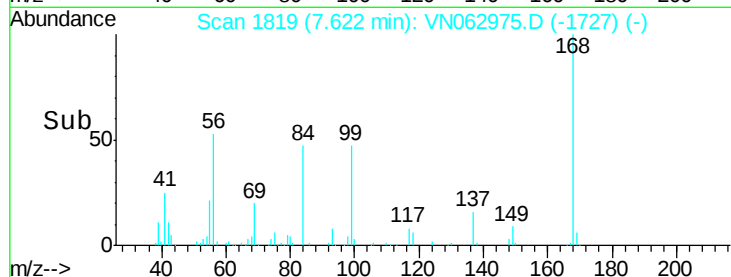
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 53.724 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN062975.D

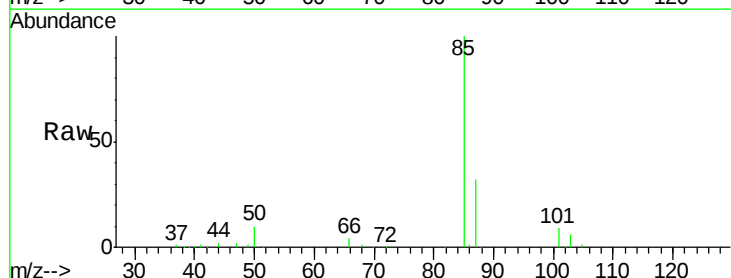
Acq: 17 Aug 2020 17:50

Tgt Ion: 85 Resp: 154892

Ion Ratio Lower Upper

85 100

87 32.5 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

120000

100000

80000

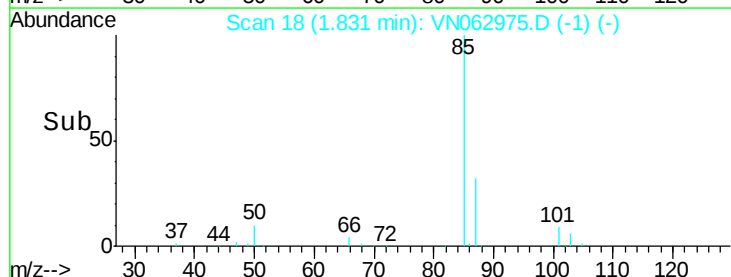
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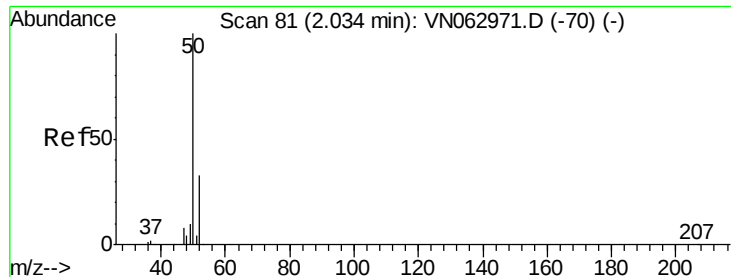
40000

20000

0

Time--> 1.75 1.80 1.85 1.90 1.95





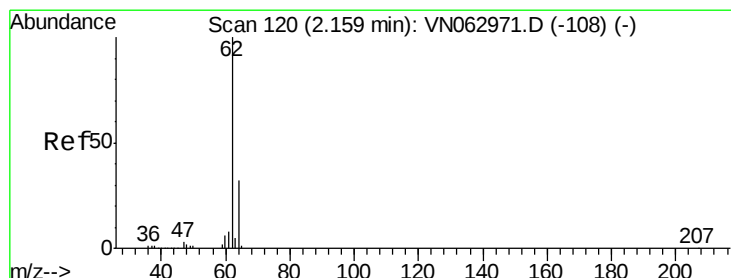
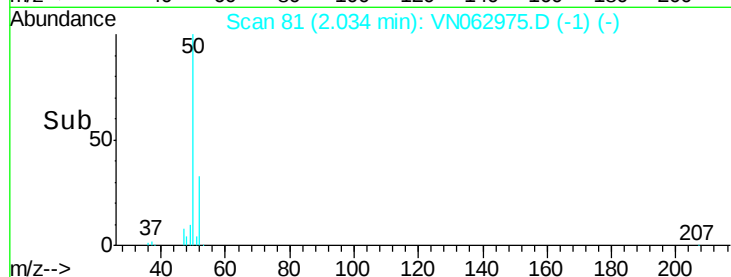
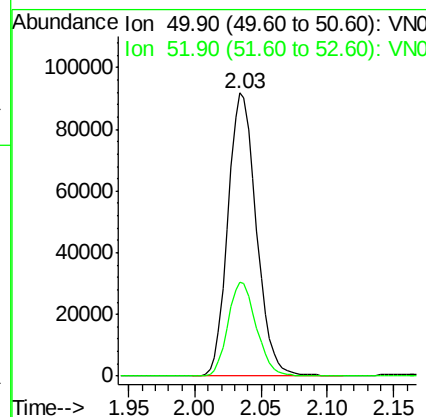
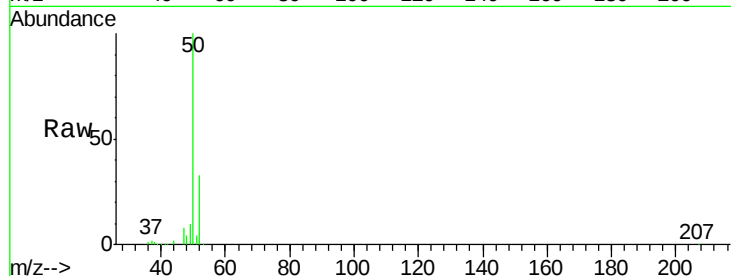
#3
Chloromethane
Concen: 49.507 ug/l
RT: 2.03 min Scan# 81
Delta R.T. -0.00 min
Lab File: VN062975.D
Acq: 17 Aug 2020 17:50

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Tot Ion	50	Resp	137157
Ion Ratio	100	Lower	Upper
50	100		
52	33.4	26.2	39.2

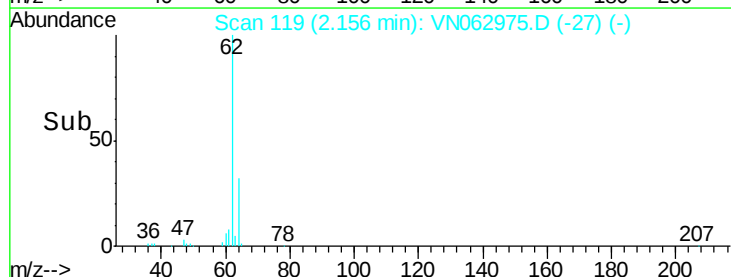
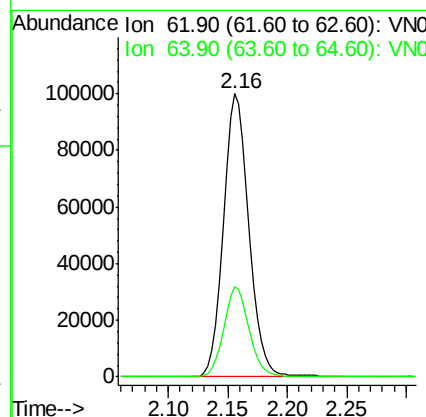
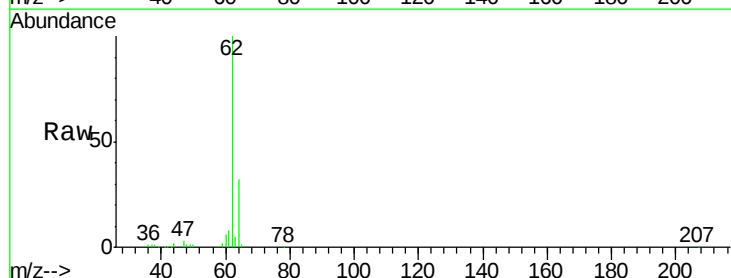
Manual Integrations
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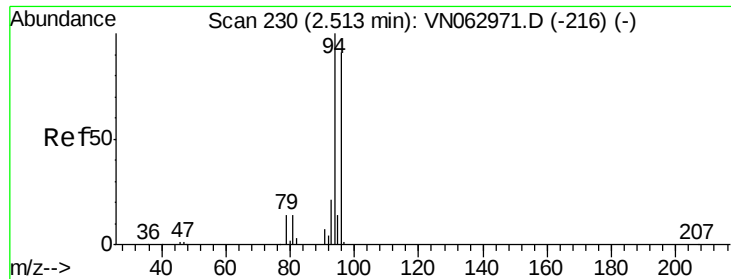
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#4
Vinyl Chloride
Concen: 42.224 ug/l
RT: 2.16 min Scan# 119
Delta R.T. -0.00 min
Lab File: VN062975.D
Acq: 17 Aug 2020 17:50

Tgt Ion	62	Resp	147736
Ion Ratio	100	Lower	Upper
62	100		
64	32.1	25.9	38.9





#5

Bromomethane

Concen: 48.669 ug/l

RT: 2.52 min Scan# 231

Delta R.T. 0.00 min

Lab File: VN062975.D

Acq: 17 Aug 2020 17:50

Instrument :

MSVOA_N

ClientSampleId :

ICVVN081720

Tot Ion: 94 Resp: 120682

Ion Ratio Lower Upper

94 100

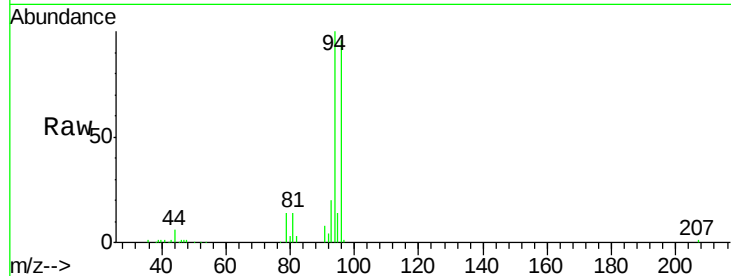
96 95.8 72.9 109.3

Manual Integrations

APPROVED

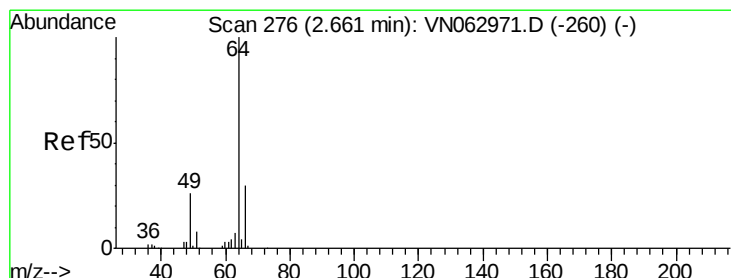
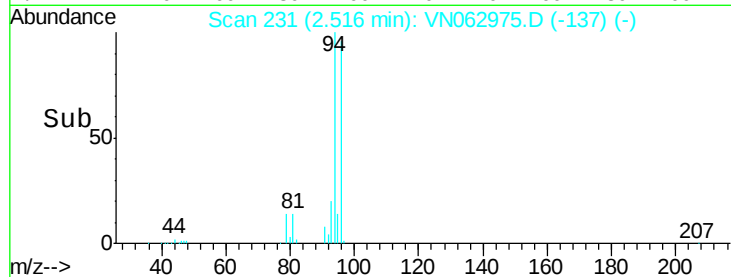
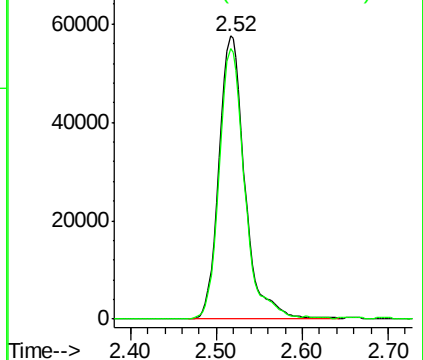
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 49.598 ug/l

RT: 2.66 min Scan# 276

Delta R.T. -0.00 min

Lab File: VN062975.D

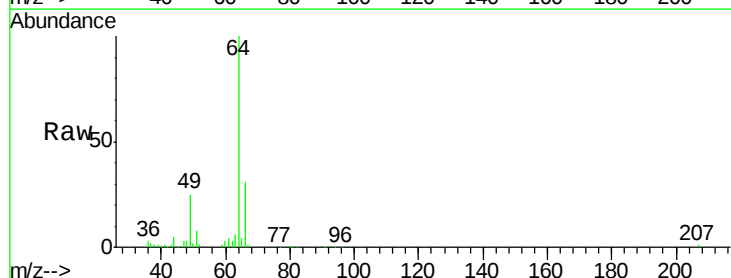
Acq: 17 Aug 2020 17:50

Tgt Ion: 64 Resp: 118185

Ion Ratio Lower Upper

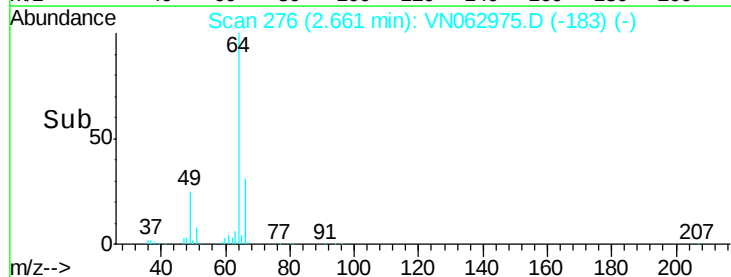
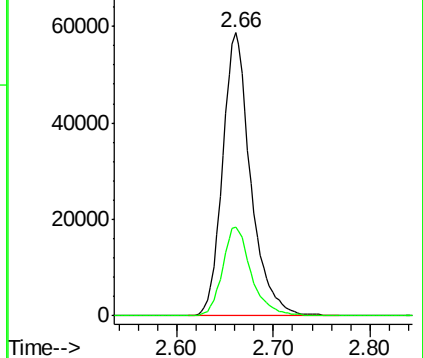
64 100

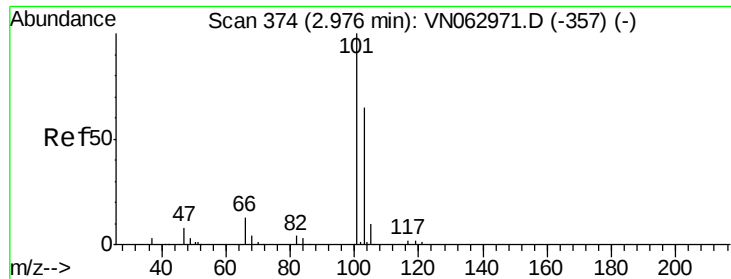
66 31.3 23.8 35.8



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

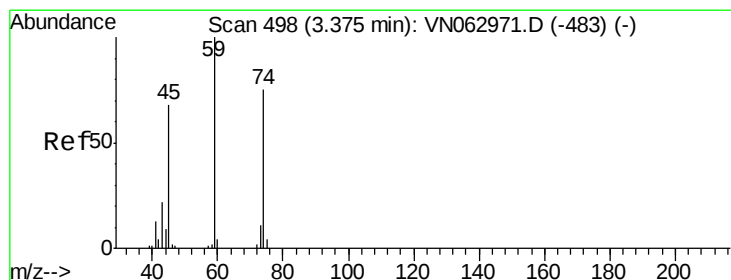
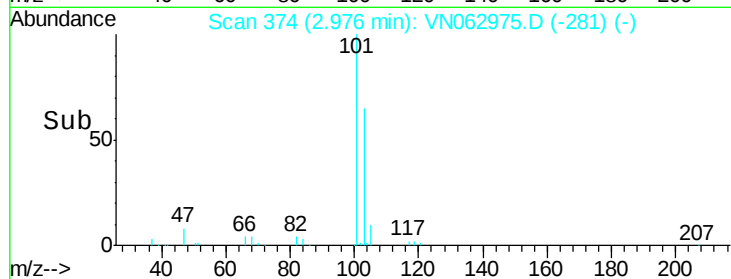
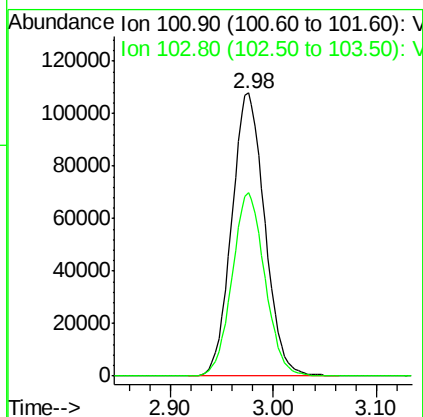
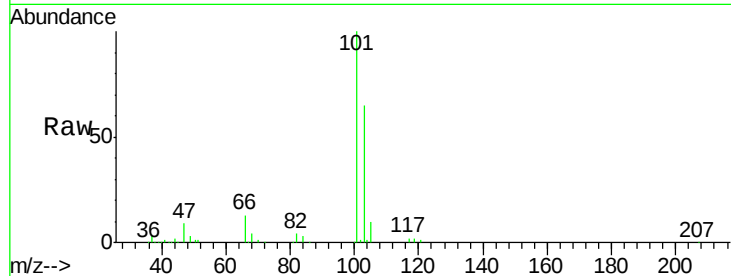
Trichlorofluoromethane
 Concen: 49.416 ug/l
 RT: 2.98 min Scan# 374
 Delta R.T. -0.00 min
 Lab File: VN062975.D
 Acq: 17 Aug 2020 17:50

Instrument :
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		240844		
103	64.7	52.2	78.4		

Manual Integrations
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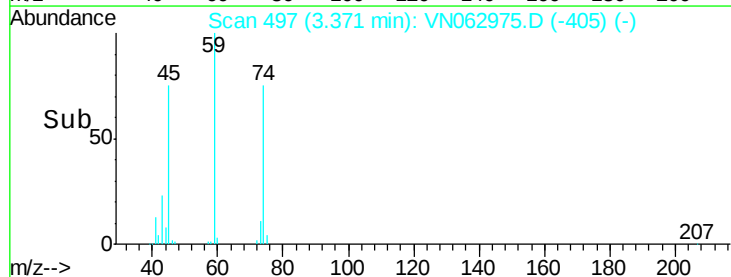
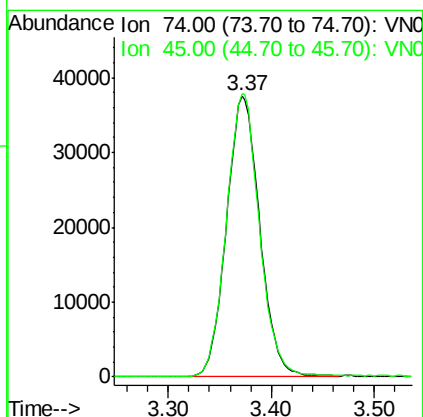
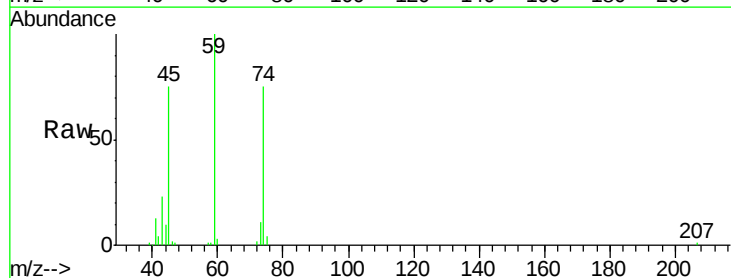
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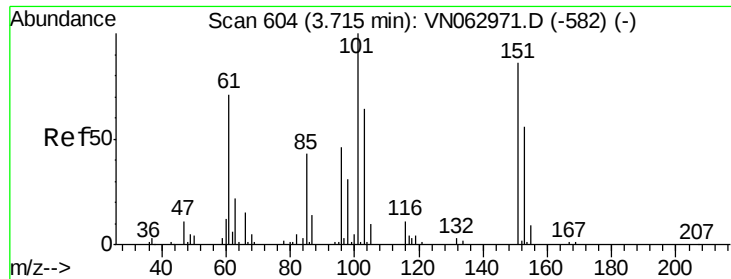


#8

Diethyl Ether
 Concen: 56.398 ug/l
 RT: 3.37 min Scan# 497
 Delta R.T. -0.00 min
 Lab File: VN062975.D
 Acq: 17 Aug 2020 17:50

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		84257		
45	100.3	45.7	137.1		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.898 ug/l

RT: 3.72 min Scan# 604

Delta R.T. -0.00 min

Lab File: VN062975.D

Acq: 17 Aug 2020 17:50

Instrument :

MSVOA_N

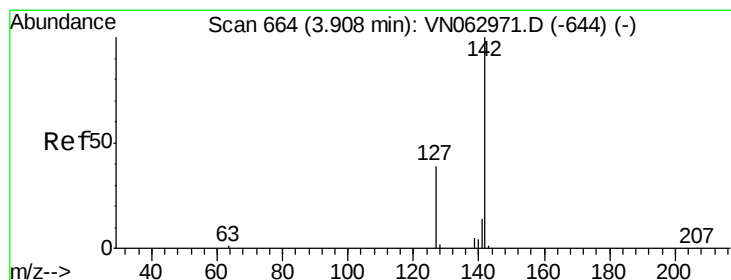
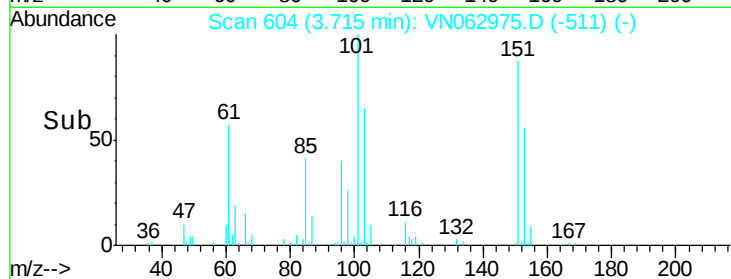
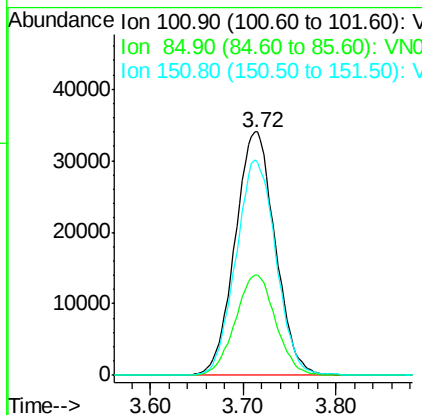
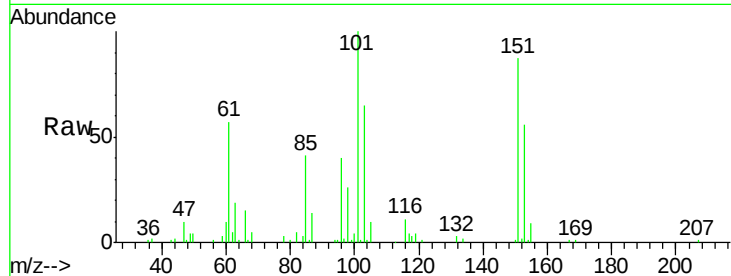
ClientSampleId :

ICVVN081720

Tot Ion	101	Resp	102181
Ion Ratio	Lower	Upper	
101	100		
85	41.3	34.1	51.1
151	88.0	69.3	103.9

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#10

Methyl Iodide

Concen: 46.616 ug/l

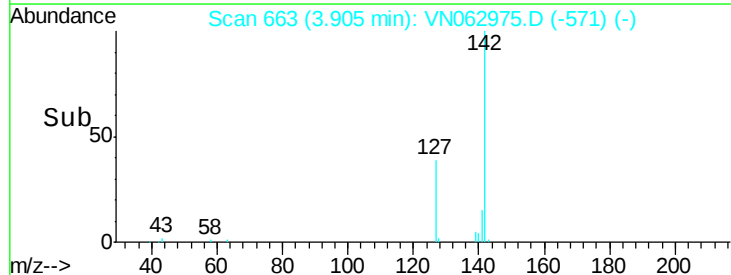
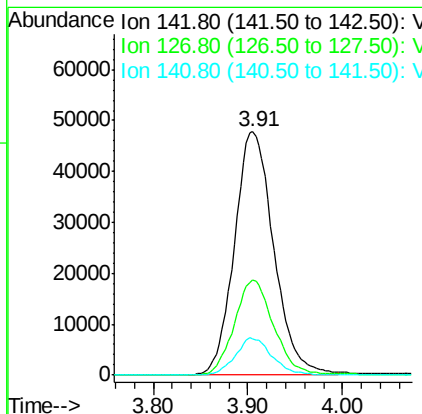
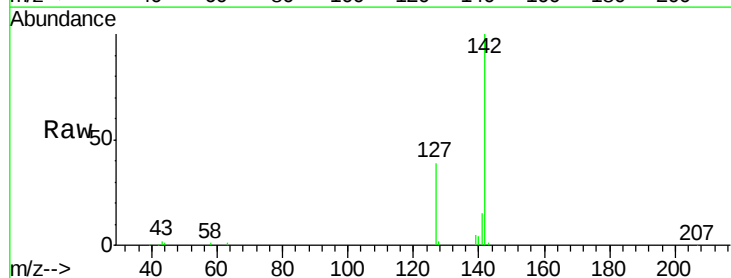
RT: 3.91 min Scan# 663

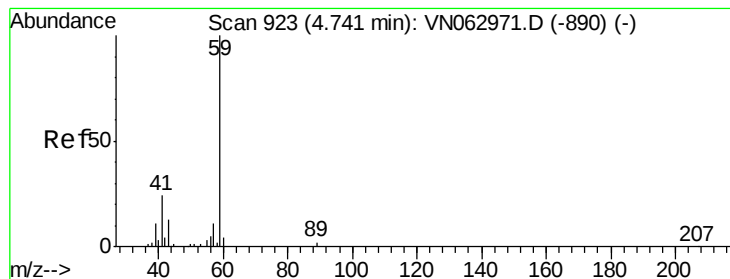
Delta R.T. -0.00 min

Lab File: VN062975.D

Acq: 17 Aug 2020 17:50

Tgt Ion	142	Resp	138323
Ion Ratio	Lower	Upper	
142	100		
127	38.9	31.9	47.9
141	14.3	11.4	17.2





#11

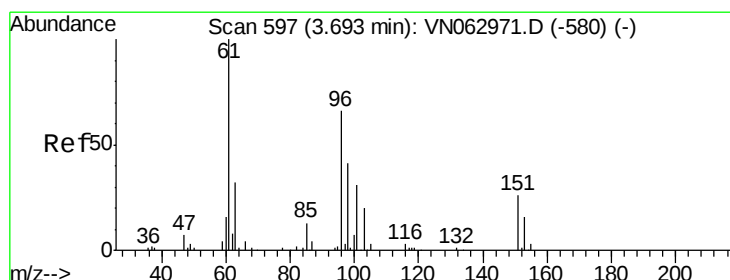
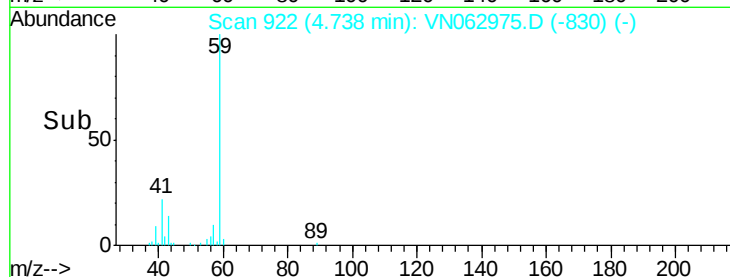
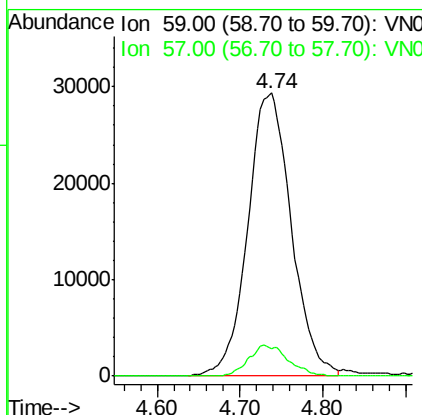
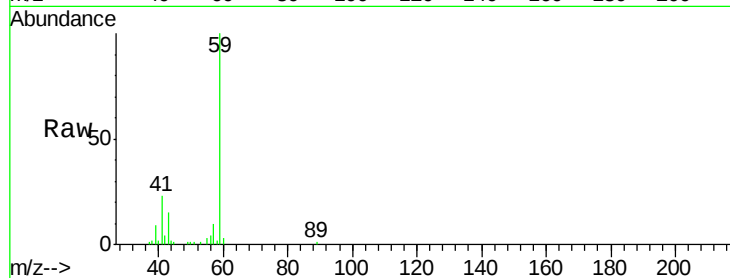
Tert butyl alcohol
Concen: 230.171 ug/l
RT: 4.74 min Scan# 922
Delta R.T. -0.00 min
Lab File: VN062975.D
Acq: 17 Aug 2020 17:50

Instrument :
MSVOA_N
ClientSampleId :
ICVVN081720

Tot Ion	Ratio	Resp	Lower	Upper
59	100	107180		
57	9.9		7.6	11.4

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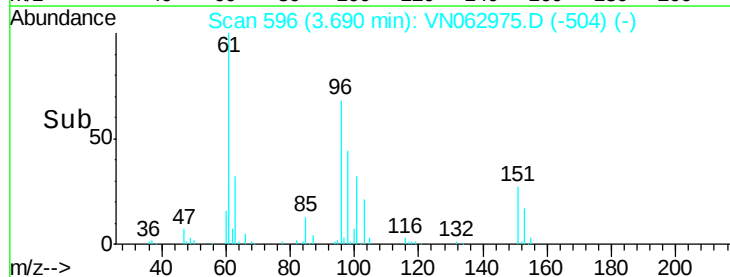
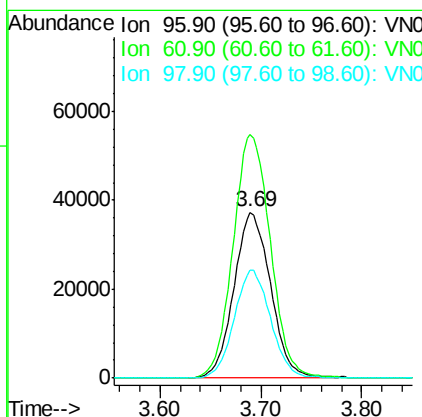
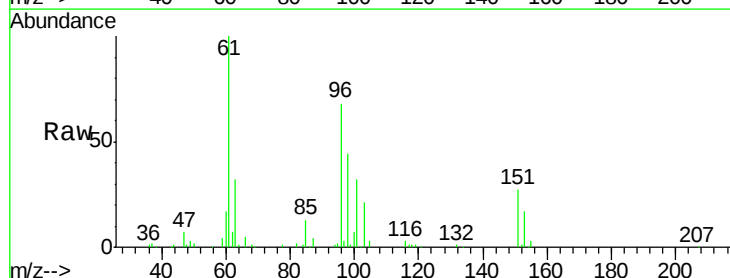
MMDadoda
8/18/2020 11:13:01 AM

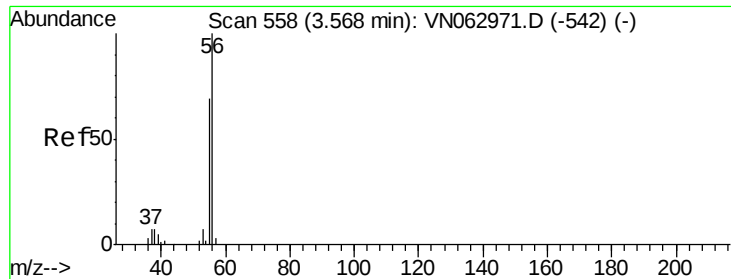


#12

1,1-Dichloroethene
Concen: 42.613 ug/l
RT: 3.69 min Scan# 596
Delta R.T. -0.00 min
Lab File: VN062975.D
Acq: 17 Aug 2020 17:50

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	94160		
61	147.0		120.4	180.6
98	65.3		49.8	74.6





#13

Acrolein

Concen: 186.528 ug/l

RT: 3.56 min Scan# 556

Delta R.T. -0.01 min

Lab File: VN062975.D

Acq: 17 Aug 2020 17:50

Instrument :

MSVOA_N

ClientSampleId :

ICVVN081720

Tot Ion: 56 Resp: 52111

Ion Ratio Lower Upper

56 100

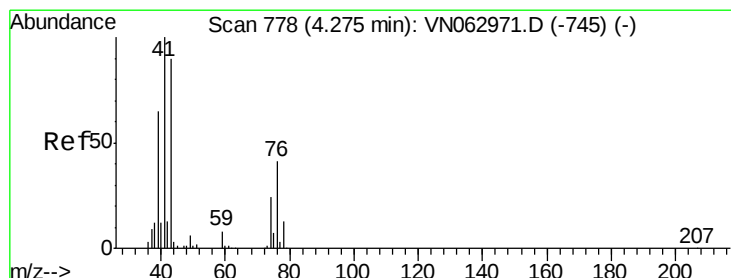
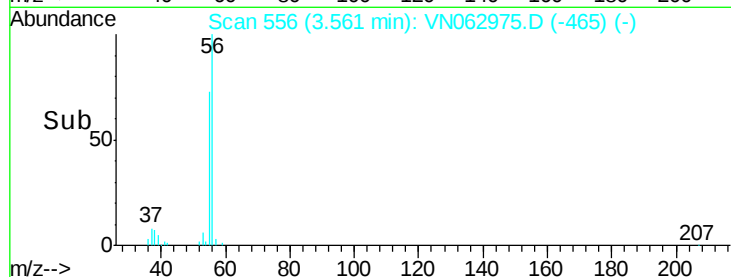
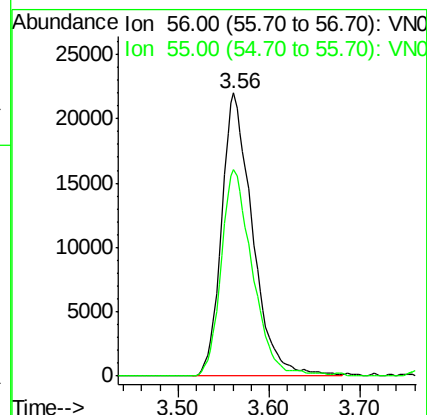
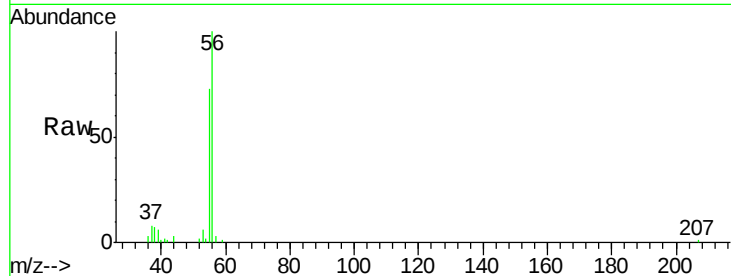
55 73.2 56.1 84.1

Manual Integrations

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#14

Allyl chloride

Concen: 43.533 ug/l

RT: 4.27 min Scan# 777

Delta R.T. -0.00 min

Lab File: VN062975.D

Acq: 17 Aug 2020 17:50

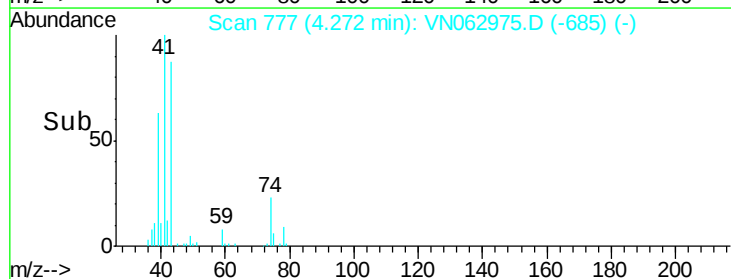
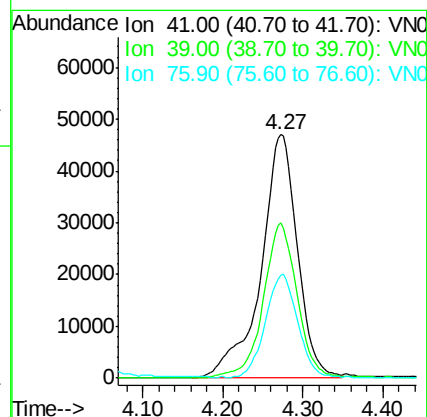
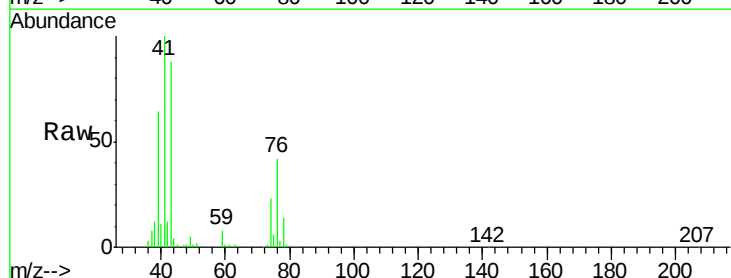
Tgt Ion: 41 Resp: 148528

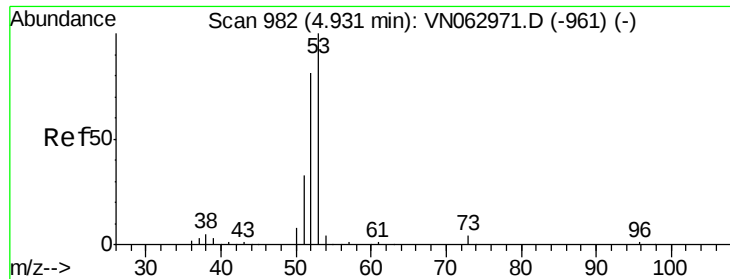
Ion Ratio Lower Upper

41 100

39 59.0 46.7 70.1

76 37.9 30.2 45.4





#15

Acrylonitrile

Concen: 237.467 ug/l

RT: 4.93 min Scan# 981

Delta R.T. -0.00 min

Lab File: VN062975.D

Acq: 17 Aug 2020 17:50

Instrument :

MSVOA_N

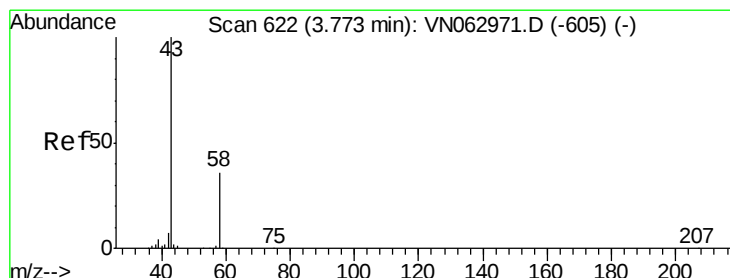
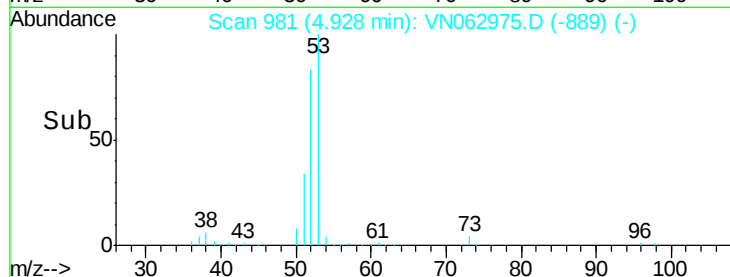
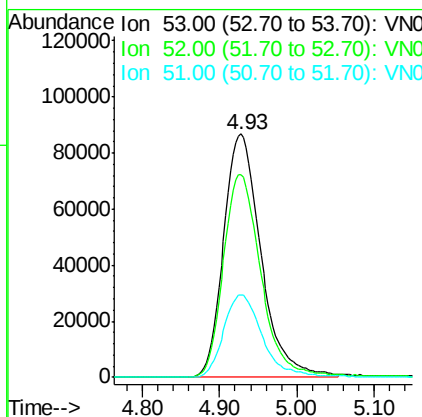
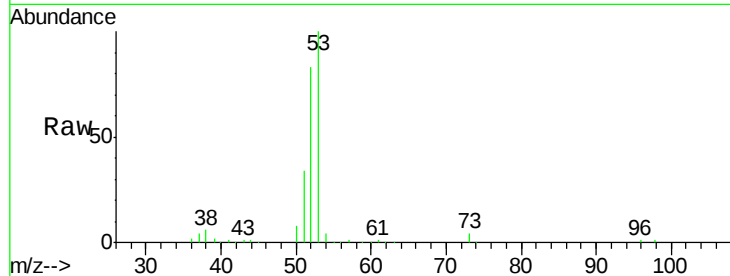
ClientSampleId :

ICVVN081720

Tot Ion:	53	Resp:	291613
Ion	Ratio	Lower	Upper
53	100		
52	83.7	65.0	97.6
51	35.5	27.4	41.2

Manual Integrations
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#16

Acetone

Concen: 252.414 ug/l

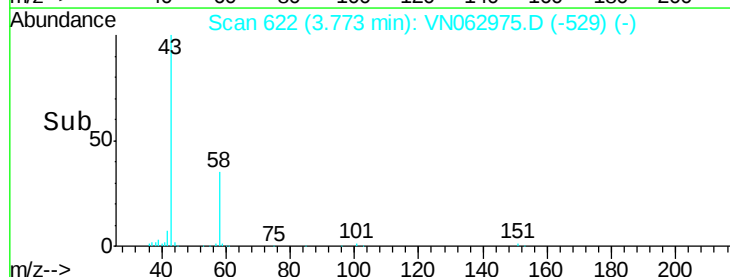
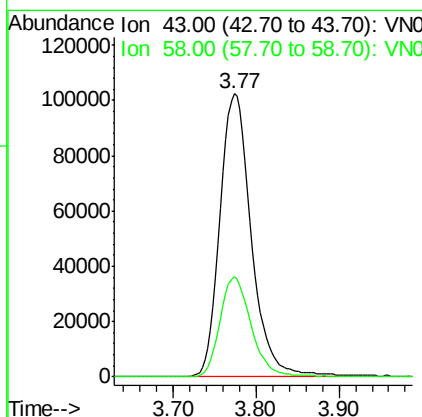
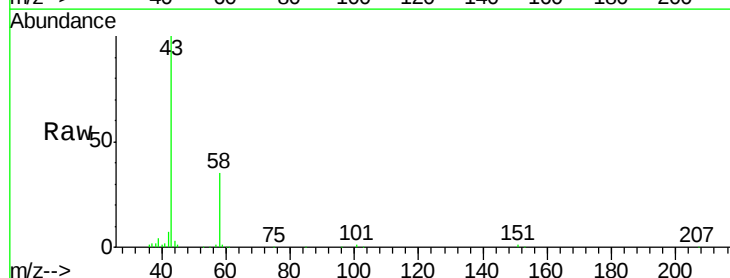
RT: 3.77 min Scan# 622

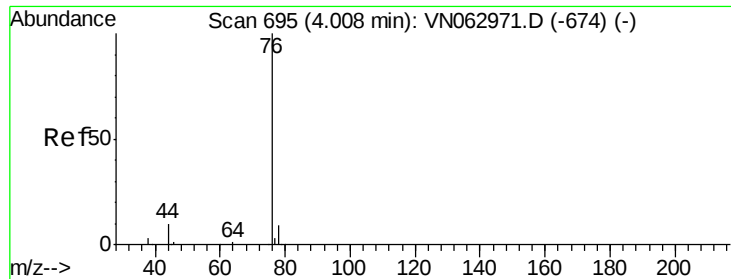
Delta R.T. -0.00 min

Lab File: VN062975.D

Acq: 17 Aug 2020 17:50

Tgt Ion:	43	Resp:	266316
Ion	Ratio	Lower	Upper
43	100		
58	35.5	28.7	43.1





#17

Carbon Disulfide

Concen: 39.505 ug/l

RT: 4.00 min Scan# 694

Delta R.T. -0.00 min

Lab File: VN062975.D

Acq: 17 Aug 2020 17:50

Instrument :

MSVOA_N

ClientSampleId :

ICVVN081720

Tot Ion: 76 Resp: 250493

Ion Ratio Lower Upper

76 100

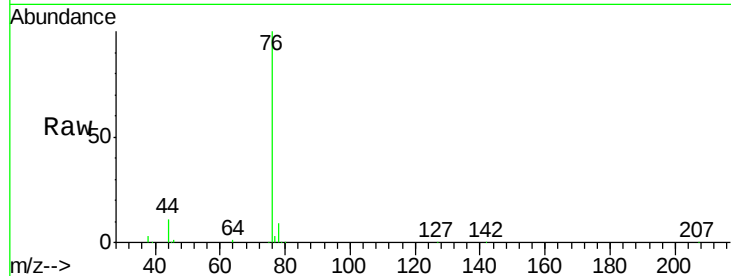
78 9.2 7.4 11.0

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN062971.D (-674) (-)

Ion 77.90 (77.60 to 78.60): VN062975.D (-602) (-)

4.00

100000

80000

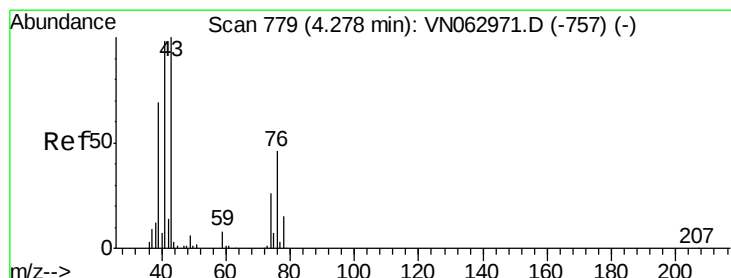
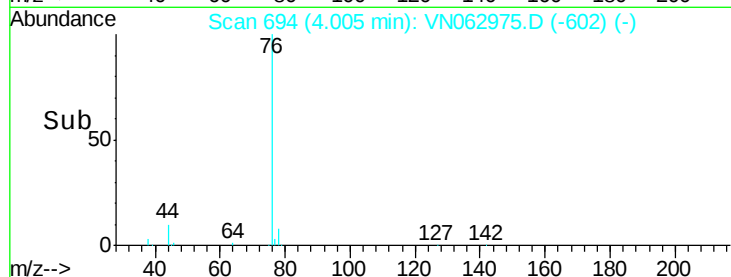
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 52.948 ug/l

RT: 4.27 min Scan# 778

Delta R.T. -0.00 min

Lab File: VN062975.D

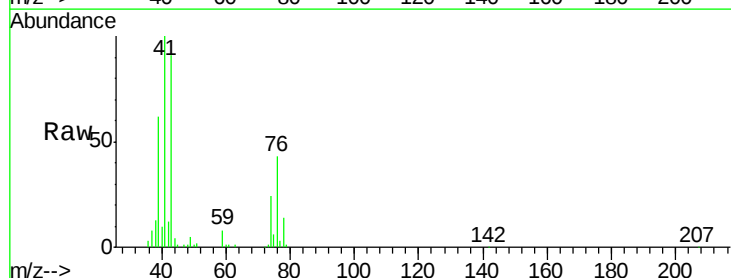
Acq: 17 Aug 2020 17:50

Tgt Ion: 43 Resp: 125272

Ion Ratio Lower Upper

43 100

74 26.4 21.6 32.4



Abundance Ion 43.00 (42.70 to 43.70): VN062971.D (-757) (-)

Ion 74.00 (73.70 to 74.70): VN062975.D (-686) (-)

4.27

50000

40000

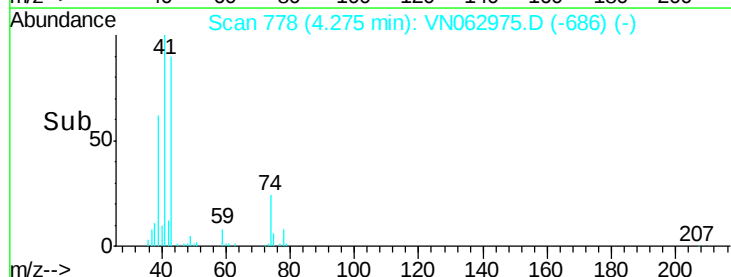
30000

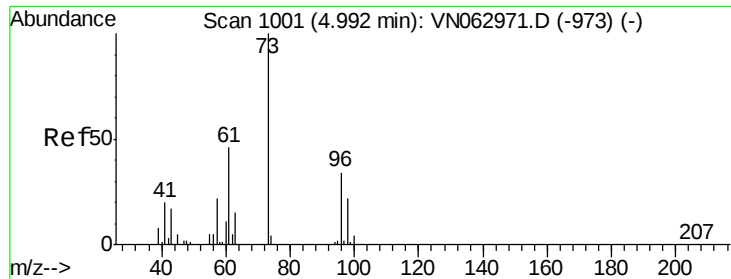
20000

10000

0

Time-->





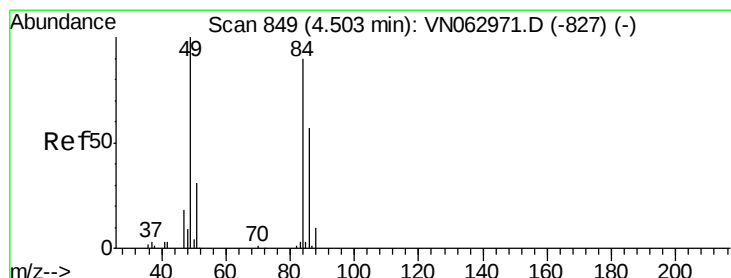
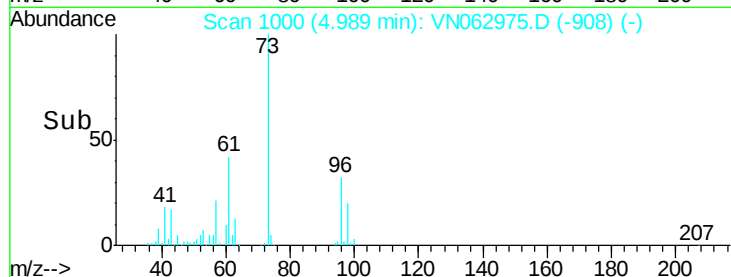
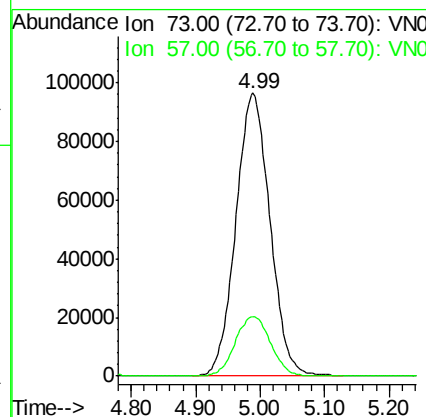
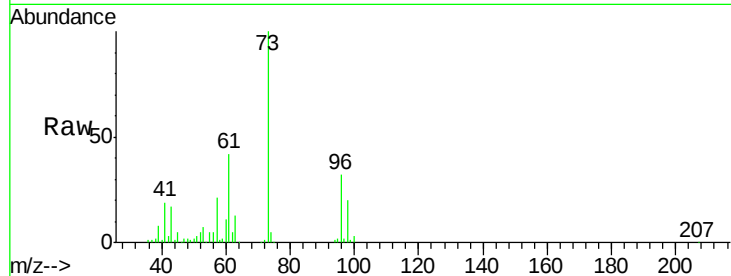
#19
Methvl tert-butvl Ether
Concen: 49.163 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. -0.00 min
Lab File: VN062975.D
Acq: 17 Aug 2020 17:50

Instrument :
MSVOA_N
ClientSampleId :
ICVVN081720

Tot Ion: 73 Resp: 354857
Ion Ratio Lower Upper
73 100
57 21.2 17.6 26.4

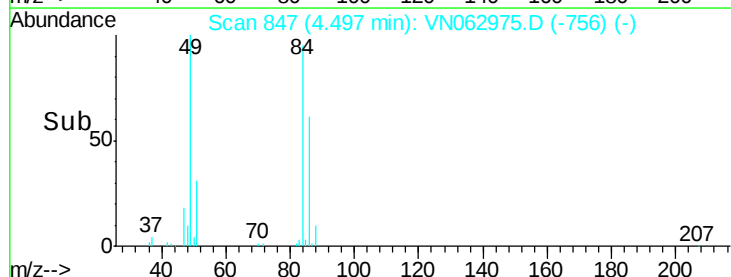
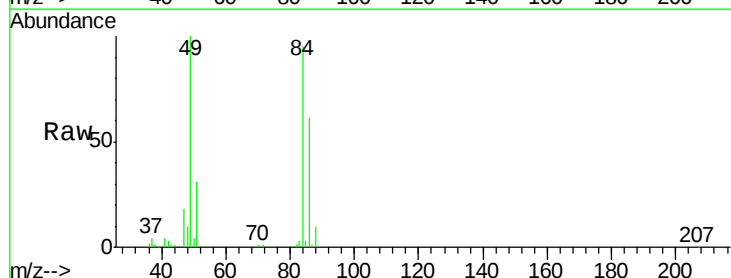
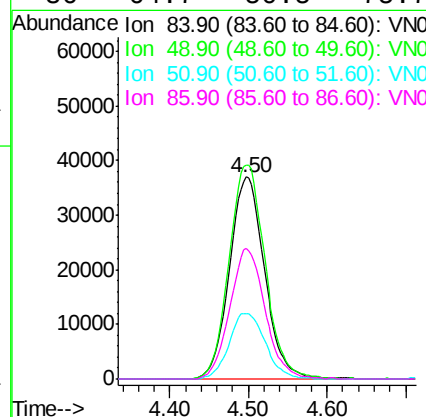
Manual Integrations
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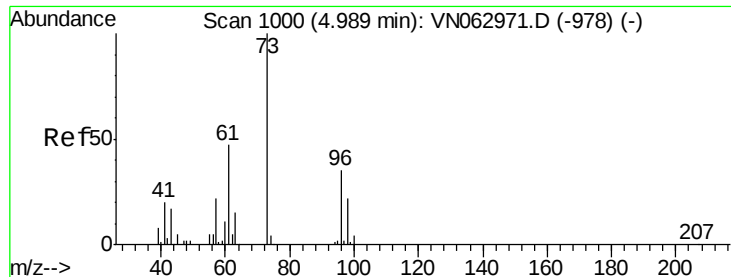
MMDadoda
8/18/2020 11:13:01 AM



#20
Methylene Chloride
Concen: 45.162 ug/l
RT: 4.50 min Scan# 847
Delta R.T. -0.01 min
Lab File: VN062975.D
Acq: 17 Aug 2020 17:50

Tgt Ion: 84 Resp: 115007
Ion Ratio Lower Upper
84 100
49 105.8 88.8 133.2
51 32.6 27.1 40.7
86 64.7 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 45.033 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.01 min

Lab File: VN062975.D

Acq: 17 Aug 2020 17:50

Instrument :

MSVOA_N

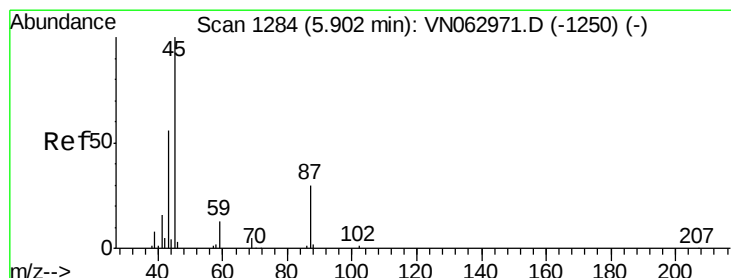
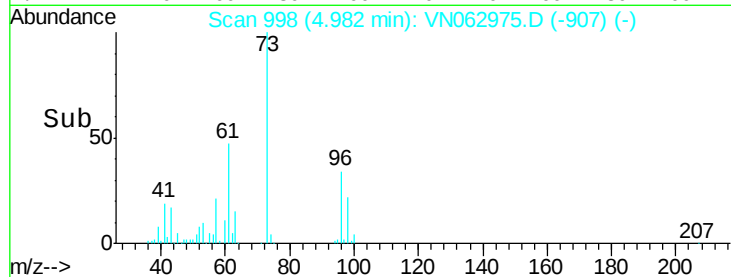
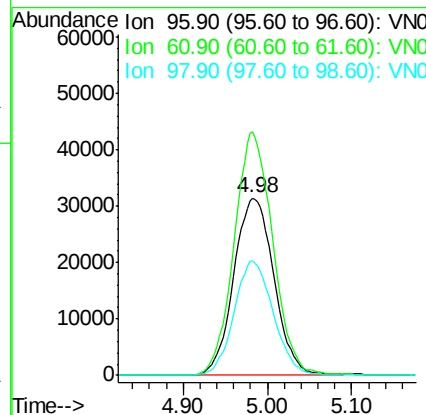
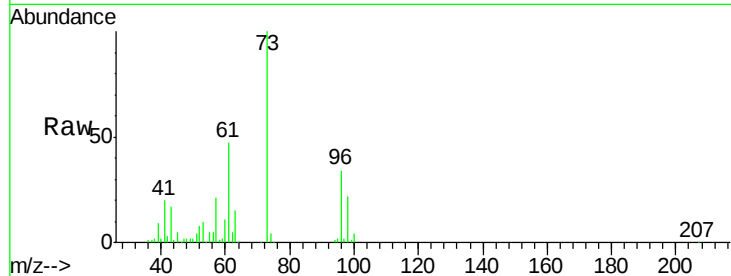
ClientSampleId :

ICVVN081720

Tot Ion:	96	Resp:	104230
Ion	Ratio	Lower	Upper
96	100		
61	137.2	107.7	161.5
98	64.5	51.0	76.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 46.989 ug/l

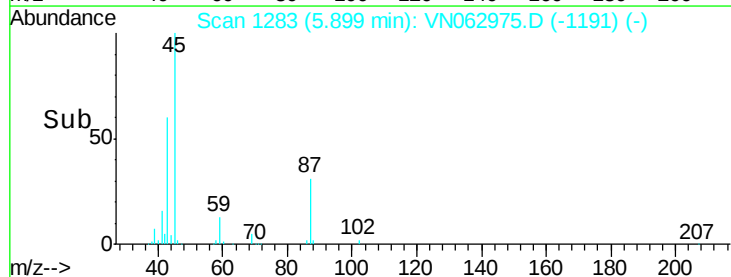
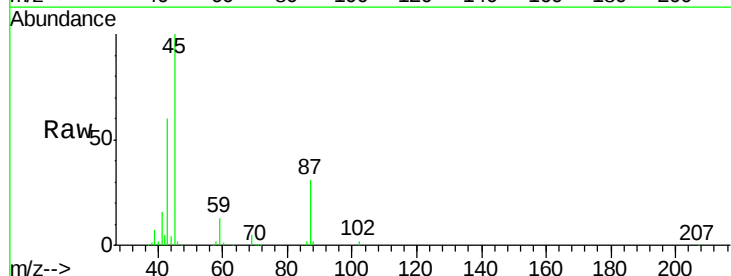
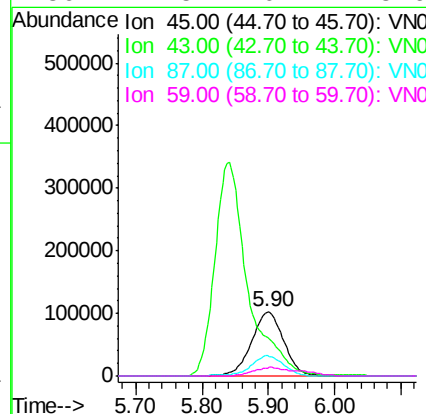
RT: 5.90 min Scan# 1283

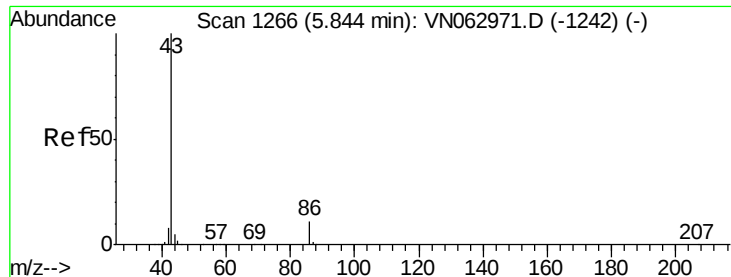
Delta R.T. -0.00 min

Lab File: VN062975.D

Acq: 17 Aug 2020 17:50

Tgt Ion:	45	Resp:	346421
Ion	Ratio	Lower	Upper
45	100		
43	58.3	47.1	70.7
87	31.3	24.3	36.5
59	12.5	10.4	15.6





#23

Vinyl Acetate

Concen: 226.726 ug/l

RT: 5.84 min Scan# 1265

Delta R.T. -0.00 min

Lab File: VN062975.D

Acq: 17 Aug 2020 17:50

Instrument :

MSVOA_N

ClientSampleId :

ICVVN081720

Tot Ion: 43 Resp: 1178188

Ion Ratio Lower Upper

43 100

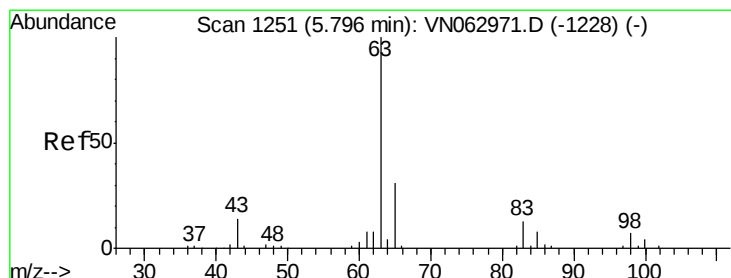
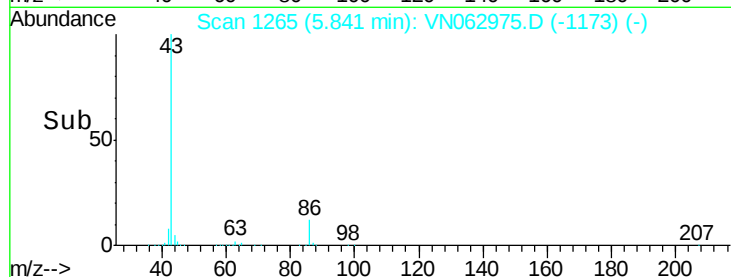
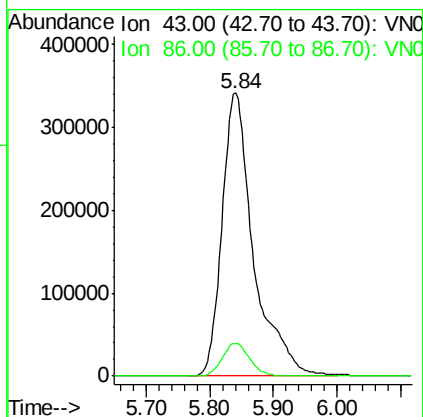
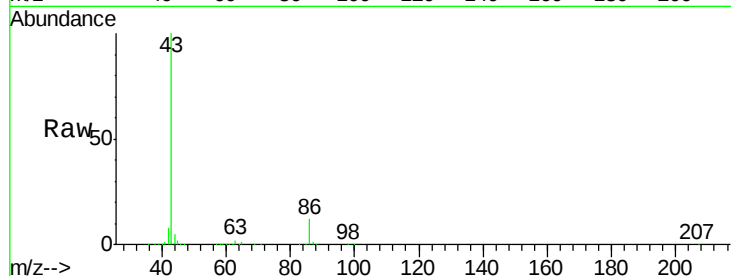
86 11.6 9.1 13.7

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 45.100 ug/l

RT: 5.79 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VN062975.D

Acq: 17 Aug 2020 17:50

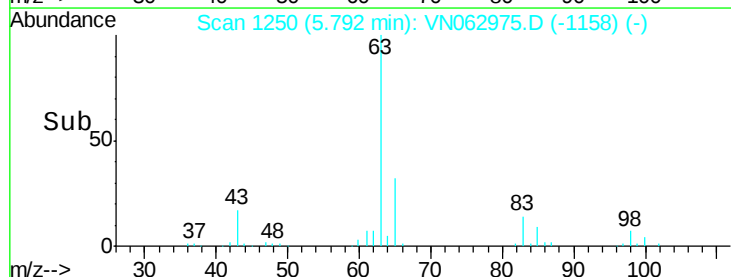
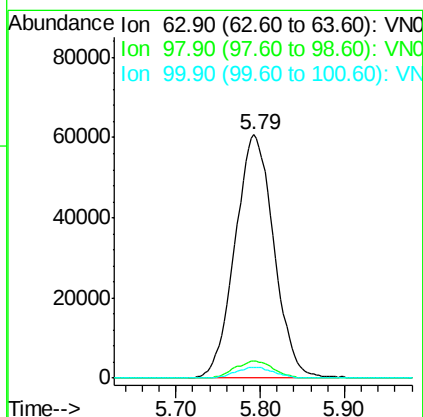
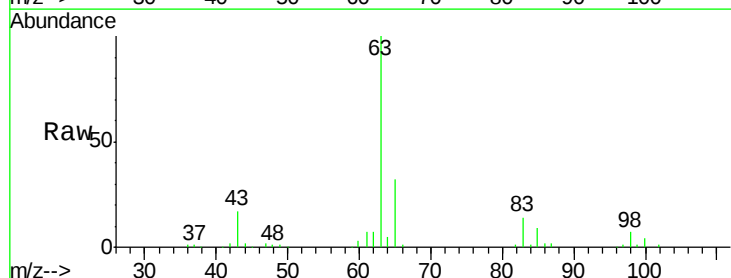
Tgt Ion: 63 Resp: 194399

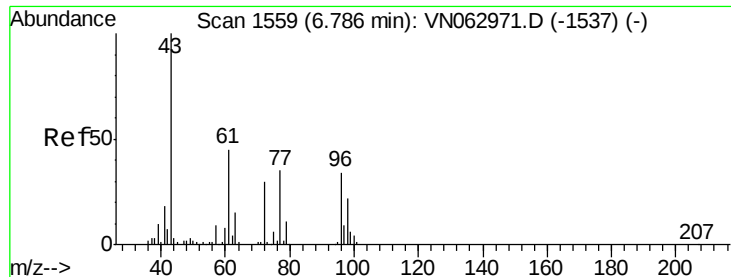
Ion Ratio Lower Upper

63 100

98 7.2 3.3 9.9

100 4.5 2.0 6.0





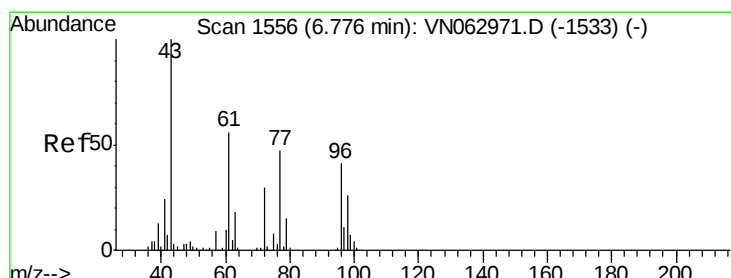
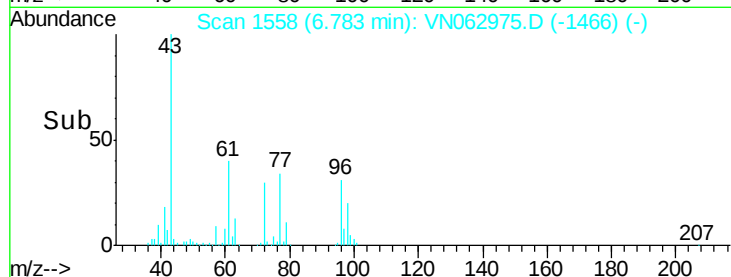
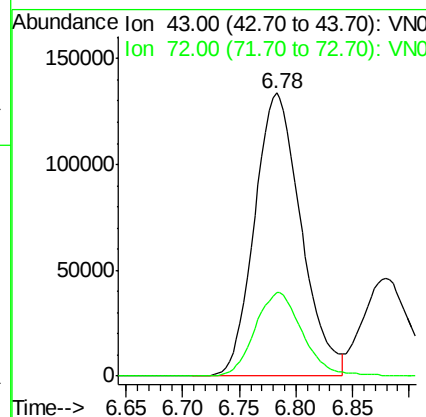
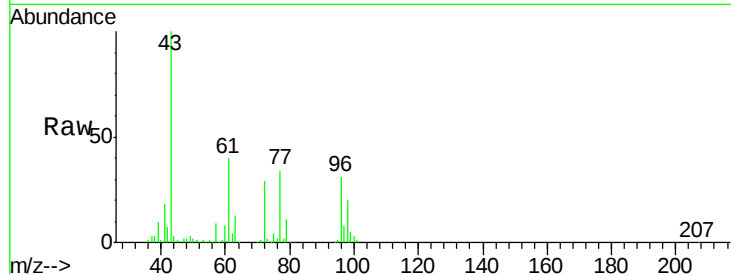
#25
2-Butanone
Concen: 250.193 ug/l
RT: 6.78 min Scan# 1558
Delta R.T. -0.00 min
Lab File: VN062975.D
Acq: 17 Aug 2020 17:50

Instrument :
MSVOA_N
ClientSampled :
ICVVN081720

Tot Ion: 43 Resp: 380445
Ion Ratio Lower Upper
43 100
72 29.5 23.9 35.9

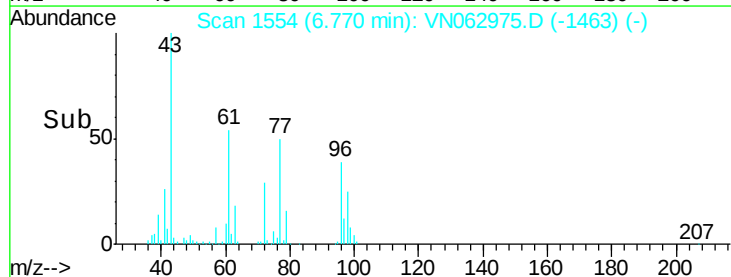
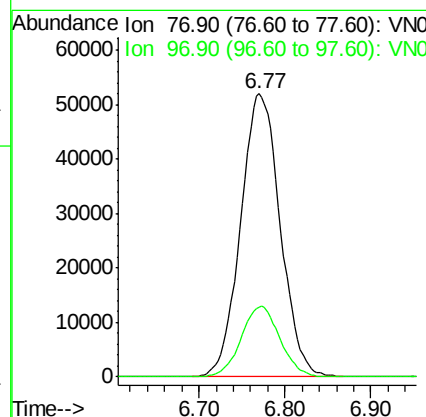
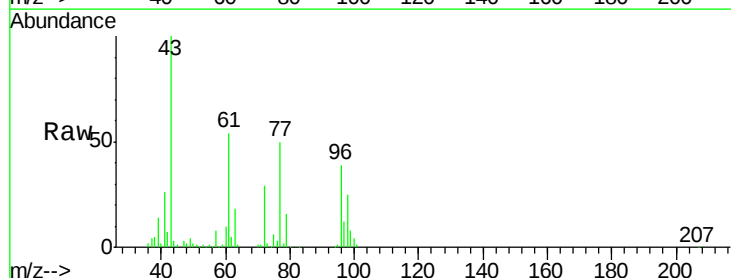
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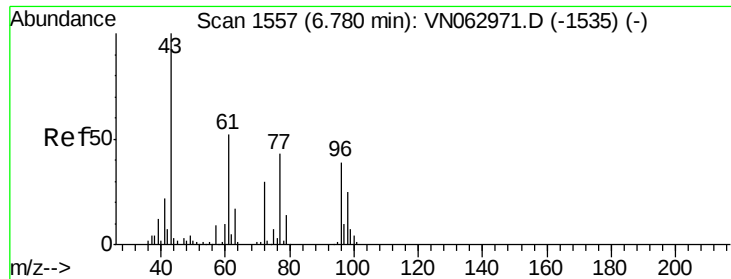
MMDadoda
8/18/2020 11:13:01 AM



#26
2,2-Dichloropropane
Concen: 46.620 ug/l
RT: 6.77 min Scan# 1554
Delta R.T. -0.01 min
Lab File: VN062975.D
Acq: 17 Aug 2020 17:50

Tgt Ion: 77 Resp: 166108
Ion Ratio Lower Upper
77 100
97 24.4 12.0 36.1





#27

cis-1,2-Dichloroethene

Concen: 45.922 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. -0.00 min

Lab File: VN062975.D

Acq: 17 Aug 2020 17:50

Instrument :

MSVOA_N

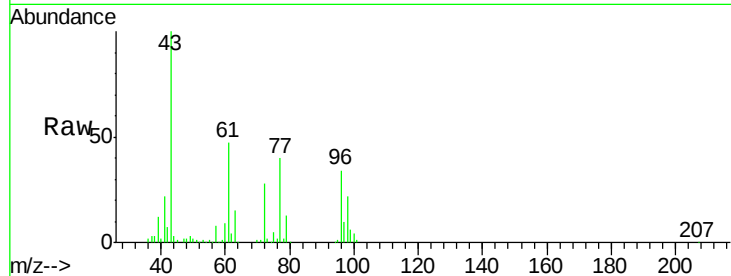
ClientSampleId :

ICVVN081720

Tot Ion:	96	Resp:	126103
Ion	Ratio	Lower	Upper
96	100		
61	135.9	0.0	270.4
98	63.8	0.0	128.2

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MMDadoda
8/18/2020 11:13:01 AM

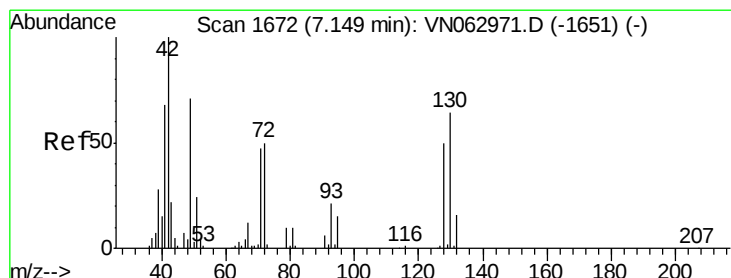
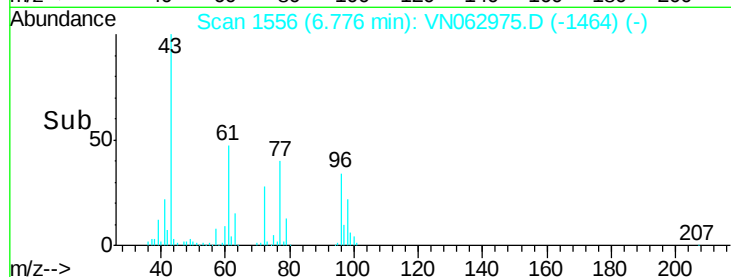
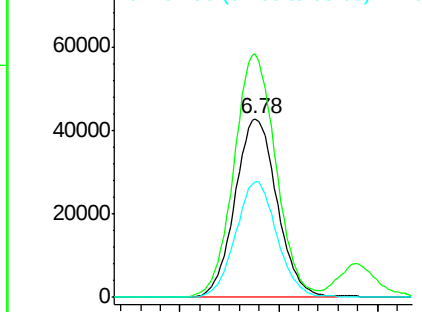


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 48.604 ug/l

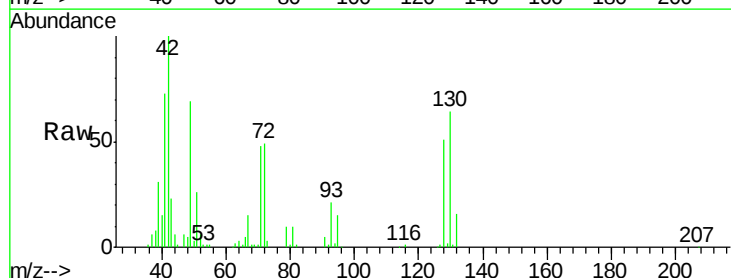
RT: 7.15 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VN062975.D

Acq: 17 Aug 2020 17:50

Tgt Ion:	49	Resp:	100997
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.2
130	91.8	73.5	110.3

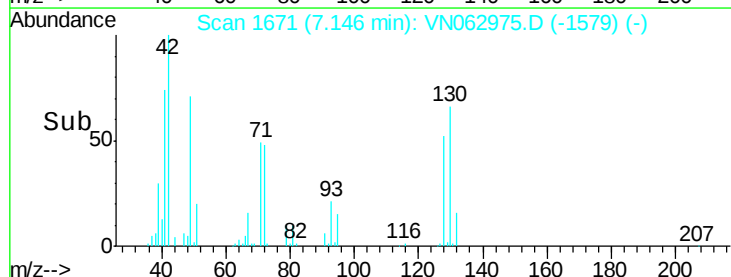
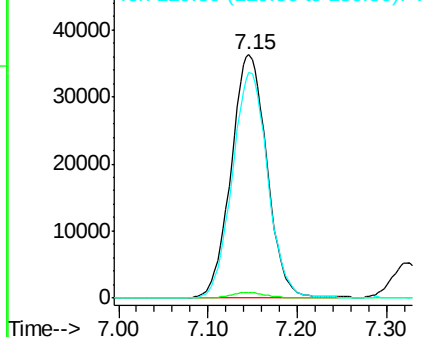


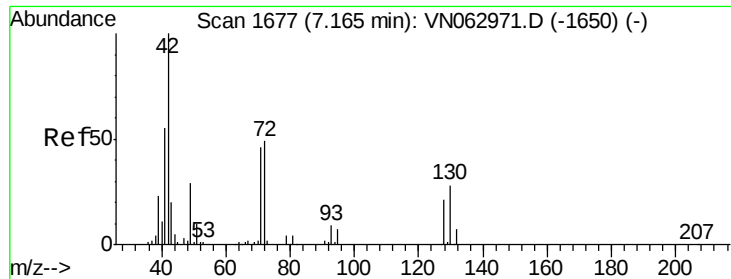
Abundance

Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): VN0

Ion 129.80 (129.50 to 130.50): VN0





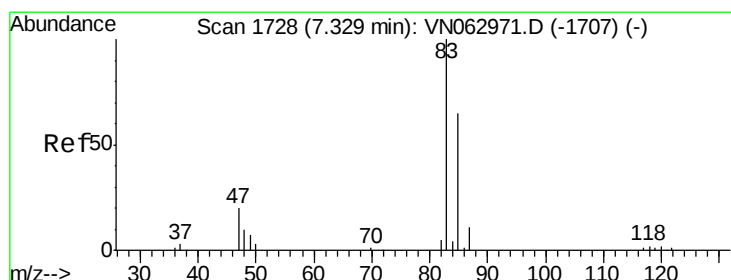
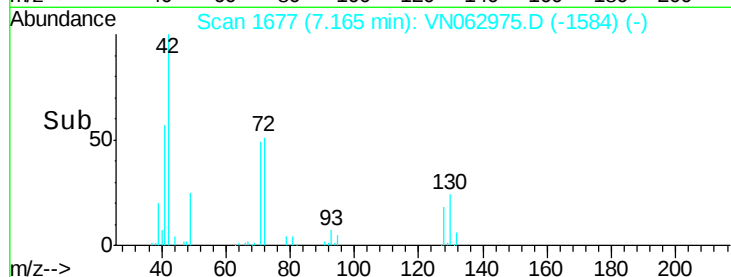
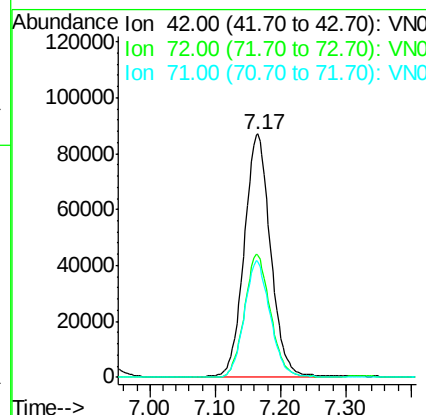
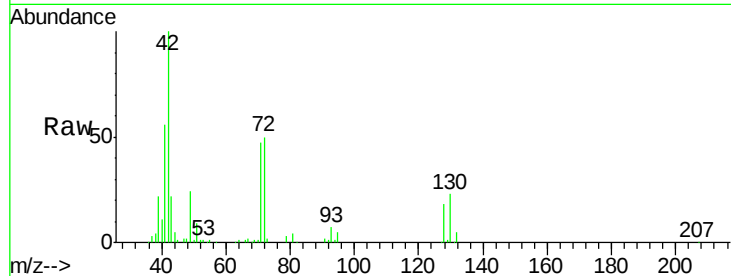
#29
Tetrahydrofuran
Concen: 276.087 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. 0.00 min
Lab File: VN062975.D
Acq: 17 Aug 2020 17:50

Instrument :
MSVOA_N
ClientSampleId :
ICVVN081720

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.4	39.4	59.2
71	46.6	37.2	55.8

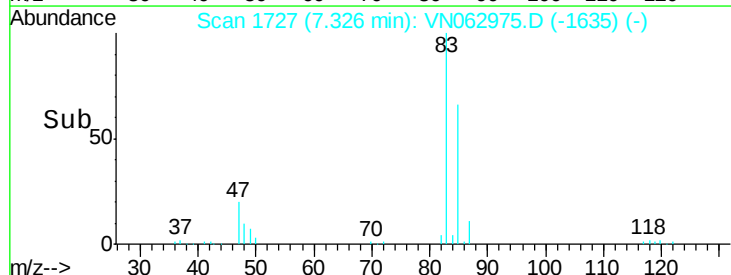
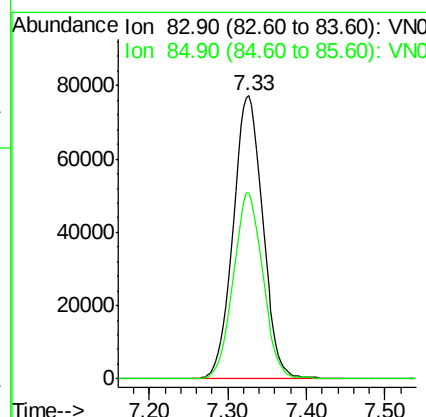
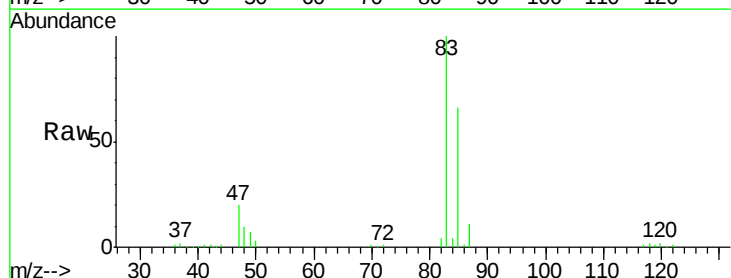
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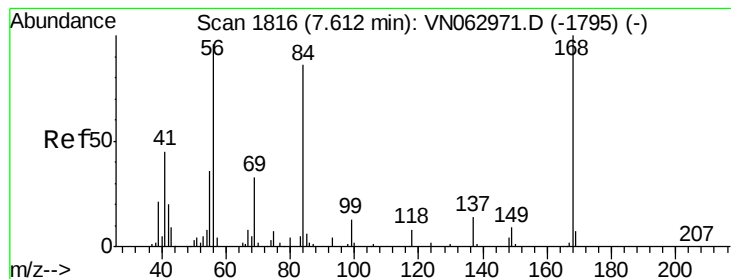
MMDadoda
8/18/2020 11:13:01 AM



#30
Chloroform
Concen: 45.092 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VN062975.D
Acq: 17 Aug 2020 17:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	52.2	78.4





#31

Cyclohexane

Concen: 45.935 ug/l

RT: 7.61 min Scan# 1815

Delta R.T. -0.00 min

Lab File: VN062975.D

Acq: 17 Aug 2020 17:50

Instrument :

MSVOA_N

ClientSampleId :

ICVVN081720

Tot Ion: 56 Resp: 193073

Ion Ratio Lower Upper

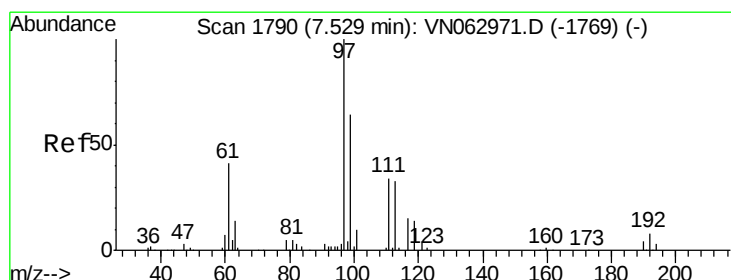
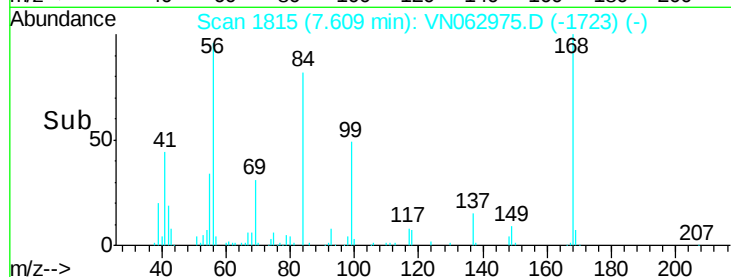
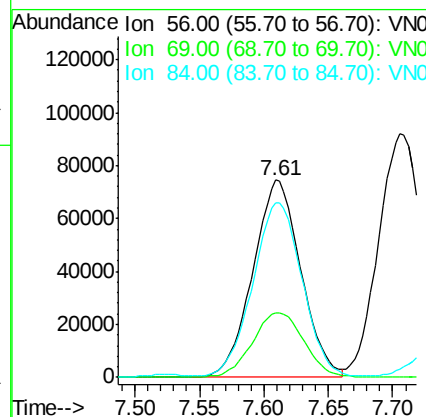
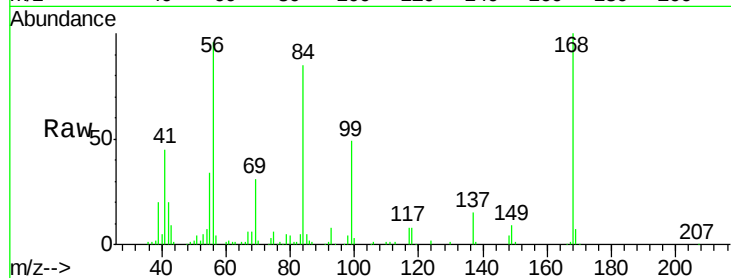
56 100

69 32.7 27.4 41.2

84 87.4 71.3 106.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 46.278 ug/l

RT: 7.53 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VN062975.D

Acq: 17 Aug 2020 17:50

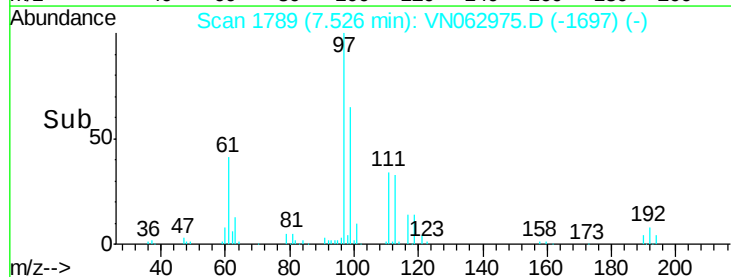
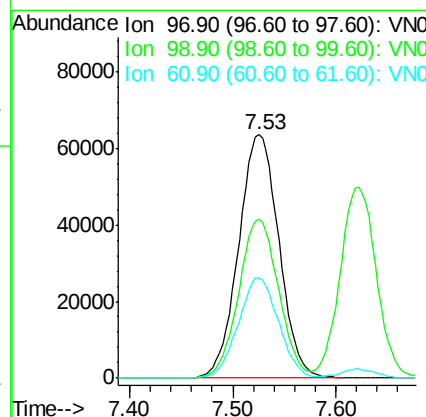
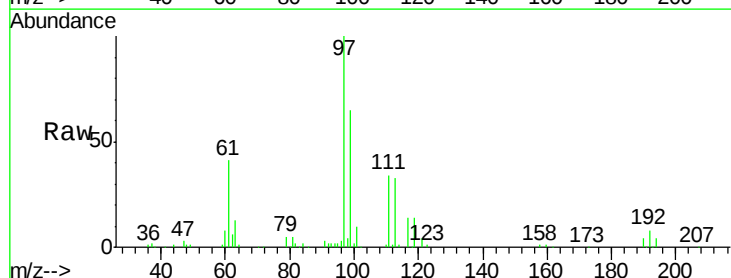
Tgt Ion: 97 Resp: 172657

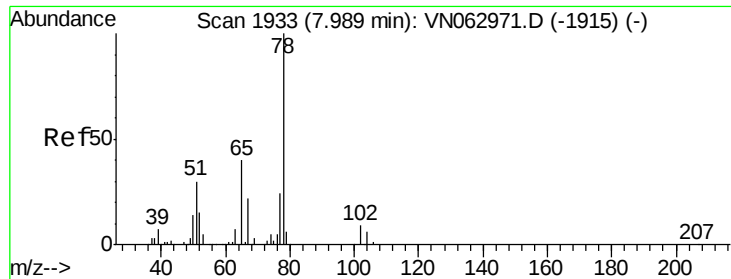
Ion Ratio Lower Upper

97 100

99 64.7 52.2 78.4

61 41.1 33.5 50.3





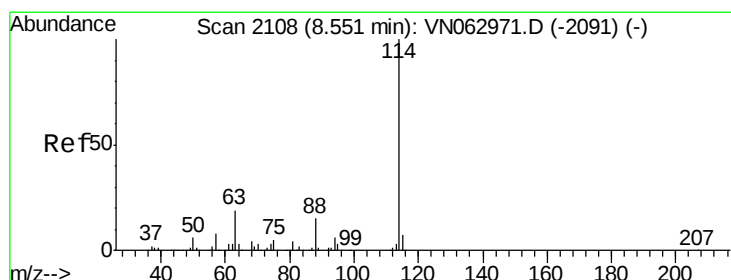
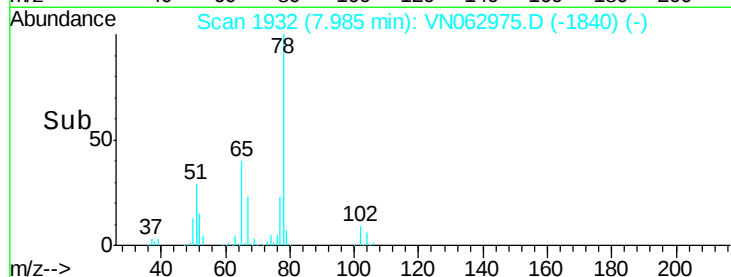
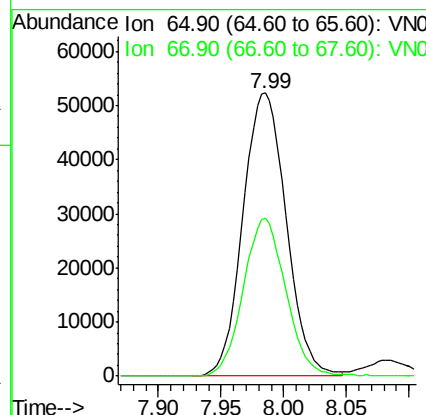
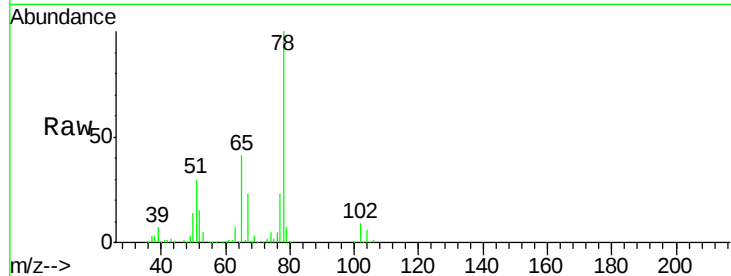
#33
 1,2-Dichloroethane-d4
 Concen: 46.119 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VN062975.D
 Acq: 17 Aug 2020 17:50

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN081720

Tot Ion	Ratio	Resp	Lower	Upper
65	100	125670		
67	54.7	0.0	108.6	

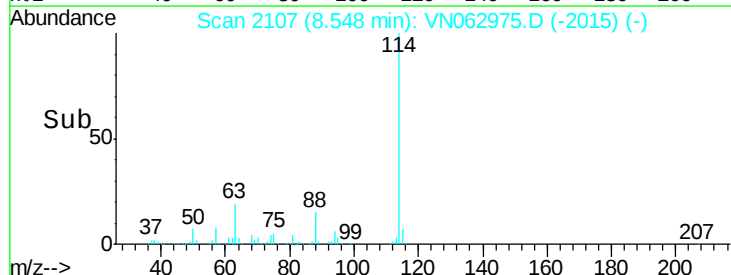
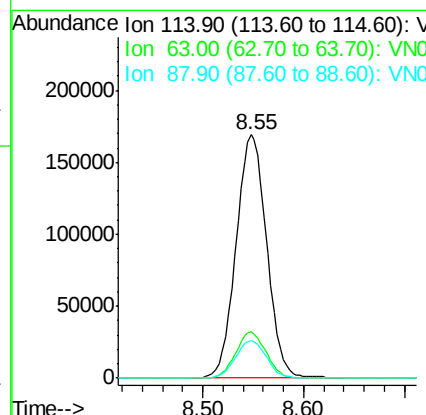
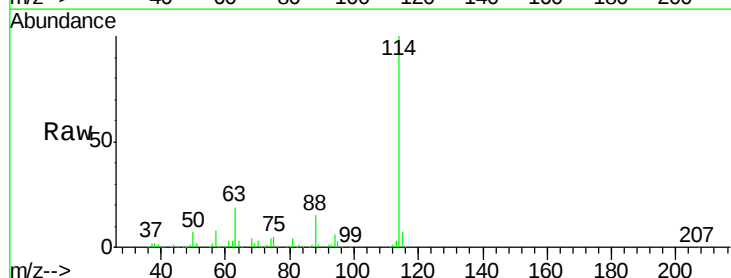
Manual Integrations
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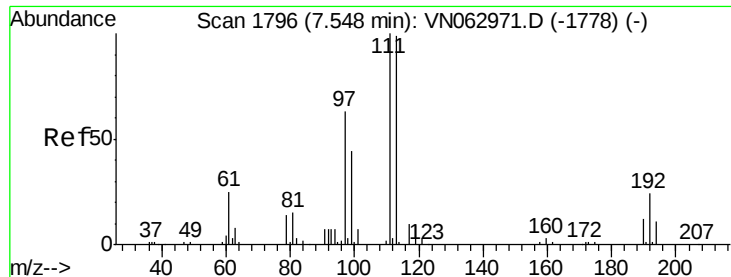
MMDadoda
 8/18/2020 11:13:01 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN062975.D
 Acq: 17 Aug 2020 17:50

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	356209		
63	18.9	0.0	37.6	
88	15.2	0.0	31.0	





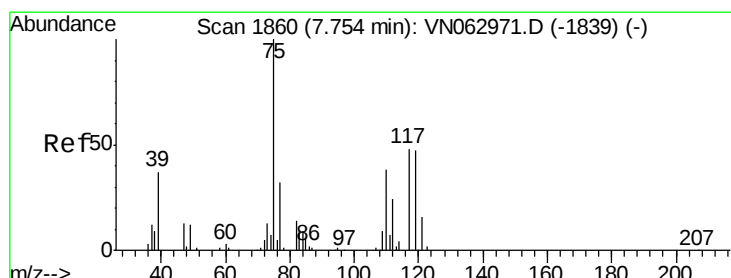
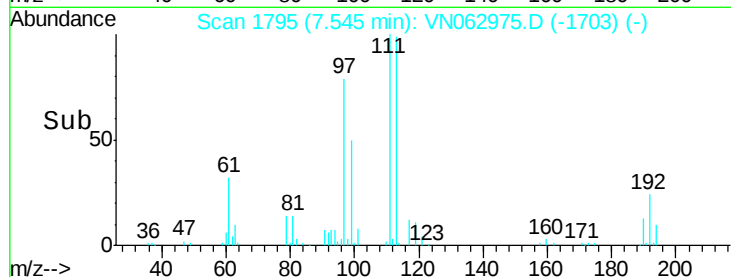
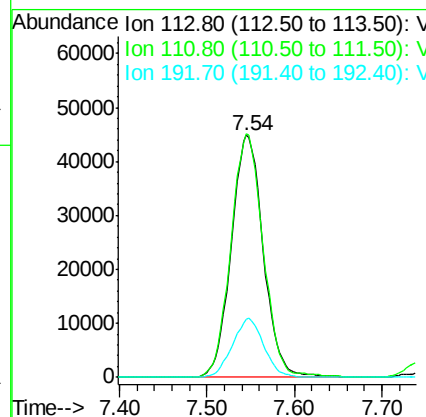
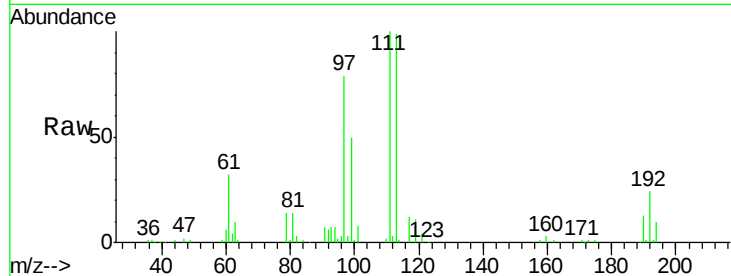
#35
 Dibromofluoromethane
 Concen: 49.011 ug/l
 RT: 7.54 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VN062975.D
 Acq: 17 Aug 2020 17:50

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN081720

Tot Ion	Ratio	Resp	Lower	Upper
113	100	113713		
111	101.6	81.4	122.0	
192	23.9	19.2	28.8	

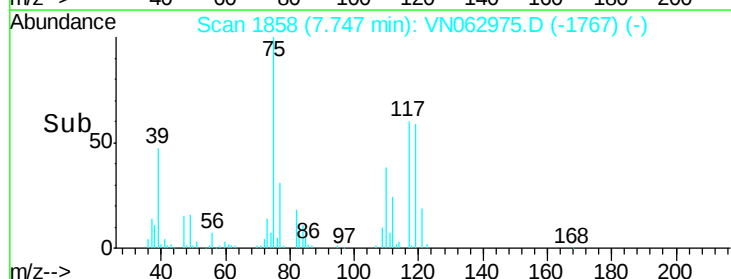
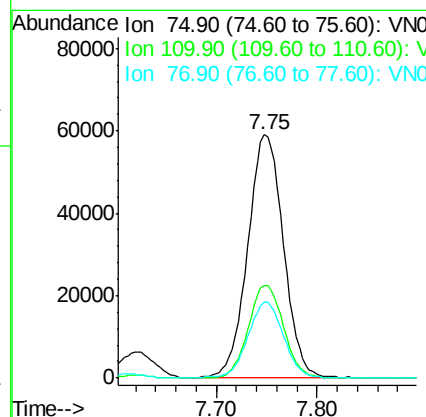
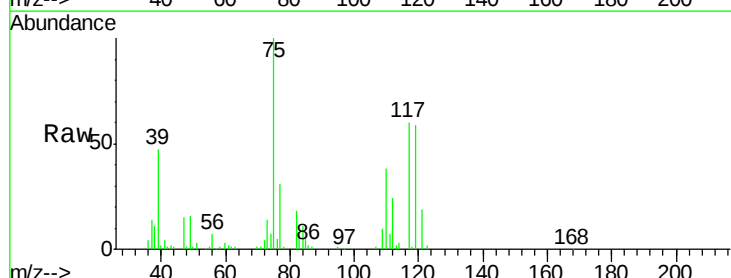
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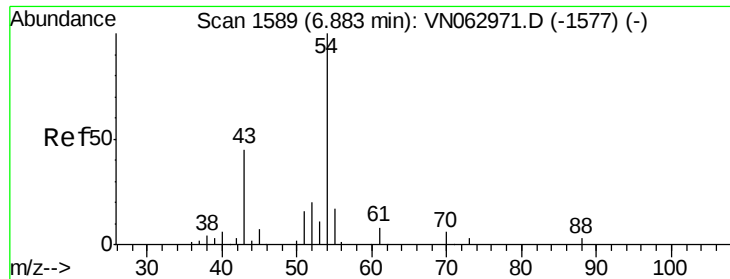
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 8/18/2020 11:13:01 AM



#36
 1,1-Dichloropropene
 Concen: 47.108 ug/l
 RT: 7.75 min Scan# 1858
 Delta R.T. -0.01 min
 Lab File: VN062975.D
 Acq: 17 Aug 2020 17:50

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	143945		
110	37.9	18.7	56.1	
77	31.5	25.6	38.4	





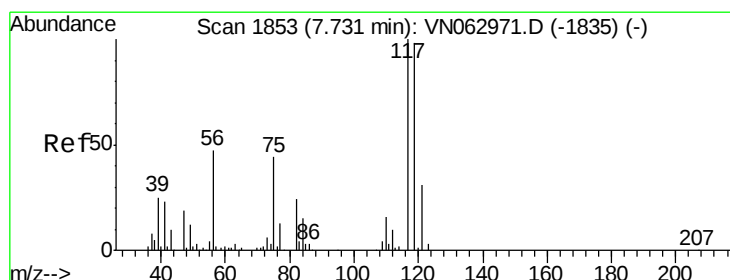
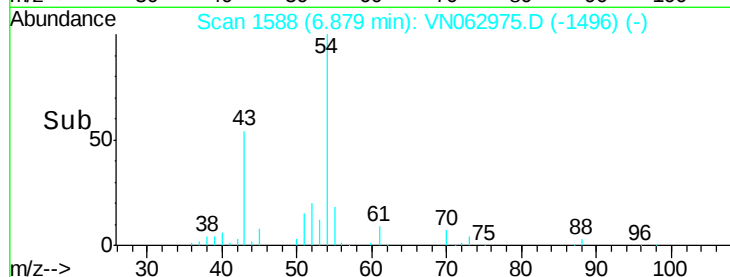
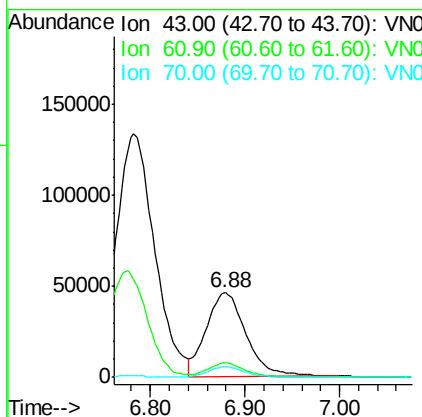
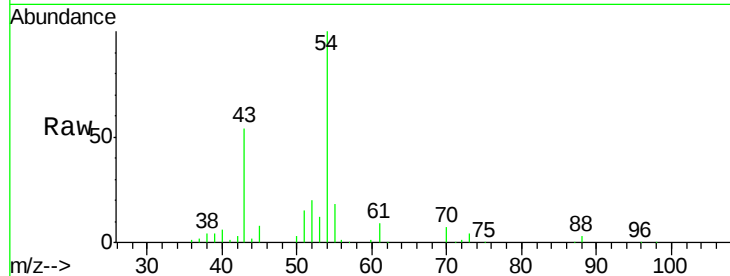
#37
Ethyl Acetate
Concen: 48.330 ug/l
RT: 6.88 min Scan# 1588
Delta R.T. -0.00 min
Lab File: VN062975.D
Acq: 17 Aug 2020 17:50

Instrument :
MSVOA_N
ClientSampleId :
ICVVN081720

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.6	12.4	18.6
70	11.9	9.9	14.9

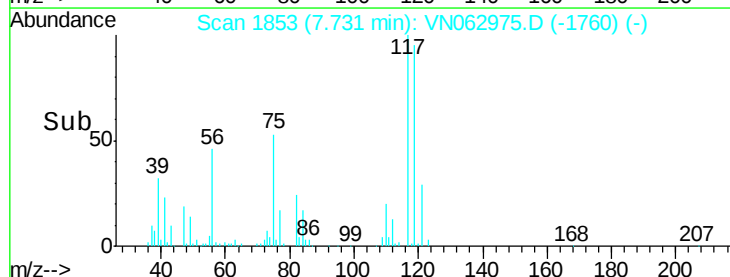
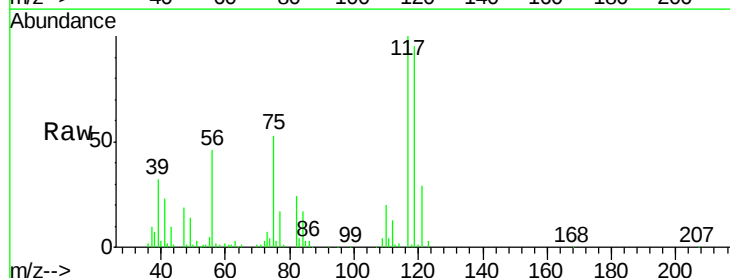
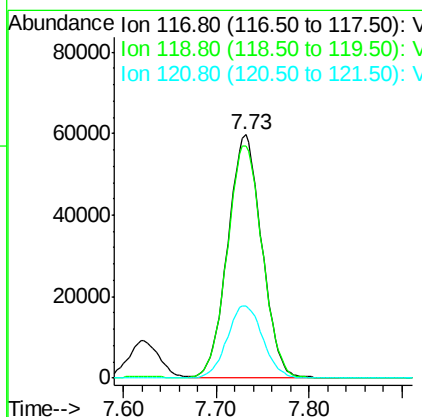
Manual Integrations
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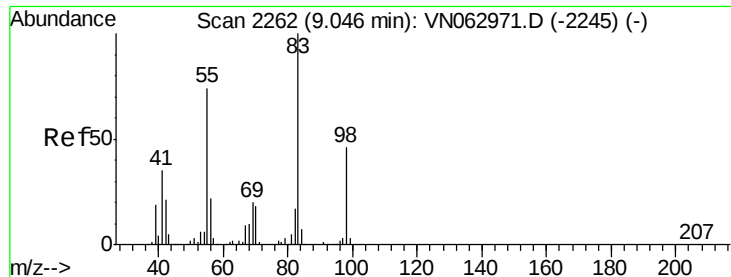
MMDadoda
8/18/2020 11:13:01 AM



#38
Carbon Tetrachloride
Concen: 47.221 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN062975.D
Acq: 17 Aug 2020 17:50

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.2	77.9	116.9
121	29.5	24.8	37.2





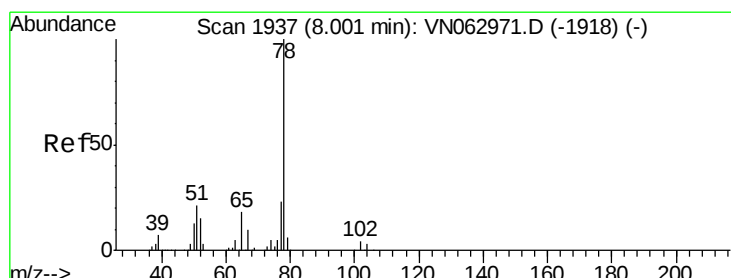
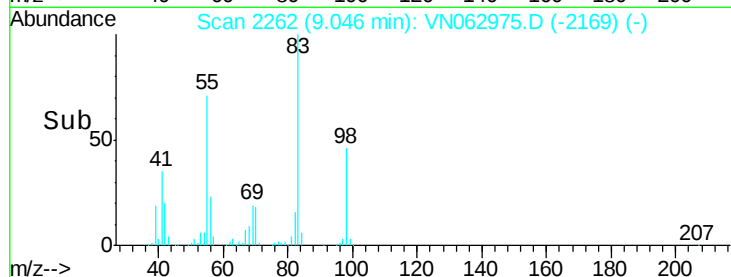
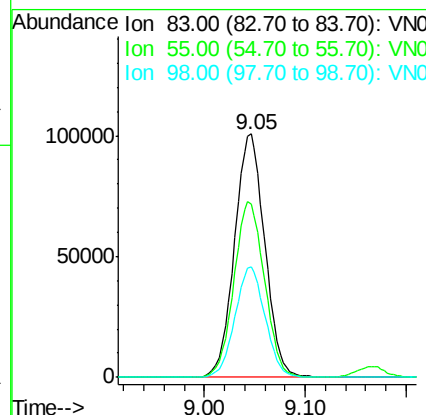
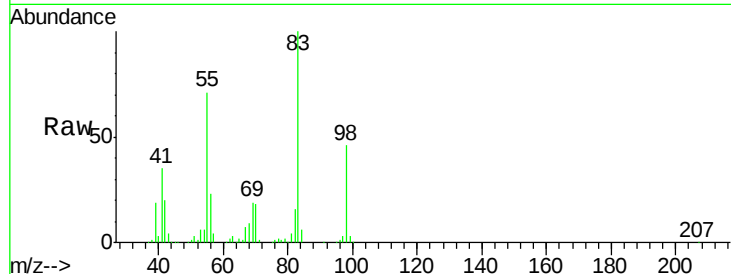
#39
Methvlcvclohexane
Concen: 51.841 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VN062975.D
Acq: 17 Aug 2020 17:50

Instrument :
MSVOA_N
ClientSampleId :
ICVVN081720

Tot Ion	Ratio	Resp	Lower	Upper
83	100	210221		
55	71.2		59.0	88.6
98	45.6		36.8	55.2

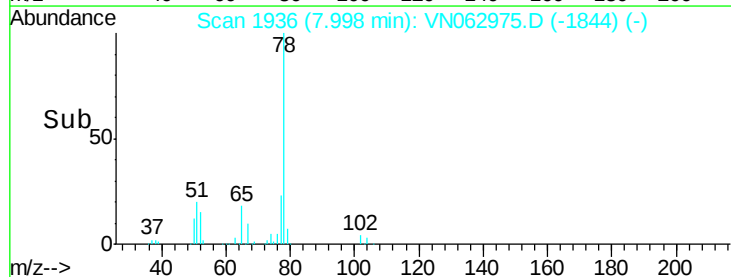
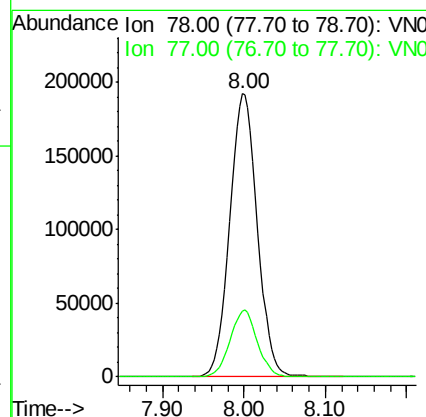
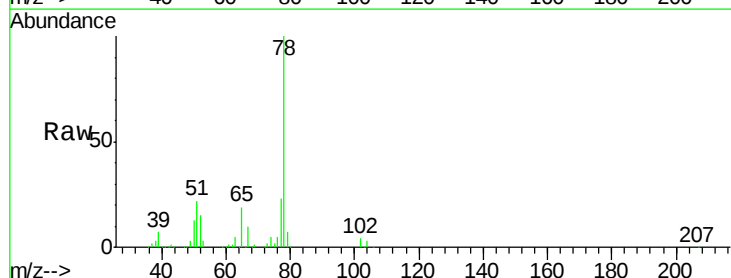
Manual Integrations
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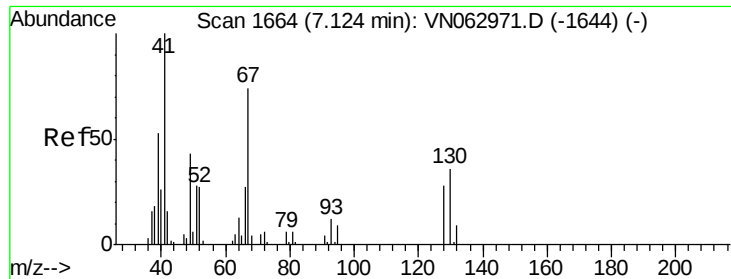
MMDadoda
8/18/2020 11:13:01 AM



#40
Benzene
Concen: 47.323 ug/l
RT: 8.00 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VN062975.D
Acq: 17 Aug 2020 17:50

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	457390		
77	23.1		18.6	27.8





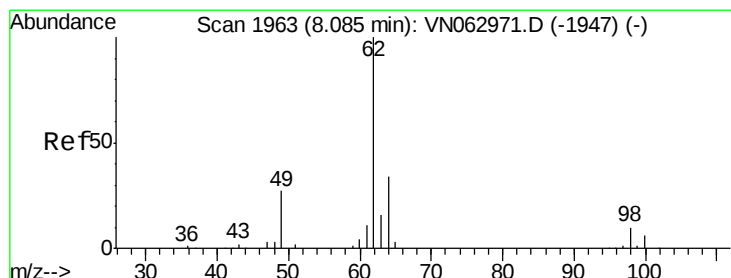
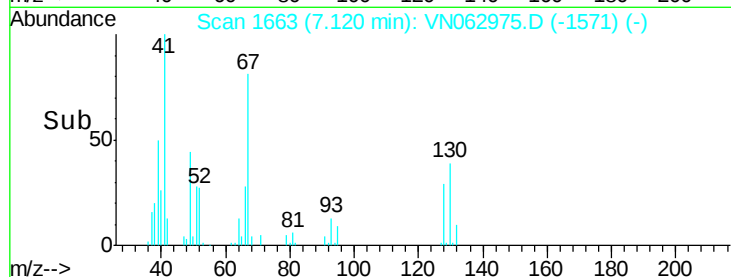
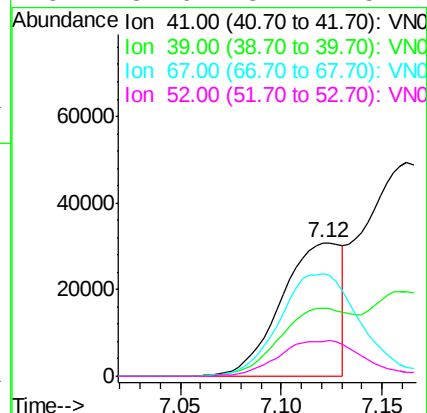
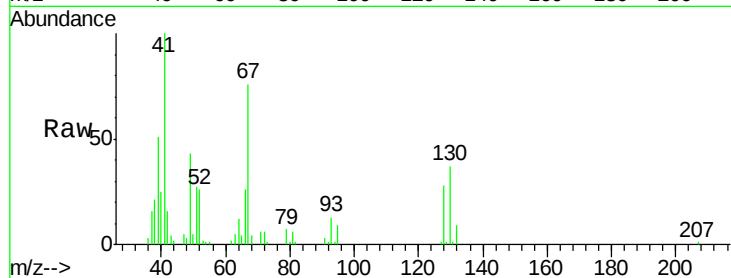
#41
Methacrylonitrile
Concen: 46.746 ug/l
RT: 7.12 min Scan# 1663
Delta R.T. -0.00 min
Lab File: VN062975.D
Acq: 17 Aug 2020 17:50

Instrument :
MSVOA_N
ClientSampleId :
ICVVN081720

Tot Ion	41	Resp	63995
Ion	Ratio	Lower	Upper
41	100		
39	60.4	58.6	88.0
67	103.9	90.1	135.1
52	37.6	34.7	52.1

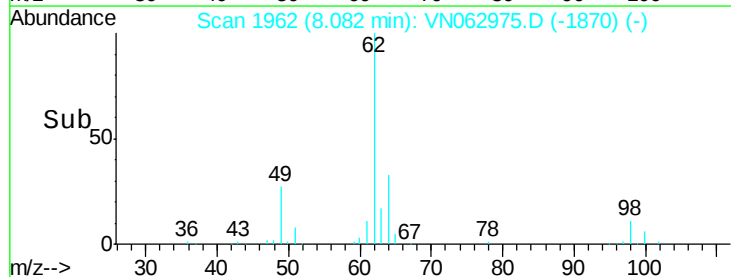
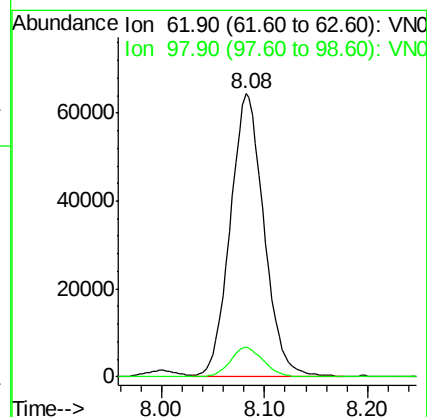
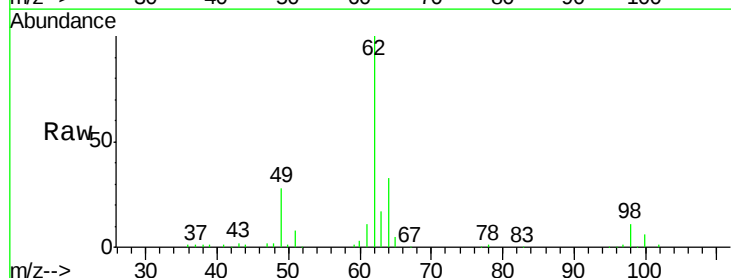
Manual Integrations
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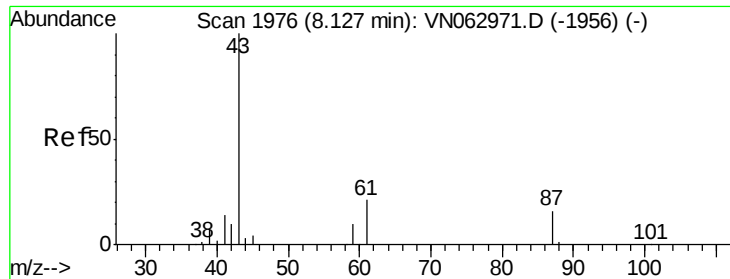
MMDadoda
8/18/2020 11:13:01 AM



#42
1,2-Dichloroethane
Concen: 46.016 ug/l
RT: 8.08 min Scan# 1962
Delta R.T. -0.00 min
Lab File: VN062975.D
Acq: 17 Aug 2020 17:50

Tgt Ion	62	Resp	145987
Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	20.8





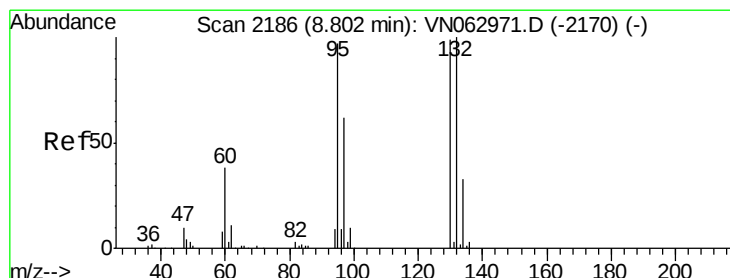
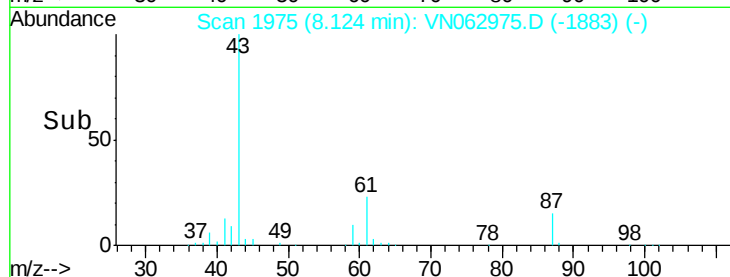
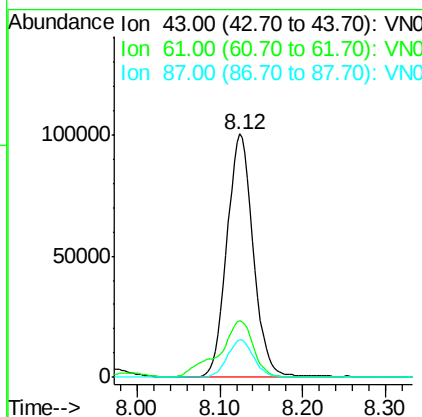
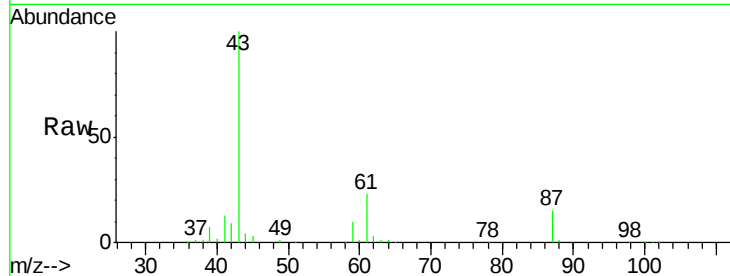
#43
Isopropyl Acetate
Concen: 49.723 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN062975.D
Acq: 17 Aug 2020 17:50

Instrument :
MSVOA_N
ClientSampleId :
ICVVN081720

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.9	24.6	36.8
87	15.5	12.4	18.6

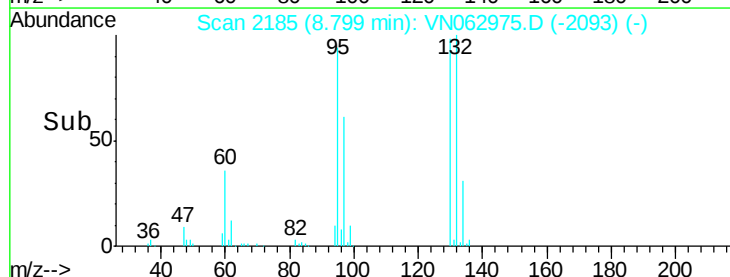
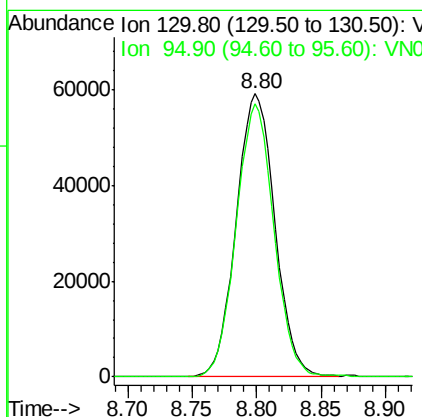
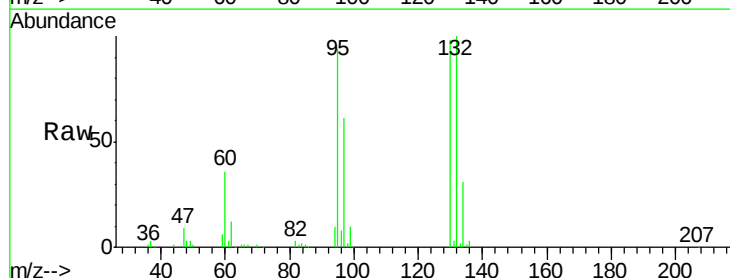
Manual Integrations
APPROVED

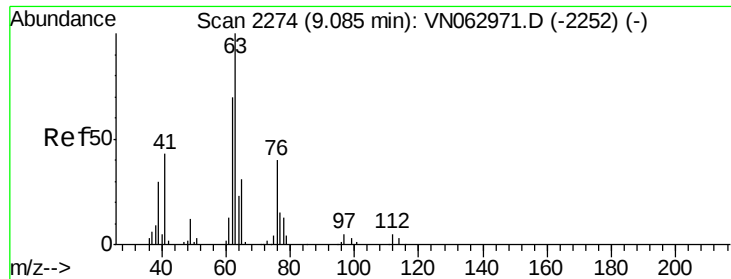
MMDadoda
8/18/2020 11:13:01 AM



#44
Trichloroethene
Concen: 47.473 ug/l
RT: 8.80 min Scan# 2185
Delta R.T. -0.00 min
Lab File: VN062975.D
Acq: 17 Aug 2020 17:50

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.5	0.0	194.2





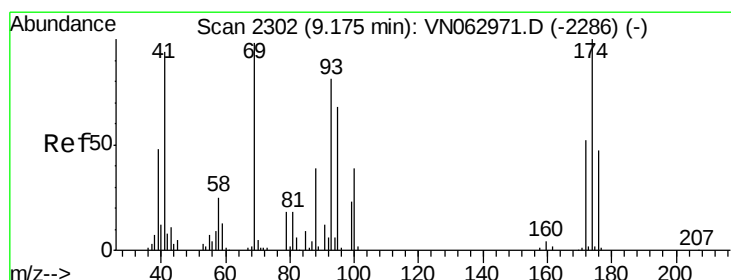
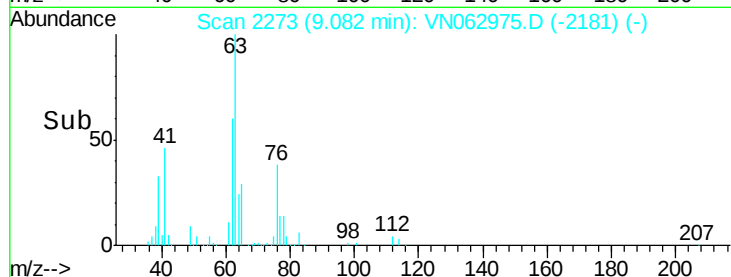
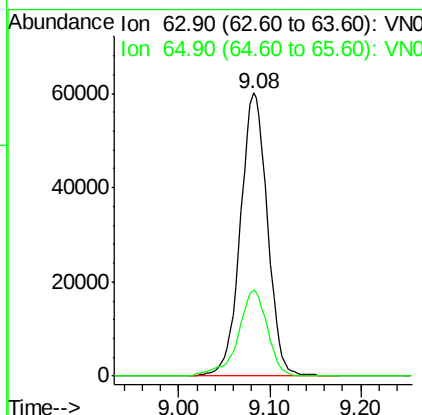
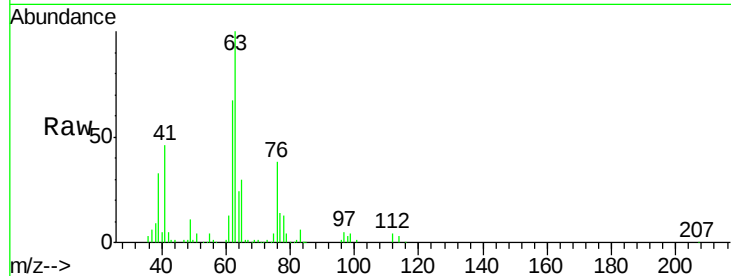
#45
 1,2-Dichloropropane
 Concen: 46.014 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VN062975.D
 Acq: 17 Aug 2020 17:50

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN081720

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.3	24.7	37.1

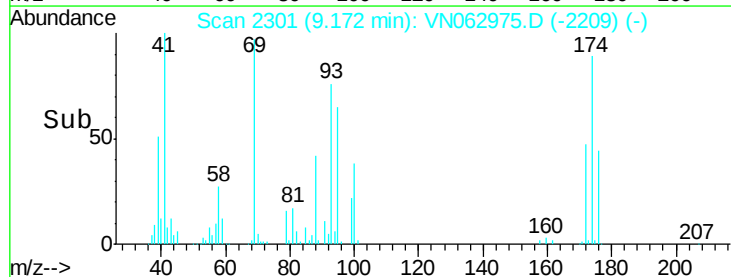
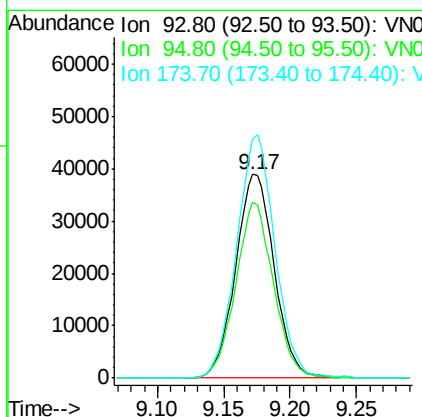
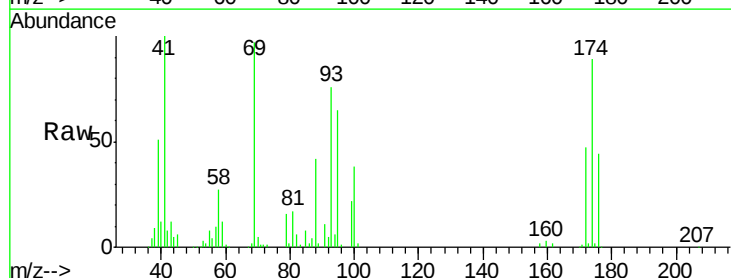
Manual Integrations
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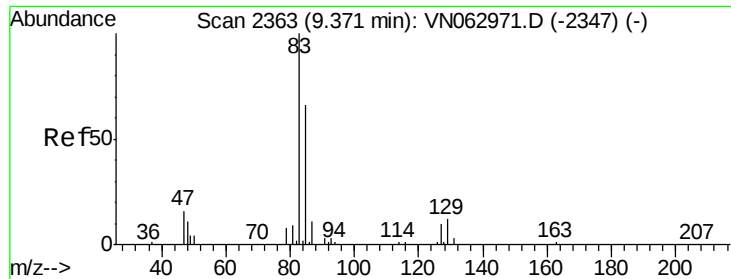
MMDadoda
 8/18/2020 11:13:01 AM



#46
 Dibromomethane
 Concen: 46.975 ug/l
 RT: 9.17 min Scan# 2301
 Delta R.T. -0.00 min
 Lab File: VN062975.D
 Acq: 17 Aug 2020 17:50

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.1	66.6	99.8
174	118.5	96.6	145.0





#47

Bromodichloromethane

Concen: 48.662 ug/l

RT: 9.37 min Scan# 2362

Delta R.T. -0.00 min

Lab File: VN062975.D

Acq: 17 Aug 2020 17:50

Instrument :

MSVOA_N

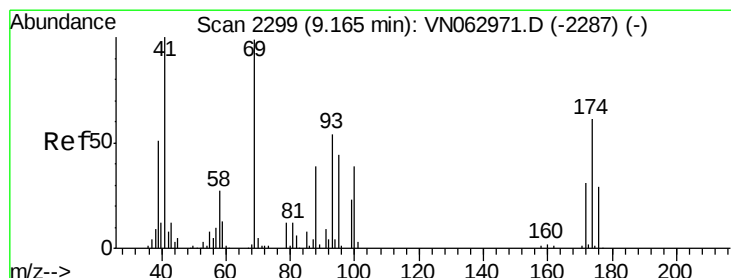
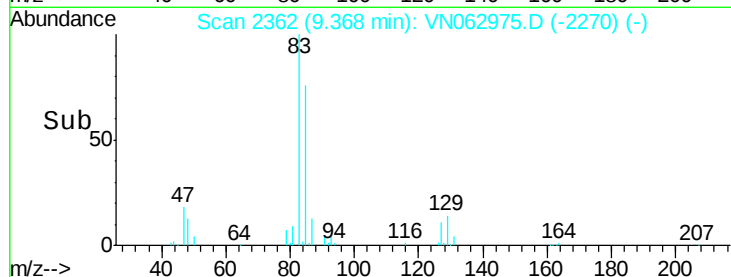
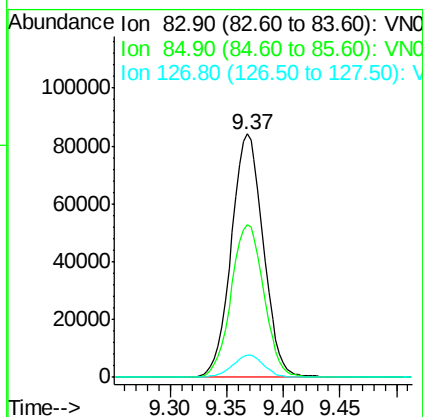
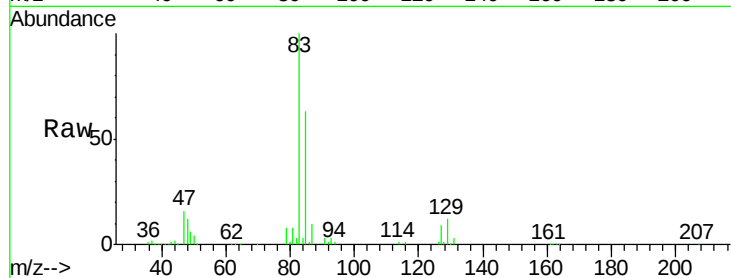
ClientSampleId :

ICVVN081720

Tot Ion:	83	Resp:	165487
Ion	Ratio	Lower	Upper
83	100		
85	62.7	52.4	78.6
127	8.8	7.8	11.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 50.407 ug/l

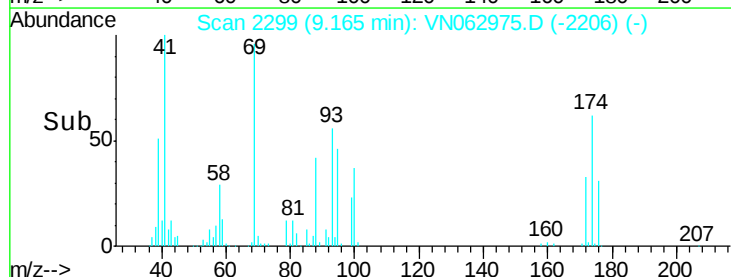
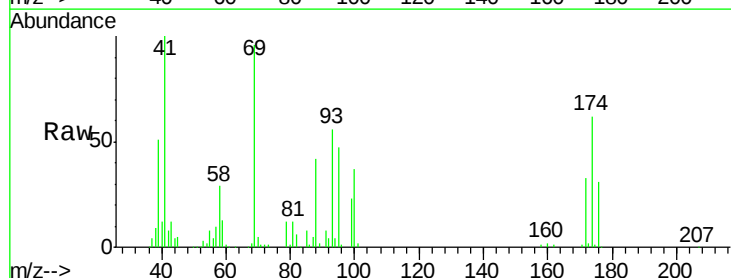
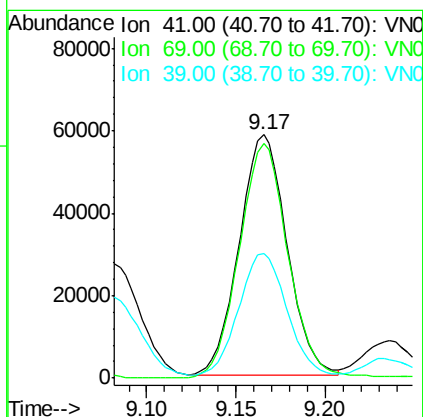
RT: 9.17 min Scan# 2299

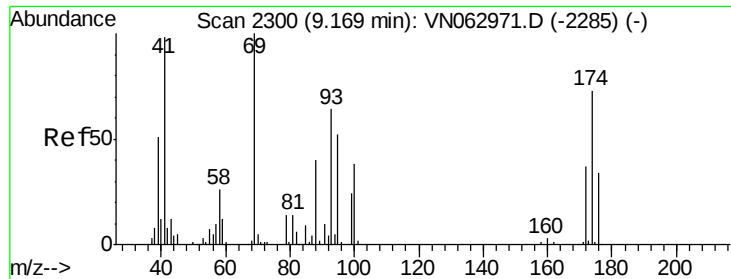
Delta R.T. -0.00 min

Lab File: VN062975.D

Acq: 17 Aug 2020 17:50

Tgt Ion:	41	Resp:	109354
Ion	Ratio	Lower	Upper
41	100		
69	100.6	81.1	121.7
39	50.8	42.4	63.6





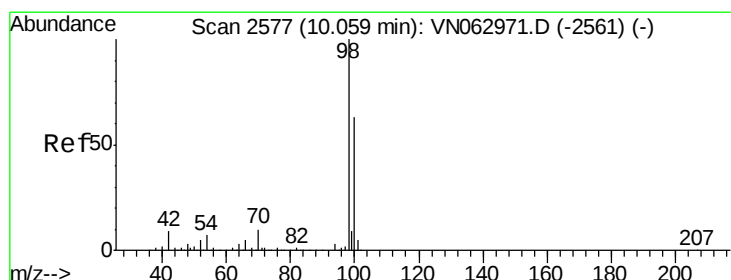
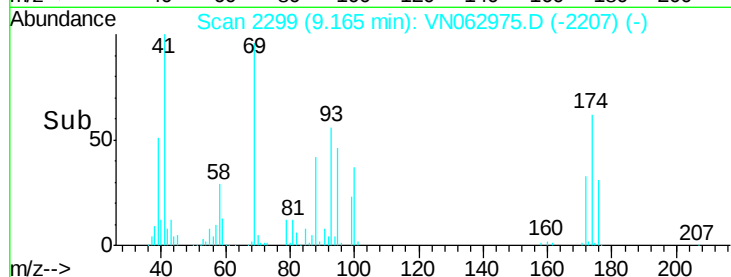
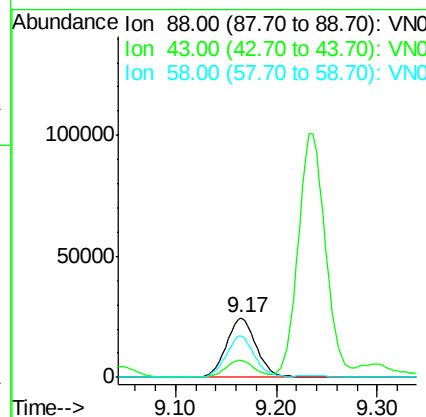
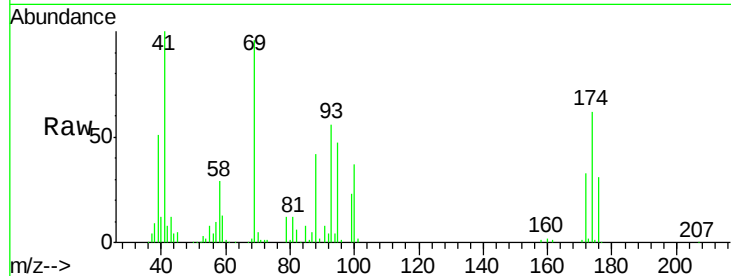
#49
1,4-Dioxane
Concen: 1111.911 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. -0.00 min
Lab File: VN062975.D
Acq: 17 Aug 2020 17:50

Instrument :
MSVOA_N
ClientSampleId :
ICVVN081720

Tot Ion	Ratio	Lower	Upper
88	100		
43	27.8	23.1	34.7
58	66.1	53.1	79.7

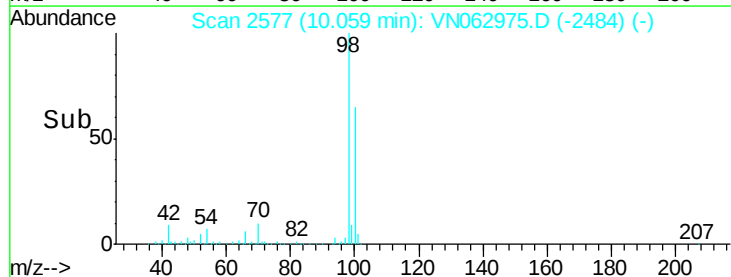
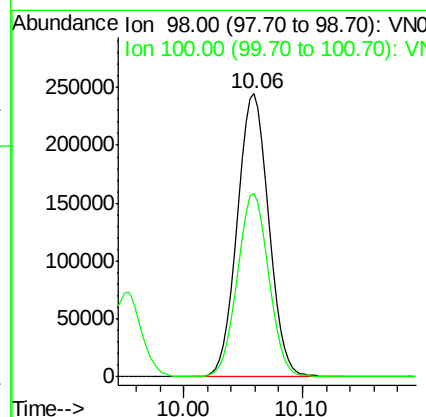
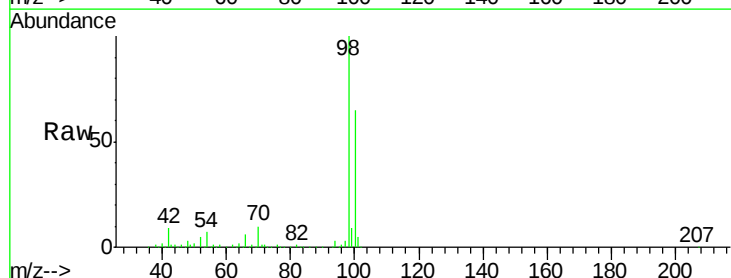
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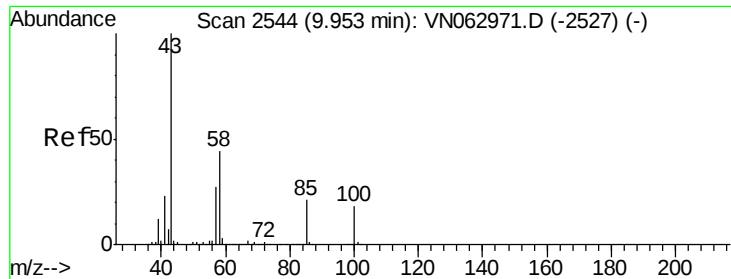
MMDadoda
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#50
Toluene-d8
Concen: 49.947 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062975.D
Acq: 17 Aug 2020 17:50

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.0	76.4





#51

4-Methyl-2-Pentanone

Concen: 255.681 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN062975.D

Acq: 17 Aug 2020 17:50

Instrument :

MSVOA_N

ClientSampleId :

ICVVN081720

Tot Ion: 43 Resp: 758703

Ion Ratio Lower Upper

43 100

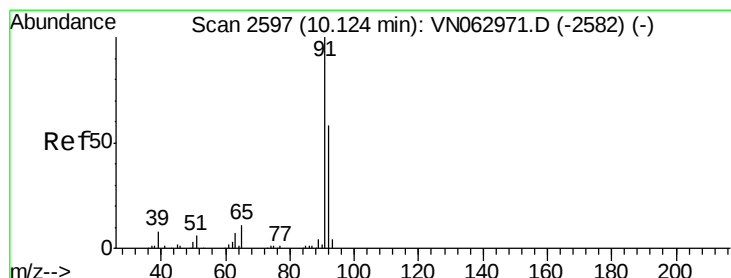
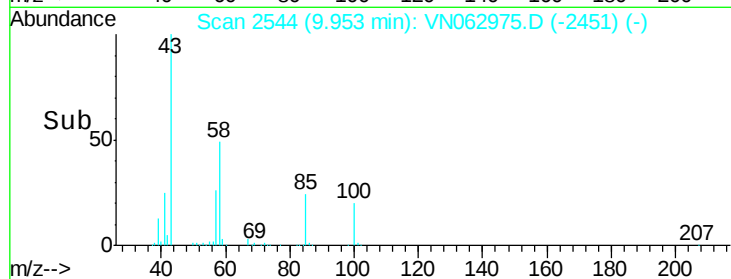
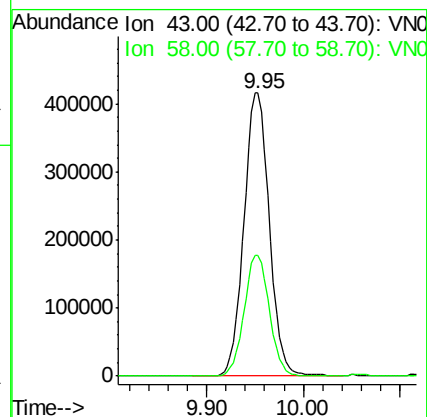
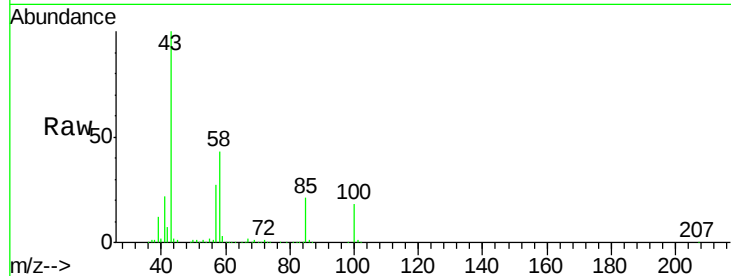
58 42.4 34.3 51.5

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#52

Toluene

Concen: 49.248 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN062975.D

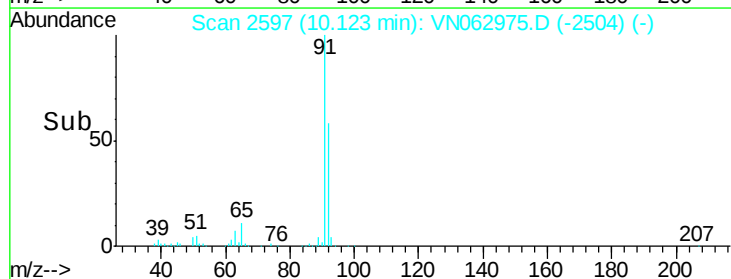
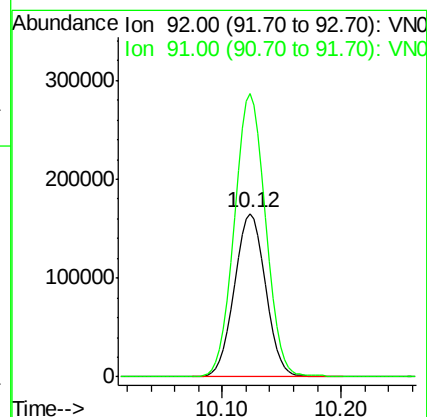
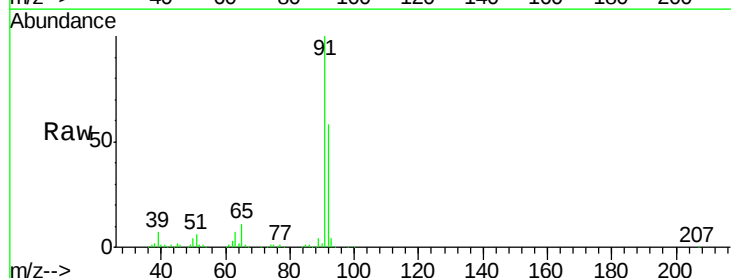
Acq: 17 Aug 2020 17:50

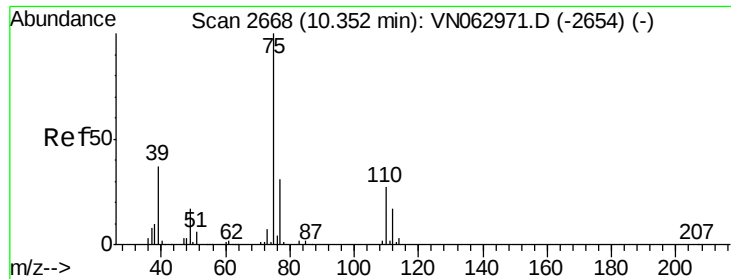
Tgt Ion: 92 Resp: 300711

Ion Ratio Lower Upper

92 100

91 173.6 138.6 207.8





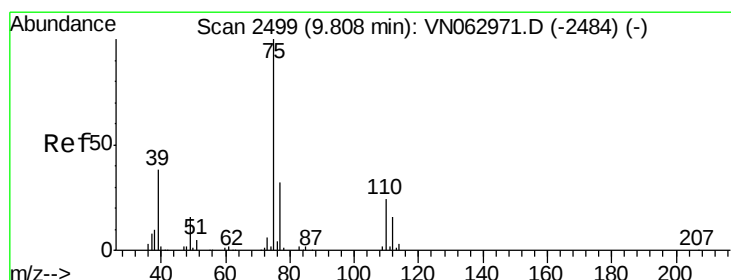
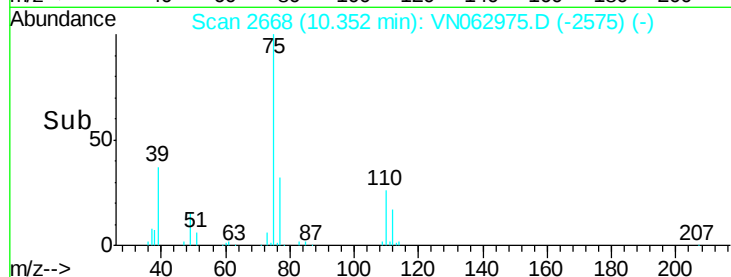
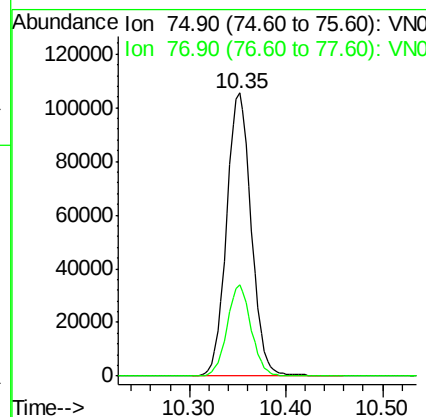
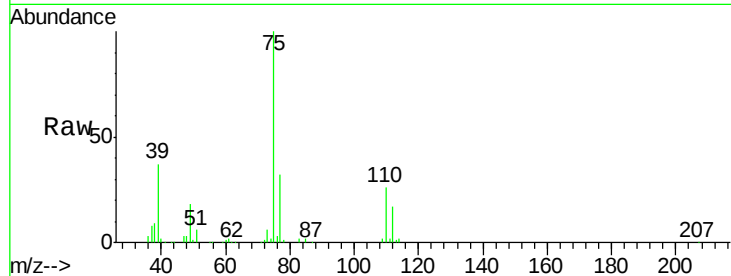
#53
t-1,3-Dichloropropene
Concen: 50.980 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. -0.00 min
Lab File: VN062975.D
Acq: 17 Aug 2020 17:50

Instrument :
MSVOA_N
ClientSampled :
ICVVN081720

Tot Ion: 75 Resp: 187017
Ion Ratio Lower Upper
75 100
77 32.1 25.0 37.4

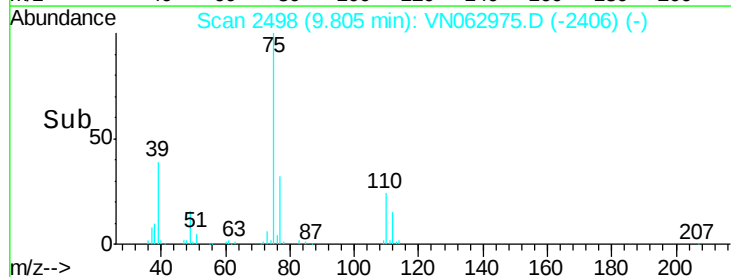
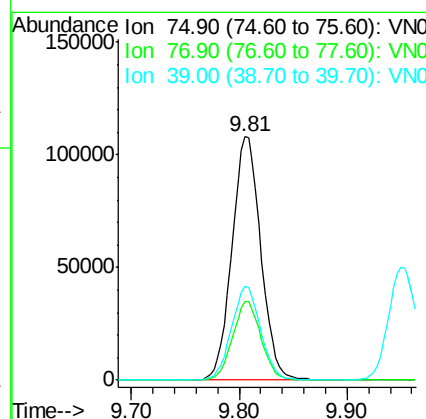
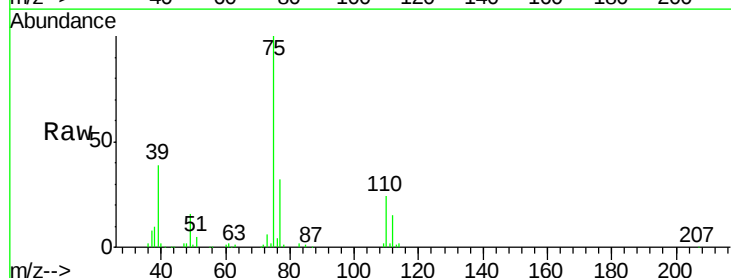
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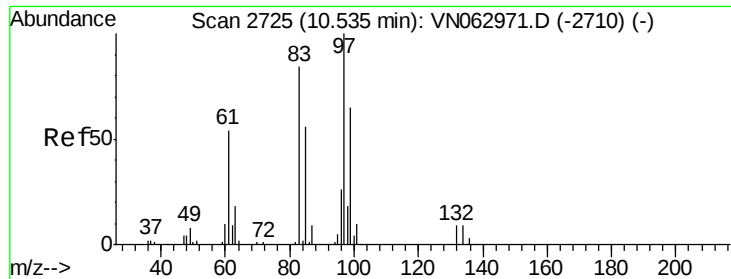
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#54
cis-1,3-Dichloropropene
Concen: 50.888 ug/l
RT: 9.81 min Scan# 2498
Delta R.T. -0.00 min
Lab File: VN062975.D
Acq: 17 Aug 2020 17:50

Tgt Ion: 75 Resp: 201503
Ion Ratio Lower Upper
75 100
77 32.2 25.4 38.2
39 38.5 30.6 46.0





#55

1,1,2-Trichloroethane

Concen: 48.392 ug/l

RT: 10.53 min Scan# 2724

Delta R.T. -0.00 min

Lab File: VN062975.D

Acq: 17 Aug 2020 17:50

Instrument :

MSVOA_N

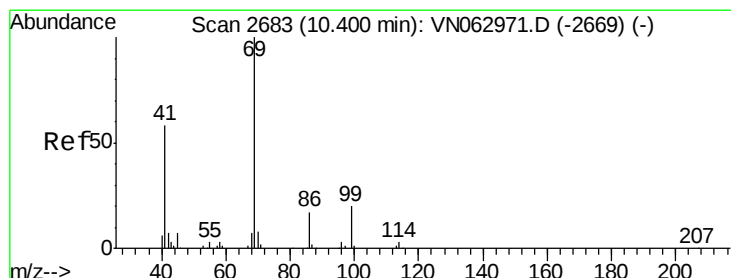
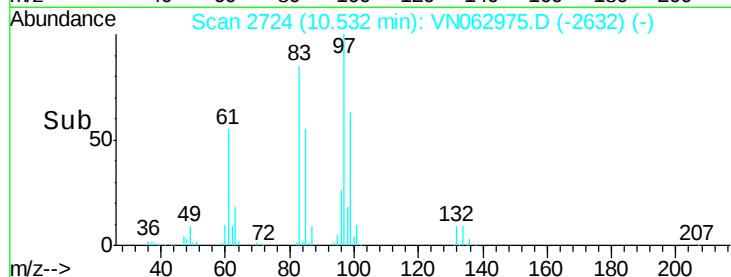
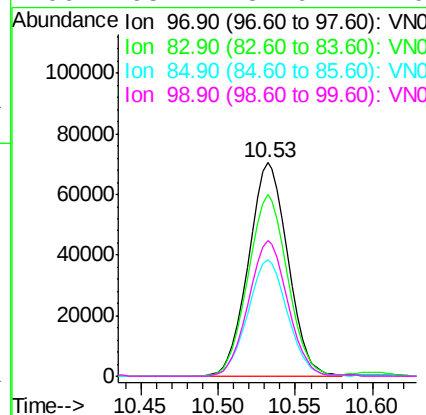
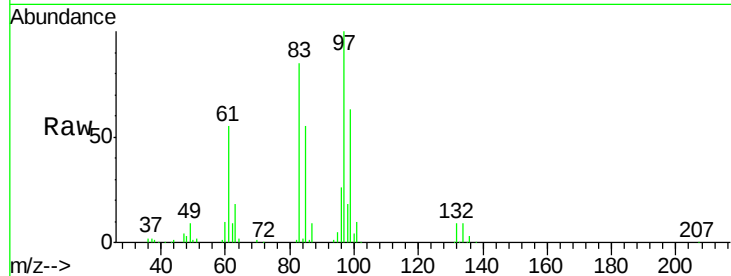
ClientSampled :

ICVVN081720

Tot Ion:	97	Resp:	125248
Ion	Ratio	Lower	Upper
97	100		
83	85.4	67.0	100.4
85	54.6	44.4	66.6
99	63.4	51.9	77.9

Manual Integrations
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#56

Ethyl methacrylate

Concen: 47.386 ug/l

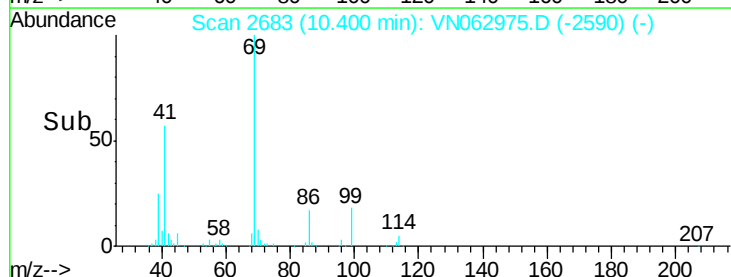
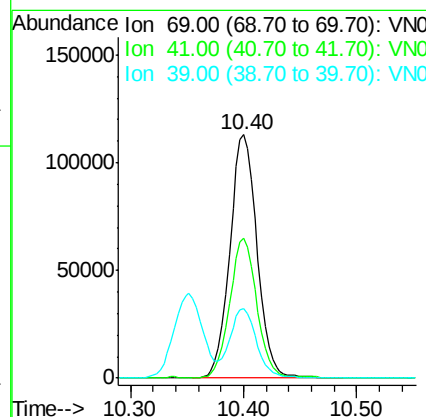
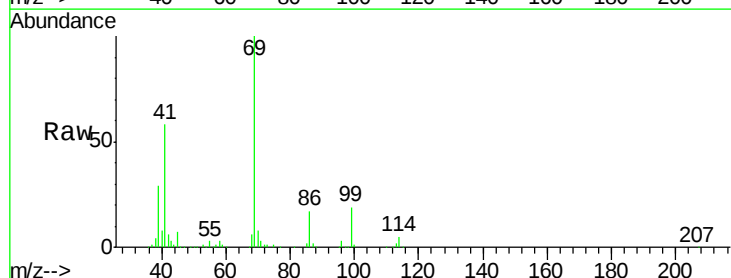
RT: 10.40 min Scan# 2683

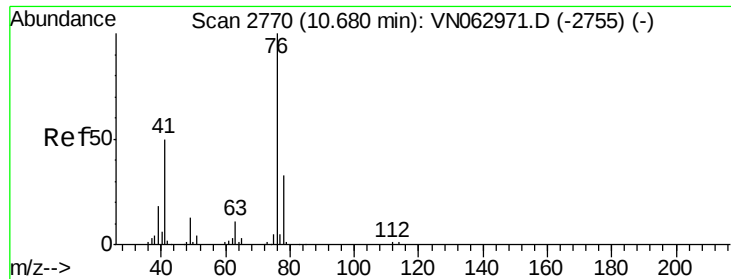
Delta R.T. 0.00 min

Lab File: VN062975.D

Acq: 17 Aug 2020 17:50

Tgt Ion:	69	Resp:	189341
Ion	Ratio	Lower	Upper
69	100		
41	56.9	46.0	69.0
39	27.7	23.4	35.0





#57

1,3-Dichloropropane

Concen: 49.429 ug/l

RT: 10.68 min Scan# 2769

Delta R.T. -0.00 min

Lab File: VN062975.D

Acq: 17 Aug 2020 17:50

Instrument :

MSVOA_N

ClientSampleId :

ICVVN081720

Tot Ion: 76 Resp: 201663

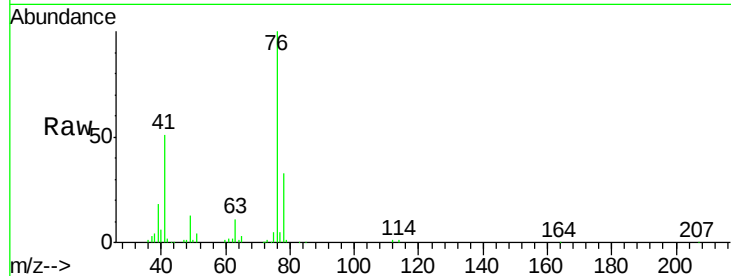
Ion Ratio Lower Upper

76 100

78 32.6 26.2 39.4

Manual Integrations
APPROVED

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

120000

100000

80000

60000

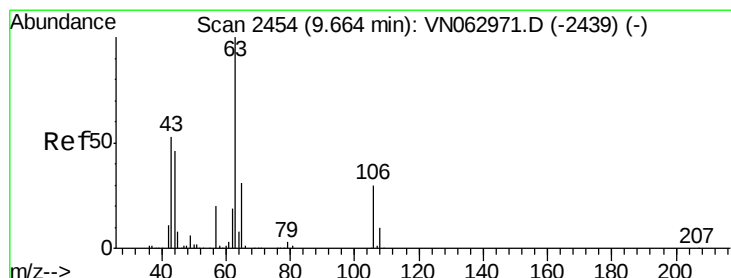
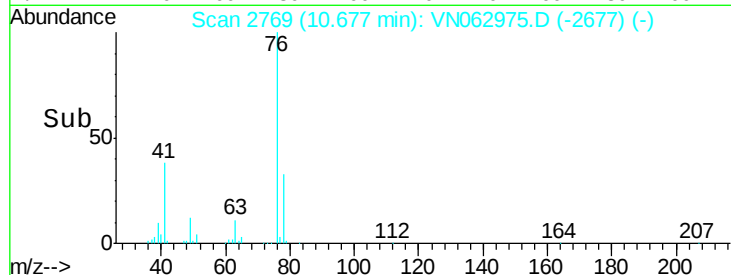
40000

20000

0

10.60 10.70 10.80

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 265.855 ug/l

RT: 9.66 min Scan# 2453

Delta R.T. -0.00 min

Lab File: VN062975.D

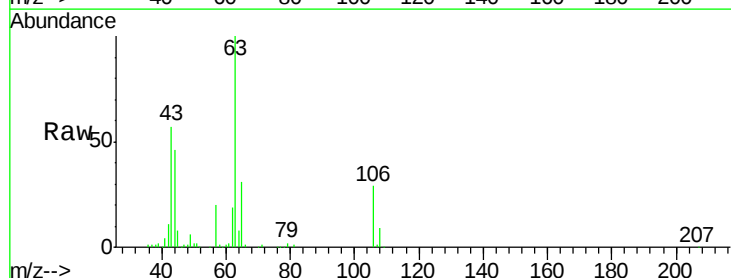
Acq: 17 Aug 2020 17:50

Tgt Ion: 63 Resp: 203858

Ion Ratio Lower Upper

63 100

106 28.4 23.4 35.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

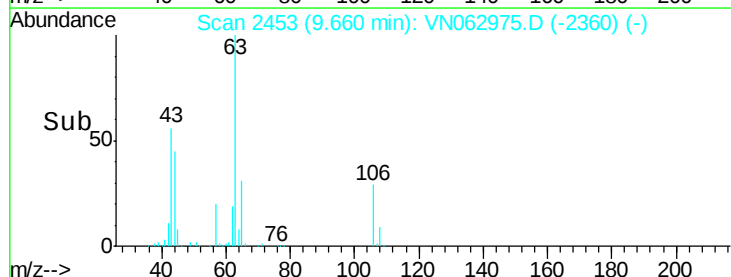
100000

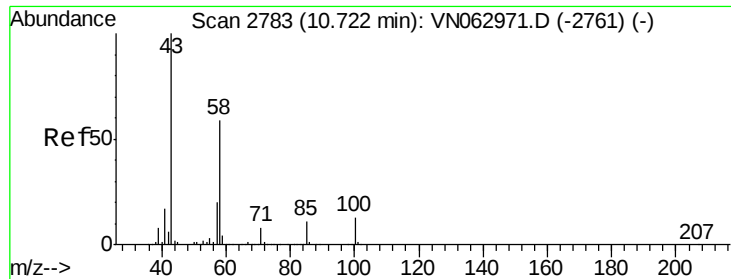
50000

0

9.60 9.70 9.80

Time-->





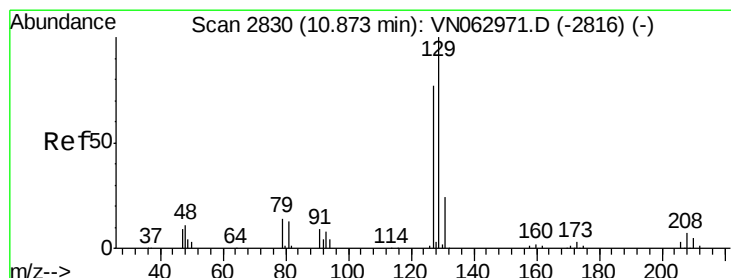
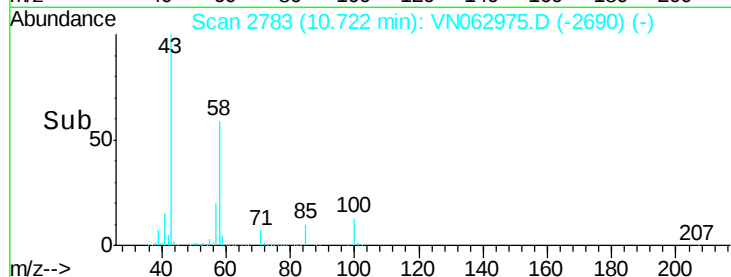
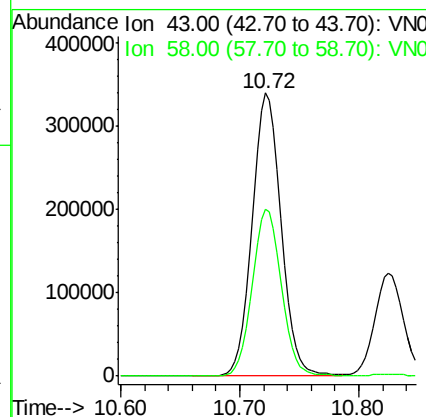
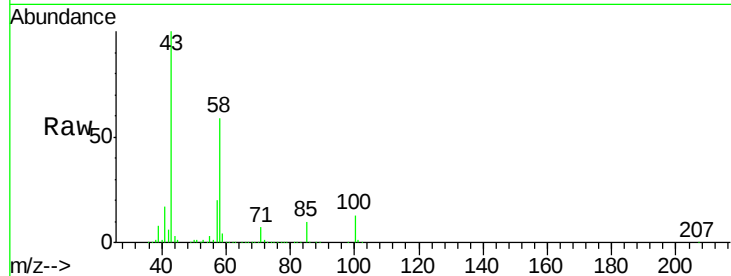
#59
2-Hexanone
Concen: 286.443 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. 0.00 min
Lab File: VN062975.D
Acq: 17 Aug 2020 17:50

Instrument :
MSVOA_N
ClientSampleId :
ICVVN081720

Tot Ion	Ratio	Lower	Upper
43	100		
58	59.3	29.5	88.5

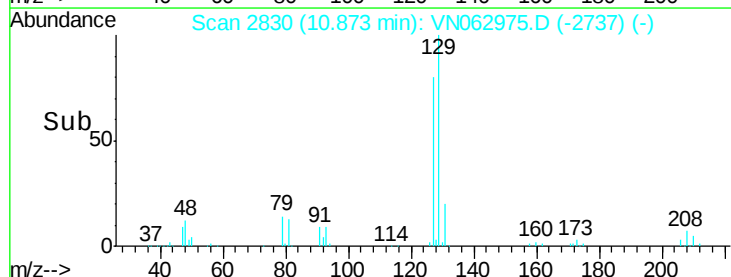
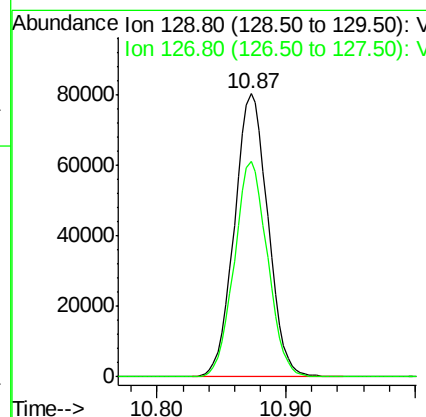
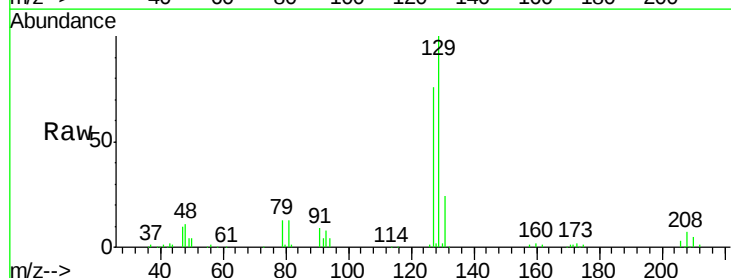
Manual Integrations
APPROVED

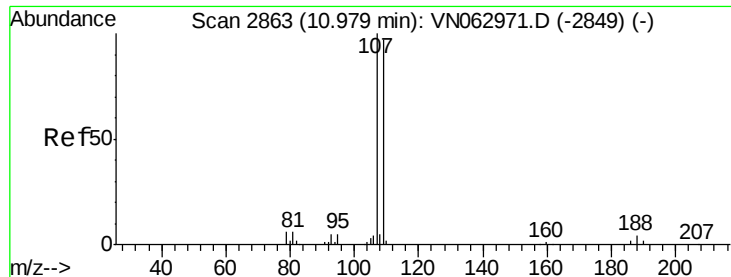
MMDadoda
8/18/2020 11:13:01 AM



#60
Dibromochloromethane
Concen: 50.232 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN062975.D
Acq: 17 Aug 2020 17:50

Tgt Ion	Ratio	Lower	Upper
129	100		
127	75.5	38.4	115.2





#61

1,2-Dibromoethane

Concen: 48.099 ug/l

RT: 10.98 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VN062975.D

Acq: 17 Aug 2020 17:50

Instrument :

MSVOA_N

ClientSampleId :

ICVVN081720

Tot Ion: 107 Resp: 127084

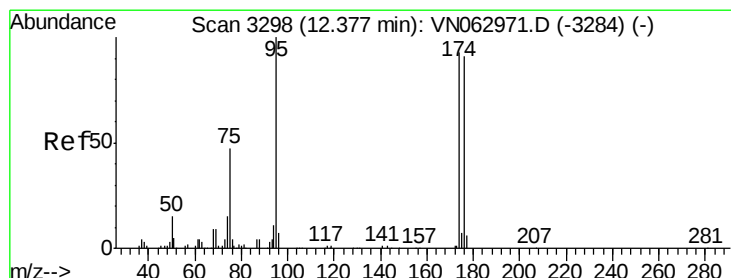
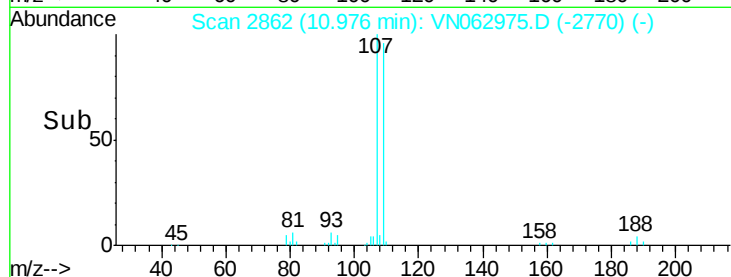
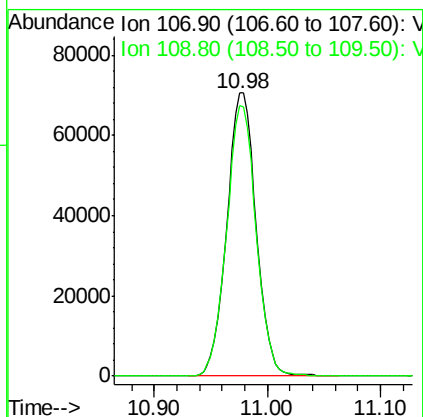
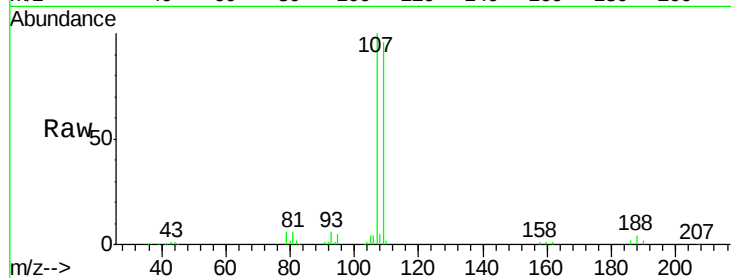
Ion Ratio Lower Upper

107 100

109 96.3 76.6 115.0

Manual Integrations
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8/18/2020 11:13:01 AM



#62

4-Bromofluorobenzene

Concen: 49.985 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN062975.D

Acq: 17 Aug 2020 17:50

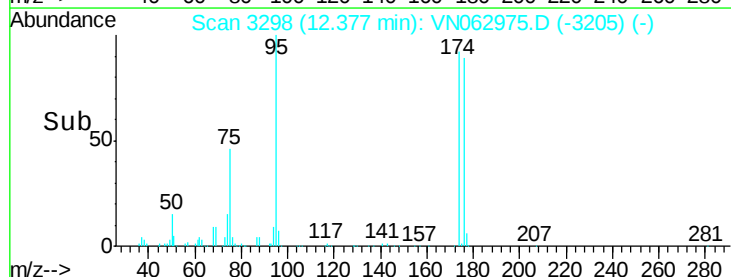
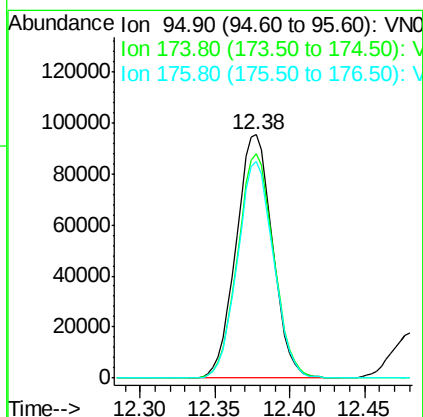
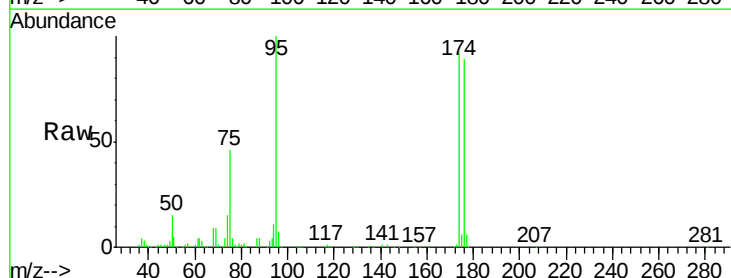
Tgt Ion: 95 Resp: 161726

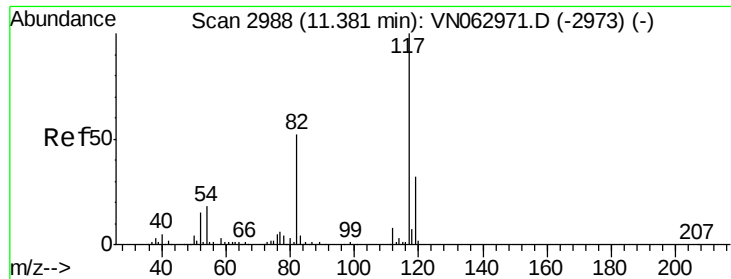
Ion Ratio Lower Upper

95 100

174 91.6 0.0 185.2

176 88.0 0.0 178.8





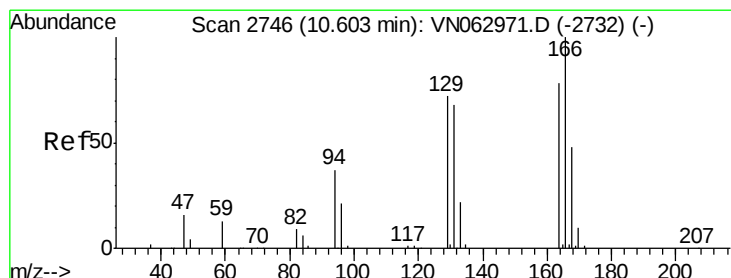
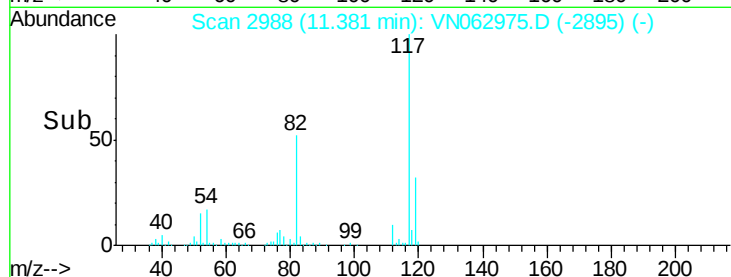
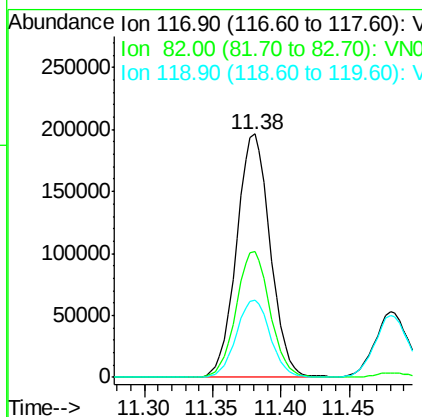
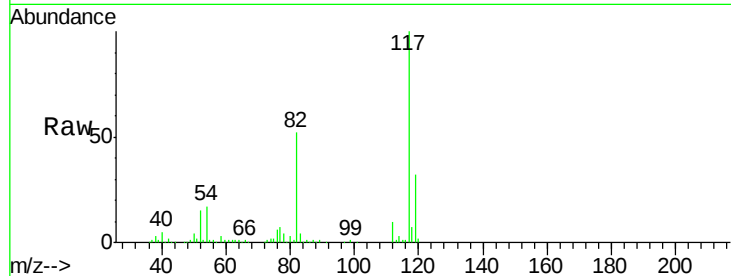
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062975.D
Acq: 17 Aug 2020 17:50

Instrument :
MSVOA_N
ClientSampleId :
ICVVN081720

Tot Ion	Ratio	Resp	Lower	Upper
117	100	336639		
82	51.8		41.3	61.9
119	31.8		25.8	38.8

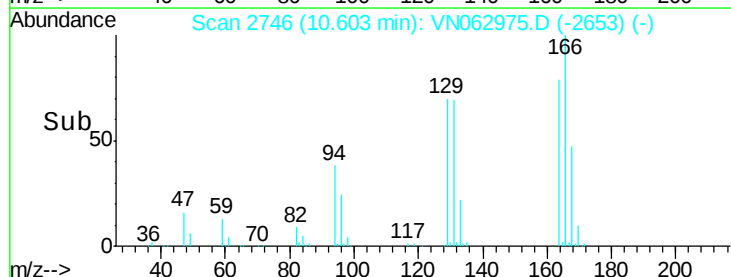
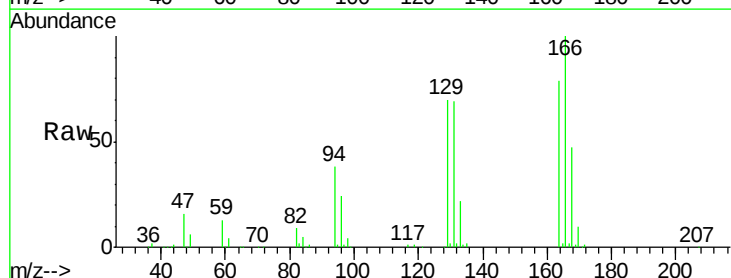
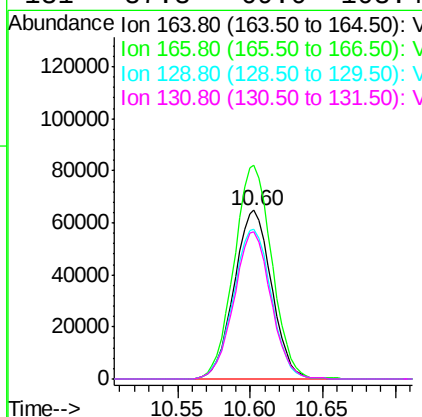
Manual Integrations
APPROVED

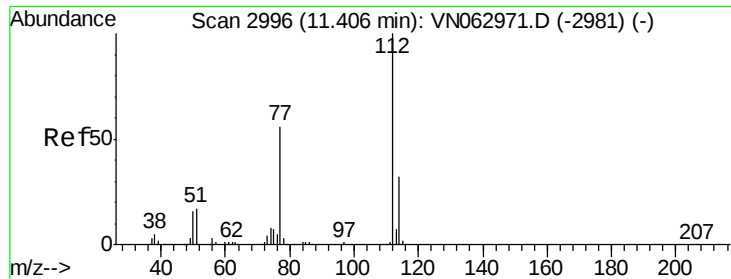
MMDadoda
8/18/2020 11:13:01 AM



#64
Tetrachloroethene
Concen: 50.355 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN062975.D
Acq: 17 Aug 2020 17:50

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	116268		
166	126.5		101.9	152.9
129	88.7		73.1	109.7
131	87.3		69.0	103.4





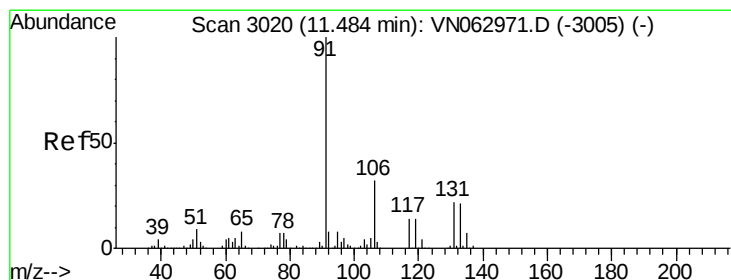
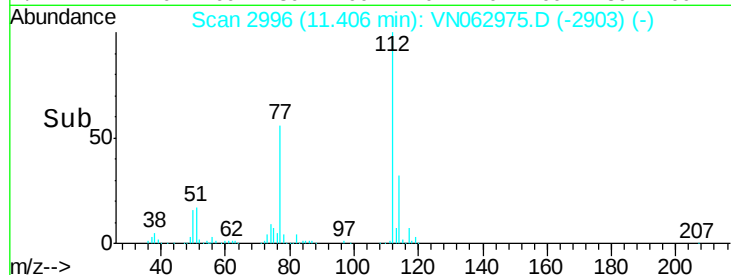
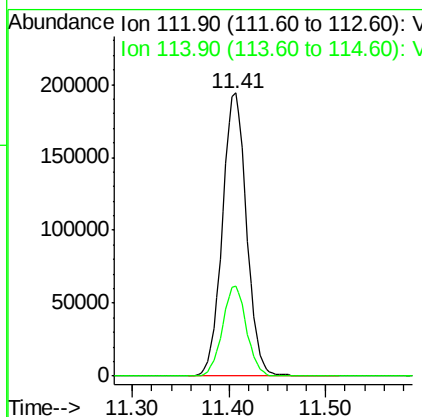
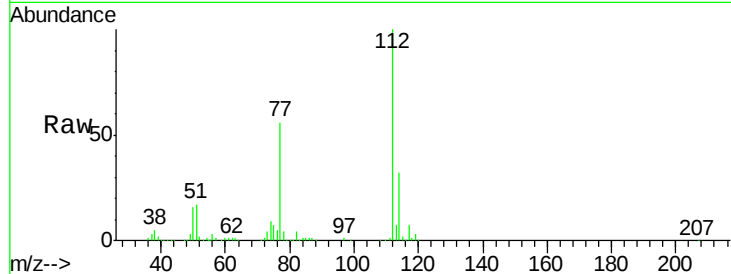
#65
Chlorobenzene
Concen: 48.956 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN062975.D
Acq: 17 Aug 2020 17:50

Instrument :
MSVOA_N
ClientSampleId :
ICVVN081720

Tot Ion:112 Resp: 337324
Ion Ratio Lower Upper
112 100
114 31.8 25.4 38.2

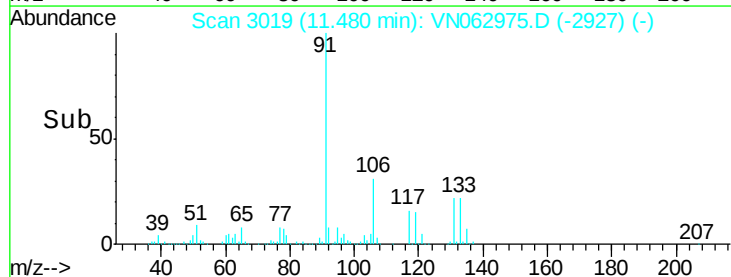
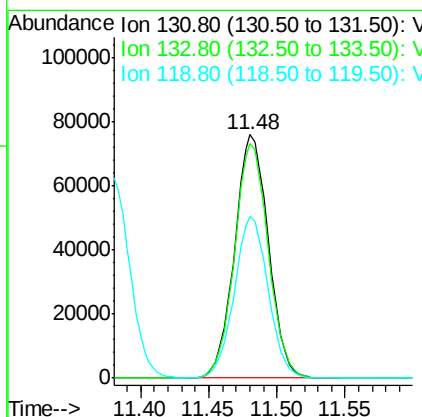
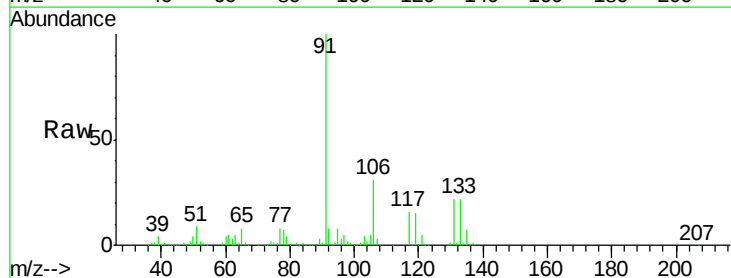
Manual Integrations
APPROVED

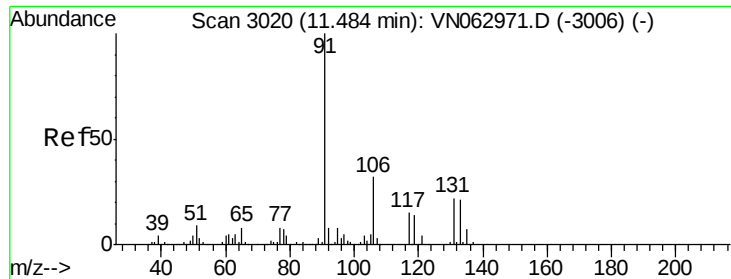
MMDadoda
8/18/2020 11:13:01 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 48.736 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. -0.00 min
Lab File: VN062975.D
Acq: 17 Aug 2020 17:50

Tgt Ion:131 Resp: 130426
Ion Ratio Lower Upper
131 100
133 96.2 47.8 143.4
119 66.5 32.4 97.0





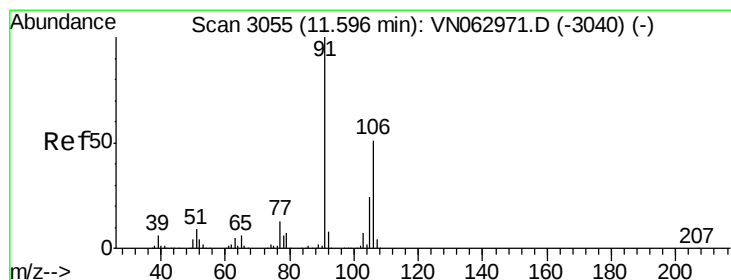
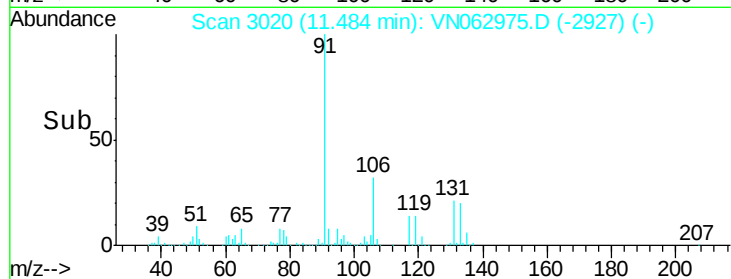
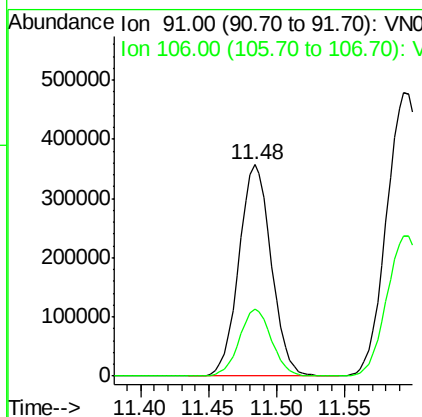
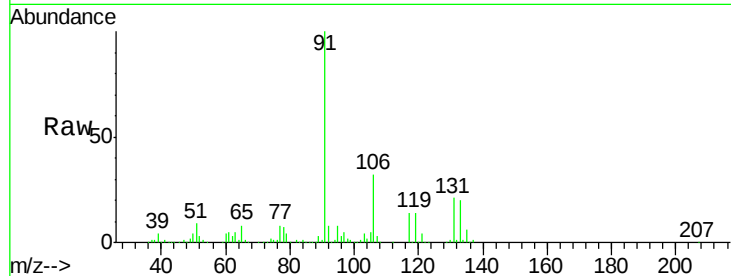
#67
Ethyl Benzene
Concen: 50.749 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN062975.D
Acq: 17 Aug 2020 17:50

Instrument :
MSVOA_N
ClientSampleId :
ICVVN081720

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		589103		
106	31.6	25.9	38.9		

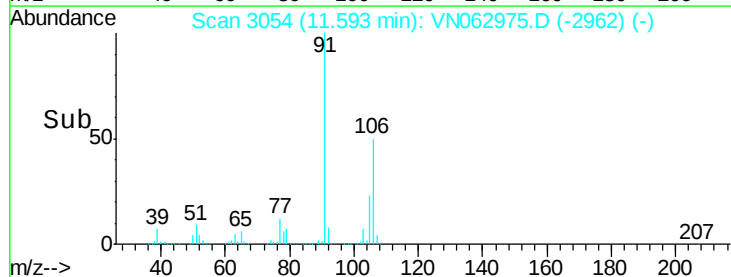
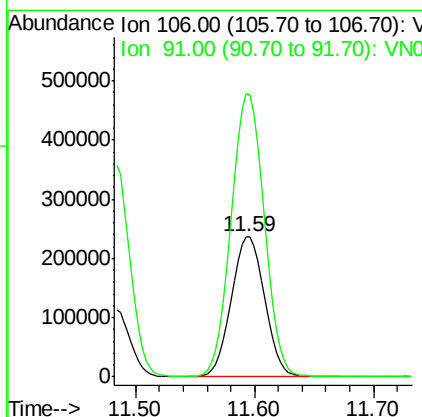
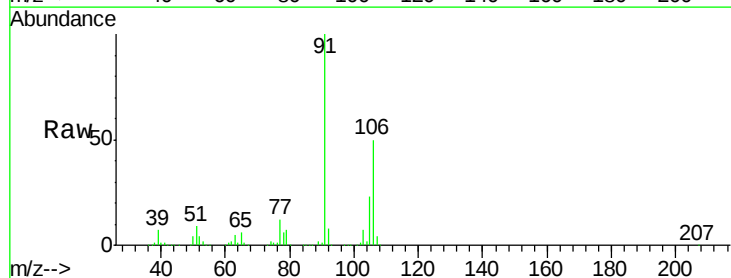
Manual Integrations
APPROVED

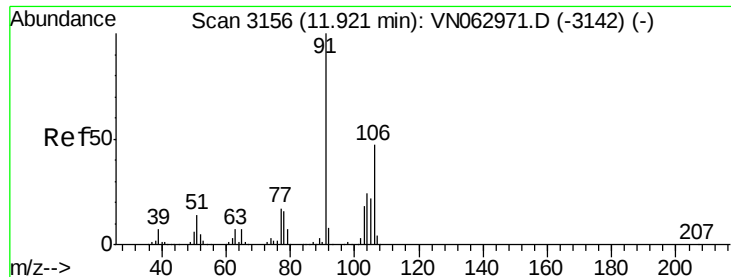
MMDadoda
8/18/2020 11:13:01 AM



#68
m/p-Xylenes
Concen: 104.585 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN062975.D
Acq: 17 Aug 2020 17:50

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100		458443		
91	202.1	158.7	238.1		





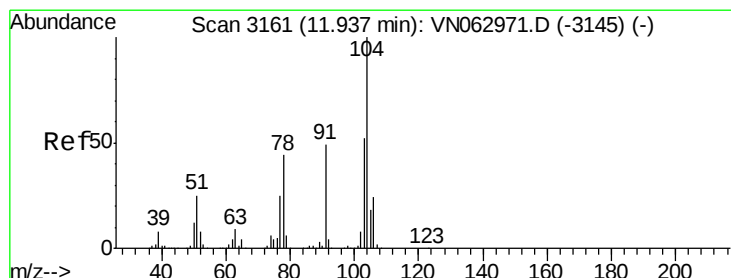
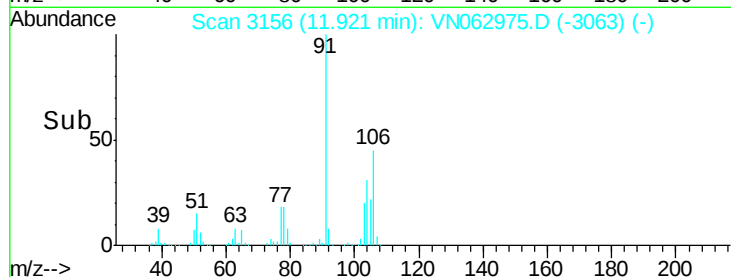
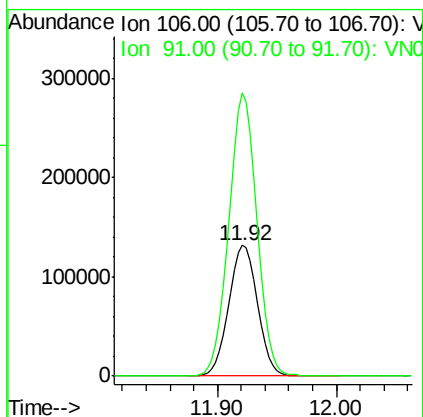
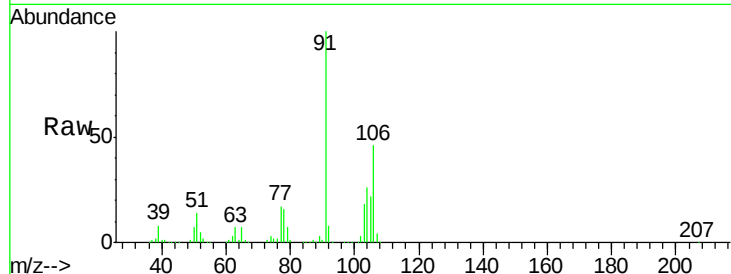
#69
o-Xylene
Concen: 53.025 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN062975.D
Acq: 17 Aug 2020 17:50

Instrument :
MSVOA_N
ClientSampleId :
ICVVN081720

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		220787		
91	211.5	106.3	318.8		

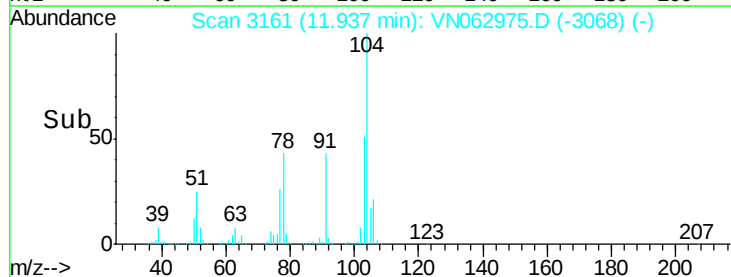
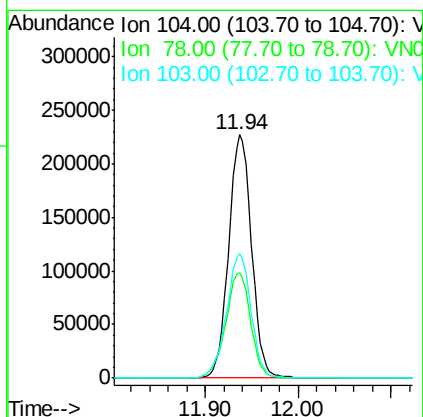
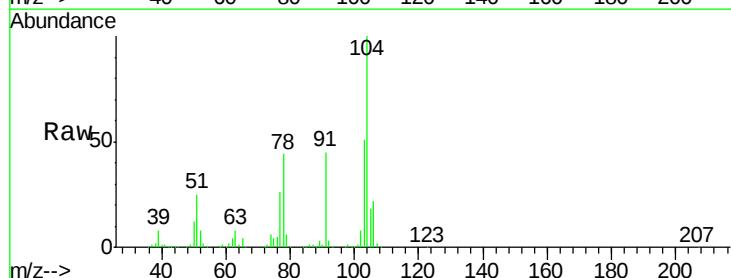
Manual Integrations
APPROVED

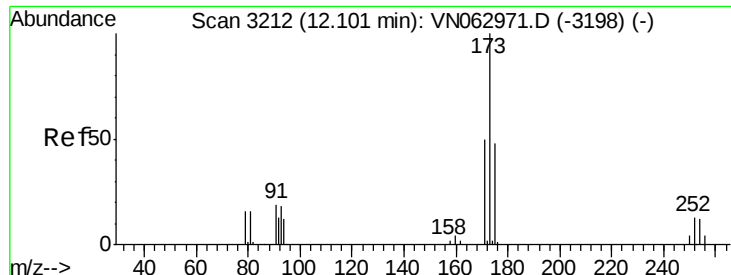
MMDadoda
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#70
Styrene
Concen: 53.847 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN062975.D
Acq: 17 Aug 2020 17:50

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		388877		
78	47.1	38.2	57.4		
103	55.0	44.9	67.3		





#71

Bromoform

Concen: 52.473 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. -0.00 min

Lab File: VN062975.D

Acq: 17 Aug 2020 17:50

Instrument :

MSVOA_N

ClientSampleId :

ICVVN081720

Tot Ion:173 Resp: 117380

Ion Ratio Lower Upper

173 100

175 48.8 24.1 72.2

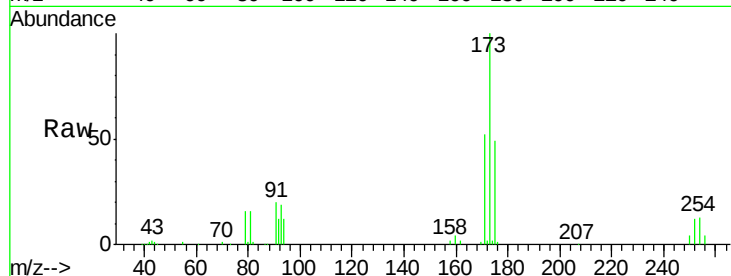
254 0.0 0.0 0.0#

Manual Integrations

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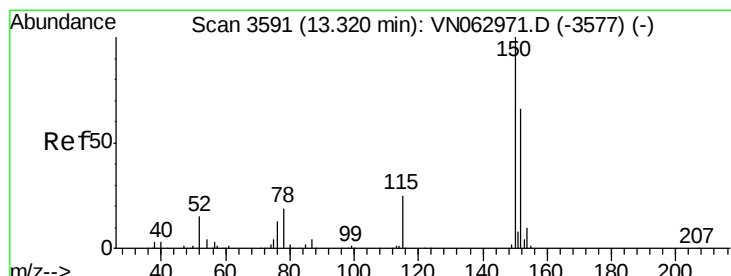
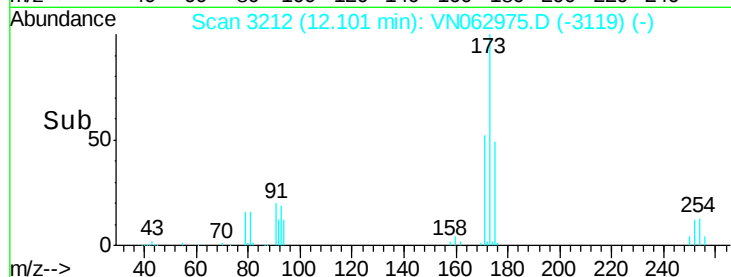
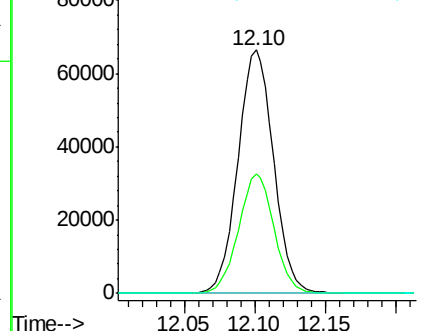
8/18/2020 11:13:01 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. -0.00 min

Lab File: VN062975.D

Acq: 17 Aug 2020 17:50

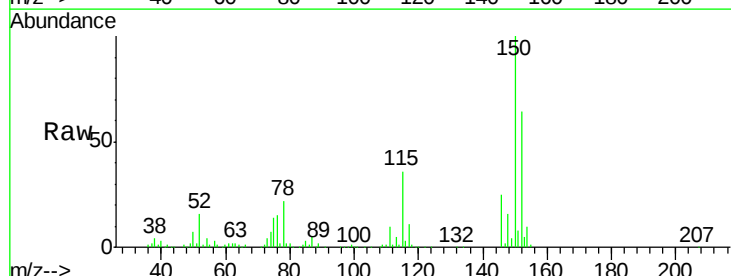
Tgt Ion:152 Resp: 173157

Ion Ratio Lower Upper

152 100

115 56.3 27.1 81.3

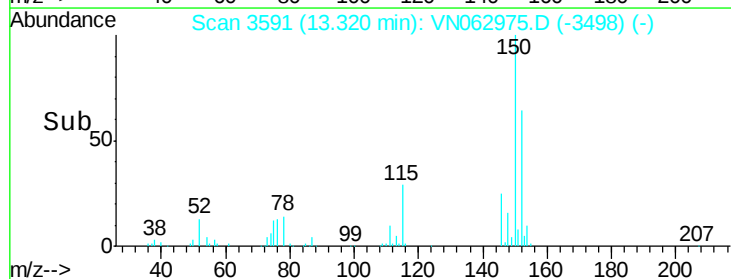
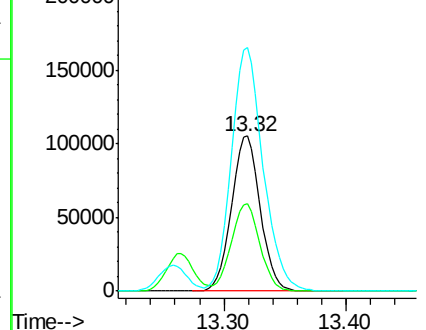
150 172.9 0.0 341.4

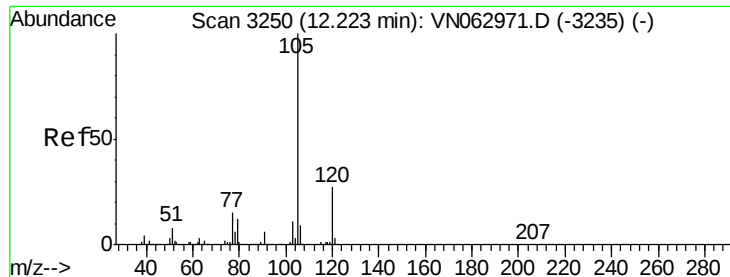


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.446 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. -0.00 min

Lab File: VN062975.D

Acq: 17 Aug 2020 17:50

Instrument :

MSVOA_N

ClientSampled :

ICVVN081720

Tot Ion: 105 Resp: 614554

Ion Ratio Lower Upper

105 100

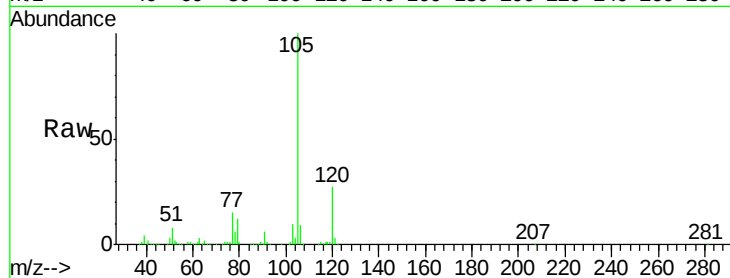
120 26.8 13.5 40.4

Manual Integrations

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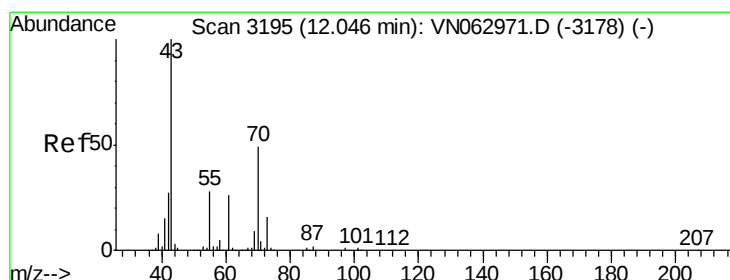
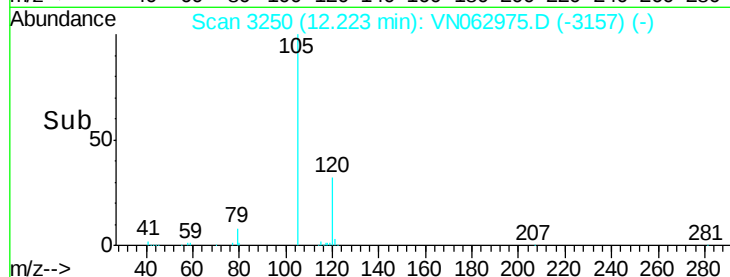
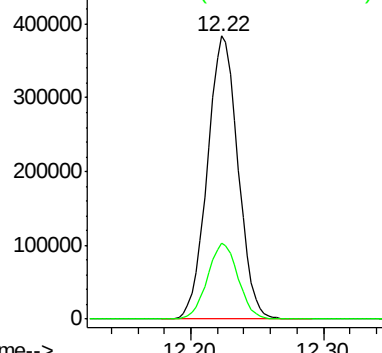
MMDadoda

8/18/2020 11:13:01 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 51.375 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. -0.00 min

Lab File: VN062975.D

Acq: 17 Aug 2020 17:50

Tgt Ion: 43 Resp: 210687

Ion Ratio Lower Upper

43 100

70 46.7 38.4 57.6

55 26.5 21.9 32.9

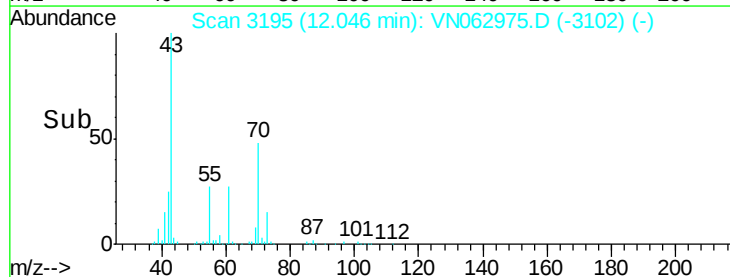
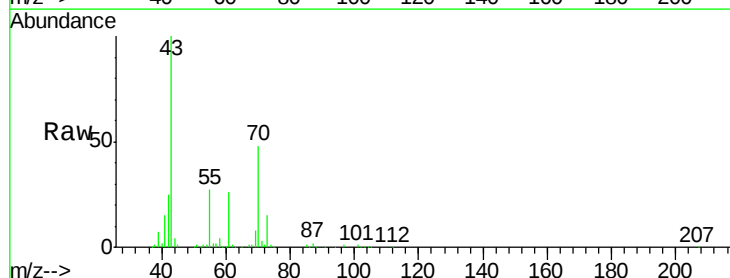
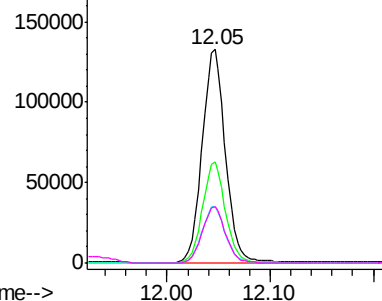
61 26.2 20.6 31.0

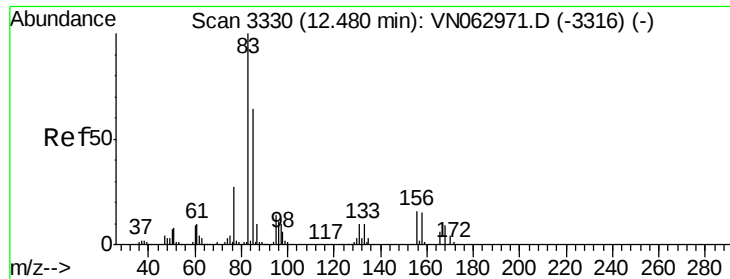
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 51.074 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VN062975.D

Acq: 17 Aug 2020 17:50

Instrument :

MSVOA_N

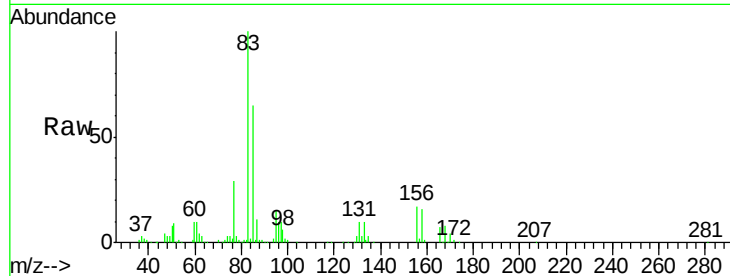
ClientSampleId :

ICVVN081720

Tot Ion:	83	Resp:	191996
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.3	16.1
85	65.0	31.9	95.7

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Abundance Ion 82.90 (82.60 to 83.60): VN062975.D (-3237) (-)

Ion 130.80 (130.50 to 131.50): VN062975.D (-3237) (-)

Ion 84.90 (84.60 to 85.60): VN062975.D (-3237) (-)

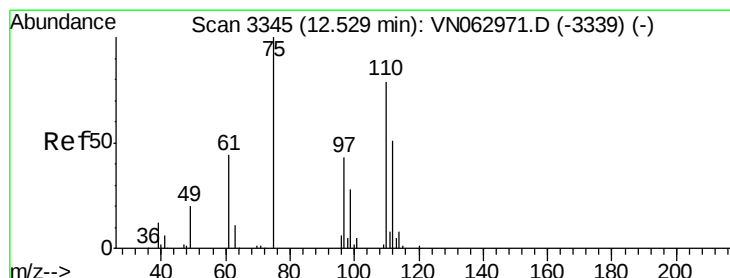
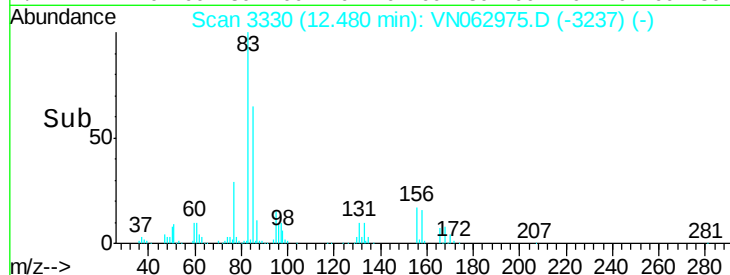
12.48

100000

50000

0

Time--> 12.40 12.45 12.50



#76

1,2,3-Trichloropropane

Concen: 51.276 ug/l m

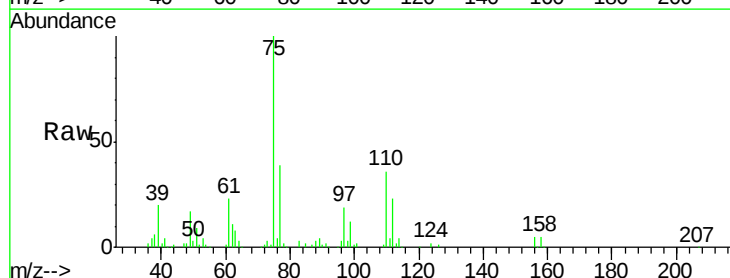
RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN062975.D

Acq: 17 Aug 2020 17:50

Tgt Ion:	75	Resp:	173847
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN062975.D (-3252) (-)

Ion 77.00 (76.70 to 77.70): VN062975.D (-3252) (-)

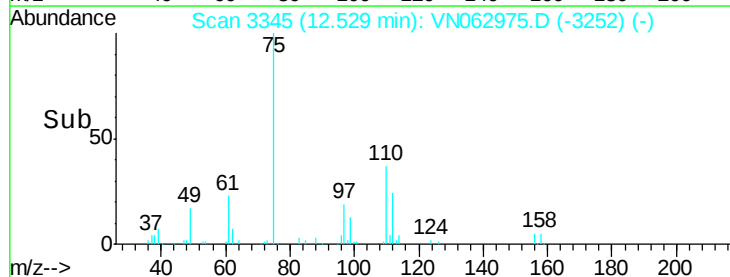
12.53

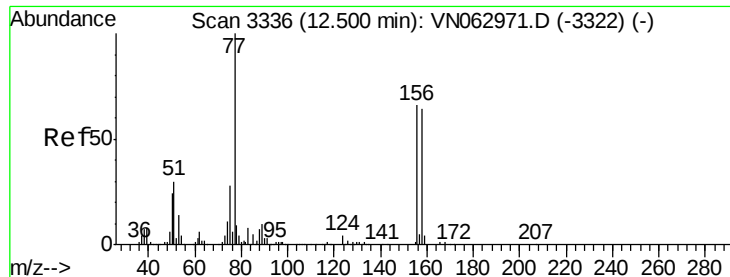
100000

50000

0

Time--> 12.50 12.55





#77

Bromobenzene

Concen: 47.829 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN062975.D

Acq: 17 Aug 2020 17:50

Instrument :

MSVOA_N

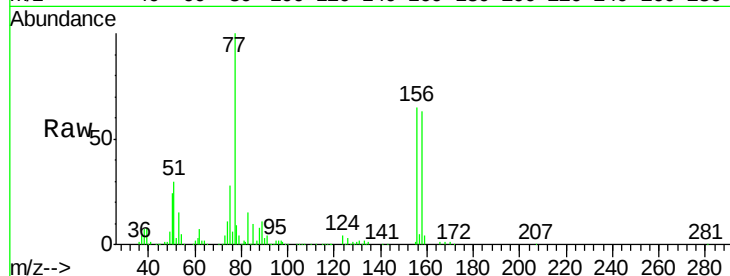
ClientSampleId :

ICVVN081720

Tot Ion:	156	Resp:	164726
Ion Ratio	Lower	Upper	
156	100		
77	185.0	92.4	277.2
158	96.6	48.6	145.8

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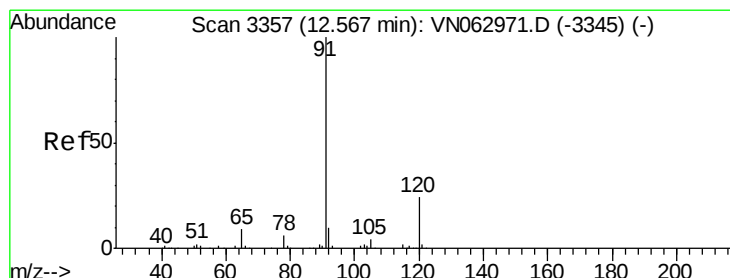
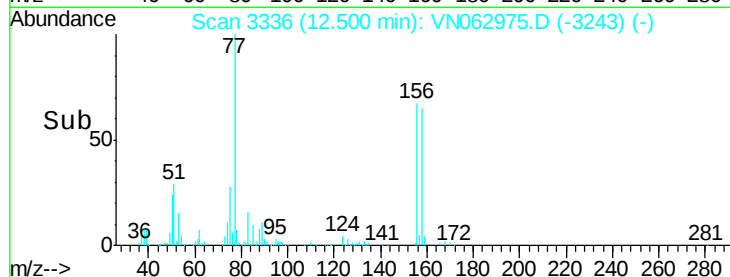
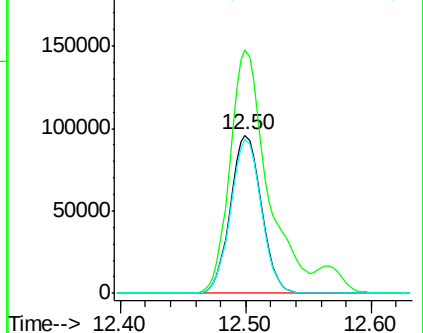
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.717 ug/l

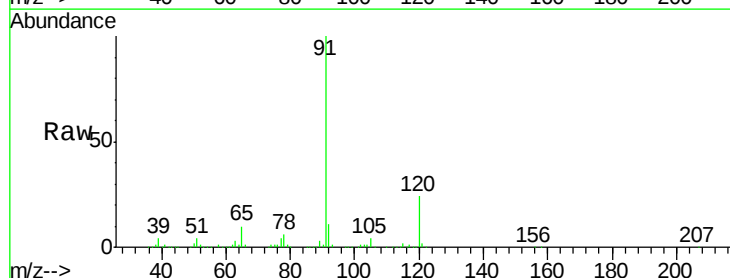
RT: 12.57 min Scan# 3357

Delta R.T. -0.00 min

Lab File: VN062975.D

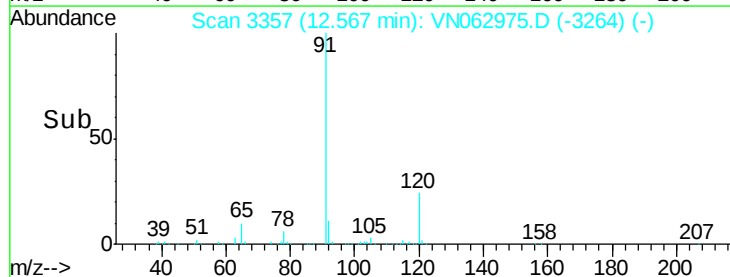
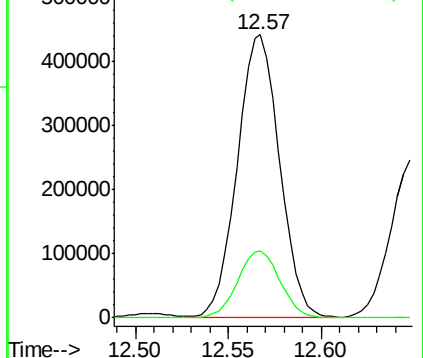
Acq: 17 Aug 2020 17:50

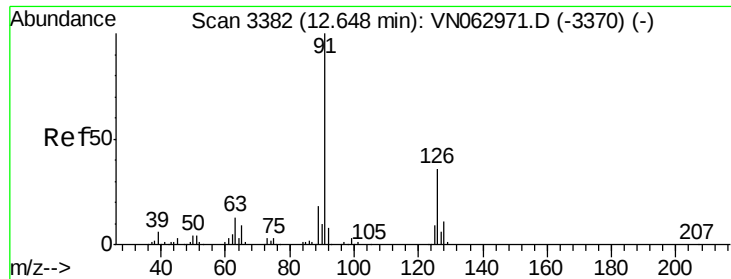
Tgt Ion:	91	Resp:	692961
Ion Ratio	Lower	Upper	
91	100		
120	23.9	12.1	36.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.278 ug/l

RT: 12.65 min Scan# 3383

Delta R.T. 0.00 min

Lab File: VN062975.D

Acq: 17 Aug 2020 17:50

Instrument :

MSVOA_N

ClientSampled :

ICVVN081720

Tot Ion: 91 Resp: 404413

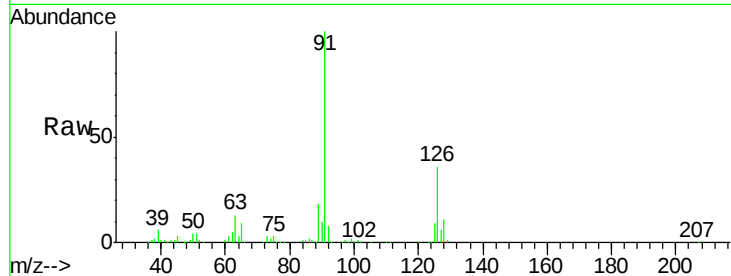
Ion Ratio Lower Upper

91 100

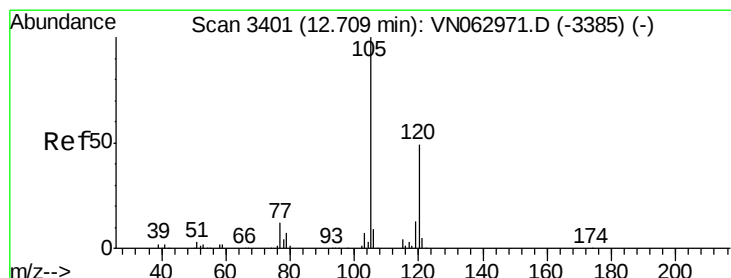
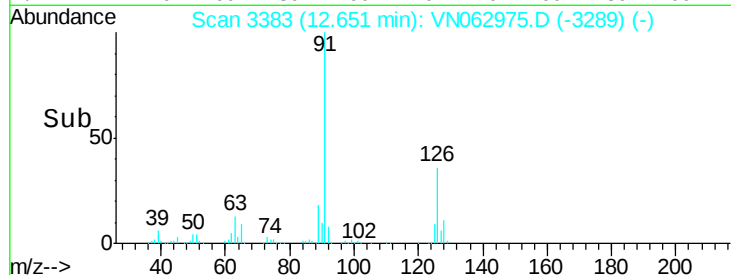
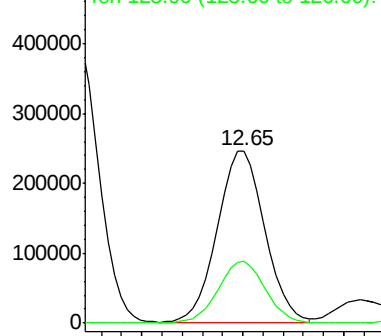
126 35.9 18.1 54.3

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Abundance Ion 91.00 (90.70 to 91.70): VN062975.D (-3382) (-)



#80

1,3,5-Trimethylbenzene

Concen: 51.798 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN062975.D

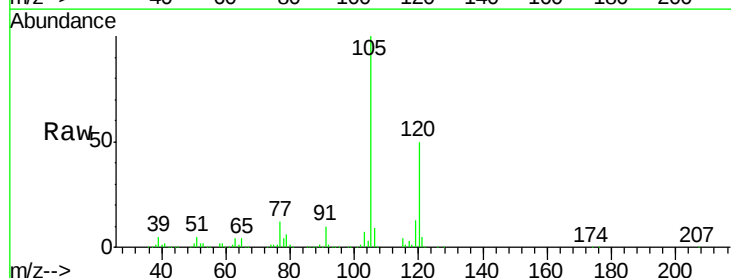
Acq: 17 Aug 2020 17:50

Tgt Ion: 105 Resp: 520627

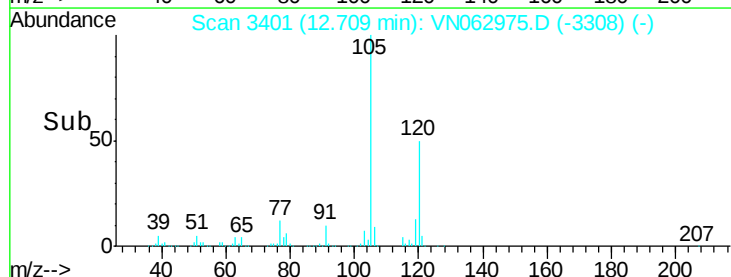
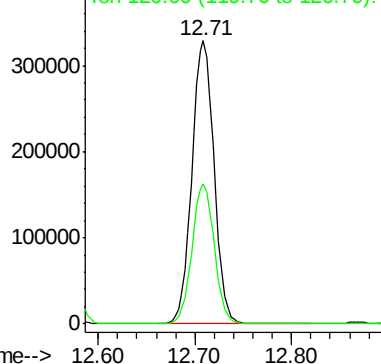
Ion Ratio Lower Upper

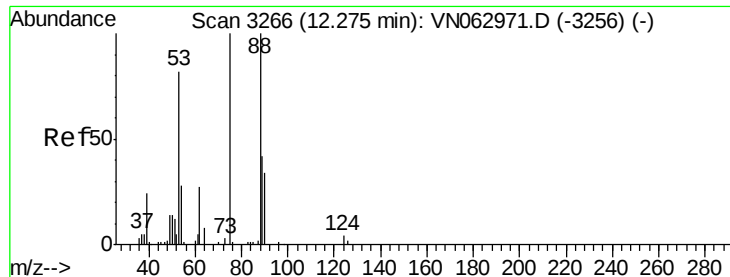
105 100

120 50.0 24.9 74.7



Abundance Ion 105.00 (104.70 to 105.70): VN062975.D (-3401) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 53.024 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. -0.00 min

Lab File: VN062975.D

Acq: 17 Aug 2020 17:50

Instrument :

MSVOA_N

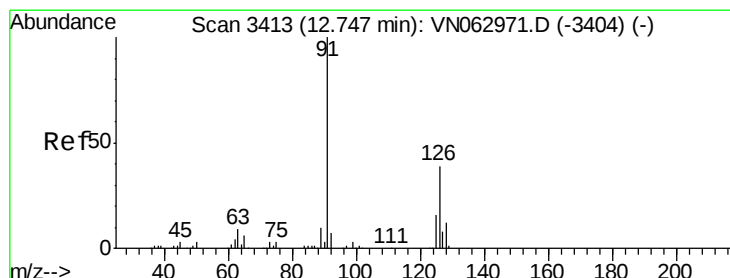
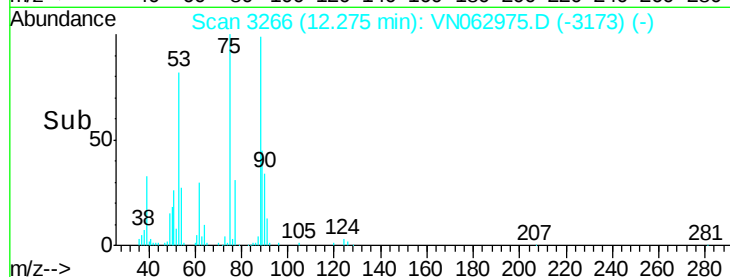
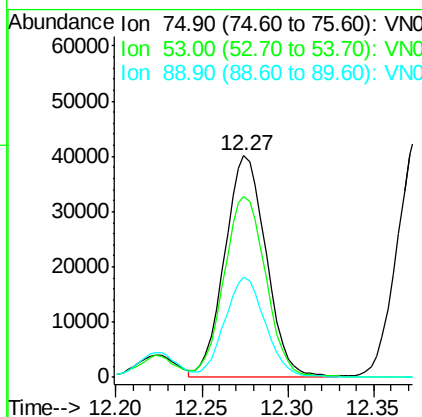
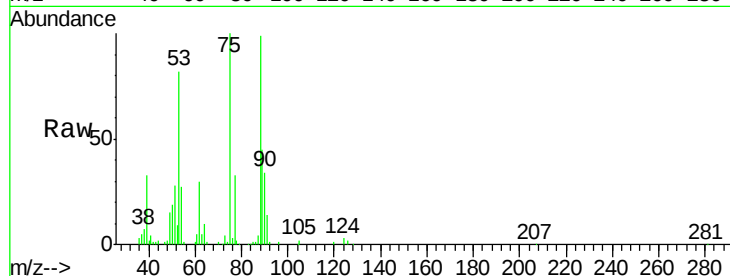
ClientSampleId :

ICVVN081720

Tot Ion:	75	Resp:	67716
Ion	Ratio	Lower	Upper
75	100		
53	82.4	66.2	99.2
89	44.3	35.0	52.4

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#82

4-Chlorotoluene

Concen: 49.618 ug/l

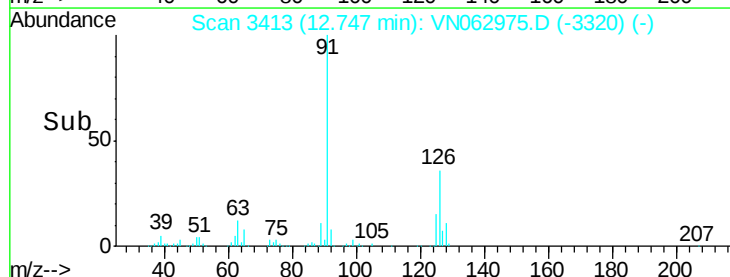
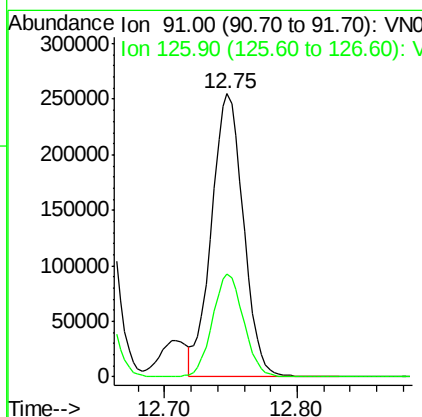
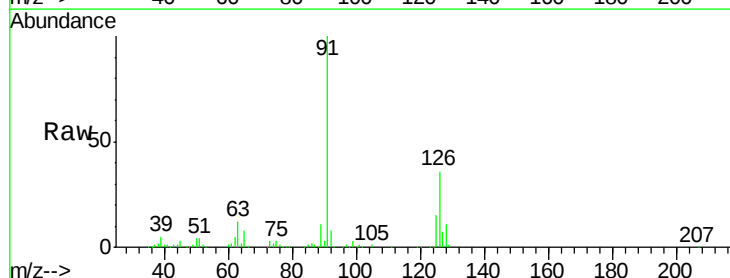
RT: 12.75 min Scan# 3413

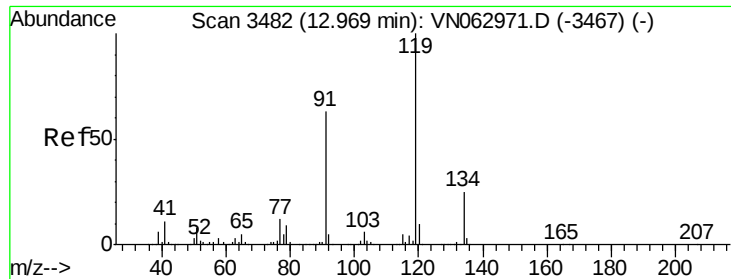
Delta R.T. -0.00 min

Lab File: VN062975.D

Acq: 17 Aug 2020 17:50

Tgt Ion:	91	Resp:	423552
Ion	Ratio	Lower	Upper
91	100		
126	35.7	17.6	52.8





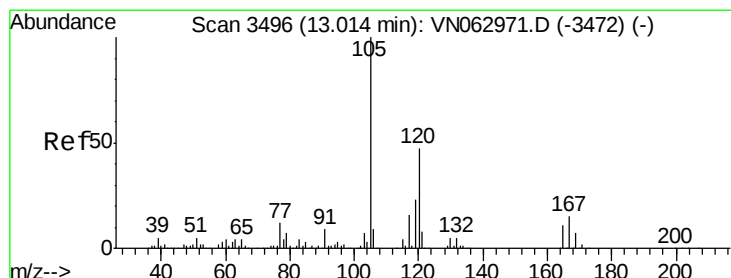
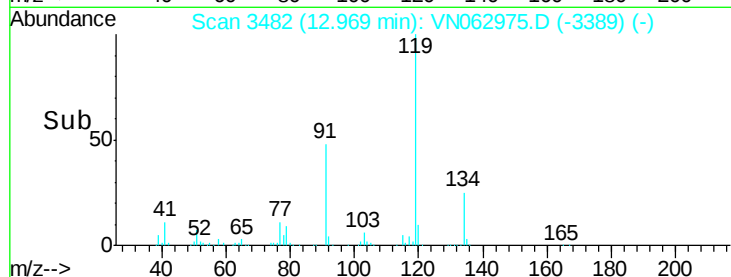
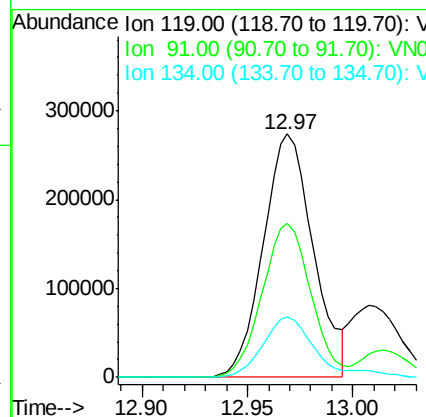
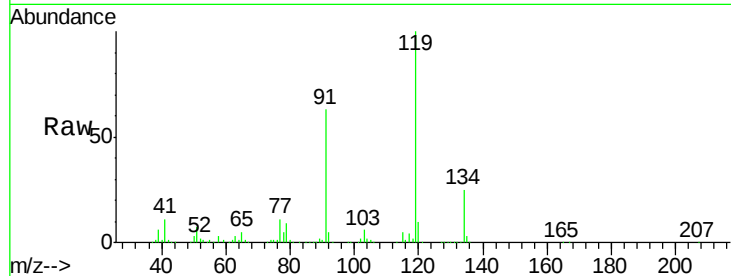
#83
tert-Butylbenzene
Concen: 52.141 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. -0.00 min
Lab File: VN062975.D
Acq: 17 Aug 2020 17:50

Instrument :
MSVOA_N
ClientSampleId :
ICVVN081720

Tot Ion	Ratio	Resp	Lower	Upper
119	100	451924		
91	62.0		31.0	93.0
134	26.3		13.3	39.8

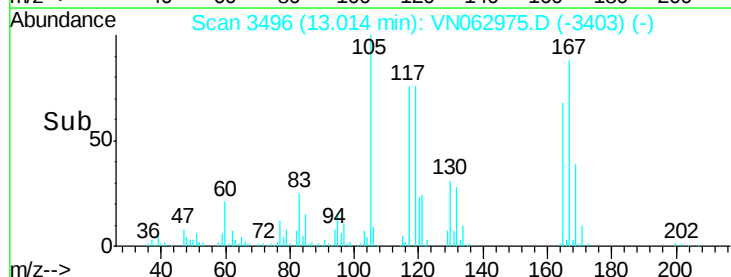
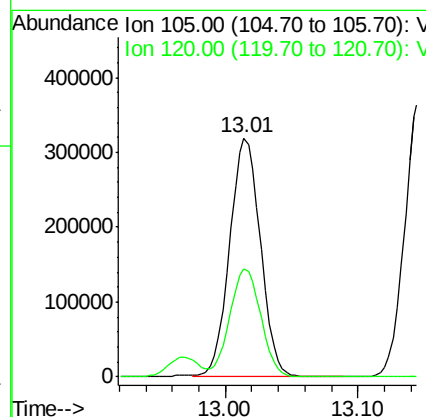
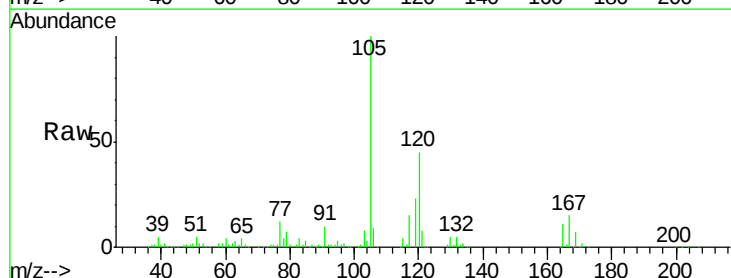
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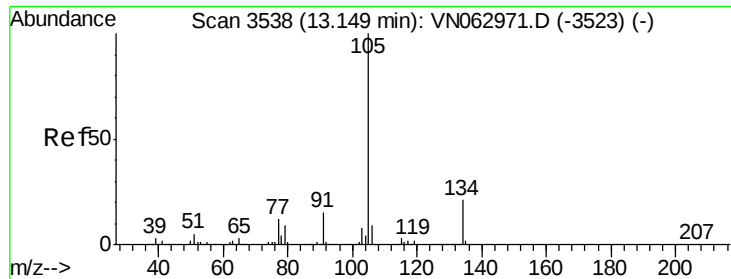
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#84
1,2,4-Trimethylbenzene
Concen: 52.664 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. -0.00 min
Lab File: VN062975.D
Acq: 17 Aug 2020 17:50

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	512188		
120	46.1		23.2	69.6





#85

sec-Butylbenzene

Concen: 52.021 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. -0.00 min

Lab File: VN062975.D

Acq: 17 Aug 2020 17:50

Instrument :

MSVOA_N

ClientSampled :

ICVVN081720

Tot Ion:105 Resp: 593405

Ion Ratio Lower Upper

105 100

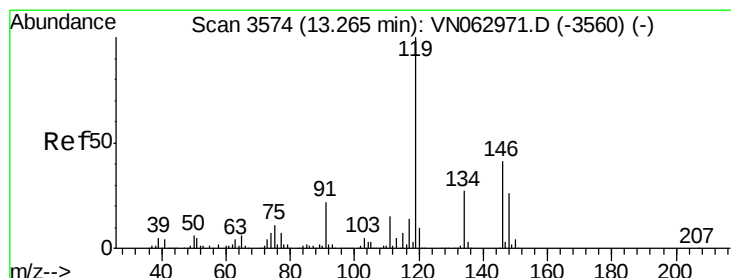
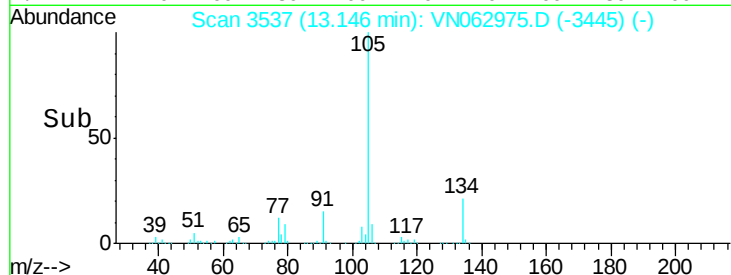
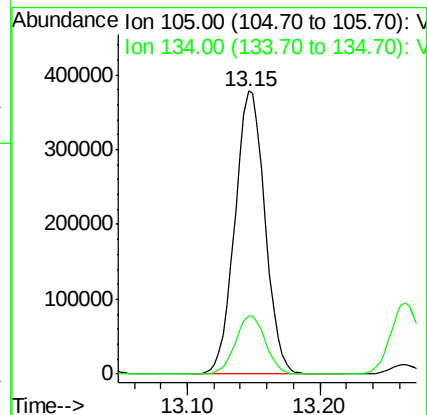
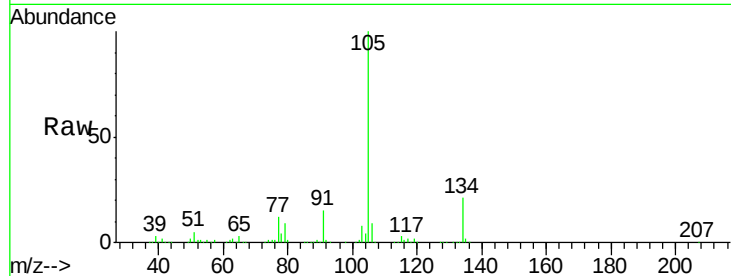
134 20.8 10.4 31.1

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#86

p-Isopropyltoluene

Concen: 53.866 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. -0.00 min

Lab File: VN062975.D

Acq: 17 Aug 2020 17:50

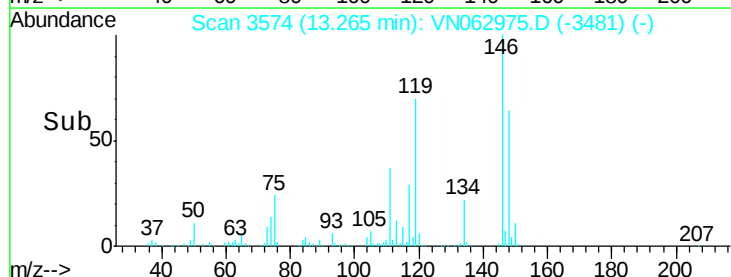
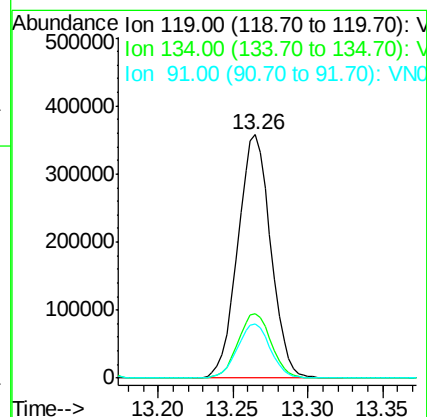
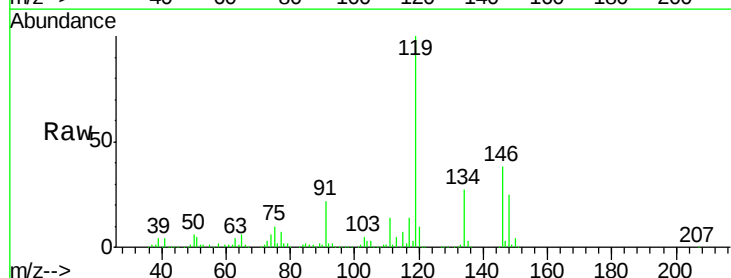
Tgt Ion:119 Resp: 546774

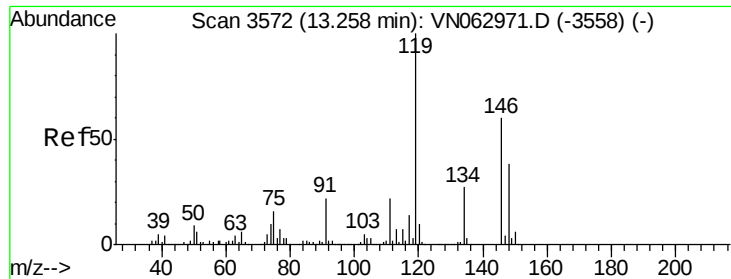
Ion Ratio Lower Upper

119 100

134 27.0 13.6 40.7

91 22.2 11.1 33.1





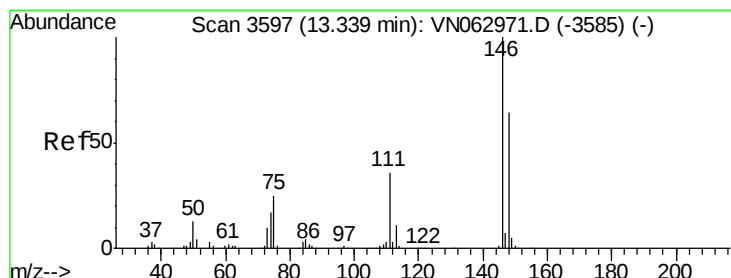
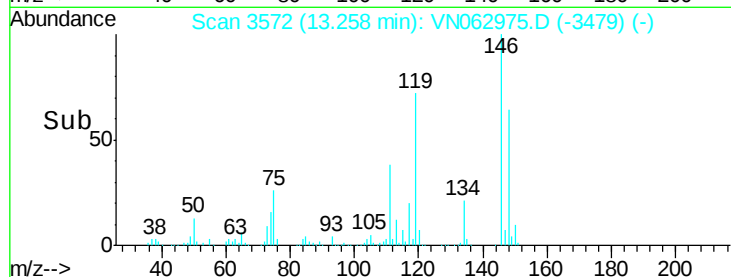
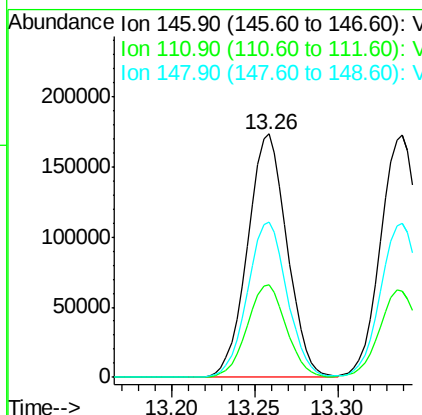
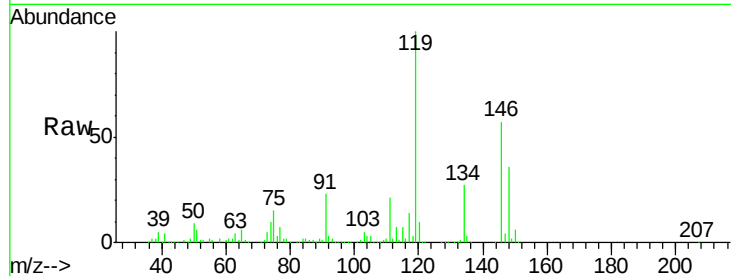
#87
 1,3-Dichlorobenzene
 Concen: 50.574 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. -0.00 min
 Lab File: VN062975.D
 Acq: 17 Aug 2020 17:50

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN081720

Tot Ion	Ratio	Resp	Lower	Upper
146	100	286860		
111	37.7	18.9	56.5	
148	64.0	31.7	95.1	

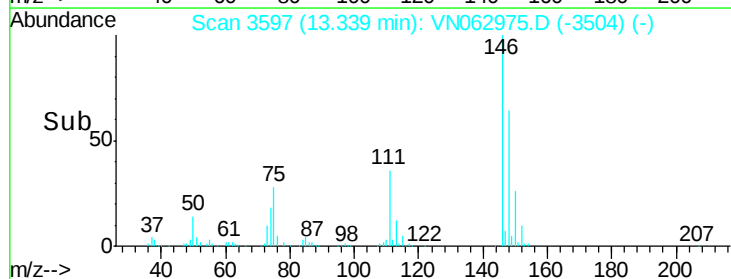
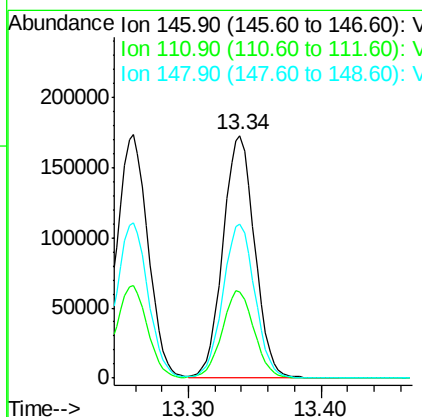
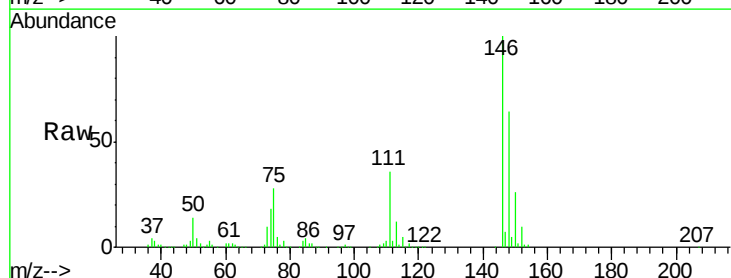
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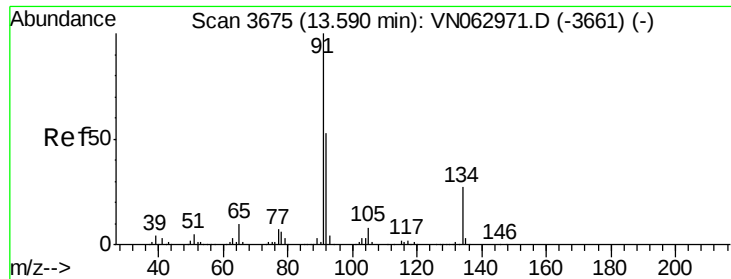
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#88
 1,4-Dichlorobenzene
 Concen: 48.976 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN062975.D
 Acq: 17 Aug 2020 17:50

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	286303		
111	36.3	18.4	55.2	
148	64.1	32.1	96.5	





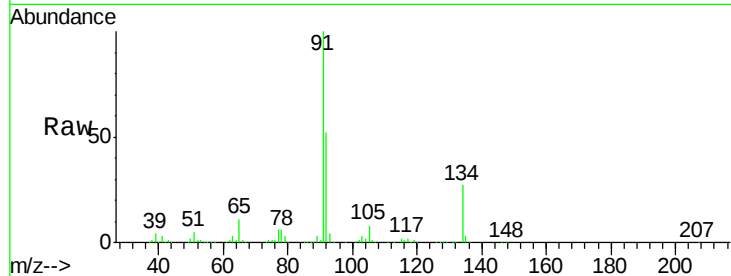
#89
n-Butylbenzene
Concen: 52.659 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. -0.00 min
Lab File: VN062975.D
Acq: 17 Aug 2020 17:50

Instrument :
MSVOA_N
ClientSampleId :
ICVVN081720

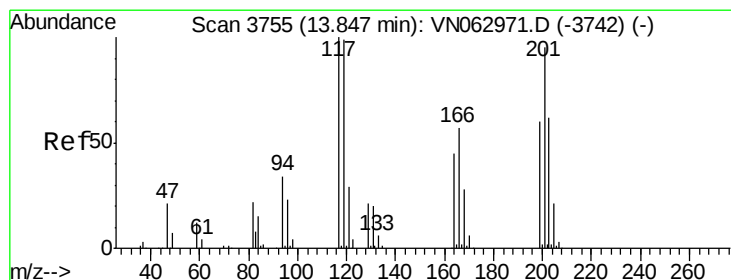
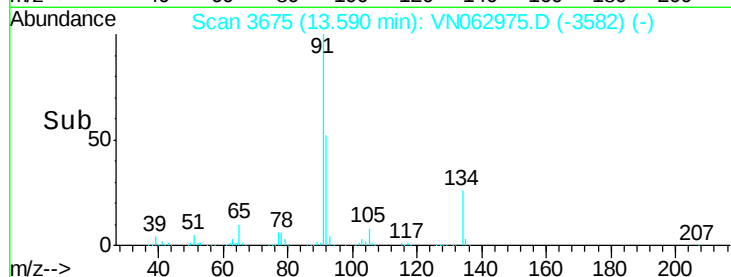
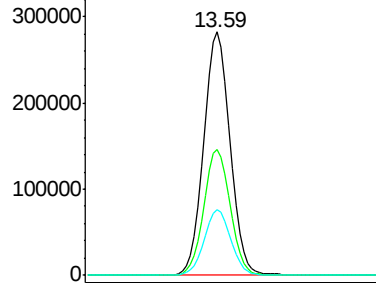
Tot Ion	Ratio	Lower	Upper
91	100		
92	51.9	26.3	78.8
134	27.1	13.4	40.2

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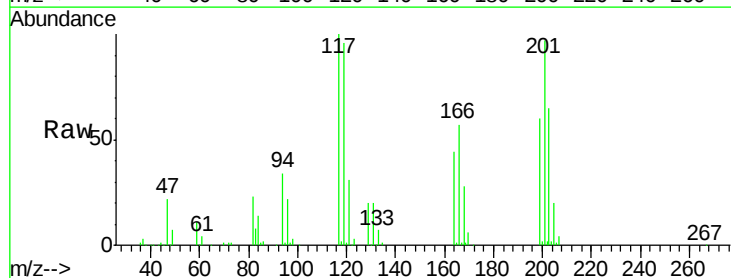


Abundance Ion 91.00 (90.70 to 91.70): VN062975.D (-3661) (-)
Ion 92.00 (91.70 to 92.70): VN062975.D (-3661) (-)
Ion 134.00 (133.70 to 134.70): VN062975.D (-3661) (-)

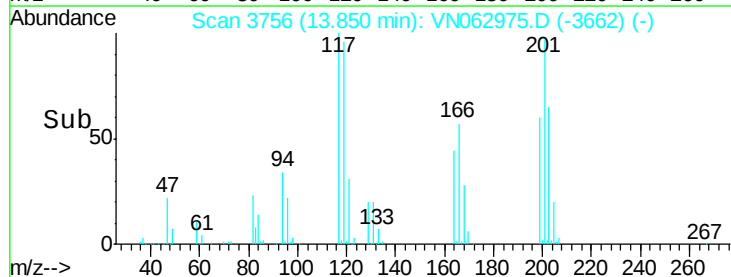
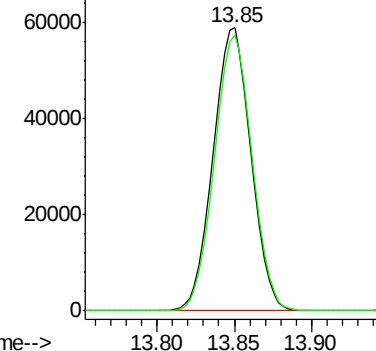


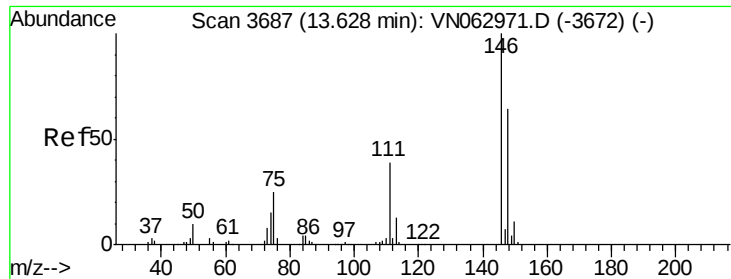
#90
Hexachloroethane
Concen: 48.820 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. 0.00 min
Lab File: VN062975.D
Acq: 17 Aug 2020 17:50

Tgt Ion	Ratio	Lower	Upper
117	100		
201	96.9	48.4	145.3



Abundance Ion 116.80 (116.50 to 117.50): VN062975.D (-3662) (-)
Ion 200.70 (200.40 to 201.40): VN062975.D (-3662) (-)





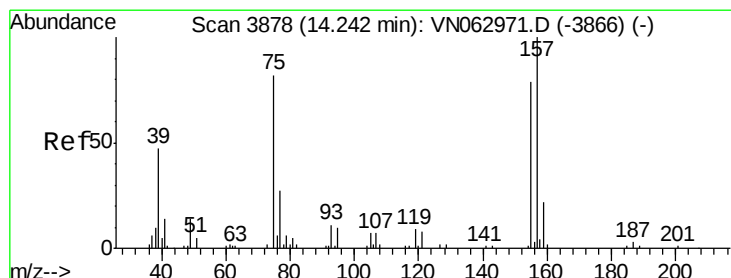
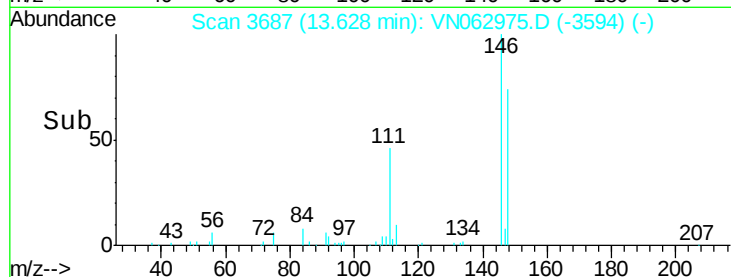
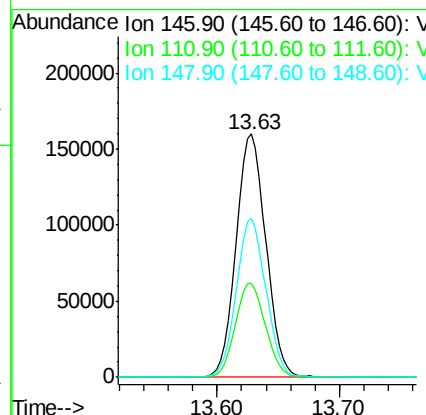
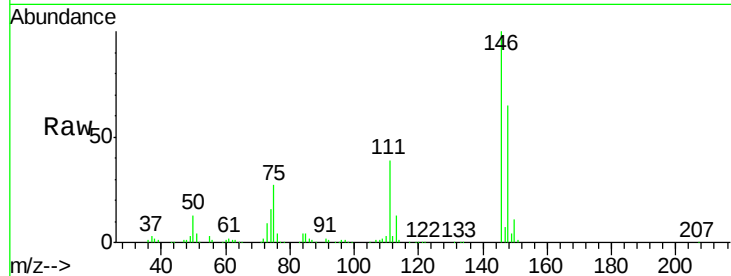
#91
 1,2-Dichlorobenzene
 Concen: 49.642 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN062975.D
 Acq: 17 Aug 2020 17:50

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN081720

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.4	58.4
148	64.8	32.5	97.5

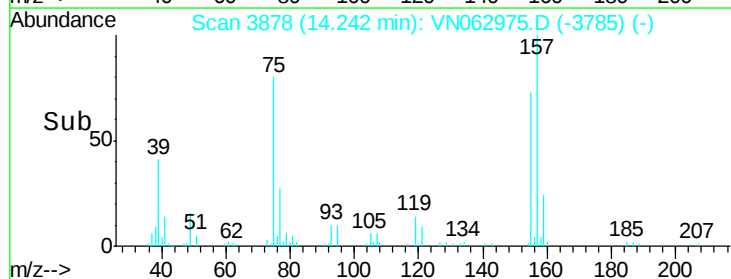
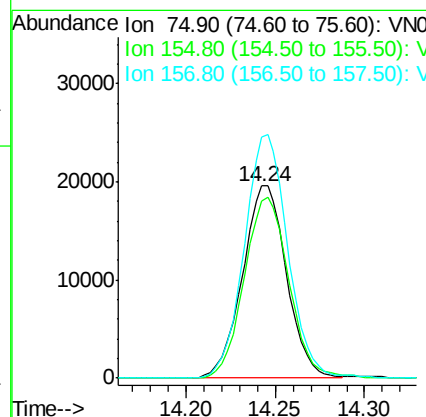
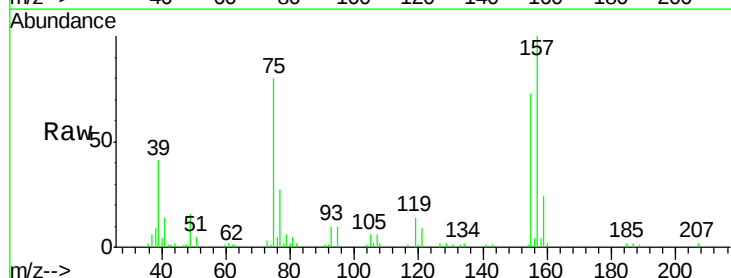
Manual Integrations
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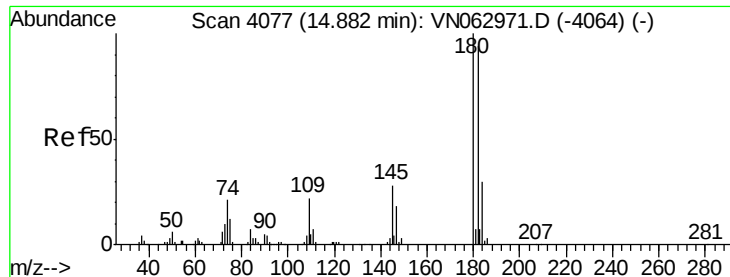
MMDadoda
 8/18/2020 11:13:01 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.781 ug/l
 RT: 14.24 min Scan# 3878
 Delta R.T. -0.00 min
 Lab File: VN062975.D
 Acq: 17 Aug 2020 17:50

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.5	47.6	142.8
157	125.5	61.4	184.1





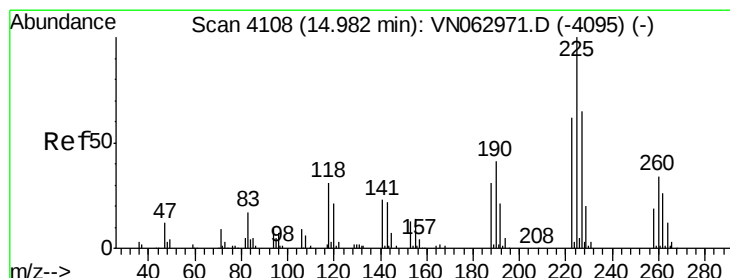
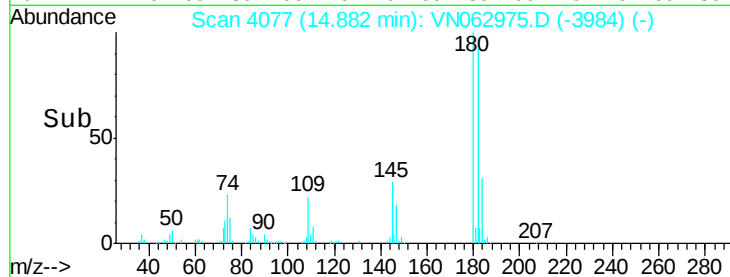
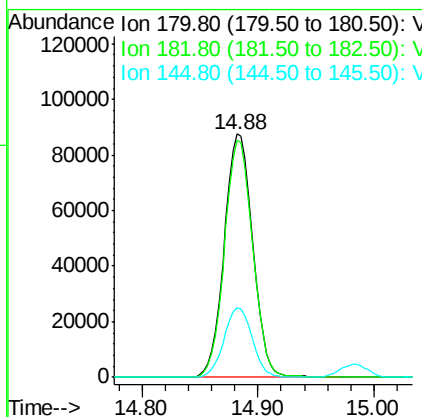
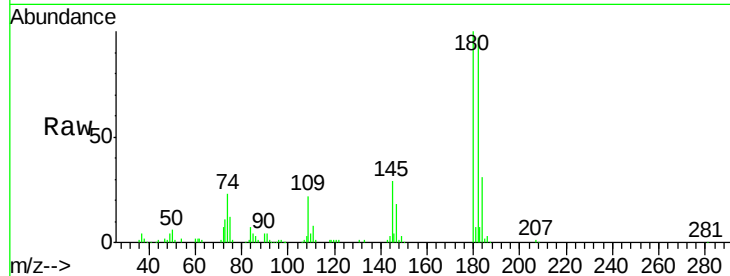
#93
 1,2,4-Trichlorobenzene
 Concen: 47.980 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. 0.00 min
 Lab File: VN062975.D
 Acq: 17 Aug 2020 17:50

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN081720

Tot Ion	Ratio	Resp	Lower	Upper
180	100	149085		
182	96.3	47.8	143.3	
145	28.5	13.9	41.7	

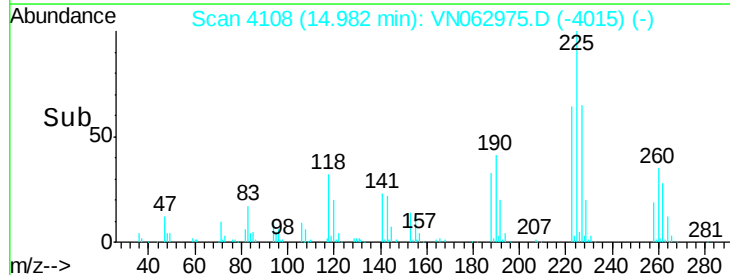
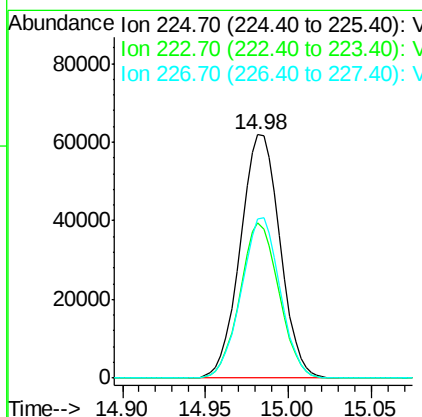
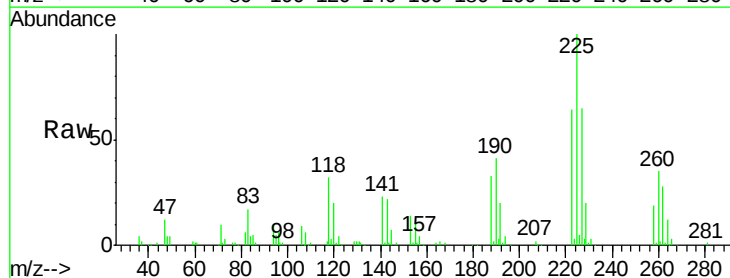
Manual Integrations
 APPROVED

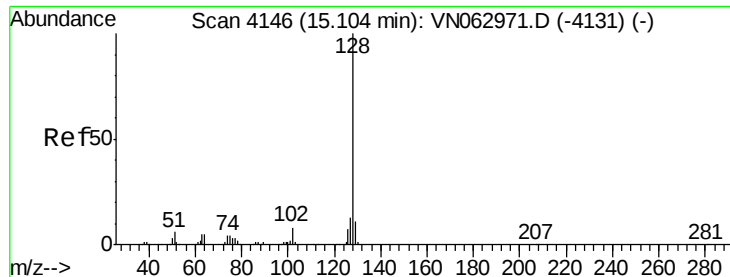
MMDadoda
 8/18/2020 11:13:01 AM



#94
 Hexachlorobutadiene
 Concen: 48.636 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. -0.00 min
 Lab File: VN062975.D
 Acq: 17 Aug 2020 17:50

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	102917		
223	62.6	30.9	92.5	
227	64.5	32.0	96.0	





#95

Naphthalene

Concen: 53.476 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. 0.00 min

Lab File: VN062975.D

Acq: 17 Aug 2020 17:50

Instrument :

MSVOA_N

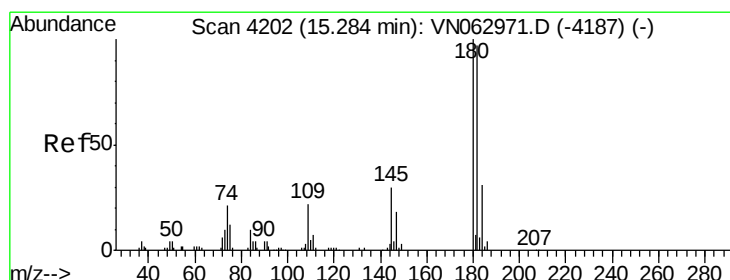
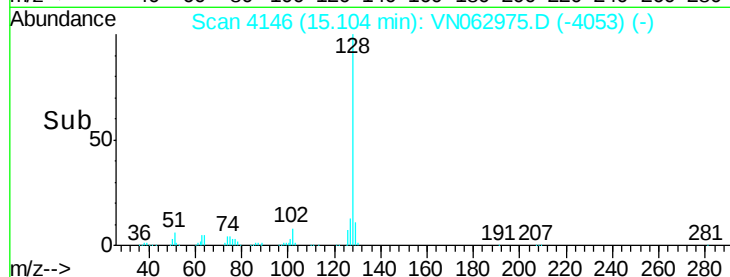
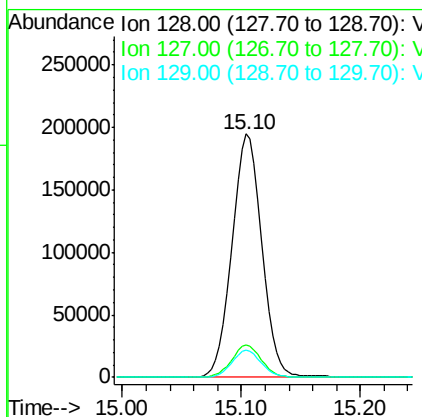
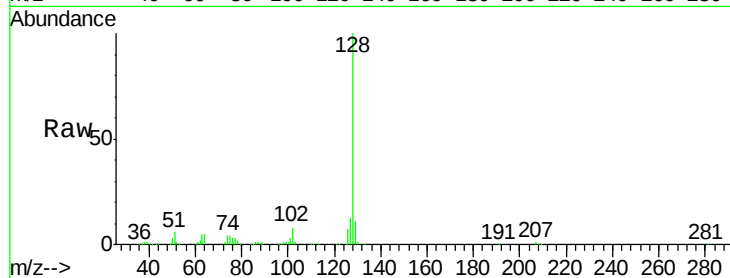
ClientSampleId :

ICVVN081720

Tot Ion:	128	Resp:	339054
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.6	15.8
129	10.9	8.6	12.8

Manual Integrations
APPROVED

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8/18/2020 11:13:01 AM



#96

1,2,3-Trichlorobenzene

Concen: 47.296 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. 0.00 min

Lab File: VN062975.D

Acq: 17 Aug 2020 17:50

Tgt Ion:	180	Resp:	144722
Ion Ratio	Lower	Upper	
180	100		
182	96.3	49.3	147.8
145	30.0	15.0	45.0

