

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082620\
 Data File : VN063145.D
 Acq On : 26 Aug 2020 20:11
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/27/2020 1:28:37 PM

Quant Time: Aug 27 02:22:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 19 06:09:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	189111	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	288830	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	270562	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	135142	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	111929	49.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.88%	
35) Dibromofluoromethane	7.55	113	94747	50.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.68%	
50) Toluene-d8	10.06	98	367768	50.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.74%	
62) 4-Bromofluorobenzene	12.38	95	132949	52.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	102244	41.430	ug/l	100
3) Chloromethane	2.03	50	108442	41.822	ug/l	99
4) Vinyl Chloride	2.17	62	122091	48.688	ug/l	99
5) Bromomethane	2.54	94	72508	48.715	ug/l	96
6) Chloroethane	2.67	64	73196	49.439	ug/l	100
7) Trichlorofluoromethane	2.99	101	151360	48.401	ug/l	97
8) Diethyl Ether	3.38	74	48877	44.181	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.72	101	72424	42.979	ug/l	100
10) Methyl Iodide	3.91	142	98139	45.947	ug/l	100
11) Tert butyl alcohol	4.73	59	65529	206.408	ug/l	100
12) 1,1-Dichloroethene	3.70	96	67790	42.230	ug/l	99
13) Acrolein	3.57	56	1998	20.089	ug/l	86
14) Allyl chloride	4.28	41	119492	42.218	ug/l	96
15) Acrylonitrile	4.93	53	200369	214.732	ug/l	100
16) Acetone	3.78	43	139710	199.093	ug/l	99
17) Carbon Disulfide	4.01	76	157005	37.347	ug/l	97
18) Methyl Acetate	4.28	43	91669	41.156	ug/l	98
19) Methyl tert-butyl Ether	5.00	73	272057	48.597	ug/l	99
20) Methylene Chloride	4.51	84	89983	45.414	ug/l	96
21) trans-1,2-Dichloroethene	4.99	96	74158	44.144	ug/l	98
22) Diisopropyl ether	5.91	45	293314	45.668	ug/l	99
23) Vinyl Acetate	5.85	43	910548	210.086	ug/l	97
24) 1,1-Dichloroethane	5.80	63	157585	43.906	ug/l	100
25) 2-Butanone	6.79	43	265595	223.204	ug/l	98
26) 2,2-Dichloropropane	6.78	77	125092	44.318	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	101768	48.332	ug/l	98
28) Bromochloromethane	7.15	49	91526	48.738	ug/l	99
29) Tetrahydrofuran	7.17	42	173725	226.212	ug/l	98
30) Chloroform	7.33	83	171957	47.572	ug/l	99
31) Cyclohexane	7.62	56	144523	43.750	ug/l	98
32) 1,1,1-Trichloroethane	7.53	97	140629	47.655	ug/l	99
36) 1,1-Dichloropropene	7.75	75	115324	45.308	ug/l	99
37) Ethyl Acetate	6.88	43	101797	42.682	ug/l	99
38) Carbon Tetrachloride	7.73	117	118261	46.021	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	124166	36.566	ug/l	98
40) Benzene	8.00	78	374002	46.328	ug/l	99
41) Methacrylonitrile	7.12	41	44104	38.813	ug/l #	82
42) 1,2-Dichloroethane	8.09	62	124913	46.082	ug/l	100
43) Isopropyl Acetate	8.13	43	177632	44.956	ug/l	98
44) Trichloroethene	8.80	130	94375	46.998	ug/l	98
45) 1,2-Dichloropropane	9.09	63	108280	46.402	ug/l	99
46) Dibromomethane	9.18	93	62034	46.017	ug/l	98
47) Bromodichloromethane	9.37	83	139181	47.139	ug/l	98
48) Methyl methacrylate	9.17	41	91591	48.992	ug/l	96
49) 1,4-Dioxane	9.17	88	33191	809.748	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	579650	232.091	ug/l	99
52) Toluene	10.13	92	230824	47.398	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	149644	49.010	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	162055	48.382	ug/l	97
55) 1,1,2-Trichloroethane	10.54	97	97300	46.727	ug/l	99
56) Ethyl methacrylate	10.40	69	143835	44.908	ug/l	100
57) 1,3-Dichloropropane	10.68	76	163674	47.336	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	326882	409.873	ug/l	99
59) 2-Hexanone	10.72	43	413926	237.605	ug/l	100
60) Dibromochloromethane	10.88	129	108970	47.288	ug/l	99
61) 1,2-Dibromoethane	10.98	107	93867	46.915	ug/l	98
64) Tetrachloroethene	10.60	164	92925	52.248	ug/l	98
65) Chlorobenzene	11.41	112	258825	47.632	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	101930	48.227	ug/l	100
67) Ethyl Benzene	11.49	91	453886	49.434	ug/l	99
68) m/p-Xylenes	11.60	106	343343	100.612	ug/l	99
69) o-Xylene	11.92	106	163140	49.784	ug/l	99
70) Styrene	11.94	104	300099	46.296	ug/l	99
71) Bromoform	12.10	173	81077	48.194	ug/l #	99
73) Isopropylbenzene	12.23	105	435598	47.069	ug/l	100
74) N-amyl acetate	12.05	43	167240	50.457	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	138483	46.246	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	108796m	41.417	ug/l	
77) Bromobenzene	12.50	156	117839	46.297	ug/l	99
78) n-propylbenzene	12.57	91	503413	47.723	ug/l	100
79) 2-Chlorotoluene	12.65	91	309599	46.662	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	366534	47.911	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	46135	48.235	ug/l	98
82) 4-Chlorotoluene	12.75	91	326847	48.378	ug/l	98
83) tert-Butylbenzene	12.97	119	300338	45.485	ug/l	100
84) 1,2,4-Trimethylbenzene	13.01	105	376086	50.461	ug/l	99
85) sec-Butylbenzene	13.15	105	389312	43.626	ug/l	99
86) p-Isopropyltoluene	13.26	119	357031	45.917	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	213290	48.760	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	214288	48.266	ug/l	100
89) n-Butylbenzene	13.59	91	299587	41.170	ug/l	100
90) Hexachloroethane	13.85	117	63371	38.344	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	210883	49.909	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.25	75	25461	54.628	ug/l	99

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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	129038	54.631	ug/l	98
94) Hexachlorobutadiene	14.99	225	47275	30.278	ug/l	99
95) Naphthalene	15.10	128	373252	67.053	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	127328	55.024	ug/l	99

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

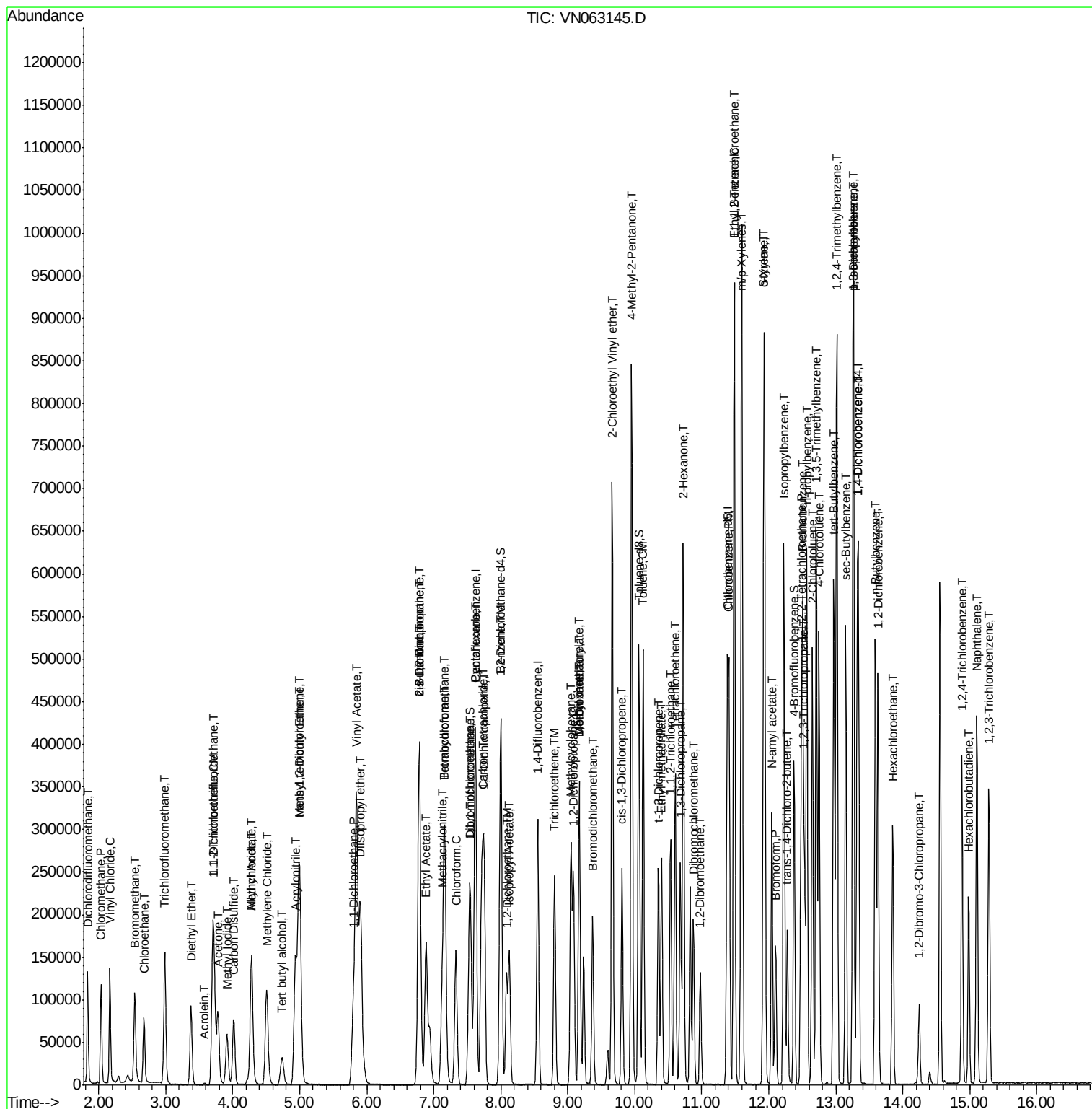
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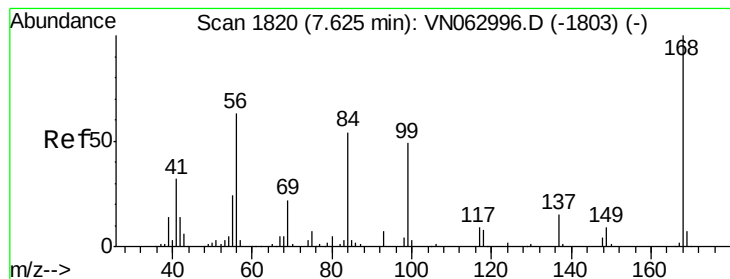
Instrument :
MSVOA_N
Client Sample Id :
VSTDCCC050EC

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VN063145.D

Acq: 26 Aug 2020 20:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 168 Resp: 189111

Ion Ratio Lower Upper

168 100

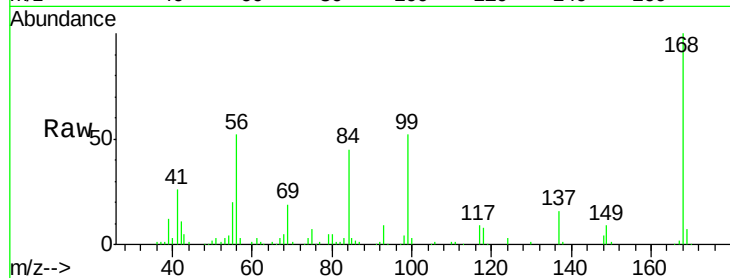
99 51.8 42.0 63.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

80000

60000

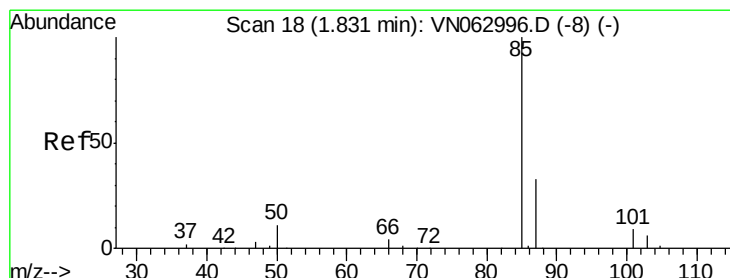
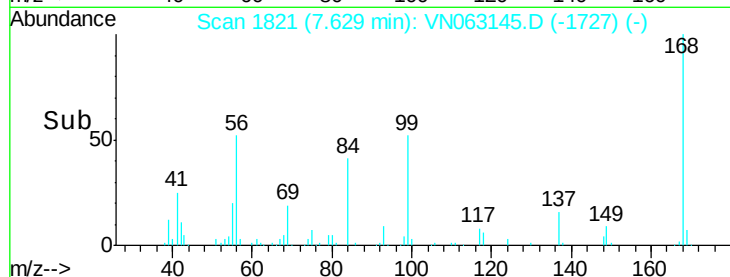
40000

20000

0

7.55 7.60 7.65 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 41.430 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN063145.D

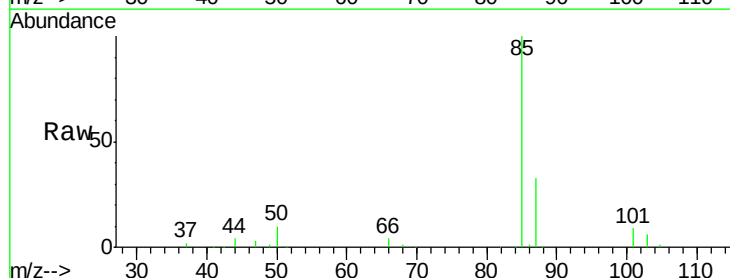
Acq: 26 Aug 2020 20:11

Tgt Ion: 85 Resp: 102244

Ion Ratio Lower Upper

85 100

87 32.8 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

80000

60000

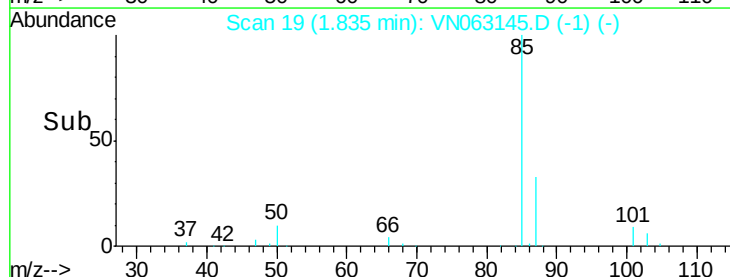
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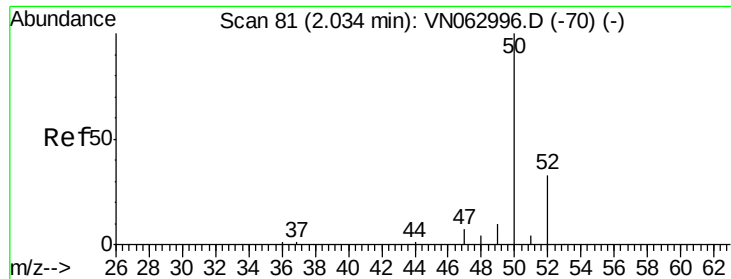
20000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 41.822 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN063145.D

Acq: 26 Aug 2020 20:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 108442

Ion Ratio Lower Upper

50 100

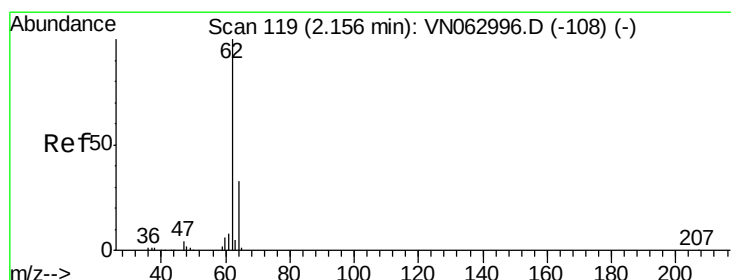
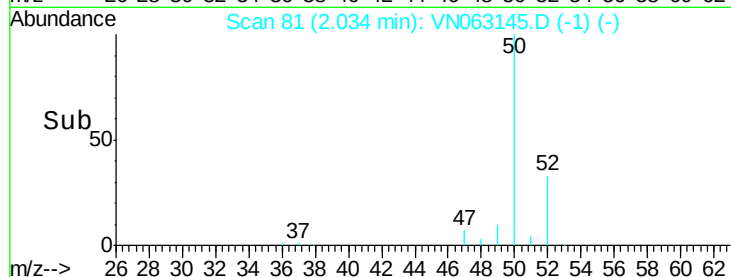
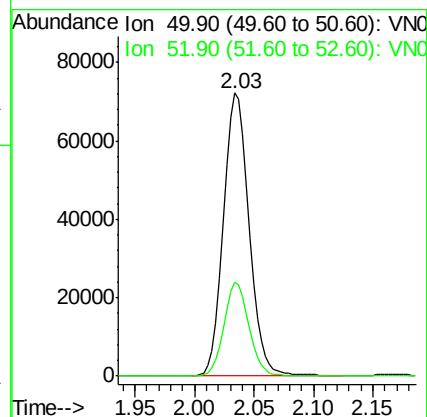
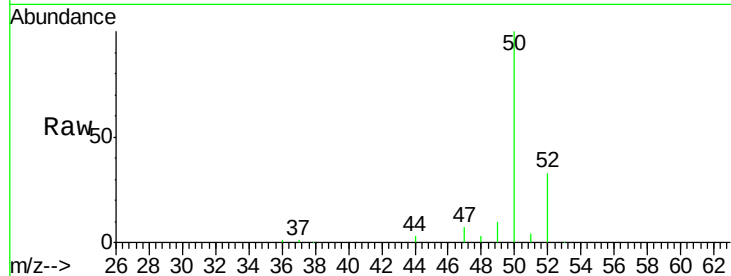
52 33.1 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 48.688 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.01 min

Lab File: VN063145.D

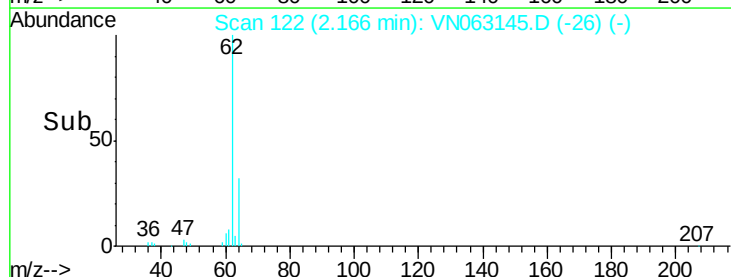
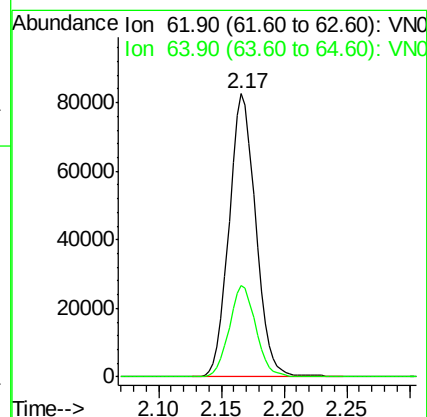
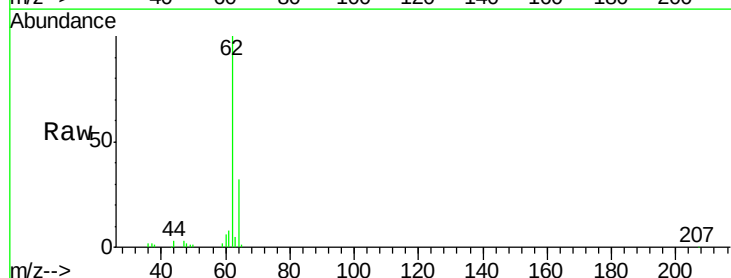
Acq: 26 Aug 2020 20:11

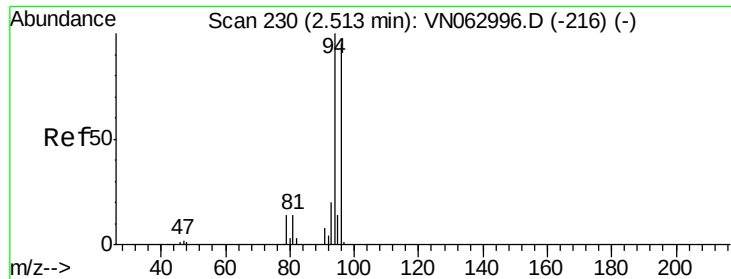
Tgt Ion: 62 Resp: 122091

Ion Ratio Lower Upper

62 100

64 32.1 26.2 39.2





#5

Bromomethane

Concen: 48.715 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.03 min

Lab File: VN063145.D

Acq: 26 Aug 2020 20:11

Instrument :

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ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 72508

Ion Ratio Lower Upper

94 100

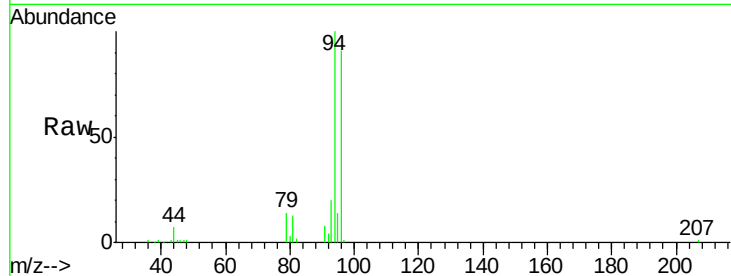
96 90.5 75.8 113.8

Manual Integrations

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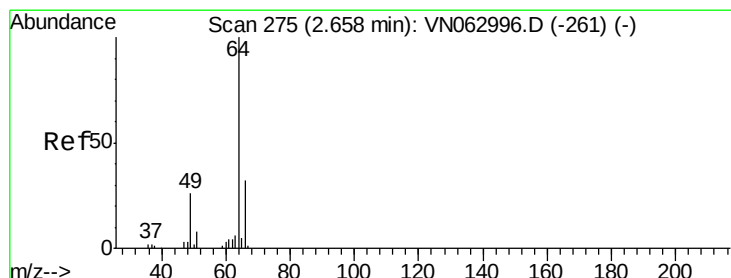
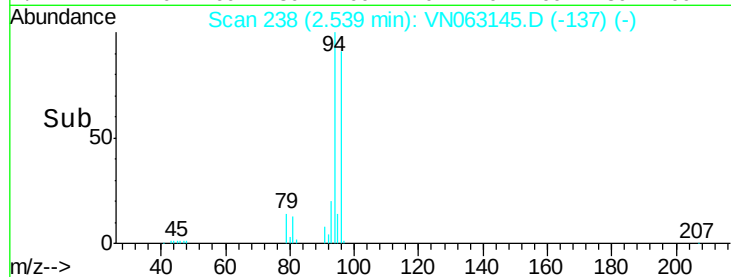
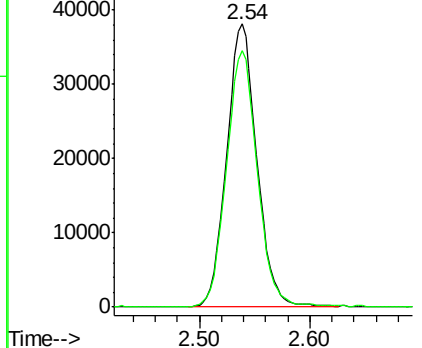
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 49.439 ug/l

RT: 2.67 min Scan# 280

Delta R.T. 0.02 min

Lab File: VN063145.D

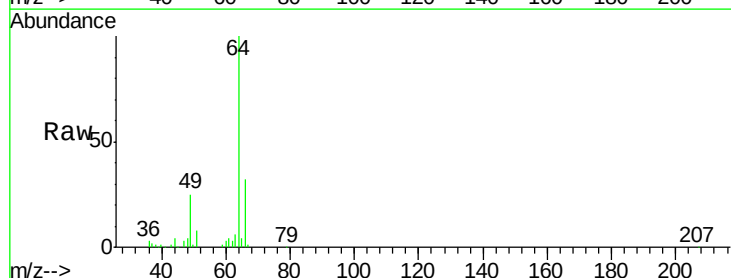
Acq: 26 Aug 2020 20:11

Tgt Ion: 64 Resp: 73196

Ion Ratio Lower Upper

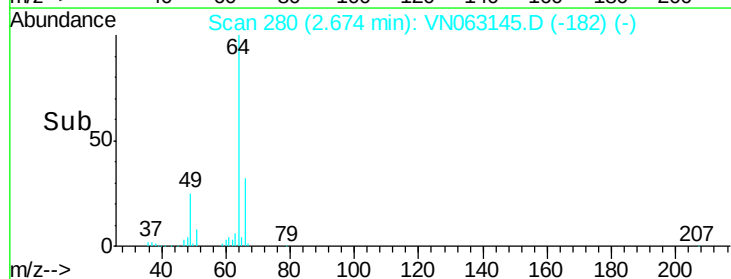
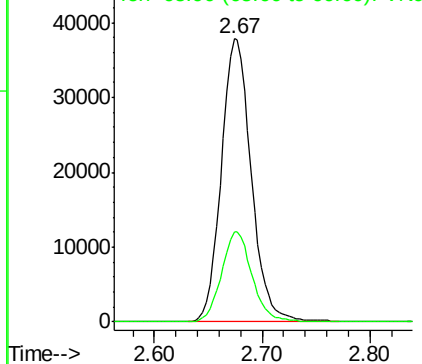
64 100

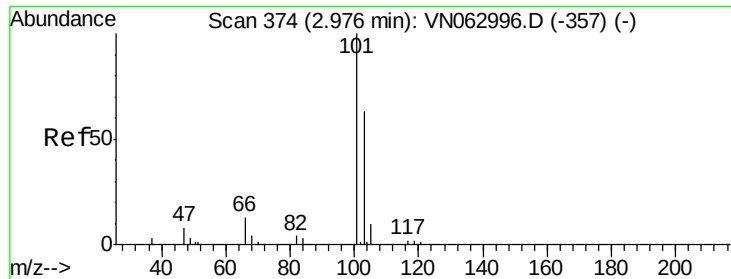
66 31.7 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

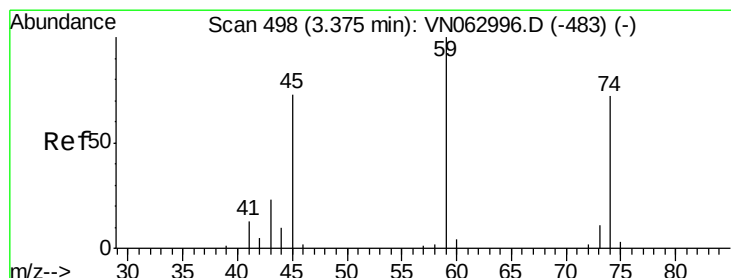
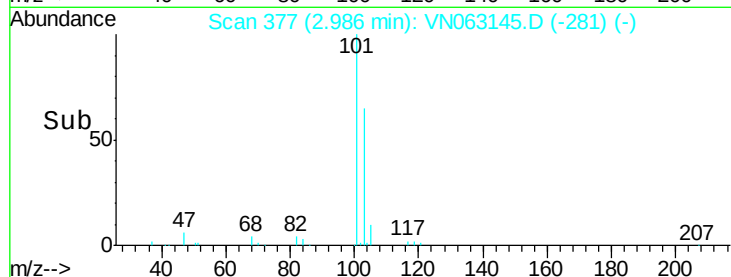
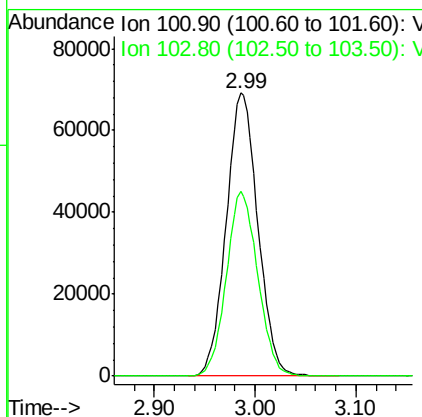
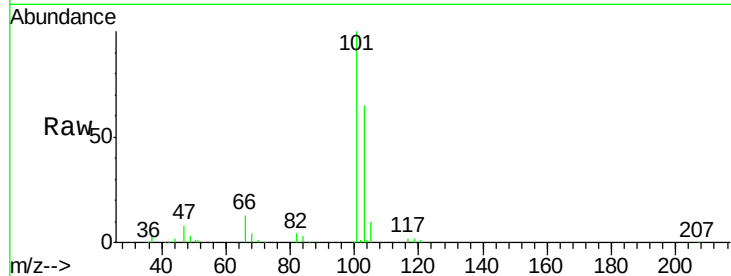
Trichlorofluoromethane
 Concen: 48.401 ug/l
 RT: 2.99 min Scan# 377
 Delta R.T. 0.01 min
 Lab File: VN063145.D
 Acq: 26 Aug 2020 20:11

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.3	50.5	75.7

Manual Integrations
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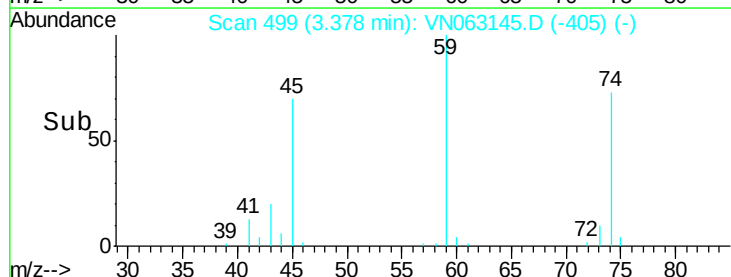
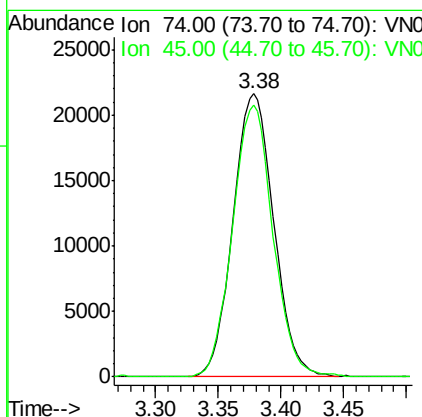
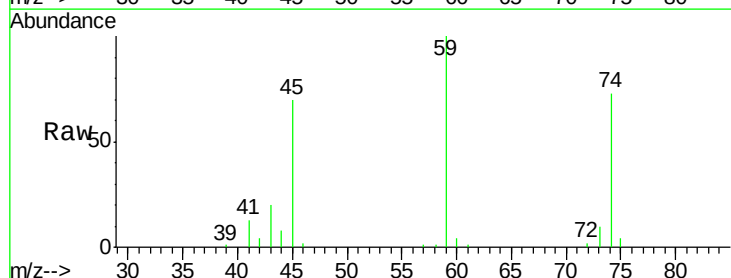
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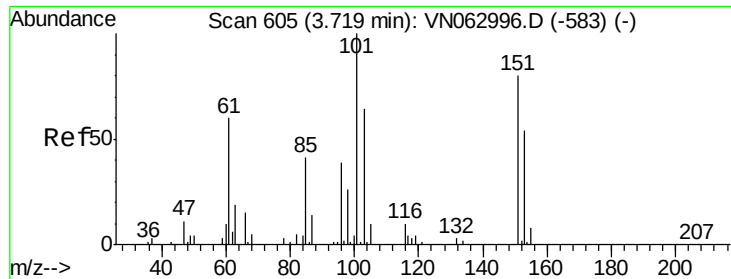


#8

Diethyl Ether
 Concen: 44.181 ug/l
 RT: 3.38 min Scan# 499
 Delta R.T. 0.00 min
 Lab File: VN063145.D
 Acq: 26 Aug 2020 20:11

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.6	49.9	149.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 42.979 ug/l

RT: 3.72 min Scan# 606

Delta R.T. 0.00 min

Lab File: VN063145.D

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MSVOA_N

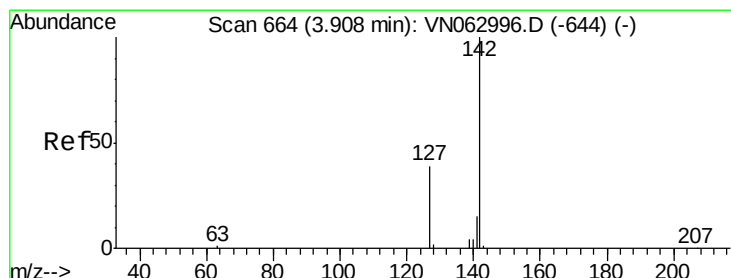
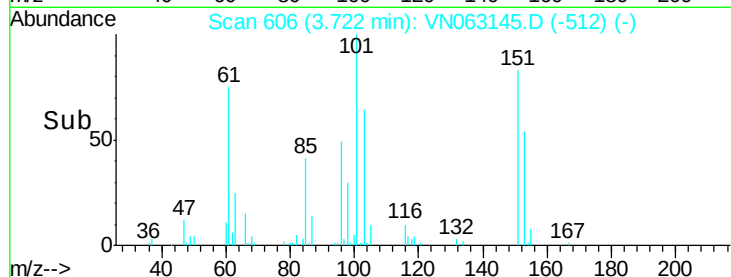
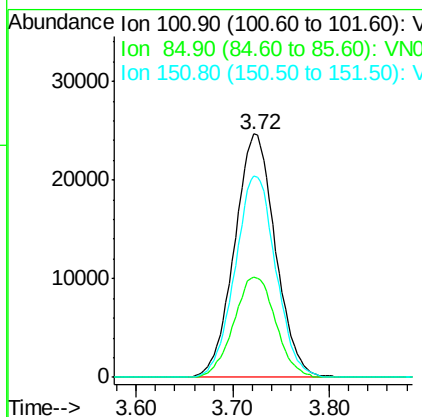
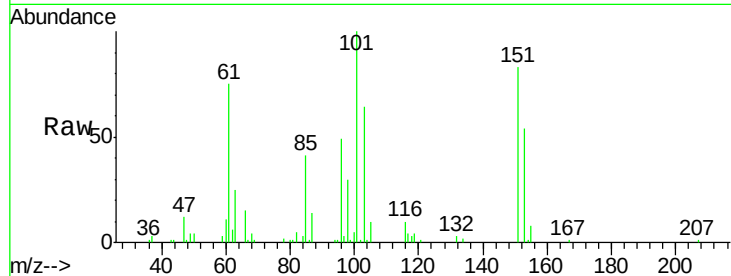
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	72424
Ion Ratio	Lower	Upper	
101	100		
85	42.1	34.0	51.0
151	82.4	65.8	98.8

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#10

Methyl Iodide

Concen: 45.947 ug/l

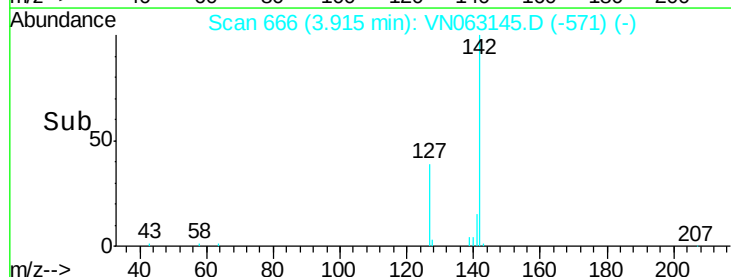
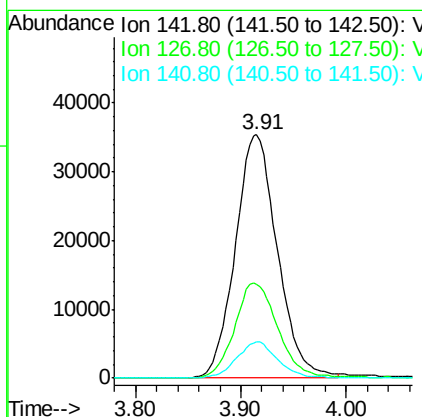
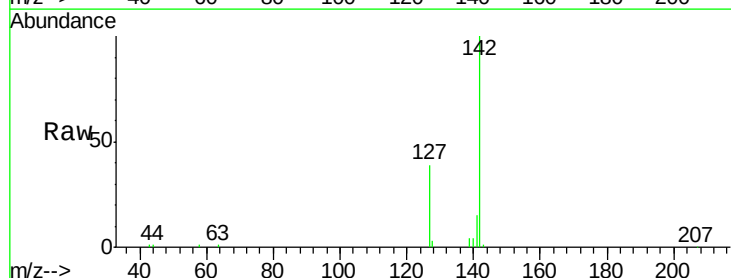
RT: 3.91 min Scan# 666

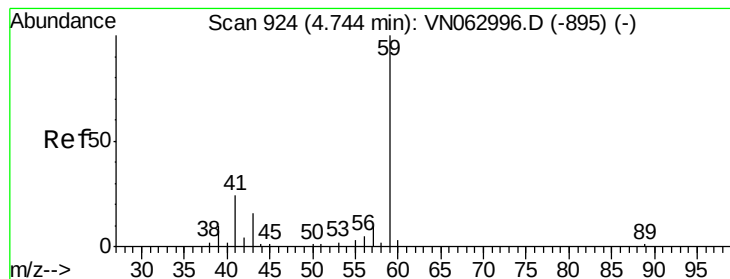
Delta R.T. 0.01 min

Lab File: VN063145.D

Acq: 26 Aug 2020 20:11

Tgt Ion:	142	Resp:	98139
Ion Ratio	Lower	Upper	
142	100		
127	40.1	32.2	48.4
141	14.5	11.3	16.9





#11

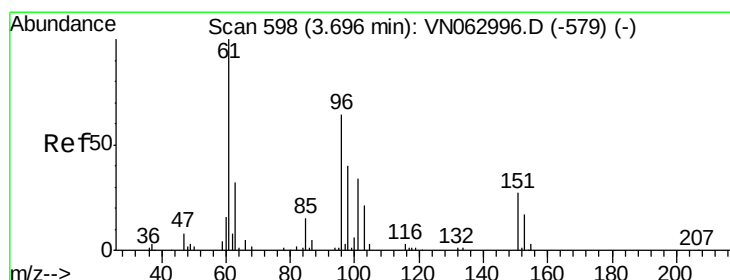
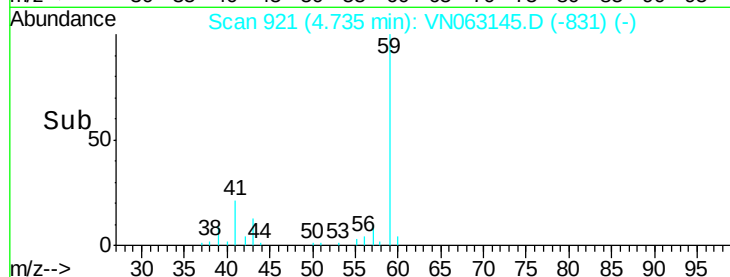
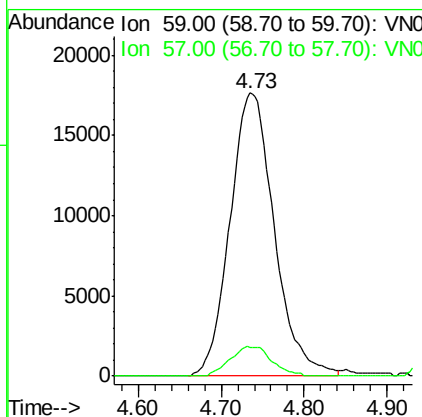
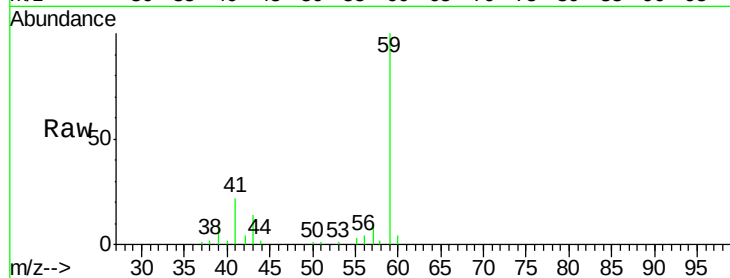
Tert butyl alcohol
 Concen: 206.408 ug/l
 RT: 4.73 min Scan# 921
 Delta R.T. -0.01 min
 Lab File: VN063145.D
 Acq: 26 Aug 2020 20:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.8	7.8	11.6

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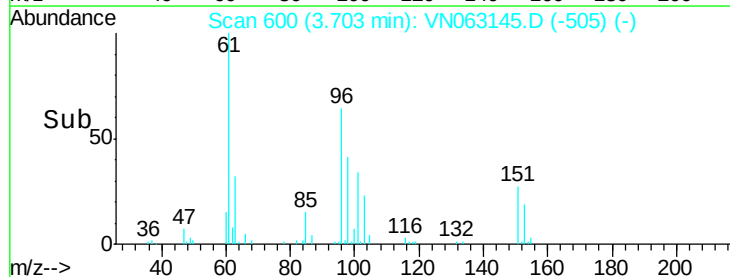
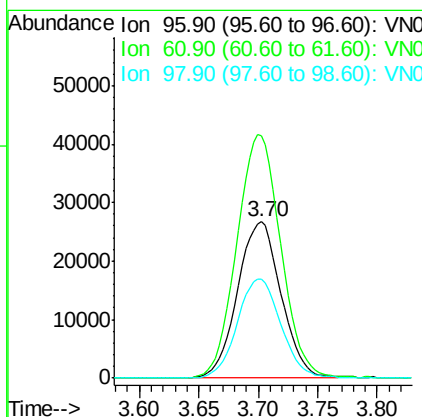
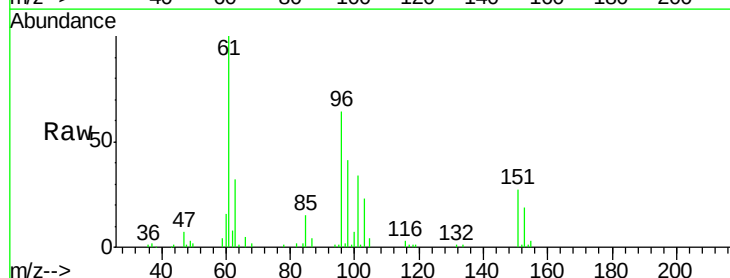
MMDadoda
 8/27/2020 1:28:37 PM

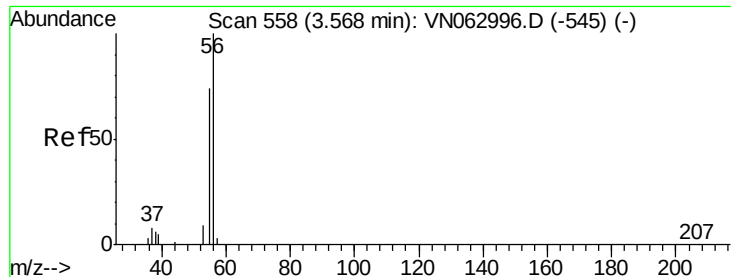


#12

1,1-Dichloroethene
 Concen: 42.230 ug/l
 RT: 3.70 min Scan# 600
 Delta R.T. 0.01 min
 Lab File: VN063145.D
 Acq: 26 Aug 2020 20:11

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.2	125.5	188.3
98	63.2	50.4	75.6





#13

Acrolein

Concen: 20.089 ug/l

RT: 3.57 min Scan# 560

Delta R.T. 0.01 min

Lab File: VN063145.D

Acq: 26 Aug 2020 20:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 1998

Ion Ratio Lower Upper

56 100

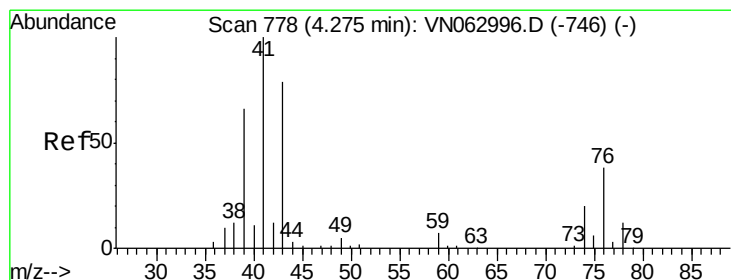
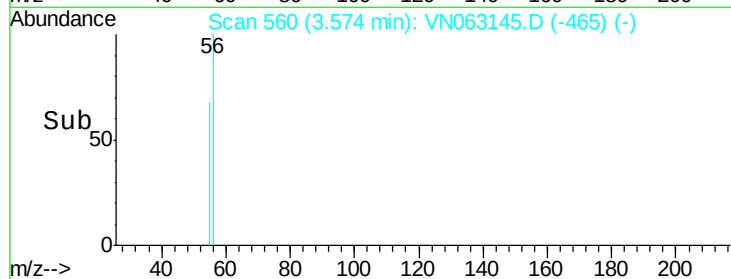
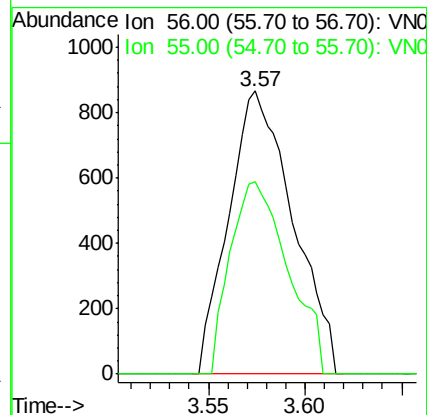
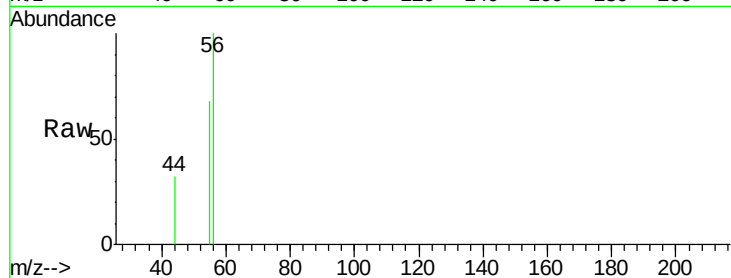
55 61.3 58.4 87.6

Manual Integrations

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#14

Allyl chloride

Concen: 42.218 ug/l

RT: 4.28 min Scan# 779

Delta R.T. 0.00 min

Lab File: VN063145.D

Acq: 26 Aug 2020 20:11

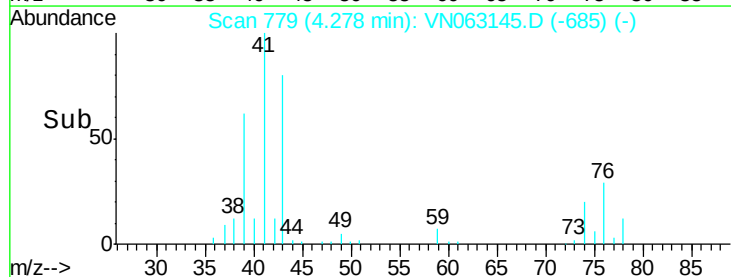
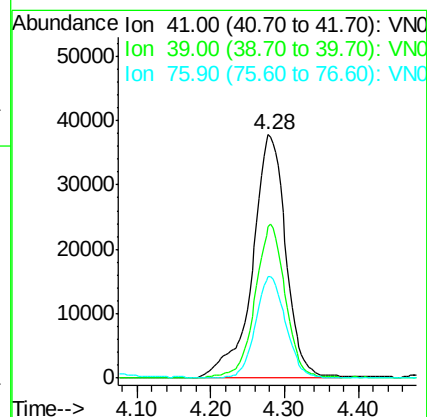
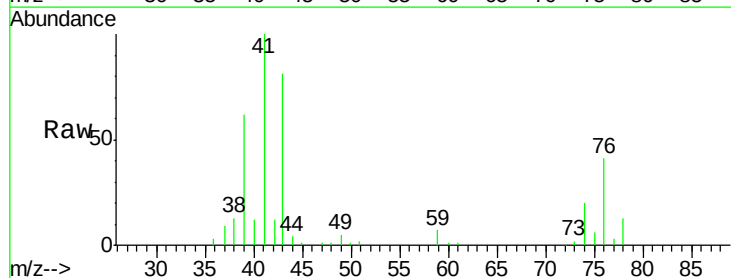
Tgt Ion: 41 Resp: 119492

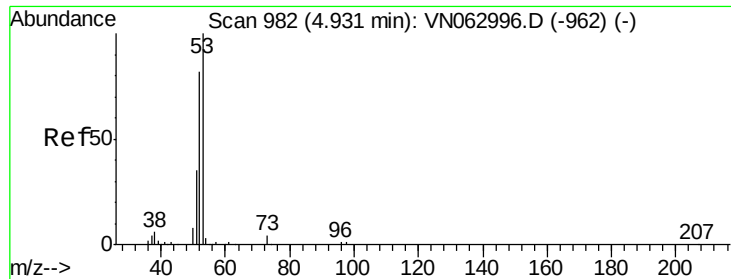
Ion Ratio Lower Upper

41 100

39 57.3 47.9 71.9

76 37.4 27.0 40.6





#15

Acrylonitrile

Concen: 214.732 ug/l

RT: 4.93 min Scan# 983

Delta R.T. 0.00 min

Lab File: VN063145.D

Acq: 26 Aug 2020 20:11

Instrument :

MSVOA_N

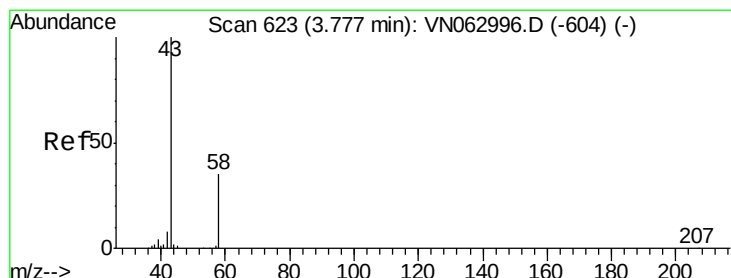
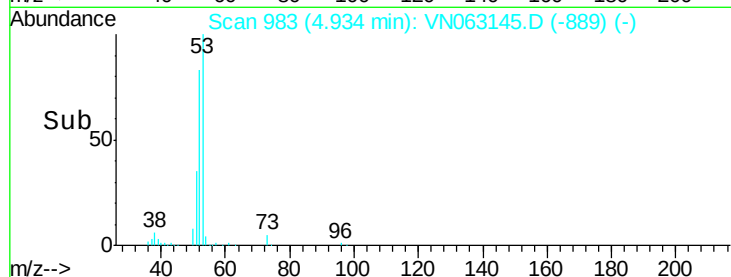
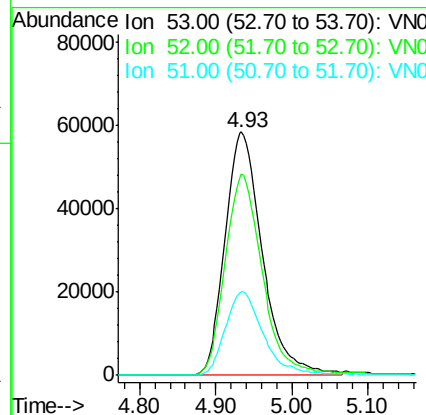
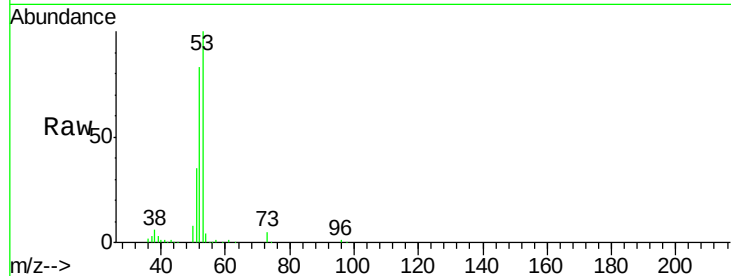
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.0	65.6	98.4
51	35.0	28.2	42.4

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#16

Acetone

Concen: 199.093 ug/l

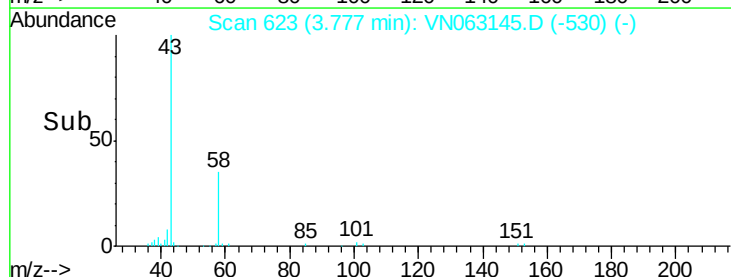
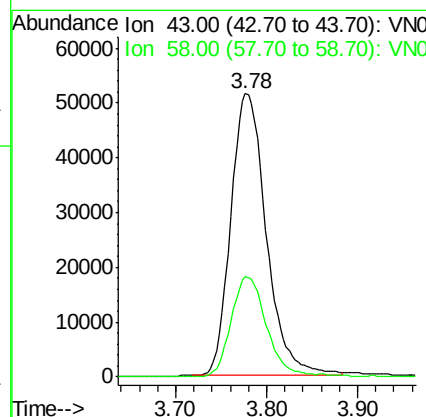
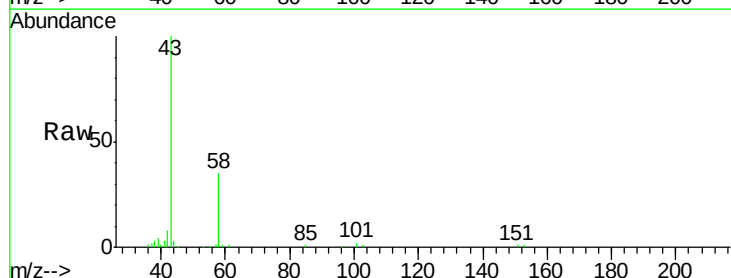
RT: 3.78 min Scan# 623

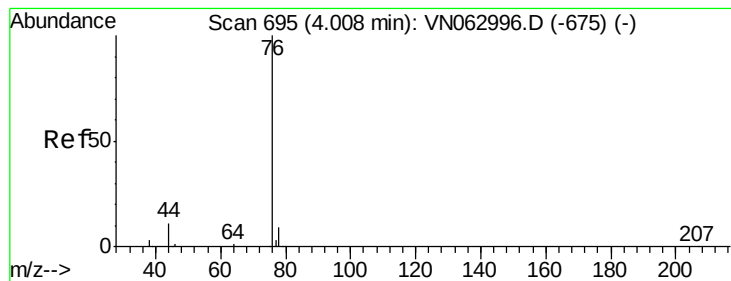
Delta R.T. 0.00 min

Lab File: VN063145.D

Acq: 26 Aug 2020 20:11

Tgt Ion	Ratio	Lower	Upper
43	100		
58	35.5	27.8	41.6





#17

Carbon Disulfide

Concen: 37.347 ug/l

RT: 4.01 min Scan# 697

Delta R.T. 0.01 min

Lab File: VN063145.D

Acq: 26 Aug 2020 20:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 157005

Ion Ratio Lower Upper

76 100

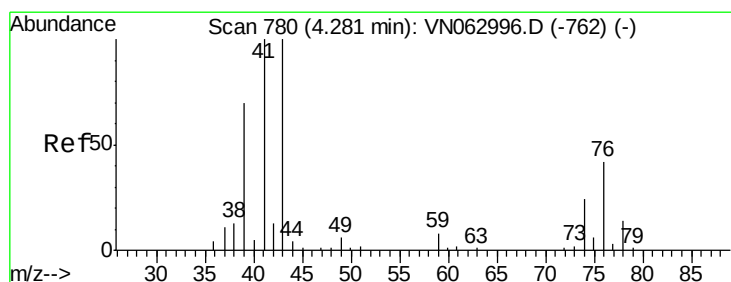
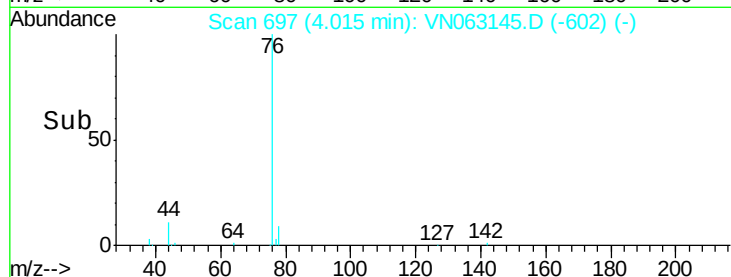
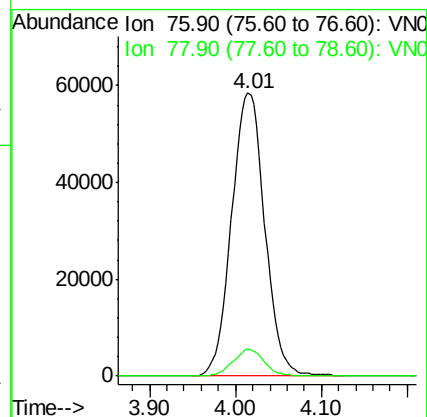
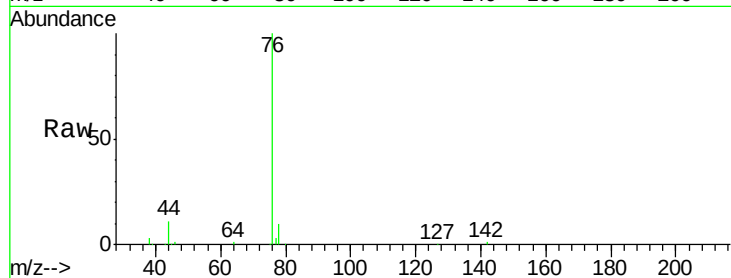
78 9.5 6.9 10.3

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#18

Methyl Acetate

Concen: 41.156 ug/l

RT: 4.28 min Scan# 780

Delta R.T. 0.00 min

Lab File: VN063145.D

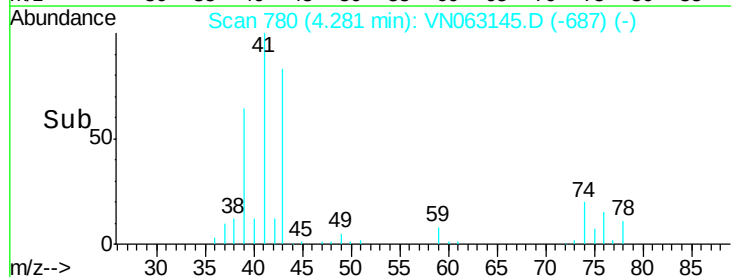
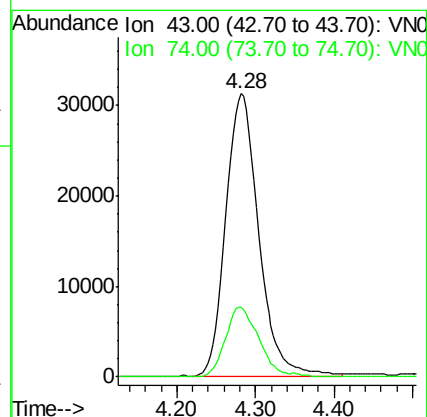
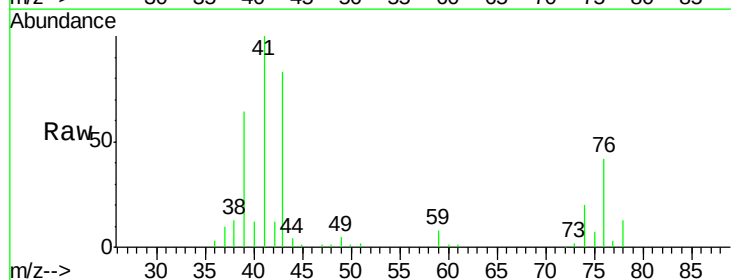
Acq: 26 Aug 2020 20:11

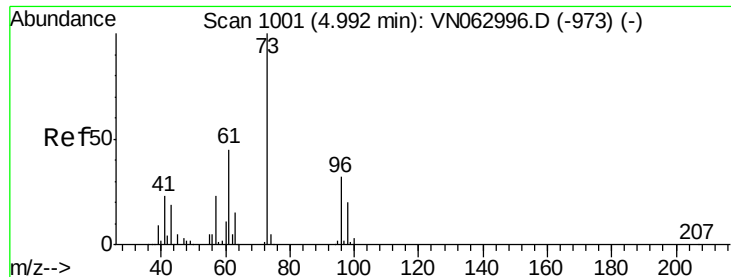
Tgt Ion: 43 Resp: 91669

Ion Ratio Lower Upper

43 100

74 24.3 18.6 28.0





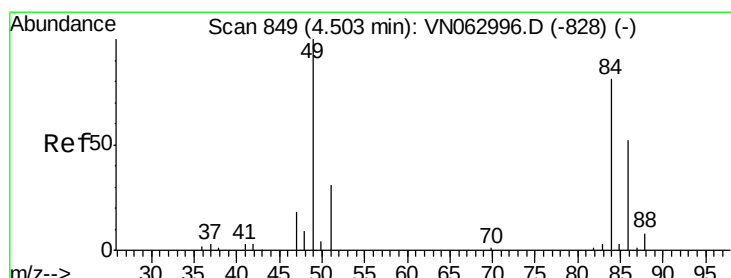
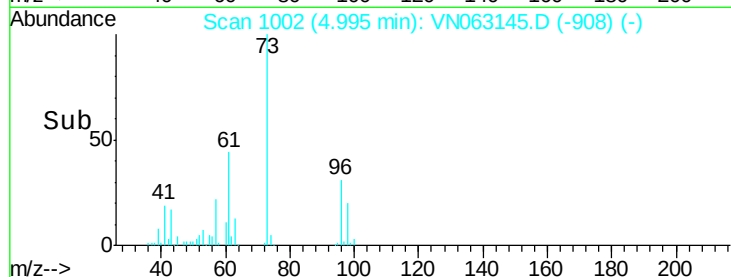
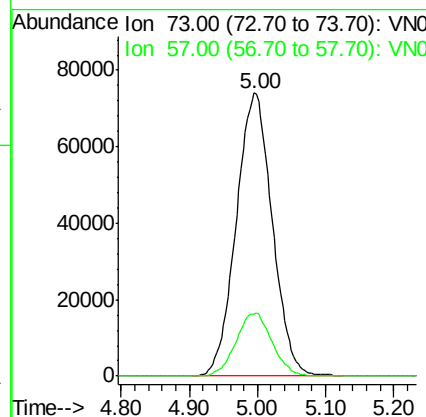
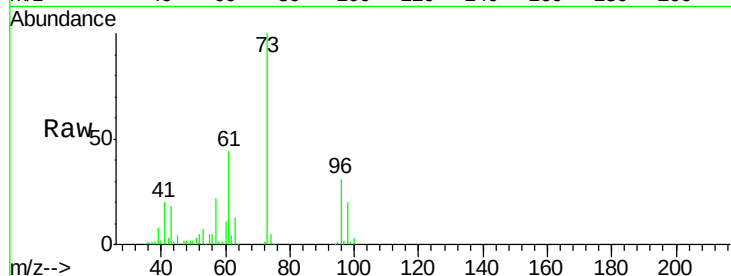
#19
Methyl tert-butyl Ether
Concen: 48.597 ug/l
RT: 5.00 min Scan# 1002
Delta R.T. 0.00 min
Lab File: VN063145.D
Acq: 26 Aug 2020 20:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 272057
Ion Ratio Lower Upper
73 100
57 22.0 18.1 27.1

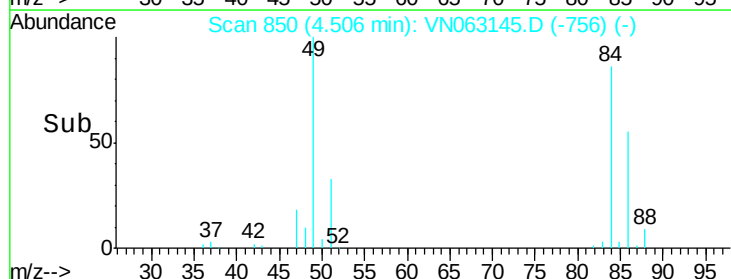
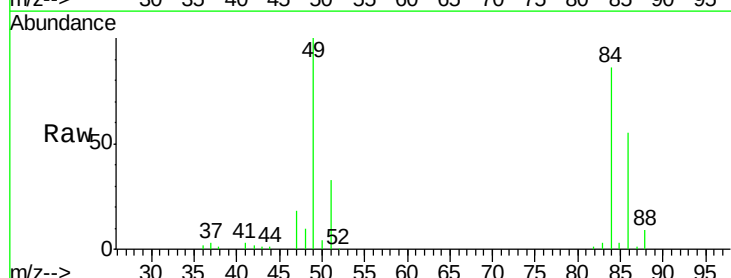
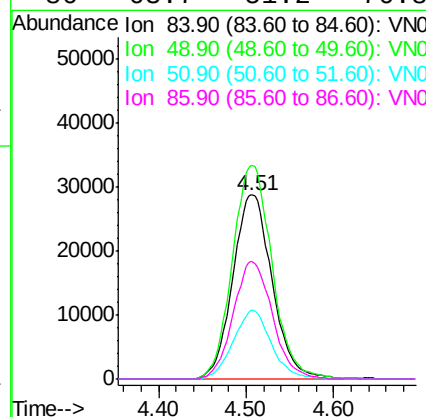
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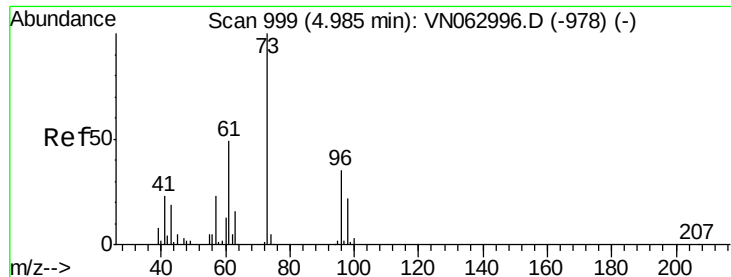
MMDadoda
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#20
Methylene Chloride
Concen: 45.414 ug/l
RT: 4.51 min Scan# 850
Delta R.T. 0.00 min
Lab File: VN063145.D
Acq: 26 Aug 2020 20:11

Tgt Ion: 84 Resp: 89983
Ion Ratio Lower Upper
84 100
49 116.1 98.7 148.1
51 37.7 30.8 46.2
86 63.7 51.2 76.8





#21

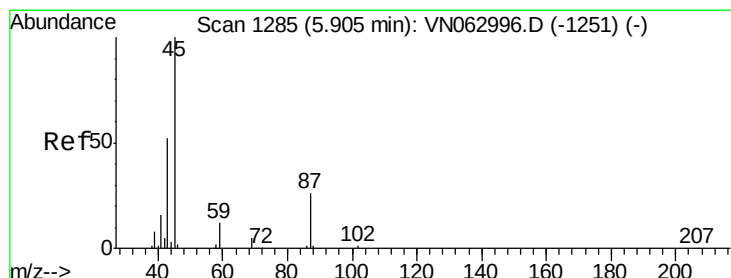
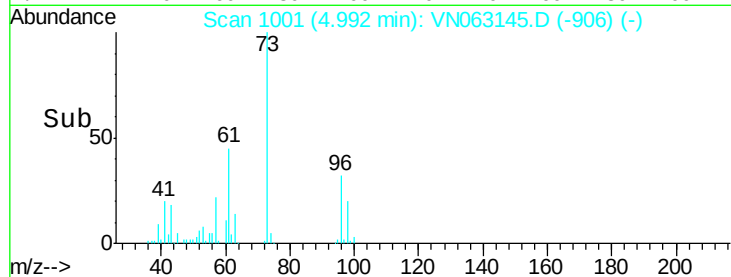
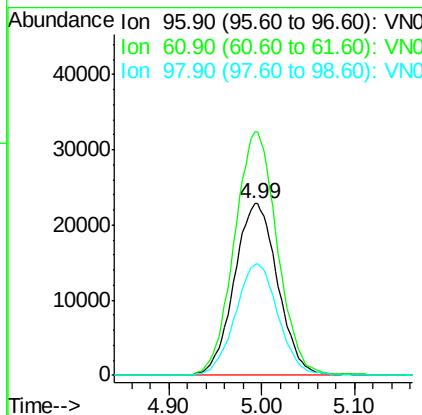
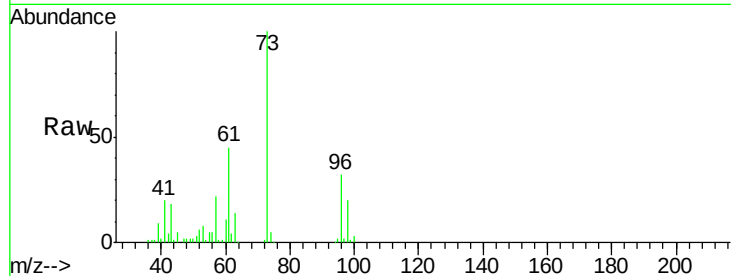
trans-1,2-Dichloroethene
Concen: 44.144 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. 0.01 min
Lab File: VN063145.D
Acq: 26 Aug 2020 20:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.8	112.5	168.7
98	64.5	49.4	74.0

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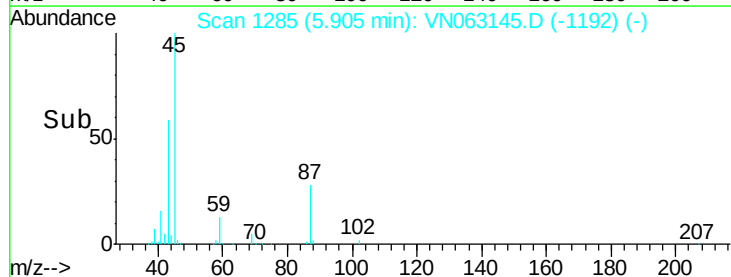
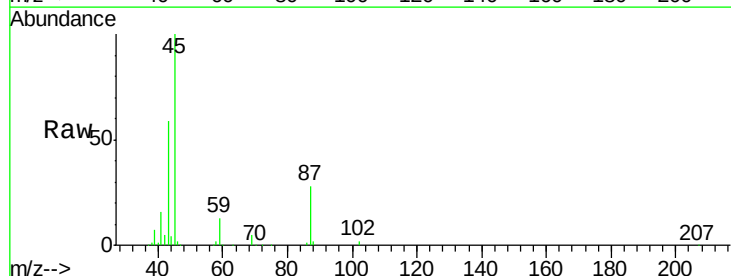
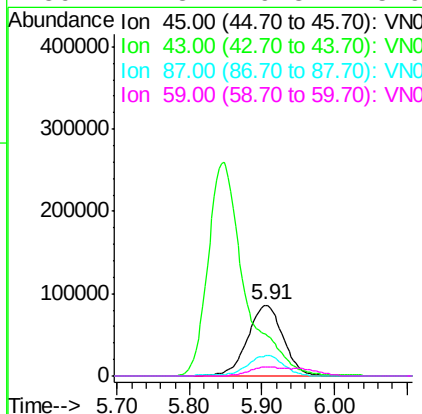
MMDadoda
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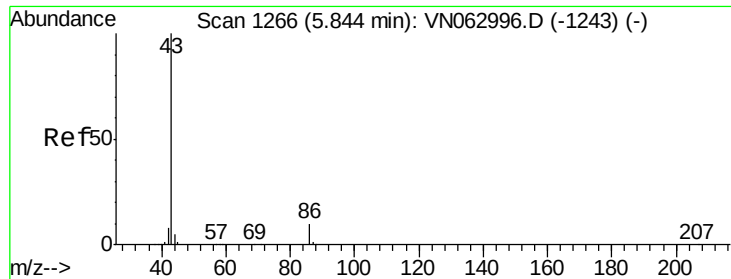


#22

Diisopropyl ether
Concen: 45.668 ug/l
RT: 5.91 min Scan# 1285
Delta R.T. 0.00 min
Lab File: VN063145.D
Acq: 26 Aug 2020 20:11

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.3	45.7	68.5
87	28.4	21.8	32.6
59	12.3	9.3	13.9





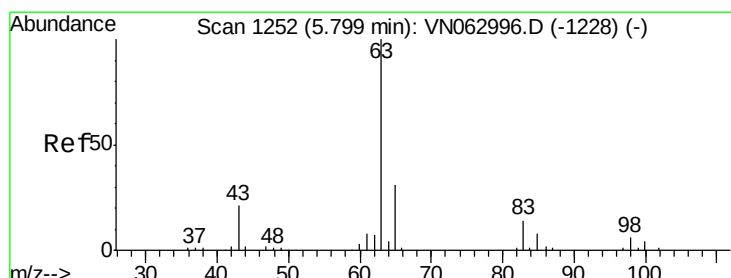
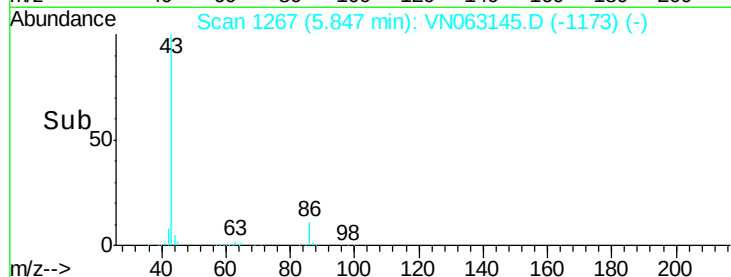
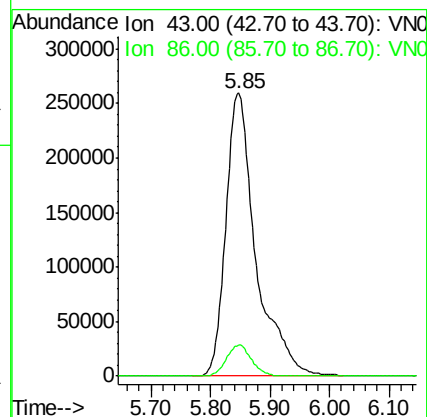
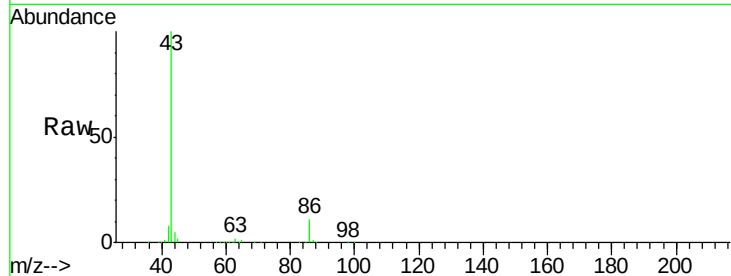
#23
 Vinyl Acetate
 Concen: 210.086 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VN063145.D
 Acq: 26 Aug 2020 20:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 910548
 Ion Ratio Lower Upper
 43 100
 86 11.1 8.0 12.0

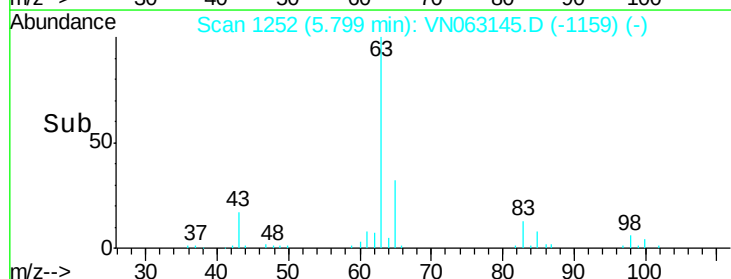
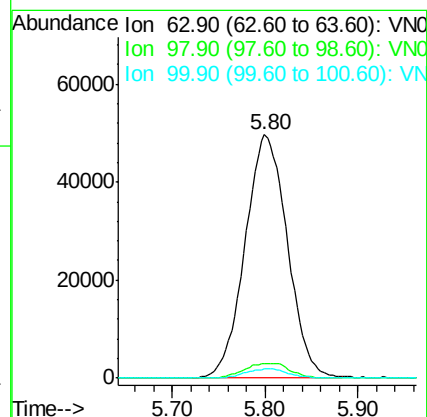
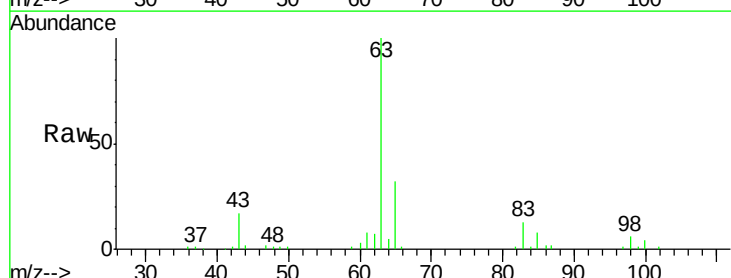
Manual Integrations
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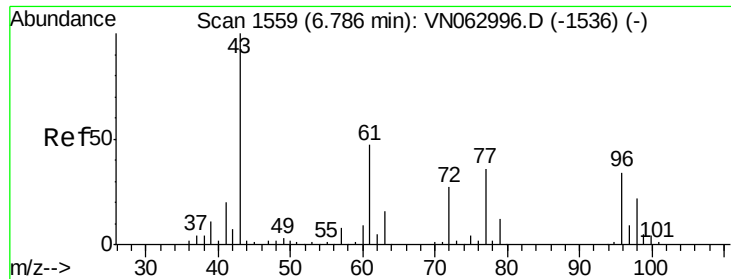
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 43.906 ug/l
 RT: 5.80 min Scan# 1252
 Delta R.T. 0.00 min
 Lab File: VN063145.D
 Acq: 26 Aug 2020 20:11

Tgt Ion: 63 Resp: 157585
 Ion Ratio Lower Upper
 63 100
 98 5.9 2.9 8.7
 100 3.7 2.0 5.8





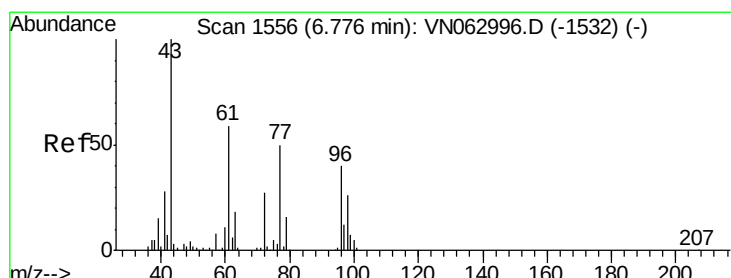
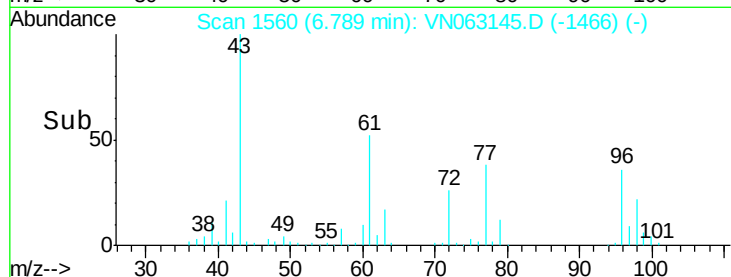
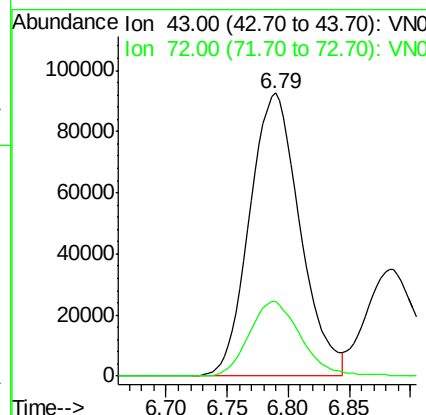
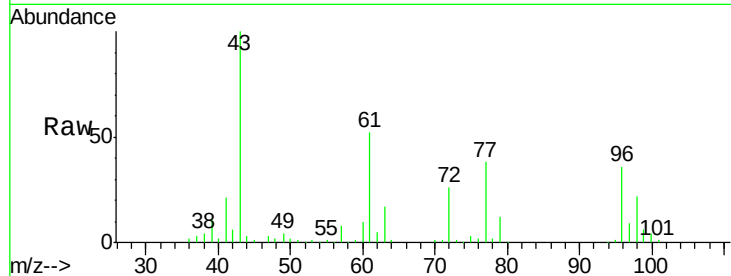
#25
2-Butanone
Concen: 223.204 ug/l
RT: 6.79 min Scan# 1560
Delta R.T. 0.00 min
Lab File: VN063145.D
Acq: 26 Aug 2020 20:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 265595
Ion Ratio Lower Upper
43 100
72 26.3 21.8 32.6

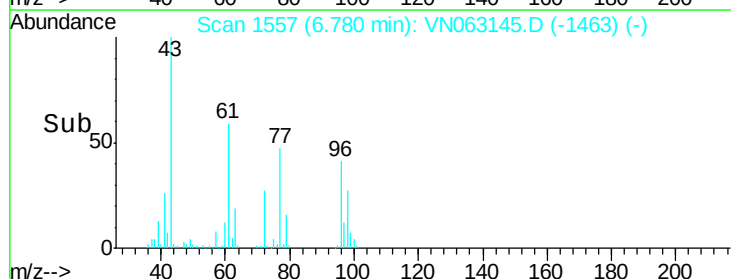
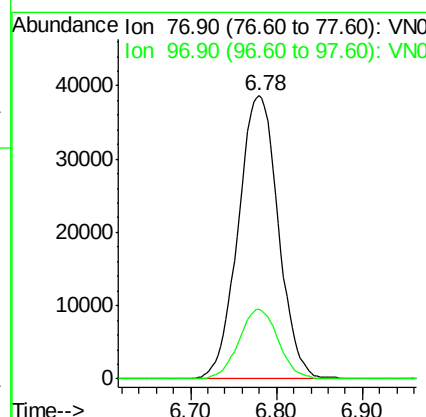
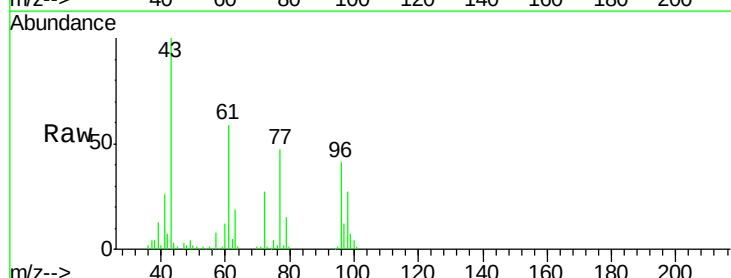
Manual Integrations
APPROVED

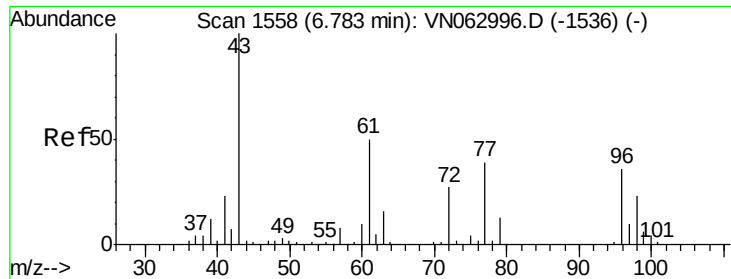
MMDadoda
8/27/2020 1:28:37 PM



#26
2,2-Dichloropropane
Concen: 44.318 ug/l
RT: 6.78 min Scan# 1557
Delta R.T. 0.00 min
Lab File: VN063145.D
Acq: 26 Aug 2020 20:11

Tgt Ion: 77 Resp: 125092
Ion Ratio Lower Upper
77 100
97 24.1 11.7 35.1





#27

cis-1,2-Dichloroethene

Concen: 48.332 ug/l

RT: 6.78 min Scan# 1558

Delta R.T. 0.00 min

Lab File: VN063145.D

Acq: 26 Aug 2020 20:11

Instrument :

MSVOA_N

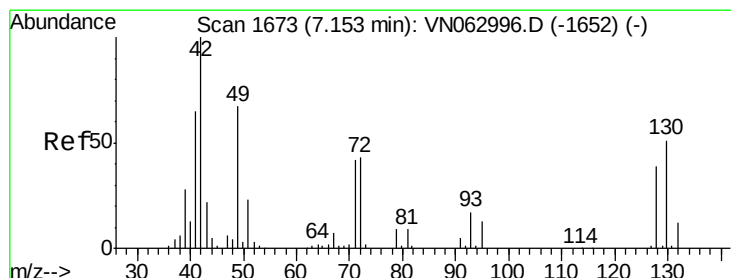
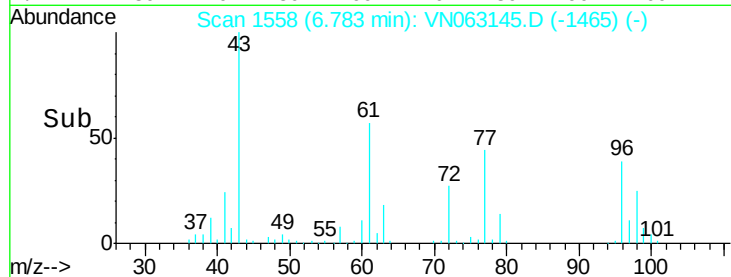
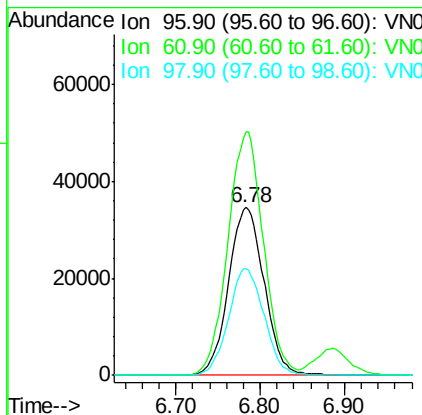
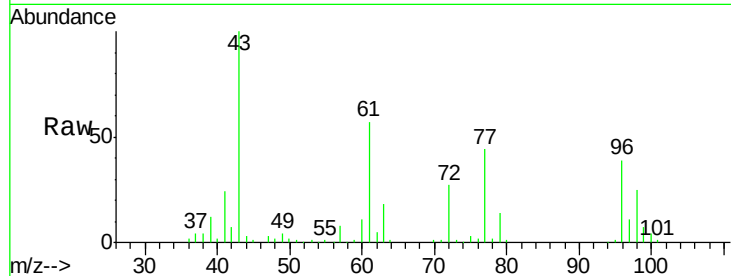
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	101768
Ion	Ratio	Lower	Upper
96	100		
61	144.5	0.0	292.8
98	63.3	0.0	130.6

Manual Integrations
APPROVED

MMDadoda
8/27/2020 1:28:37 PM



#28

Bromochloromethane

Concen: 48.738 ug/l

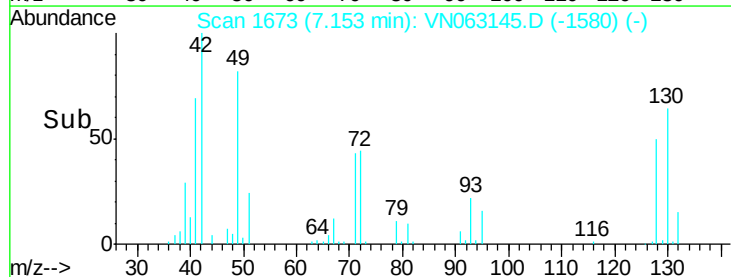
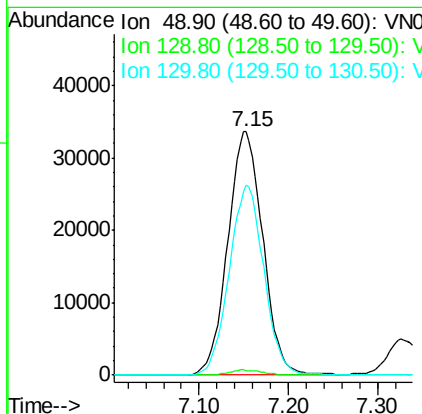
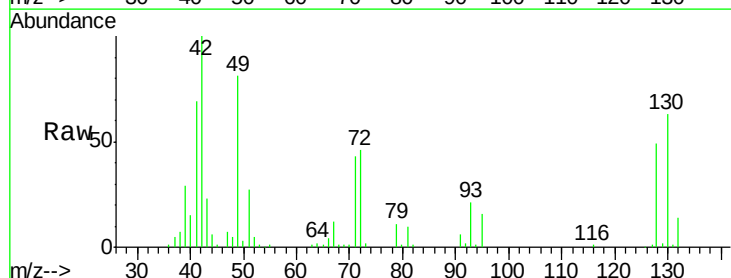
RT: 7.15 min Scan# 1673

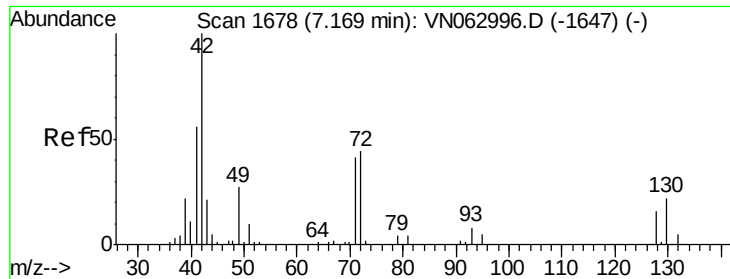
Delta R.T. 0.00 min

Lab File: VN063145.D

Acq: 26 Aug 2020 20:11

Tgt Ion:	49	Resp:	91526
Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.6
130	77.3	61.1	91.7





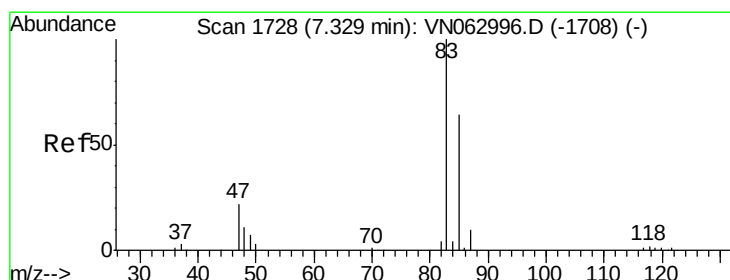
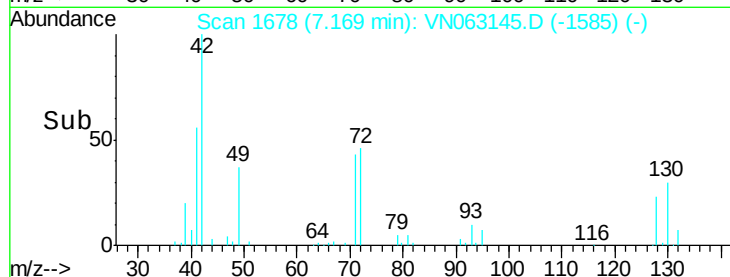
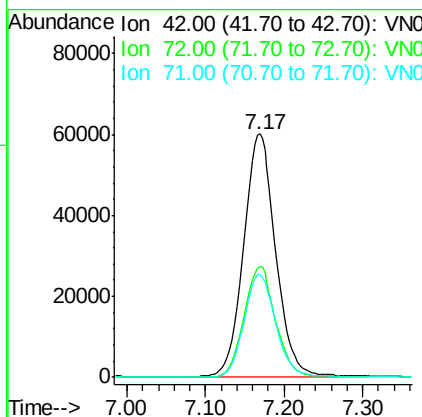
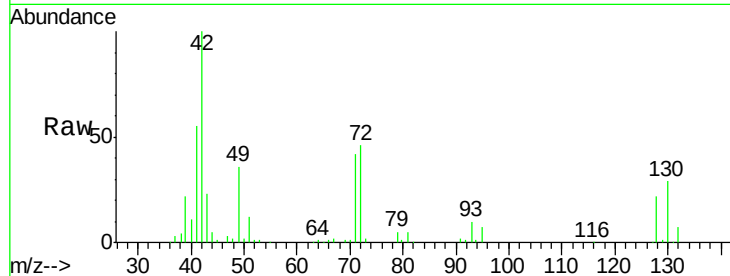
#29
Tetrahydrofuran
Concen: 226.212 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.00 min
Lab File: VN063145.D
Acq: 26 Aug 2020 20:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.8	34.6	52.0
71	41.7	32.3	48.5

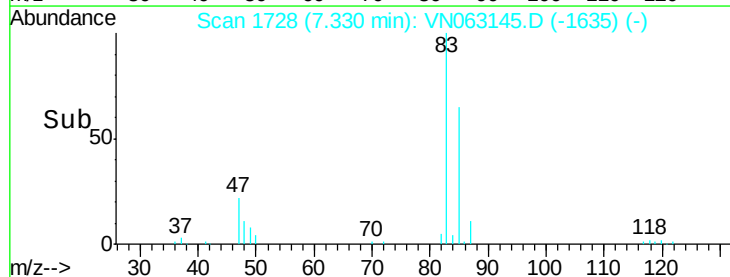
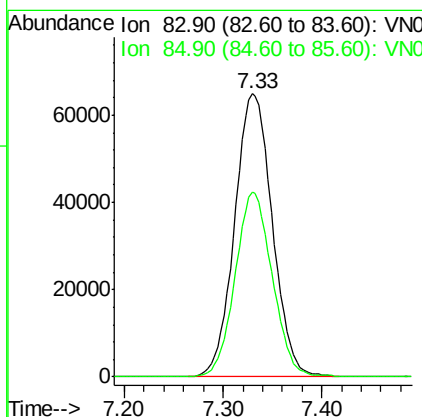
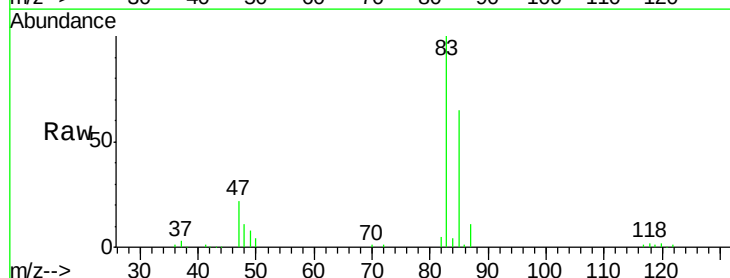
Manual Integrations
APPROVED

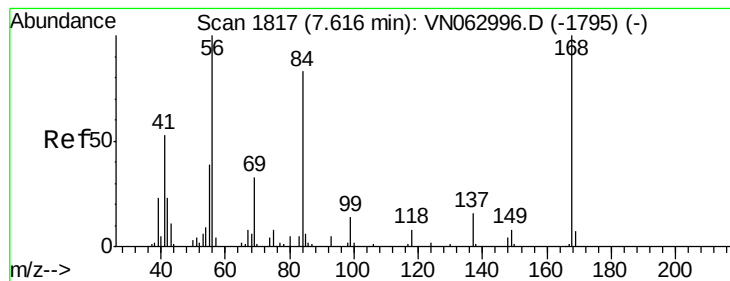
MMDadoda
8/27/2020 1:28:37 PM



#30
Chloroform
Concen: 47.572 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. 0.00 min
Lab File: VN063145.D
Acq: 26 Aug 2020 20:11

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	51.5	77.3





#31

Cyclohexane

Concen: 43.750 ug/l

RT: 7.62 min Scan# 1817

Delta R.T. 0.00 min

Lab File: VN063145.D

Acq: 26 Aug 2020 20:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 144523

Ion Ratio Lower Upper

56 100

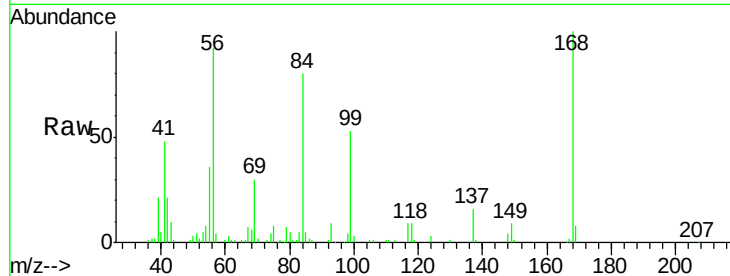
69 32.9 26.6 40.0

84 85.9 66.4 99.6

Manual Integrations
APPROVED

MMDadoda

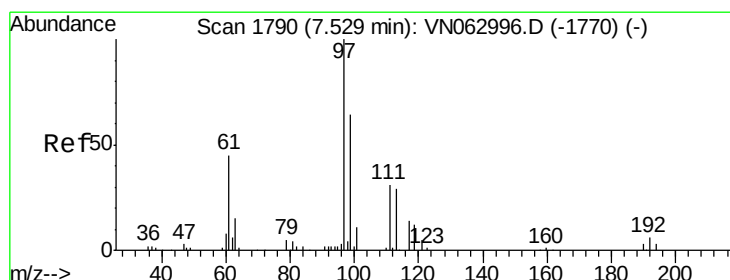
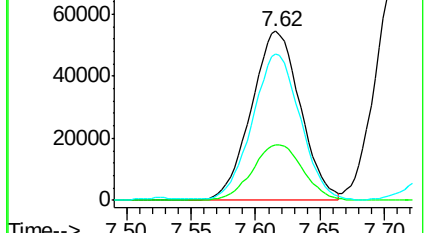
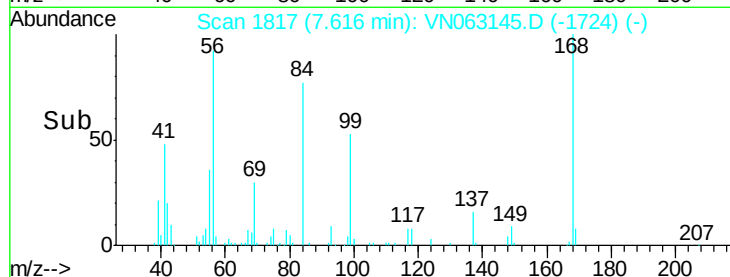
8/27/2020 1:28:37 PM



Abundance Ion 56.00 (55.70 to 56.70): VN063145.D (-1724) (-)

Ion 69.00 (68.70 to 69.70): VN063145.D (-1724) (-)

Ion 84.00 (83.70 to 84.70): VN063145.D (-1724) (-)



#32

1,1,1-Trichloroethane

Concen: 47.655 ug/l

RT: 7.53 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VN063145.D

Acq: 26 Aug 2020 20:11

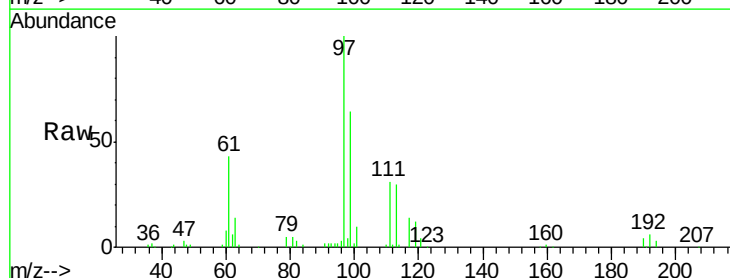
Tgt Ion: 97 Resp: 140629

Ion Ratio Lower Upper

97 100

99 64.4 52.0 78.0

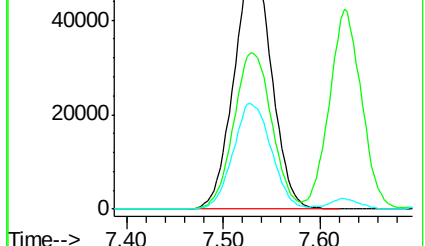
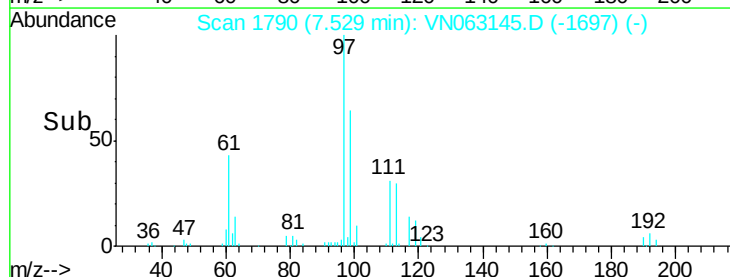
61 43.7 36.2 54.4

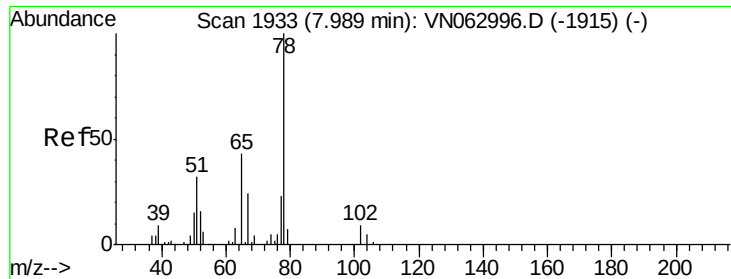


Abundance Ion 96.90 (96.60 to 97.60): VN063145.D (-1697) (-)

Ion 98.90 (98.60 to 99.60): VN063145.D (-1697) (-)

Ion 60.90 (60.60 to 61.60): VN063145.D (-1697) (-)





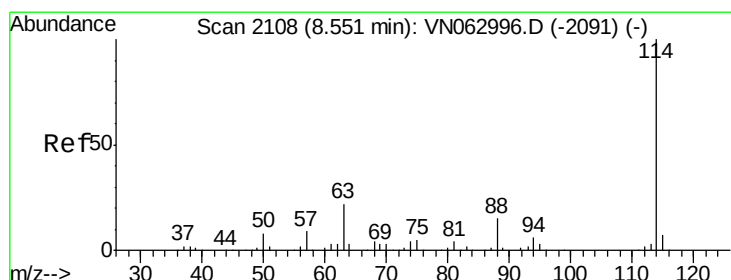
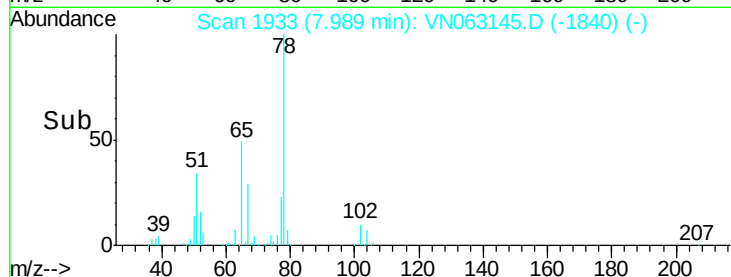
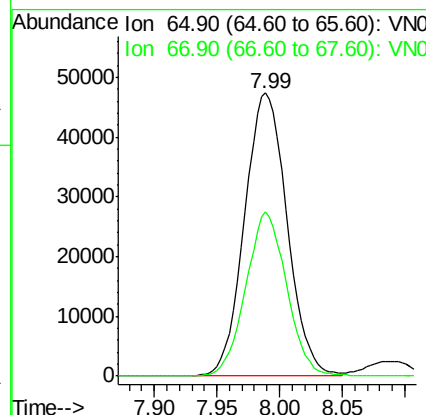
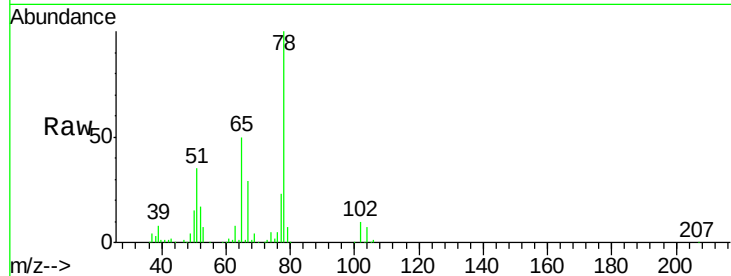
#33
 1,2-Dichloroethane-d4
 Concen: 49.939 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN063145.D
 Acq: 26 Aug 2020 20:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	55.6	0.0	112.0	

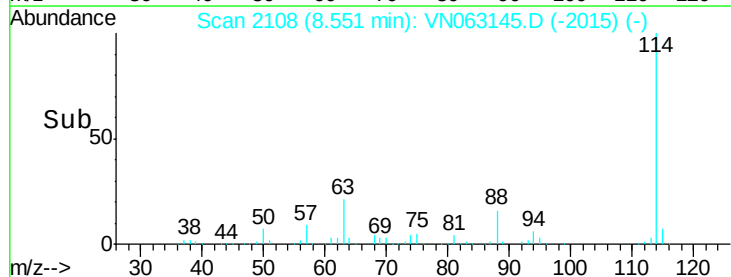
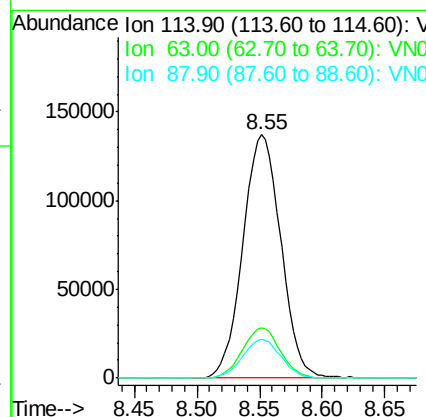
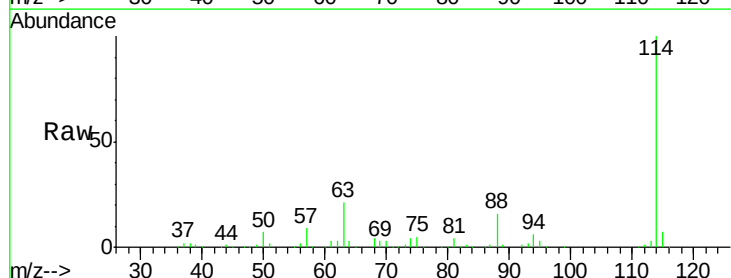
Manual Integrations
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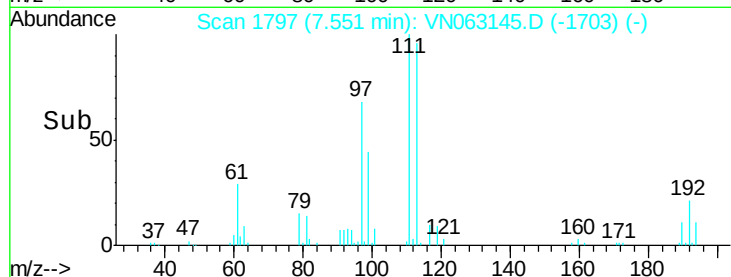
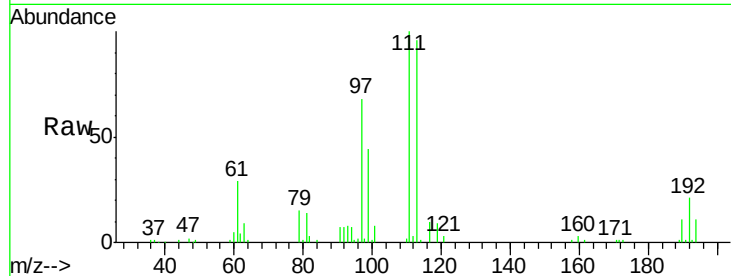
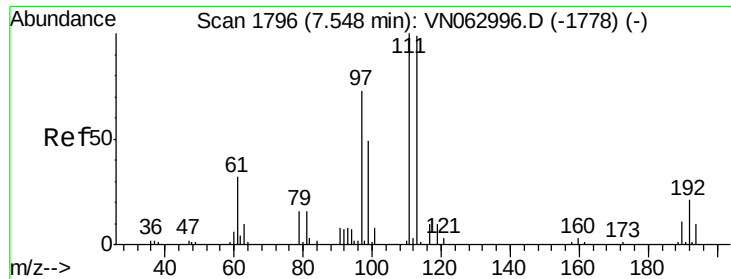
MMDadoda
 8/27/2020 1:28:37 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN063145.D
 Acq: 26 Aug 2020 20:11

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	20.6	0.0	43.2	
88	15.9	0.0	30.6	





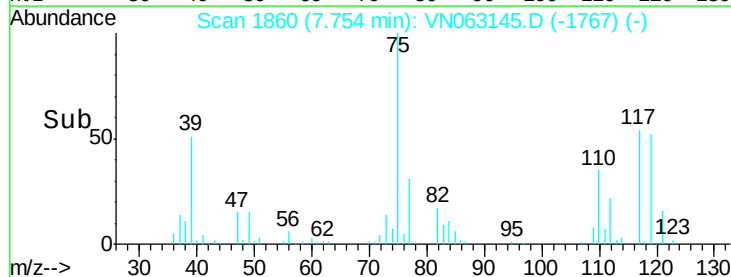
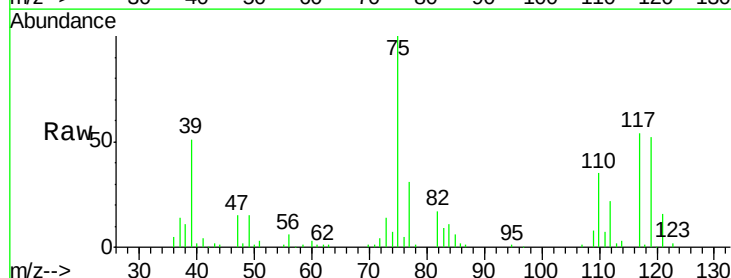
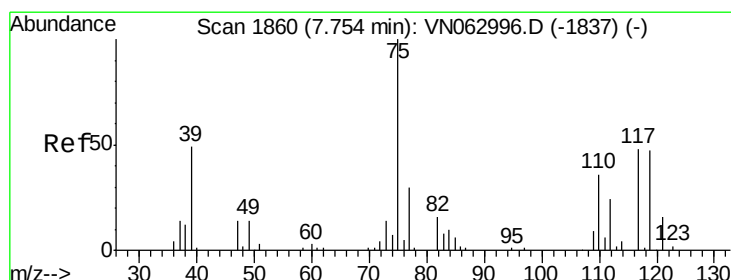
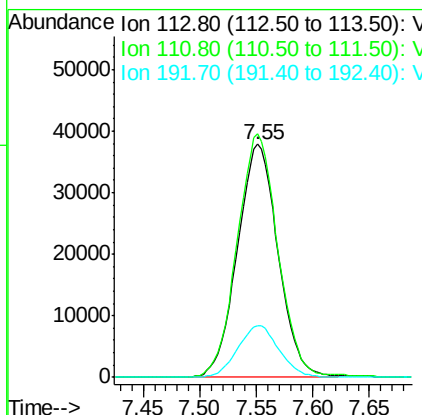
#35
Dibromofluoromethane
Concen: 50.344 ug/l
RT: 7.55 min Scan# 1797
Delta R.T. 0.00 min
Lab File: VN063145.D
Acq: 26 Aug 2020 20:11

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.0	81.7	122.5
192	22.4	17.5	26.3

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

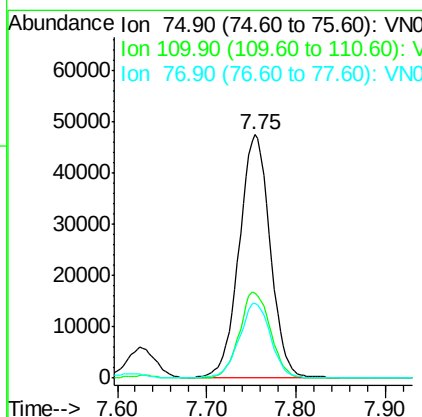
Manual Integrations
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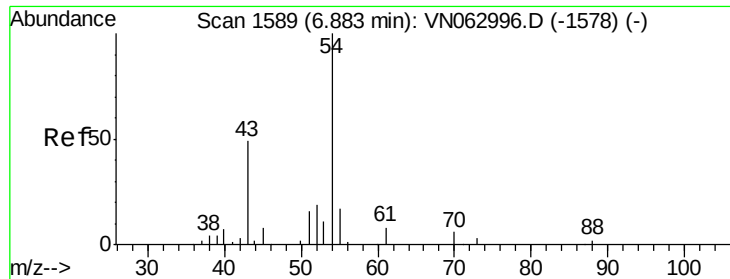
MMDadoda
8/27/2020 1:28:37 PM



#36
1,1-Dichloropropene
Concen: 45.308 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN063145.D
Acq: 26 Aug 2020 20:11

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.2	17.5	52.6
77	31.1	24.2	36.4





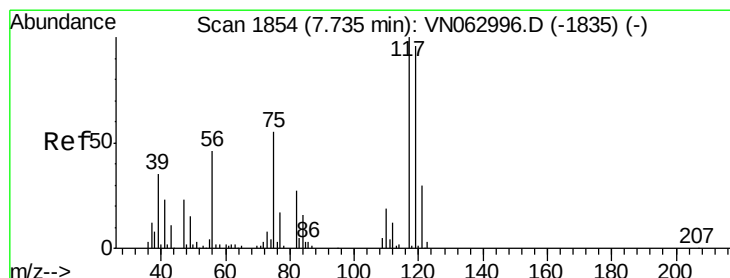
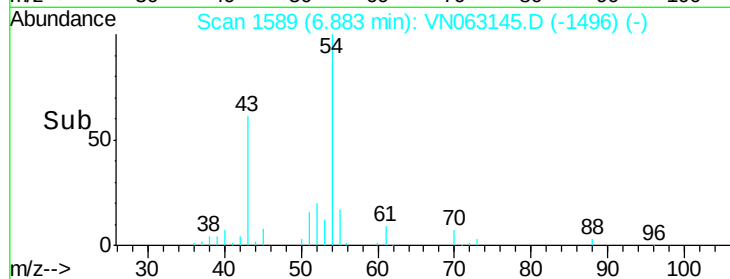
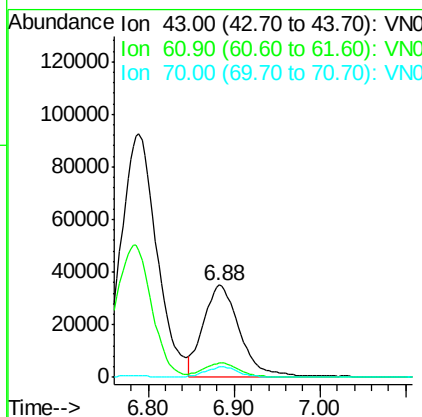
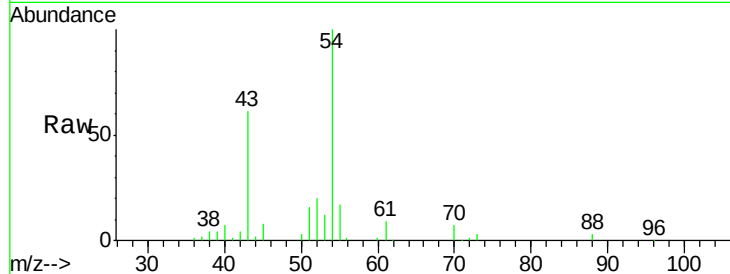
#37
Ethyl Acetate
Concen: 42.682 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. 0.00 min
Lab File: VN063145.D
Acq: 26 Aug 2020 20:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	61	70
Resp	101797	15.5	10.3
Lower		11.8	8.2
Upper		17.8	12.2

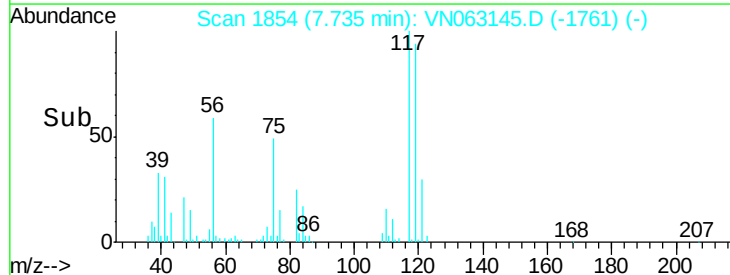
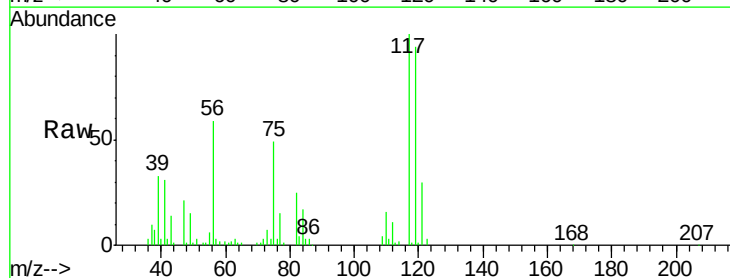
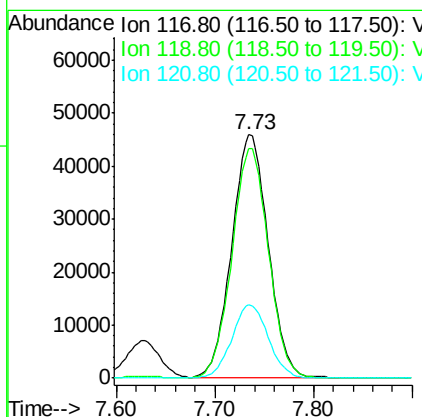
Manual Integrations
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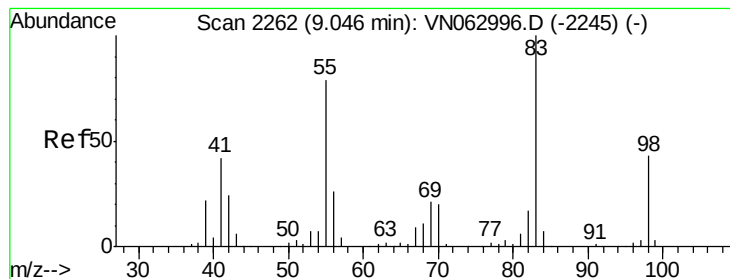
MMDadoda
8/27/2020 1:28:37 PM



#38
Carbon Tetrachloride
Concen: 46.021 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VN063145.D
Acq: 26 Aug 2020 20:11

Tgt Ion	117	119	121
Resp	118261	94.3	30.1
Lower		76.2	24.2
Upper		114.4	36.2





#39

Methylvlcyclohexane

Concen: 36.566 ug/l

RT: 9.05 min Scan# 2263

Delta R.T. 0.00 min

Lab File: VN063145.D

Acq: 26 Aug 2020 20:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 124166

Ion Ratio Lower Upper

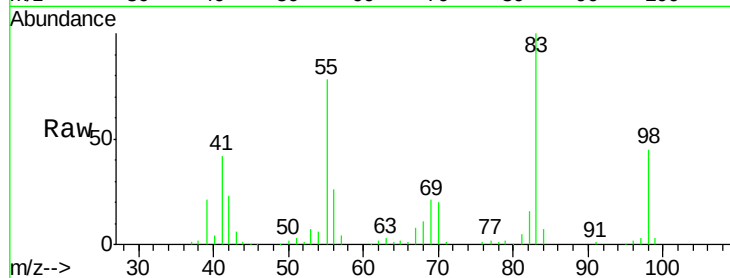
83 100

55 77.8 63.3 94.9

98 44.6 34.2 51.4

Manual Integrations
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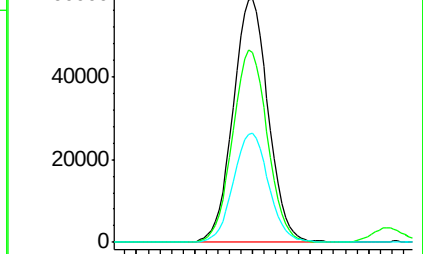
MMDadoda
8/27/2020 1:28:37 PM



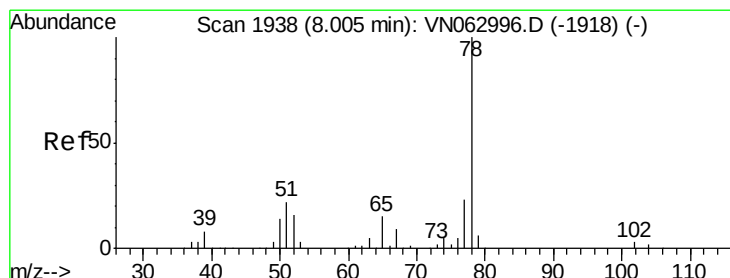
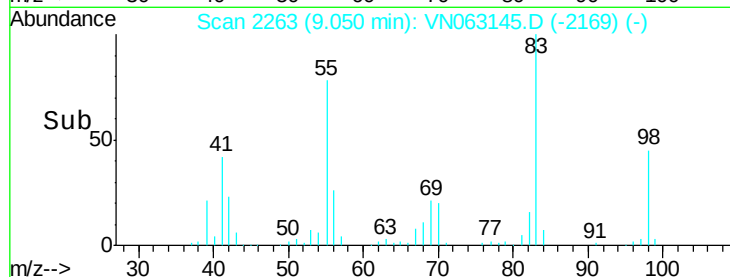
Abundance Ion 83.00 (82.70 to 83.70): VN062996.D (-2245) (-)

Ion 55.00 (54.70 to 55.70): VN062996.D (-2245) (-)

Ion 98.00 (97.70 to 98.70): VN062996.D (-2245) (-)



Time-->



#40

Benzene

Concen: 46.328 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. 0.00 min

Lab File: VN063145.D

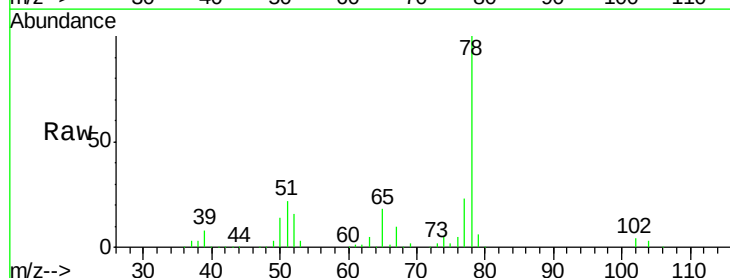
Acq: 26 Aug 2020 20:11

Tgt Ion: 78 Resp: 374002

Ion Ratio Lower Upper

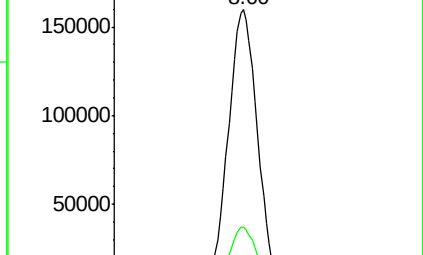
78 100

77 23.1 18.8 28.2

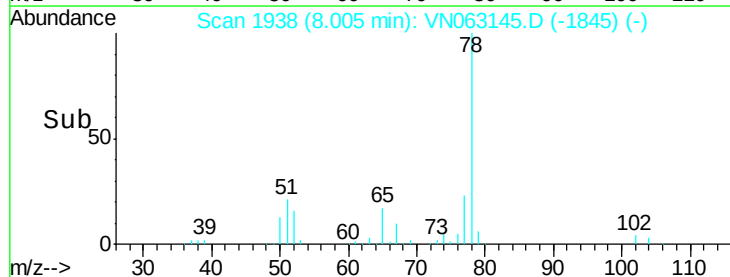


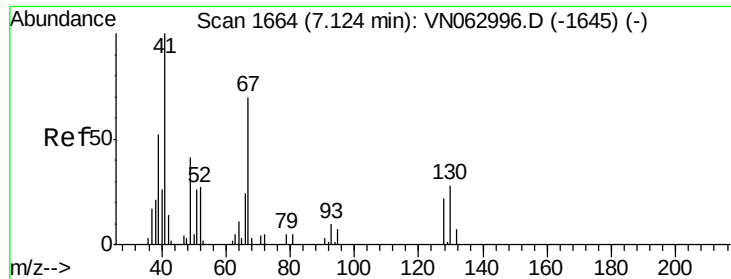
Abundance Ion 78.00 (77.70 to 78.70): VN062996.D (-1918) (-)

Ion 77.00 (76.70 to 77.70): VN062996.D (-1918) (-)



Time-->





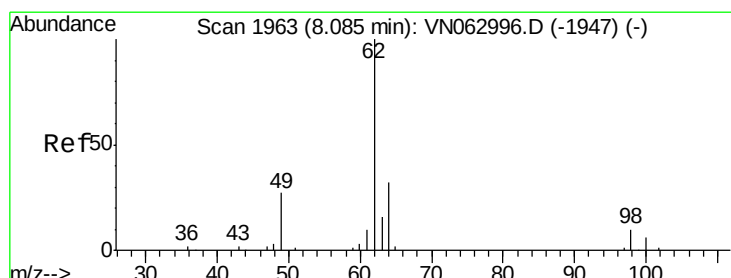
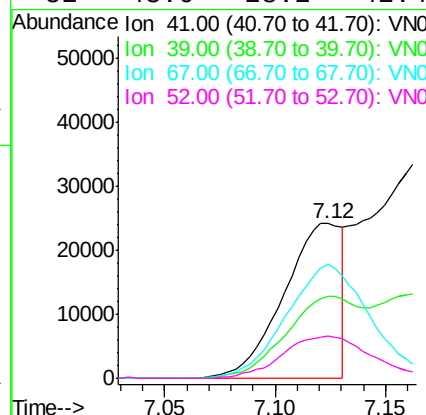
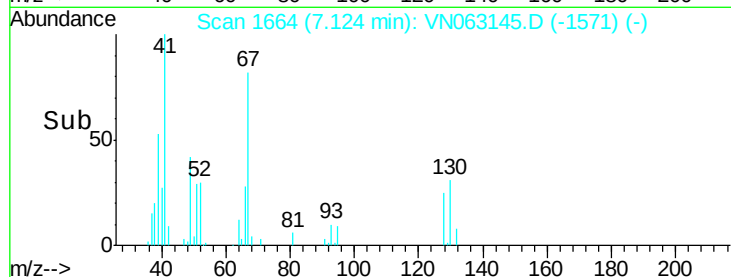
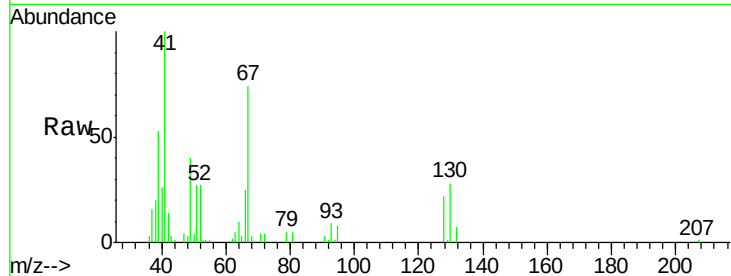
#41
Methacrylonitrile
Concen: 38.813 ug/l
RT: 7.12 min Scan# 1664
Delta R.T. 0.00 min
Lab File: VN063145.D
Acq: 26 Aug 2020 20:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	66.1	41.6	62.4#
67	107.2	71.8	107.8
52	43.0	28.2	42.4#

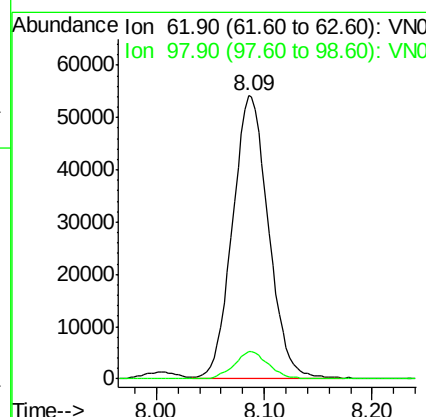
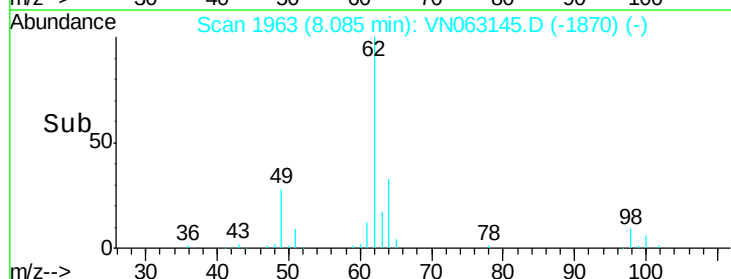
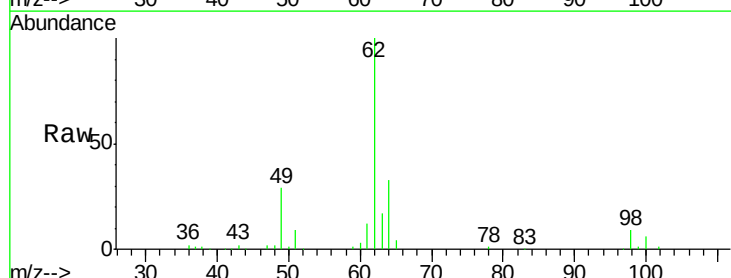
Manual Integrations
APPROVED

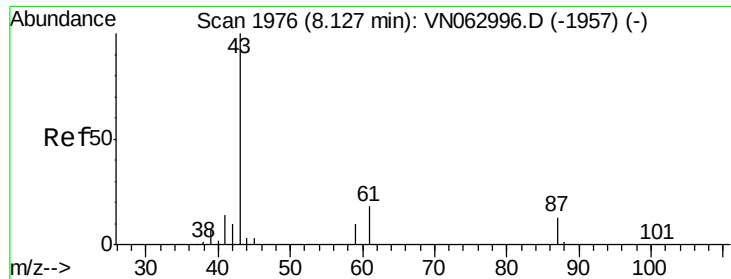
MMDadoda
8/27/2020 1:28:37 PM



#42
1,2-Dichloroethane
Concen: 46.082 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VN063145.D
Acq: 26 Aug 2020 20:11

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.4





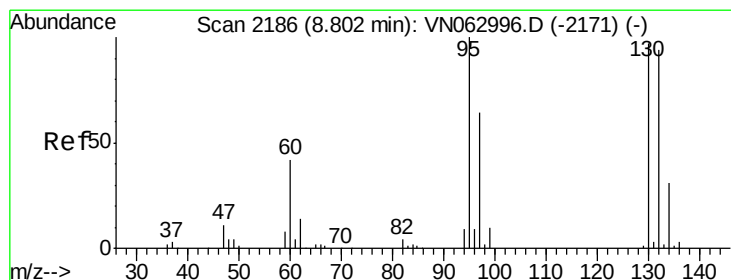
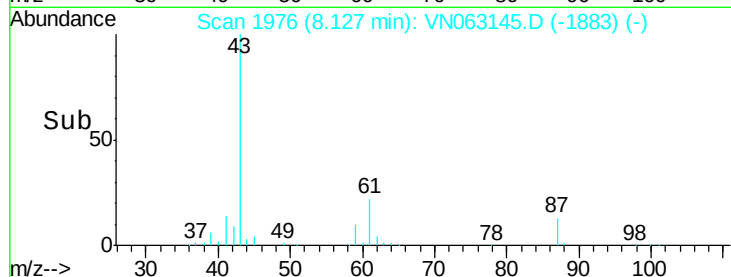
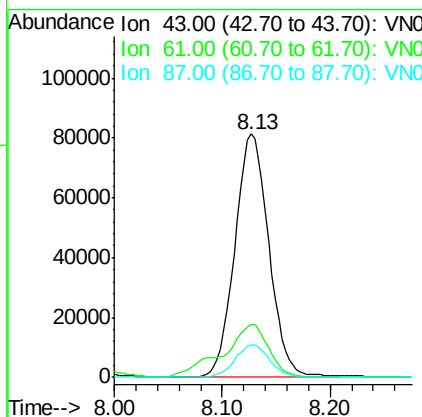
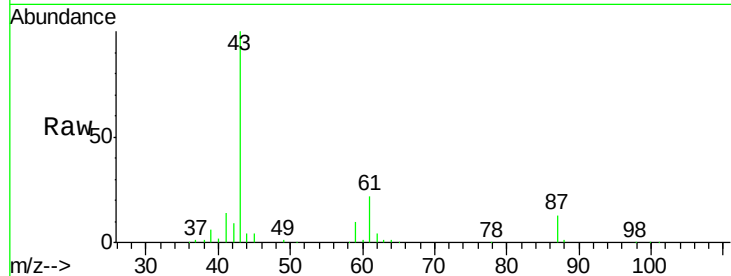
#43
Isopropyl Acetate
Concen: 44.956 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN063145.D
Acq: 26 Aug 2020 20:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.6	22.6	33.8
87	13.7	10.5	15.7

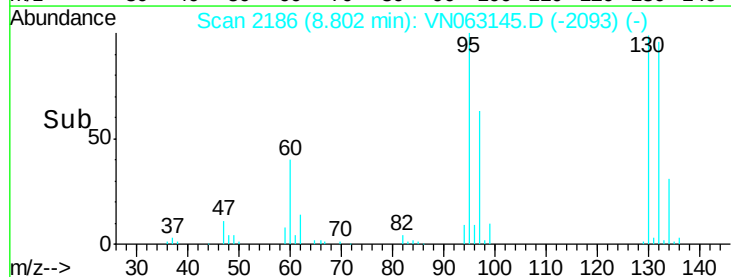
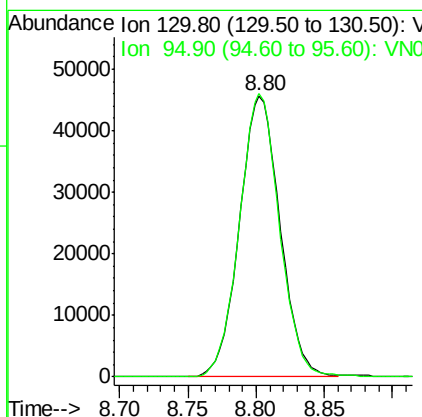
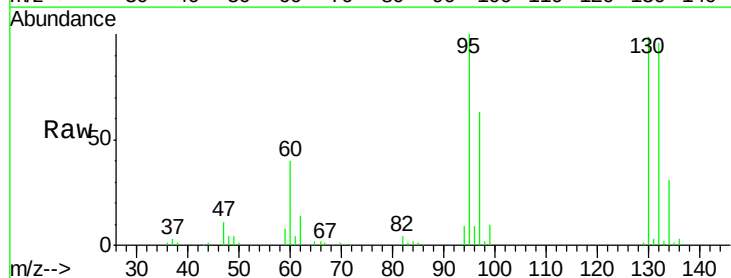
Manual Integrations
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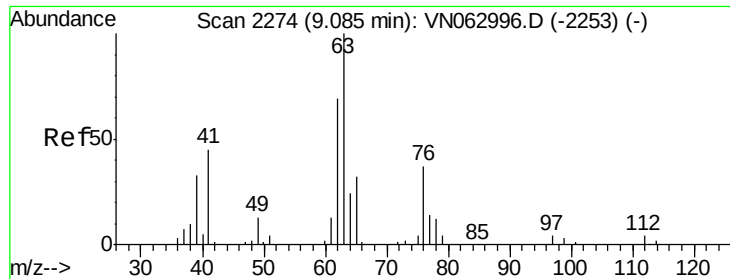
MMDadoda
8/27/2020 1:28:37 PM



#44
Trichloroethene
Concen: 46.998 ug/l
RT: 8.80 min Scan# 2186
Delta R.T. 0.00 min
Lab File: VN063145.D
Acq: 26 Aug 2020 20:11

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.7	0.0	205.6





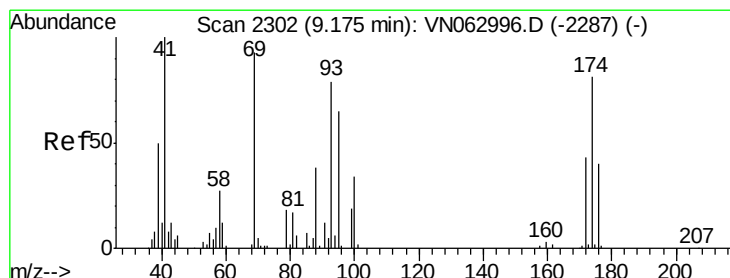
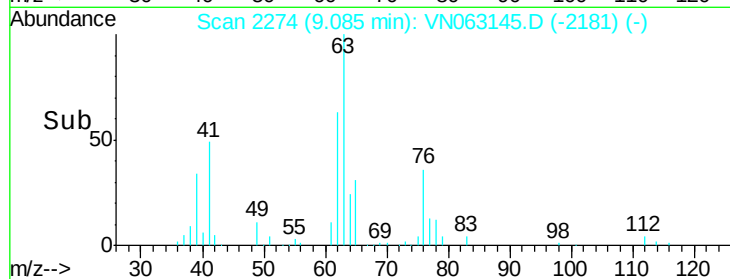
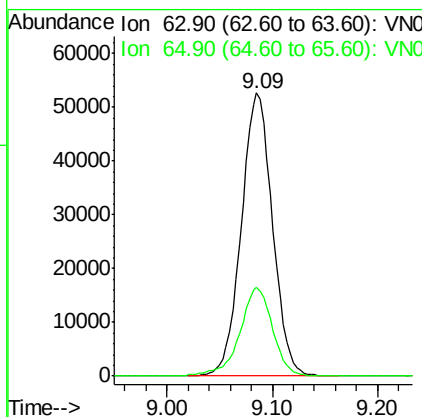
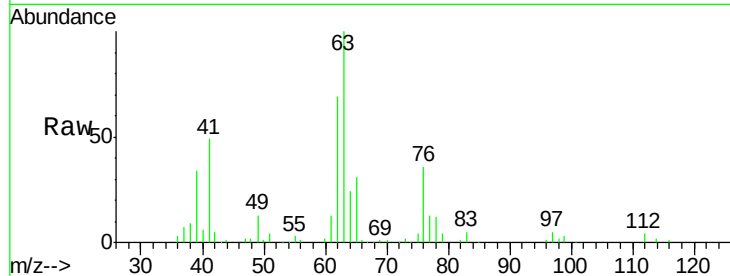
#45
 1,2-Dichloropropane
 Concen: 46.402 ug/l
 RT: 9.09 min Scan# 2274
 Delta R.T. 0.00 min
 Lab File: VN063145.D
 Acq: 26 Aug 2020 20:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 108280
 Ion Ratio Lower Upper
 63 100
 65 31.4 25.6 38.4

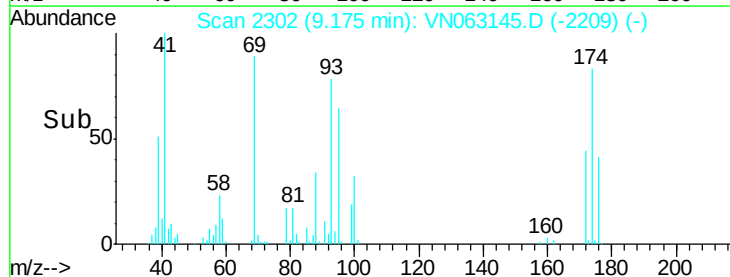
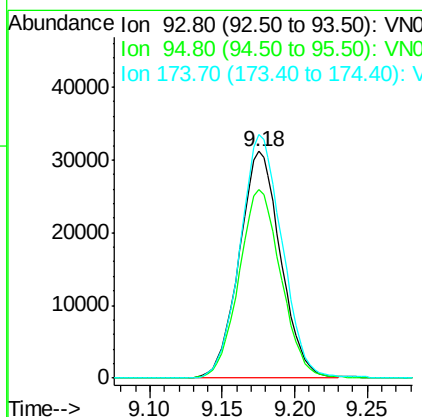
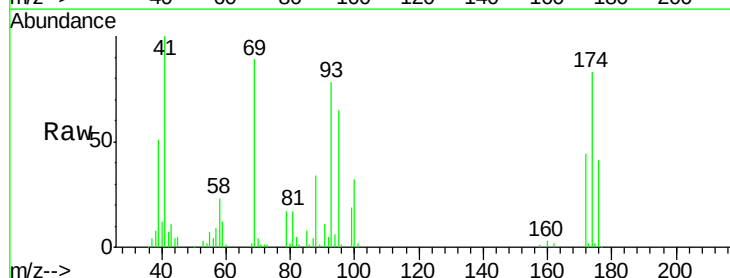
Manual Integrations
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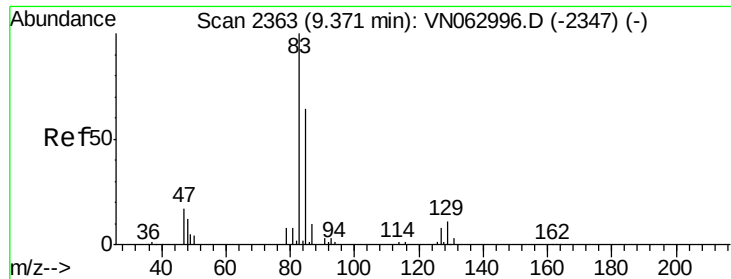
MMDadoda
 8/27/2020 1:28:37 PM



#46
 Dibromomethane
 Concen: 46.017 ug/l
 RT: 9.18 min Scan# 2302
 Delta R.T. 0.00 min
 Lab File: VN063145.D
 Acq: 26 Aug 2020 20:11

Tgt Ion: 93 Resp: 62034
 Ion Ratio Lower Upper
 93 100
 95 84.0 66.2 99.4
 174 108.8 84.6 127.0





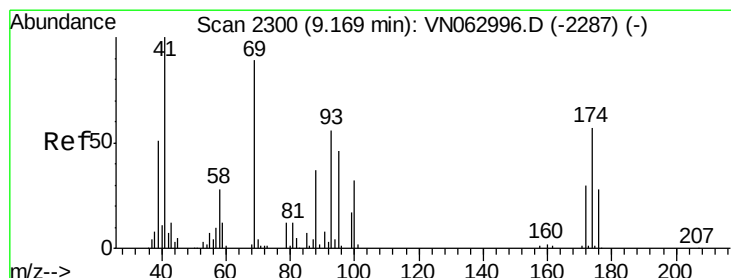
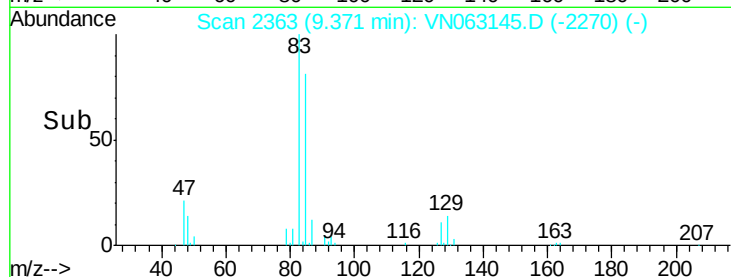
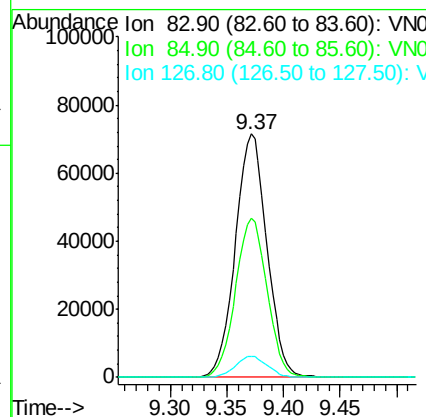
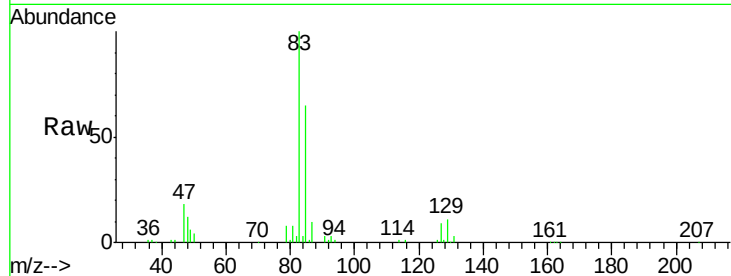
#47
Bromodichloromethane
Concen: 47.139 ug/l
RT: 9.37 min Scan# 2363
Delta R.T. 0.00 min
Lab File: VN063145.D
Acq: 26 Aug 2020 20:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	139181
Ion Ratio	100		
85	65.2	51.1	76.7
127	8.7	6.6	9.8

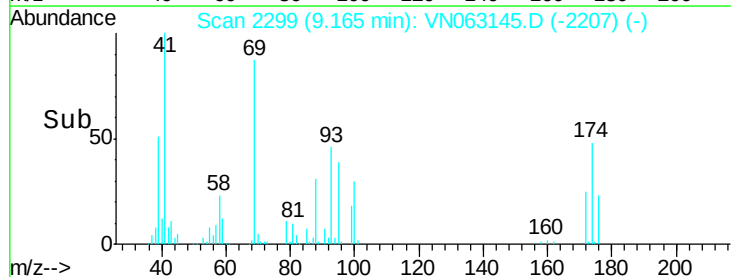
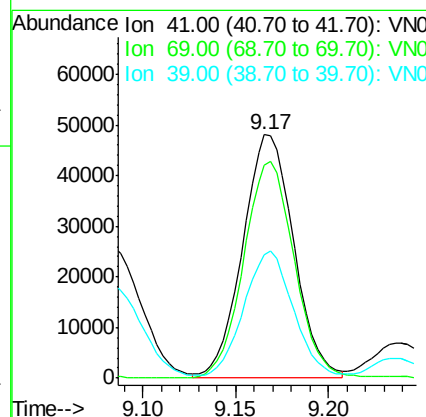
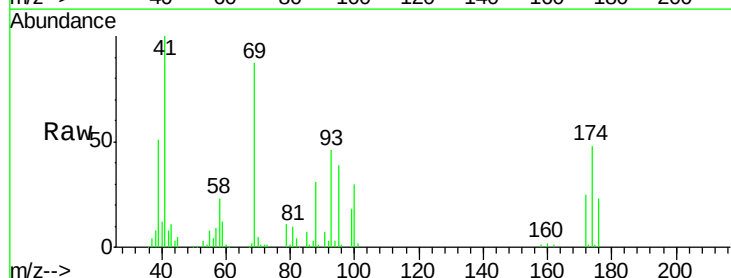
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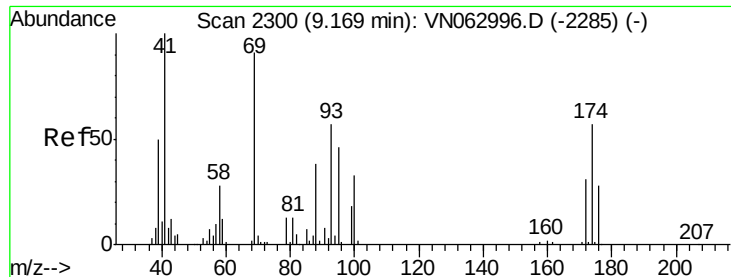
MMDadoda
8/27/2020 1:28:37 PM



#48
Methyl methacrylate
Concen: 48.992 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. -0.00 min
Lab File: VN063145.D
Acq: 26 Aug 2020 20:11

Tgt Ion	41	Resp	91591
Ion Ratio	100		
69	88.6	74.2	111.4
39	51.5	42.5	63.7





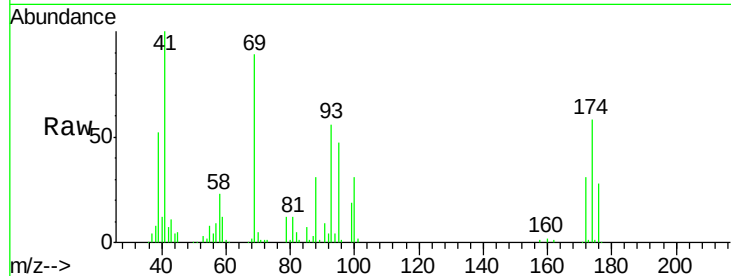
#49
1,4-Dioxane
Concen: 809.748 ug/l
RT: 9.17 min Scan# 2300
Delta R.T. 0.00 min
Lab File: VN063145.D
Acq: 26 Aug 2020 20:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	33191
Ion	Ratio	Lower	Upper
88	100		
43	32.6	25.2	37.8
58	71.7	56.7	85.1

Manual Integrations
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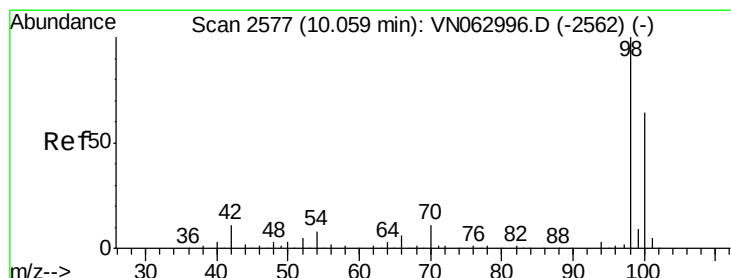
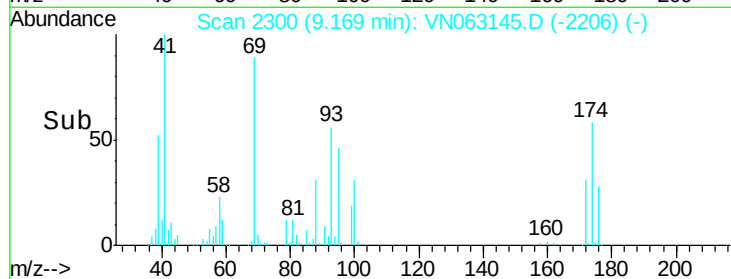
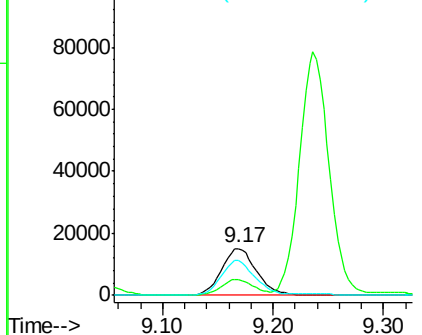


Abundance

Ion 88.00 (87.70 to 88.70): VN062996.D (-2285) (-)

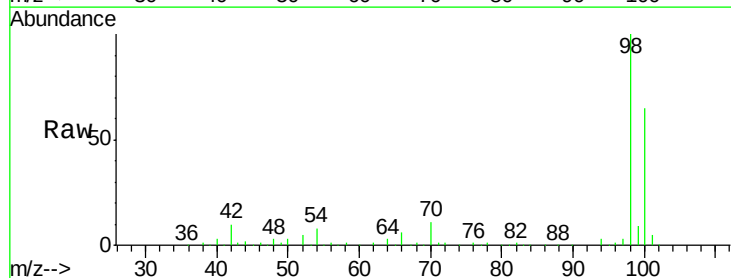
Ion 43.00 (42.70 to 43.70): VN062996.D (-2285) (-)

Ion 58.00 (57.70 to 58.70): VN062996.D (-2285) (-)



#50
Toluene-d8
Concen: 50.875 ug/l
RT: 10.06 min Scan# 2578
Delta R.T. 0.00 min
Lab File: VN063145.D
Acq: 26 Aug 2020 20:11

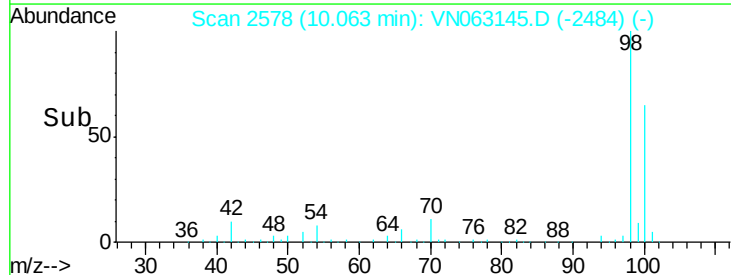
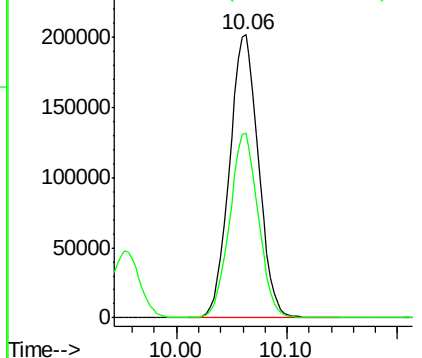
Tgt Ion	98	Resp	367768
Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.2	76.8

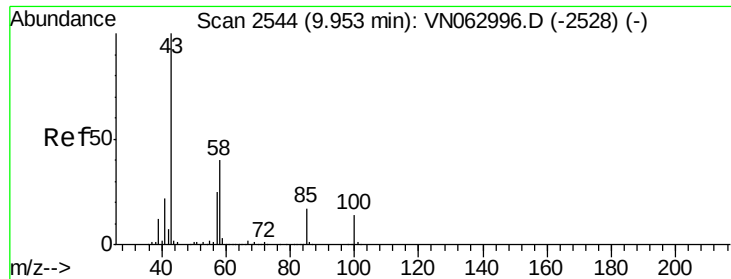


Abundance

Ion 98.00 (97.70 to 98.70): VN062996.D (-2562) (-)

Ion 100.00 (99.70 to 100.70): VN062996.D (-2562) (-)





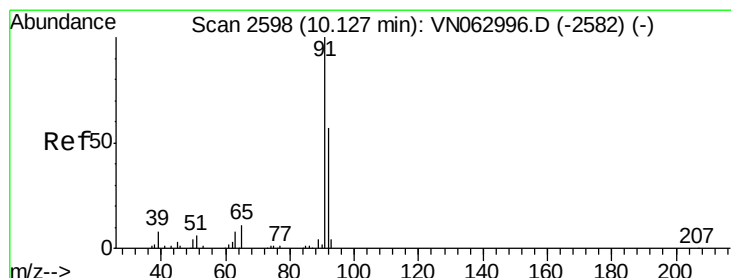
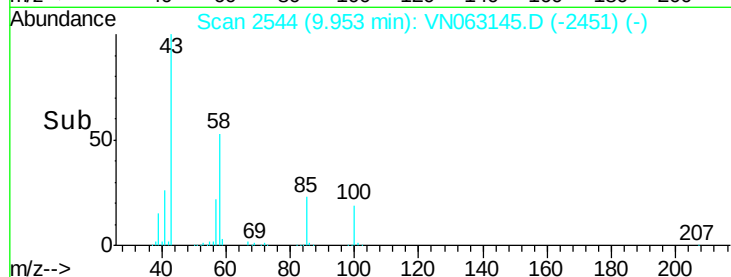
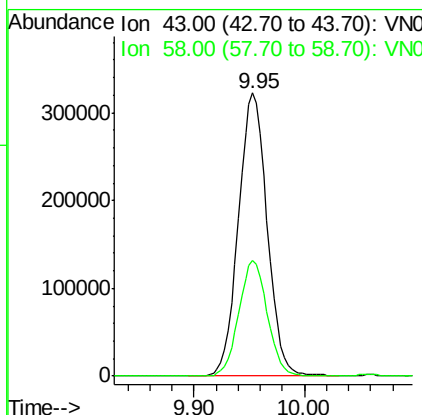
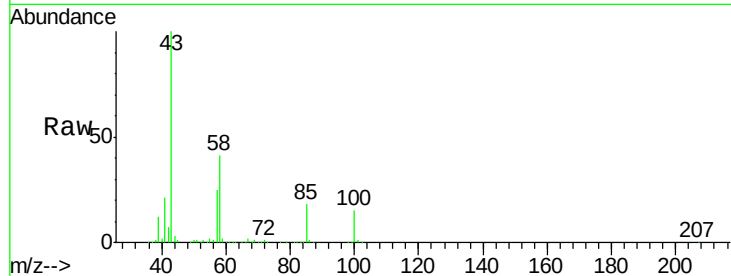
#51
4-Methyl-2-Pentanone
Concen: 232.091 ug/l
RT: 9.95 min Scan# 2544
Delta R.T. 0.00 min
Lab File: VN063145.D
Acq: 26 Aug 2020 20:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	579650
Ion Ratio	100	Lower	Upper
43	100		
58	40.6	32.2	48.2

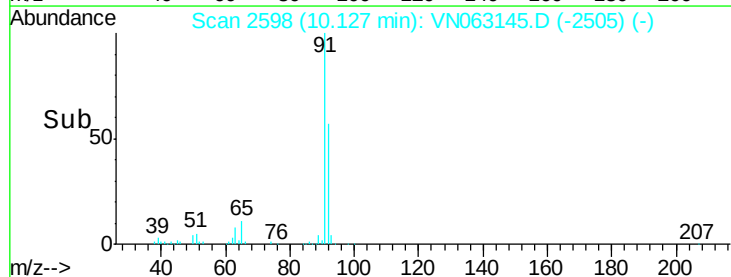
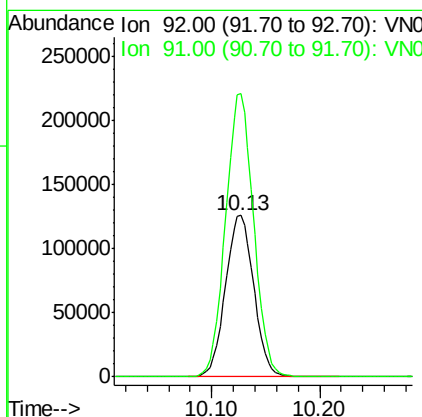
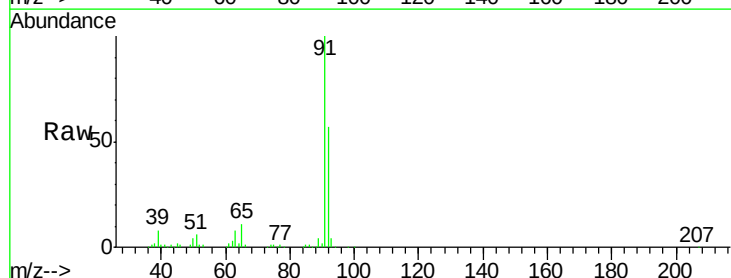
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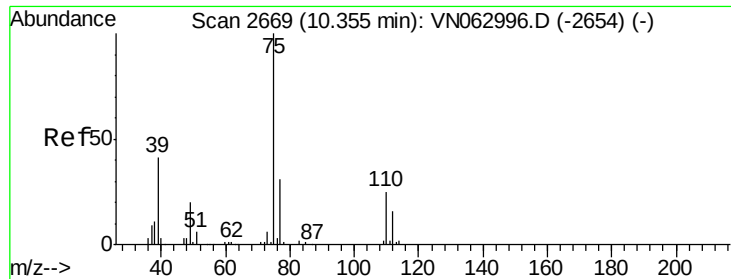
MMDadoda
8/27/2020 1:28:37 PM



#52
Toluene
Concen: 47.398 ug/l
RT: 10.13 min Scan# 2598
Delta R.T. 0.00 min
Lab File: VN063145.D
Acq: 26 Aug 2020 20:11

Tgt Ion	92	Resp	230824
Ion Ratio	100	Lower	Upper
92	100		
91	173.5	139.2	208.8





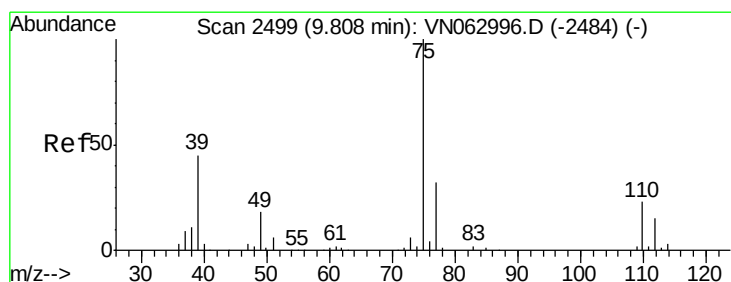
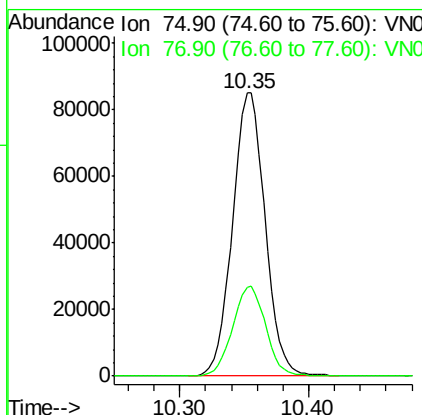
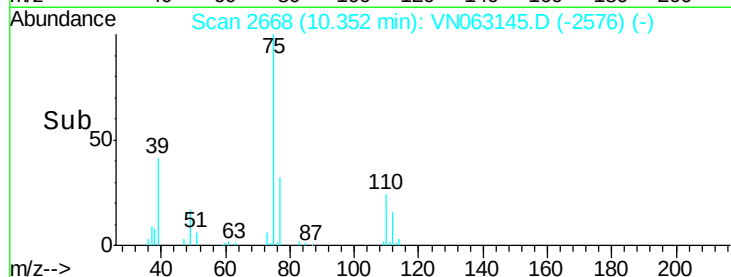
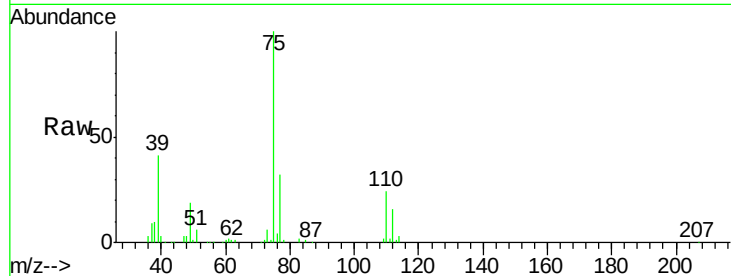
#53
 t-1,3-Dichloropropene
 Concen: 49.010 ug/l
 RT: 10.35 min Scan# 2668
 Delta R.T. -0.00 min
 Lab File: VN063145.D
 Acq: 26 Aug 2020 20:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 75 Resp: 149644
 Ion Ratio Lower Upper
 75 100
 77 31.6 24.6 37.0

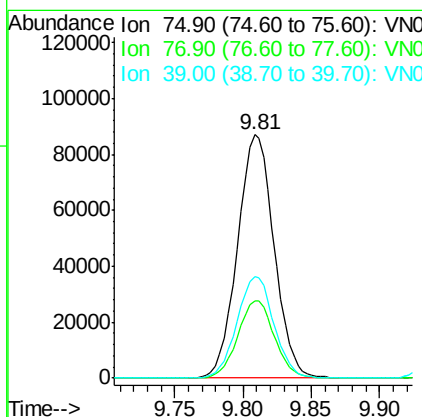
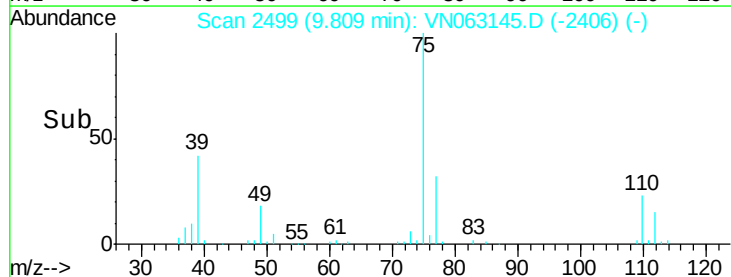
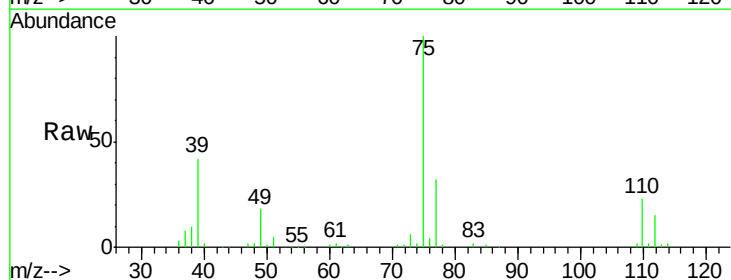
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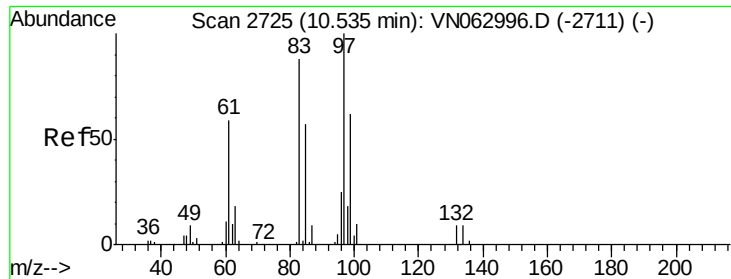
MMDadoda
 8/27/2020 1:28:37 PM



#54
 cis-1,3-Dichloropropene
 Concen: 48.382 ug/l
 RT: 9.81 min Scan# 2499
 Delta R.T. 0.00 min
 Lab File: VN063145.D
 Acq: 26 Aug 2020 20:11

Tgt Ion: 75 Resp: 162055
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.4 38.2
 39 41.8 35.7 53.5





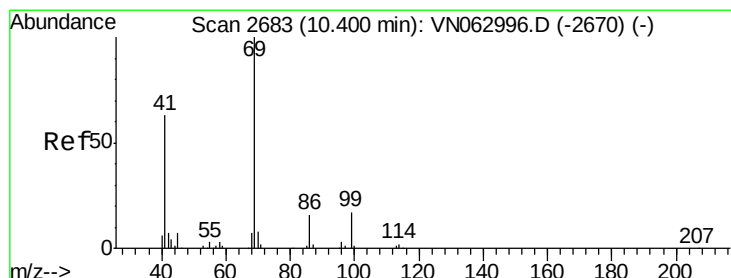
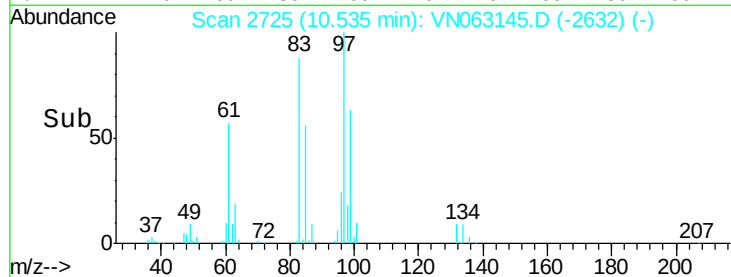
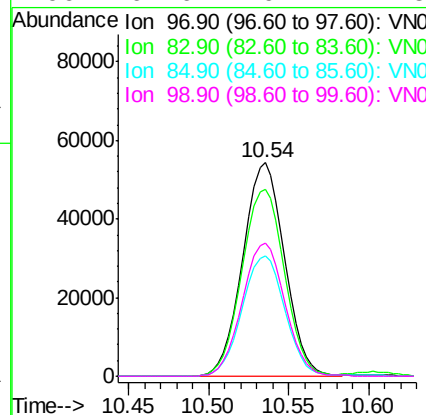
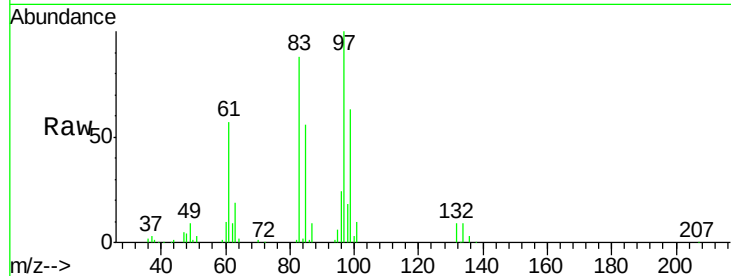
#55
 1,1,2-Trichloroethane
 Concen: 46.727 ug/l
 RT: 10.54 min Scan# 2725
 Delta R.T. 0.00 min
 Lab File: VN063145.D
 Acq: 26 Aug 2020 20:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		97300		
83	87.7	70.5	105.7		
85	56.4	45.8	68.6		
99	62.6	49.7	74.5		

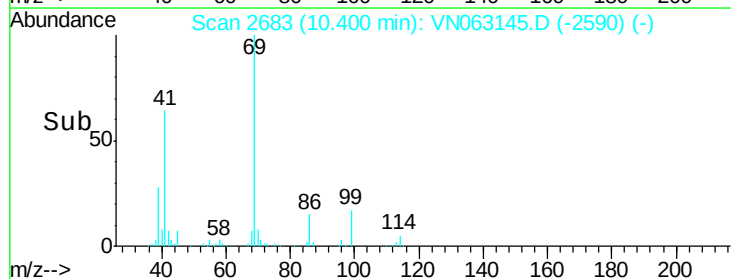
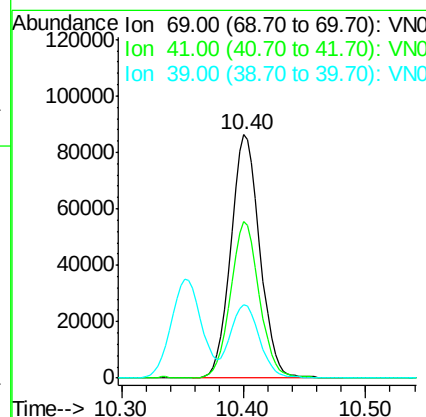
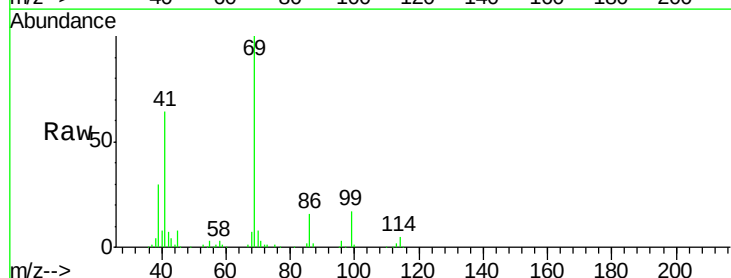
Manual Integrations
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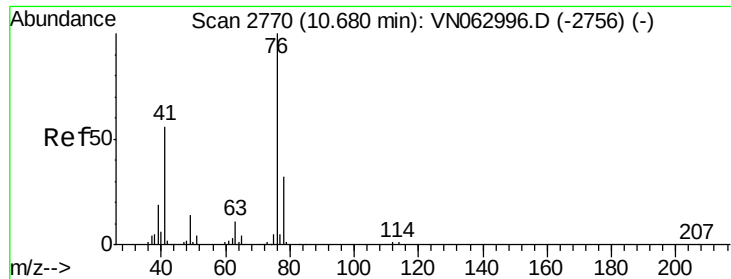
MMDadoda
 8/27/2020 1:28:37 PM



#56
 Ethyl methacrylate
 Concen: 44.908 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. 0.00 min
 Lab File: VN063145.D
 Acq: 26 Aug 2020 20:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		143835		
41	63.1	50.2	75.2		
39	30.5	24.2	36.4		





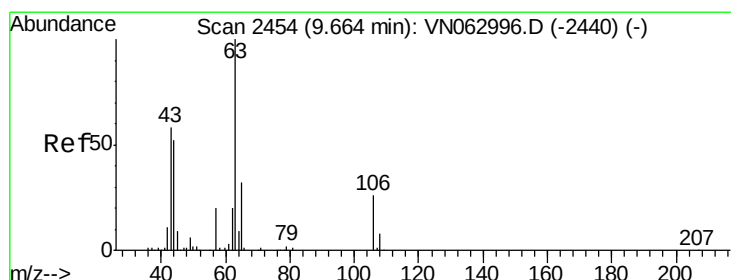
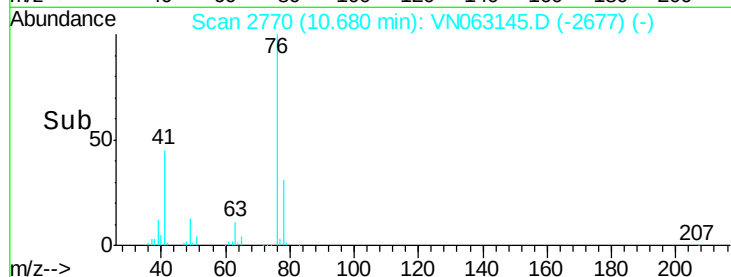
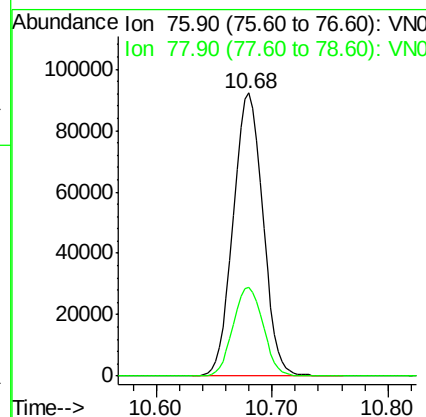
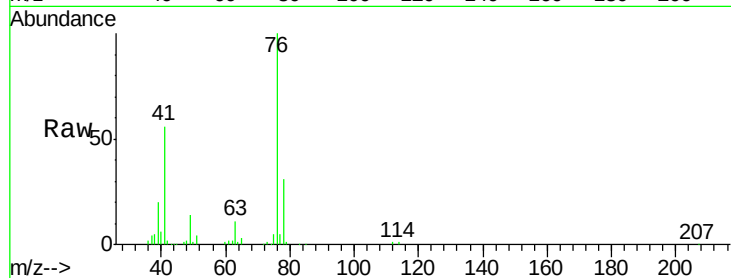
#57
 1,3-Dichloropropane
 Concen: 47.336 ug/l
 RT: 10.68 min Scan# 2770
 Delta R.T. 0.00 min
 Lab File: VN063145.D
 Acq: 26 Aug 2020 20:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.9	26.1	39.1

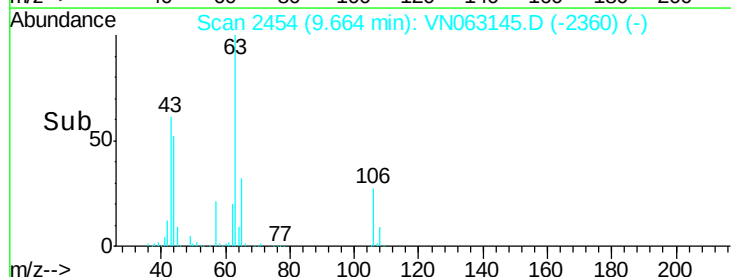
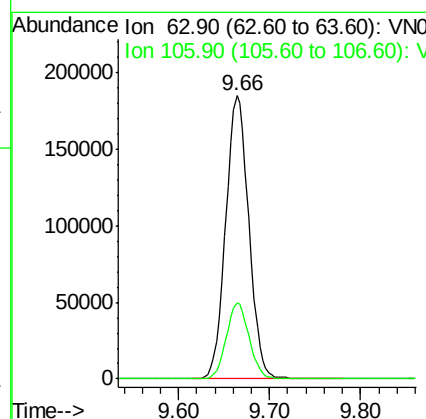
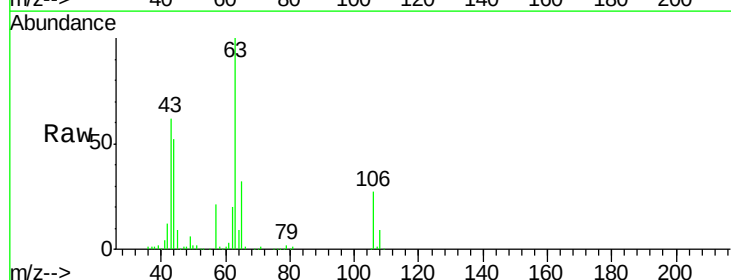
Manual Integrations
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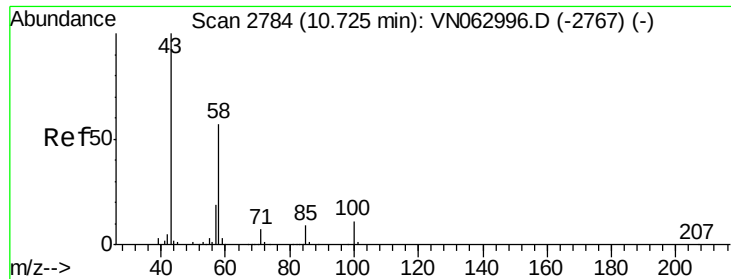
MMDadoda
 8/27/2020 1:28:37 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 409.873 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. 0.00 min
 Lab File: VN063145.D
 Acq: 26 Aug 2020 20:11

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.4	20.7	31.1





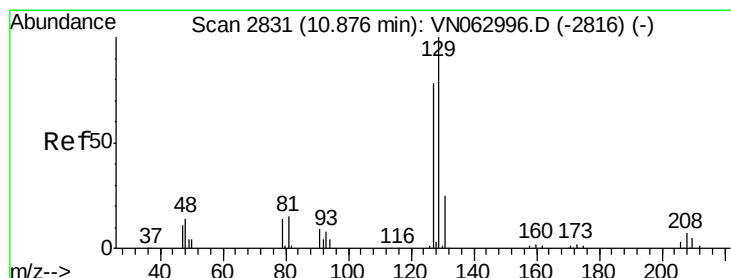
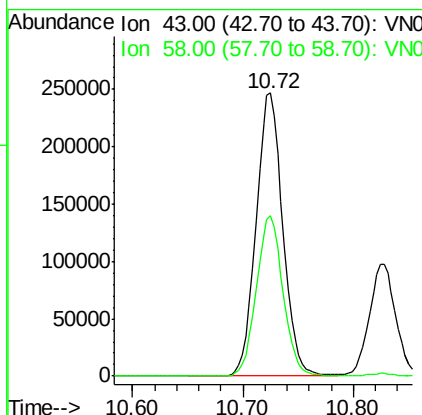
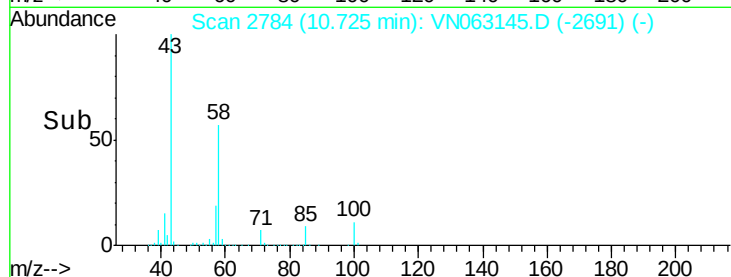
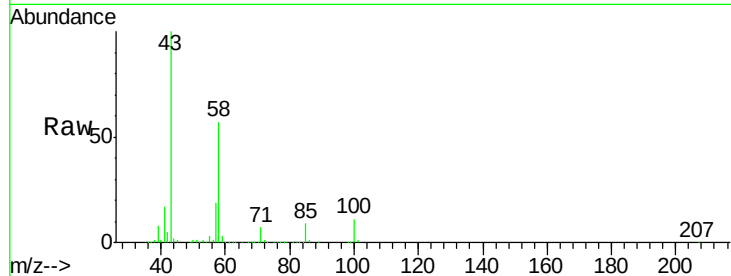
#59
2-Hexanone
Concen: 237.605 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. 0.00 min
Lab File: VN063145.D
Acq: 26 Aug 2020 20:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 413926
Ion Ratio Lower Upper
43 100
58 56.5 28.1 84.3

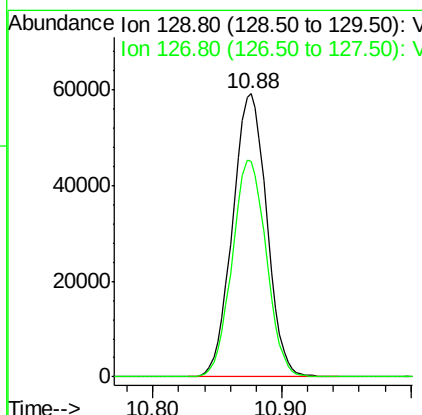
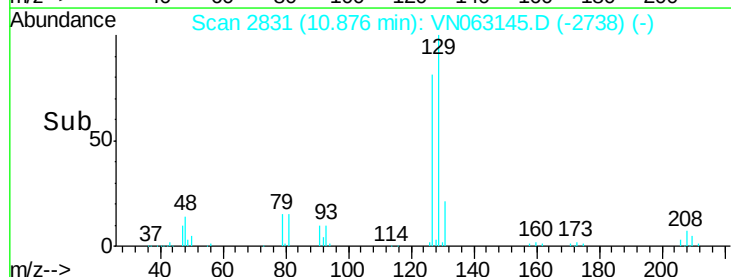
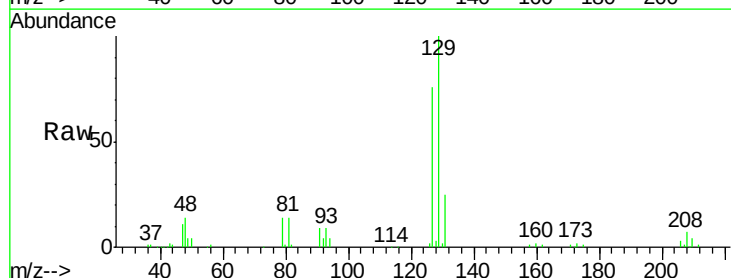
Manual Integrations
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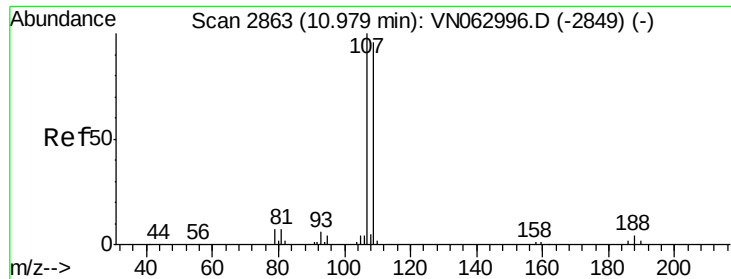
MMDadoda
8/27/2020 1:28:37 PM



#60
Dibromochloromethane
Concen: 47.288 ug/l
RT: 10.88 min Scan# 2831
Delta R.T. 0.00 min
Lab File: VN063145.D
Acq: 26 Aug 2020 20:11

Tgt Ion: 129 Resp: 108970
Ion Ratio Lower Upper
129 100
127 76.4 38.4 115.2





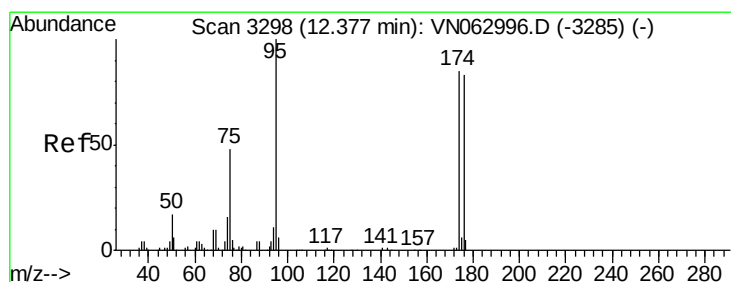
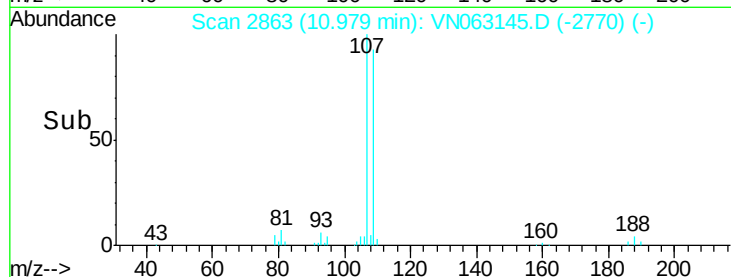
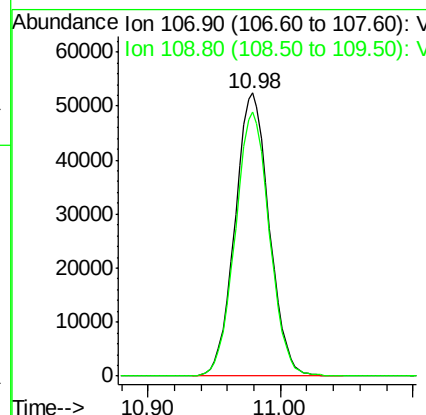
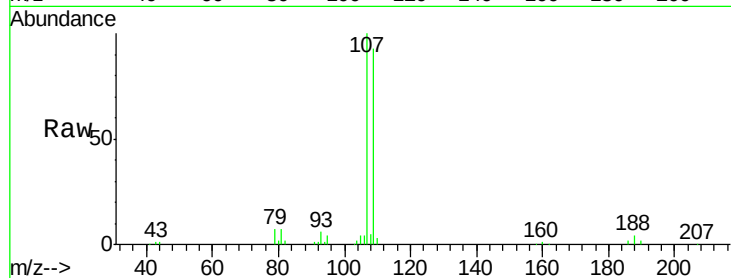
#61
 1,2-Dibromoethane
 Concen: 46.915 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. 0.00 min
 Lab File: VN063145.D
 Acq: 26 Aug 2020 20:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.1	75.7	113.5

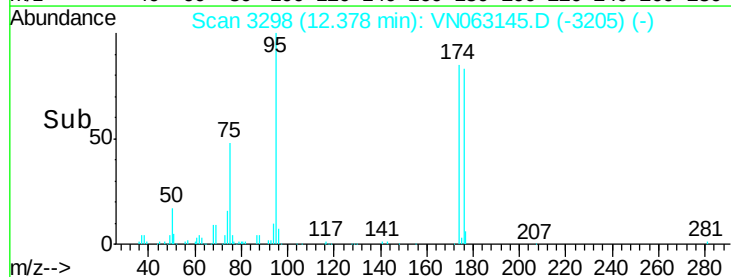
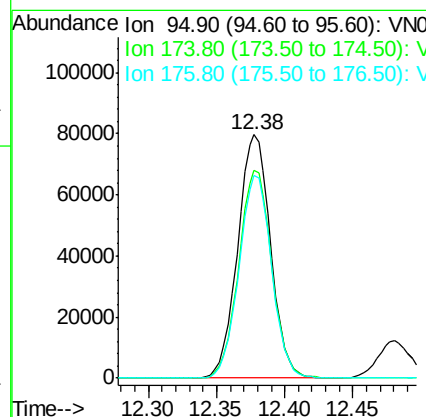
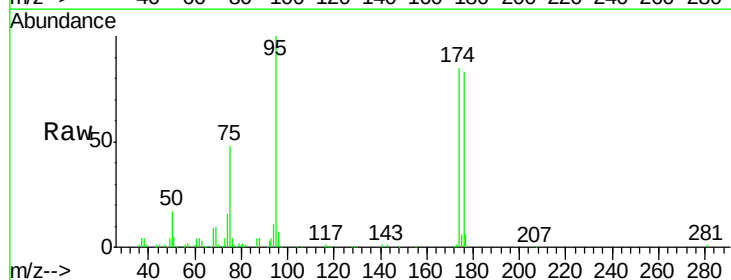
Manual Integrations
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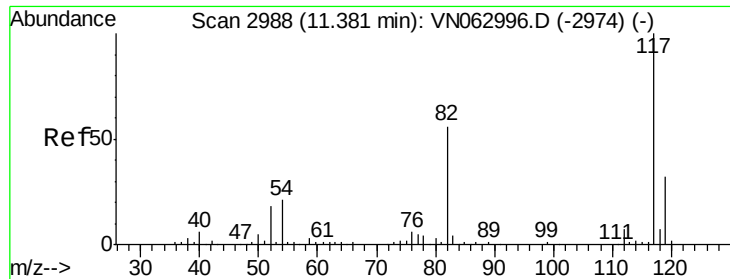
MMDadoda
 8/27/2020 1:28:37 PM



#62
 4-Bromofluorobenzene
 Concen: 52.117 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.00 min
 Lab File: VN063145.D
 Acq: 26 Aug 2020 20:11

Tgt Ion	Ratio	Lower	Upper
95	100		
174	85.4	0.0	170.8
176	82.7	0.0	164.8





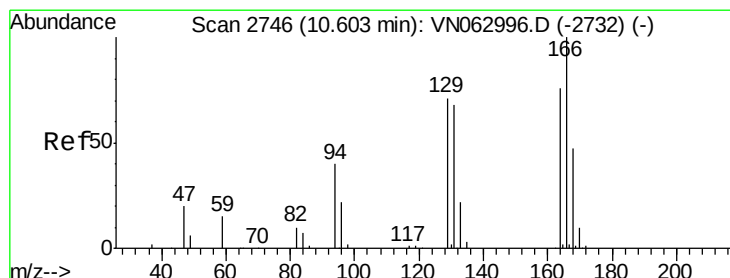
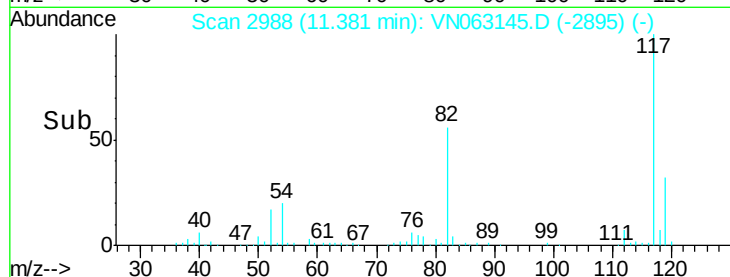
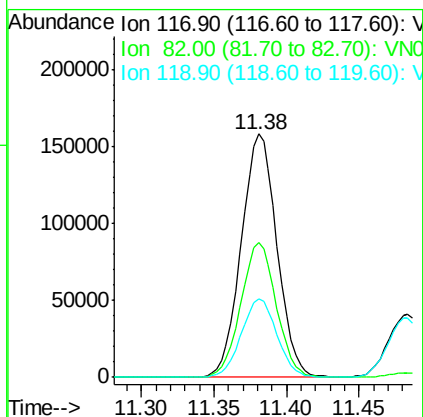
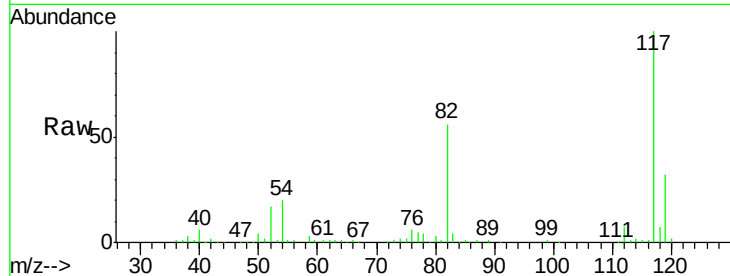
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN063145.D
Acq: 26 Aug 2020 20:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.5	44.5	66.7
119	32.1	25.5	38.3

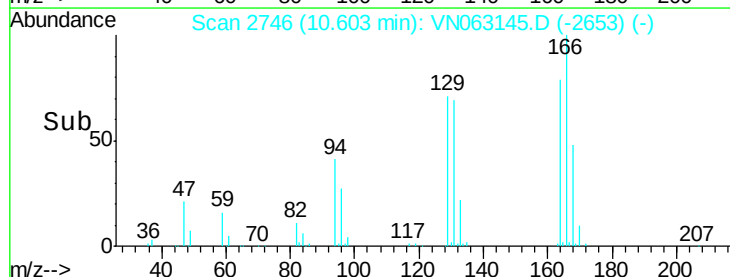
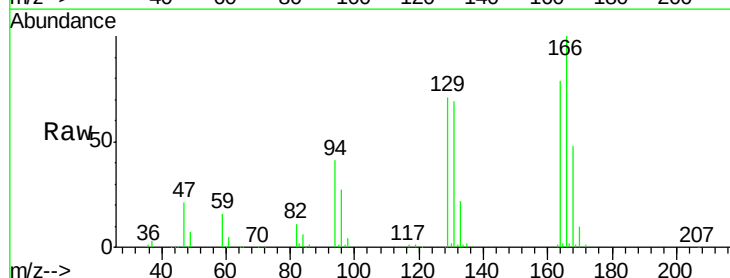
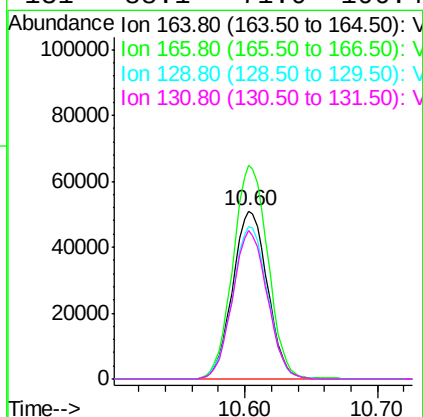
Manual Integrations
APPROVED

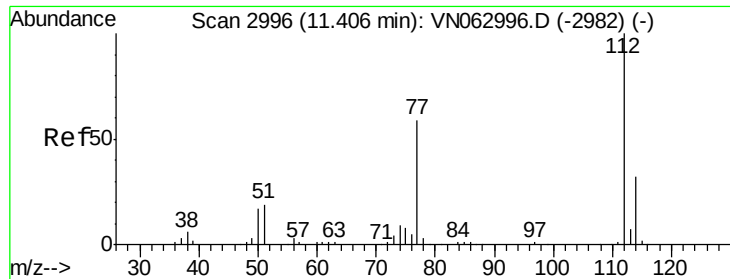
MMDadoda
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#64
Tetrachloroethene
Concen: 52.248 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. 0.00 min
Lab File: VN063145.D
Acq: 26 Aug 2020 20:11

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.2	105.0	157.6
129	90.8	74.7	112.1
131	88.1	71.0	106.4





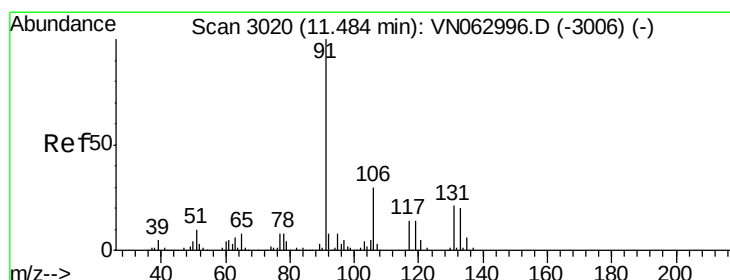
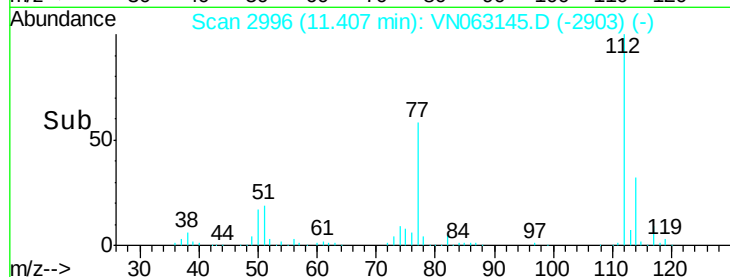
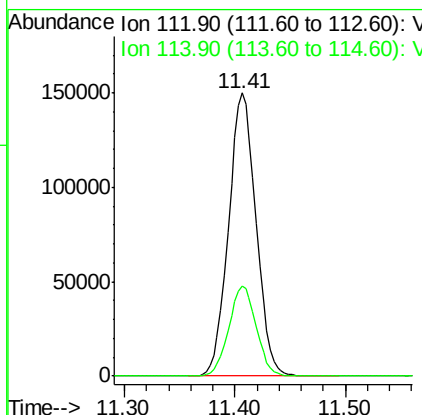
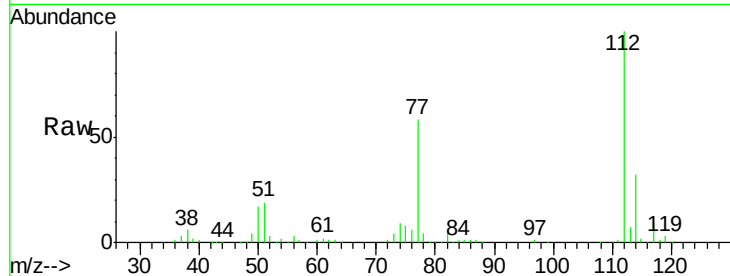
#65
Chlorobenzene
Concen: 47.632 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN063145.D
Acq: 26 Aug 2020 20:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 258825
Ion Ratio Lower Upper
112 100
114 31.8 25.3 37.9

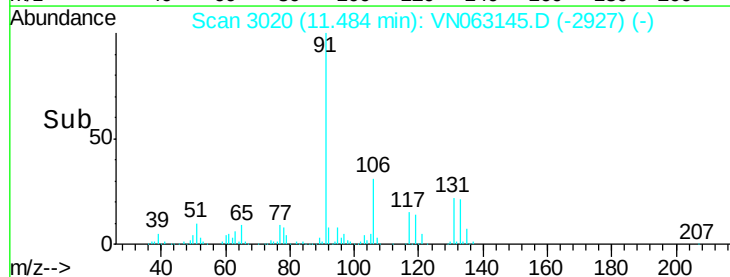
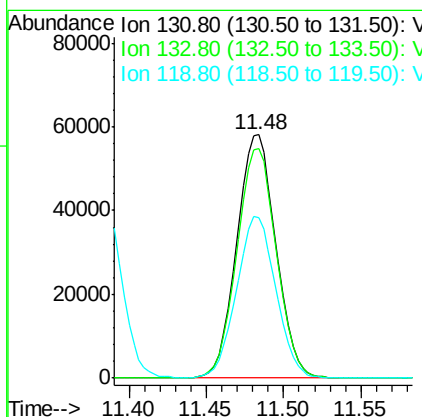
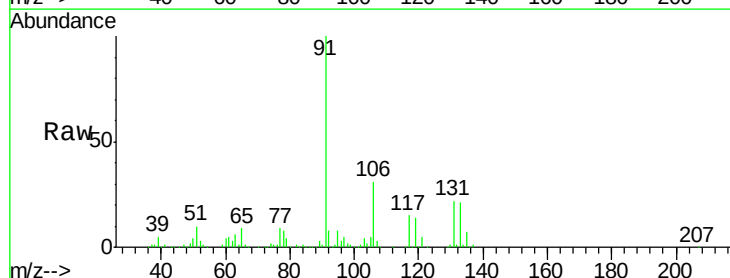
Manual Integrations
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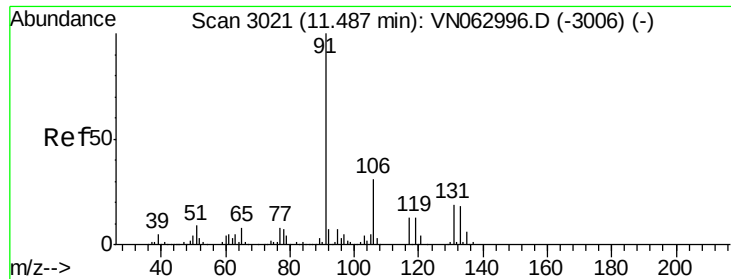
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#66
1,1,1,2-Tetrachloroethane
Concen: 48.227 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN063145.D
Acq: 26 Aug 2020 20:11

Tgt Ion:131 Resp: 101930
Ion Ratio Lower Upper
131 100
133 95.3 47.5 142.6
119 66.8 33.1 99.3





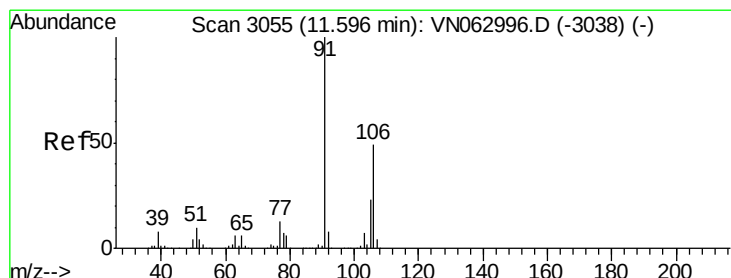
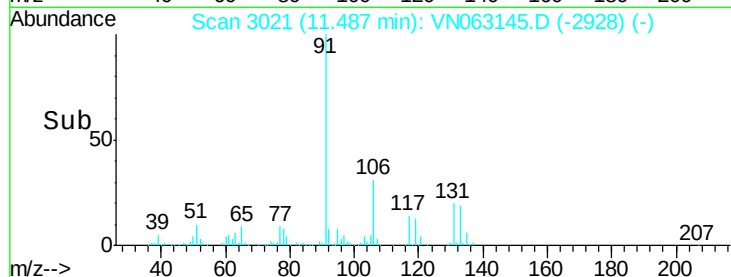
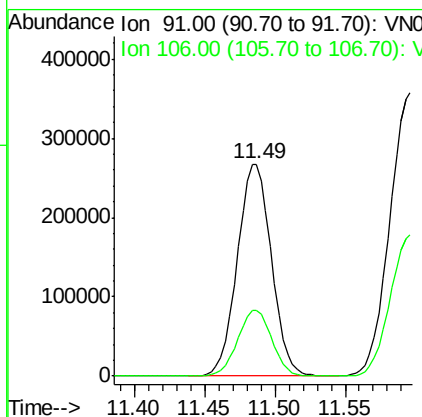
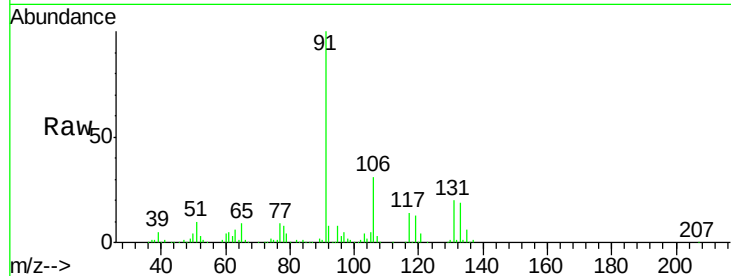
#67
Ethyl Benzene
Concen: 49.434 ug/l
RT: 11.49 min Scan# 3021
Delta R.T. 0.00 min
Lab File: VN063145.D
Acq: 26 Aug 2020 20:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 453886
Ion Ratio Lower Upper
91 100
106 31.1 24.6 37.0

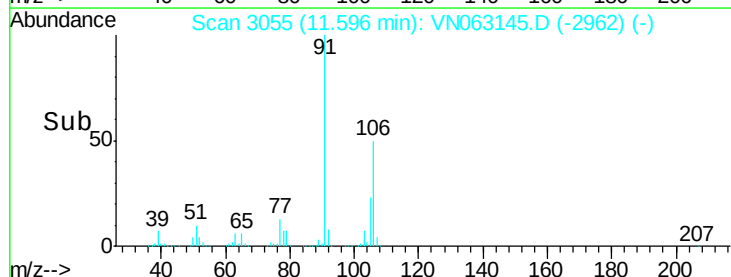
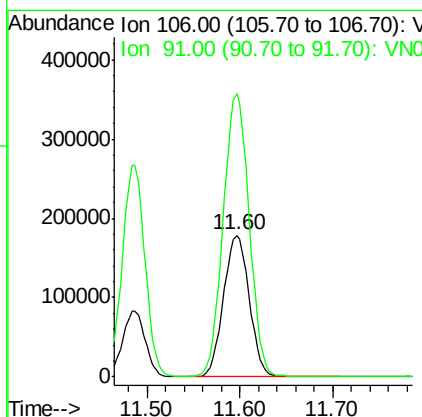
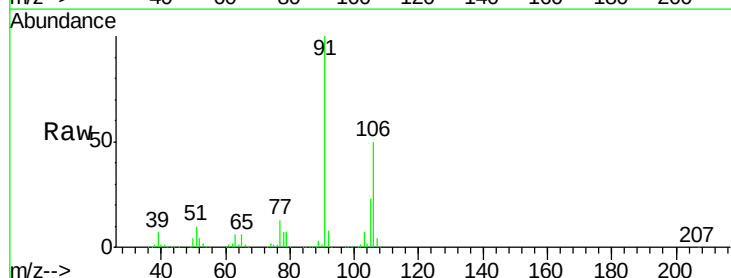
Manual Integrations
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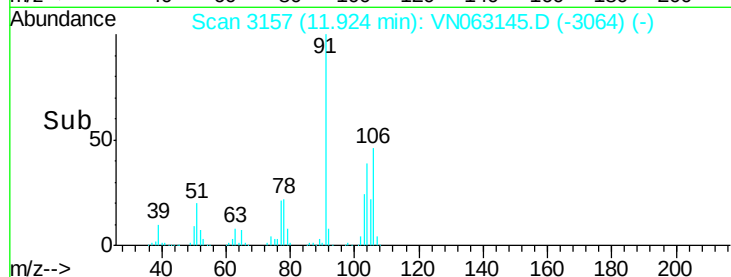
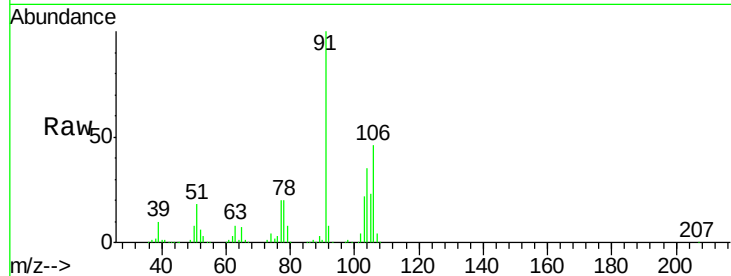
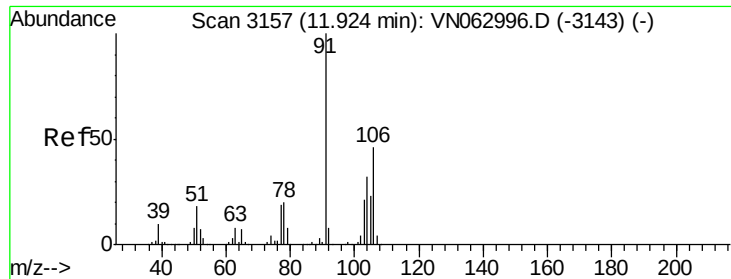
MMDadoda
8/27/2020 1:28:37 PM



#68
m/p-Xylenes
Concen: 100.612 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VN063145.D
Acq: 26 Aug 2020 20:11

Tgt Ion: 106 Resp: 343343
Ion Ratio Lower Upper
106 100
91 201.6 163.0 244.4





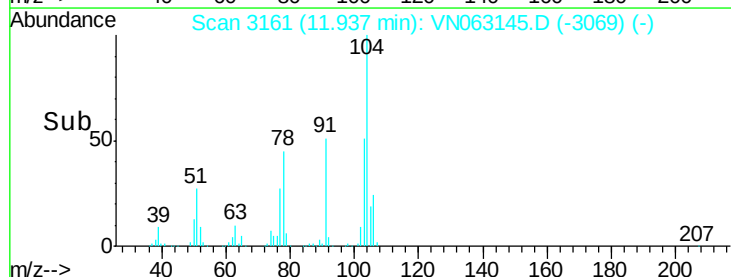
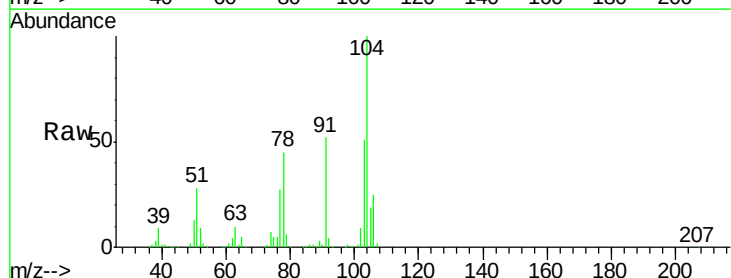
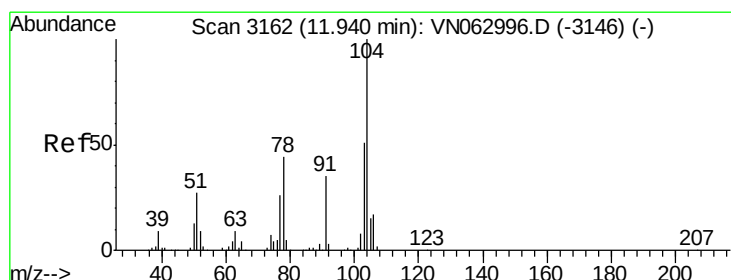
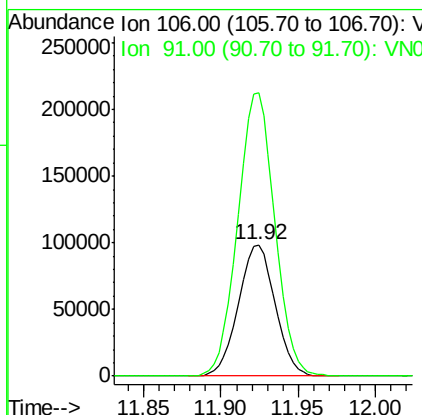
#69
o-Xylene
Concen: 49.784 ug/l
RT: 11.92 min Scan# 3157
Delta R.T. 0.00 min
Lab File: VN063145.D
Acq: 26 Aug 2020 20:11

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		163140		
91	216.8	107.3	321.9		

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

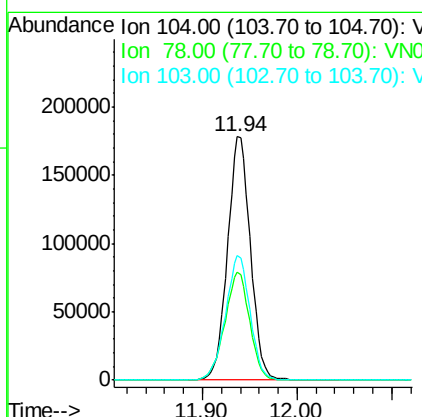
Manual Integrations
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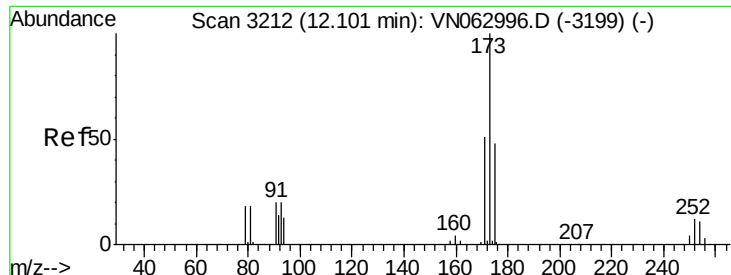
MMDadoda
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#70
Styrene
Concen: 46.296 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN063145.D
Acq: 26 Aug 2020 20:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		300099		
78	48.3	39.0	58.6		
103	54.8	44.3	66.5		





#71

Bromoform

Concen: 48.194 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VN063145.D

Acq: 26 Aug 2020 20:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 81077

Ion Ratio Lower Upper

173 100

175 47.9 24.3 72.8

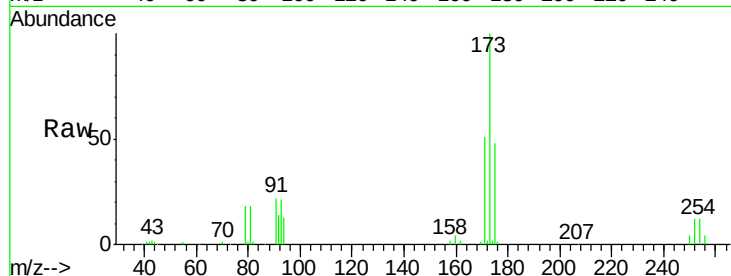
254 0.0 0.0 0.0

Manual Integrations

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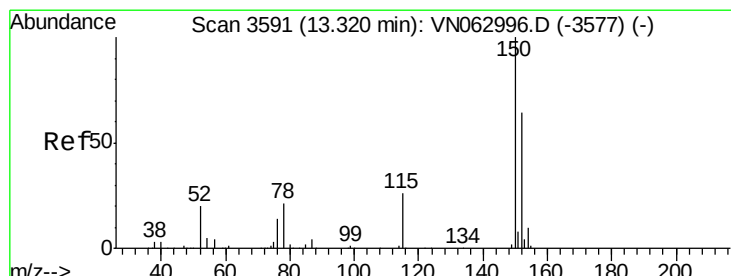
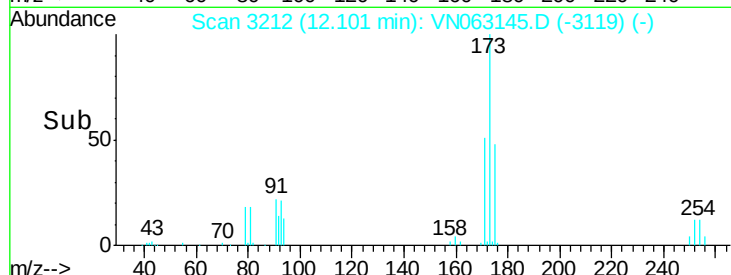
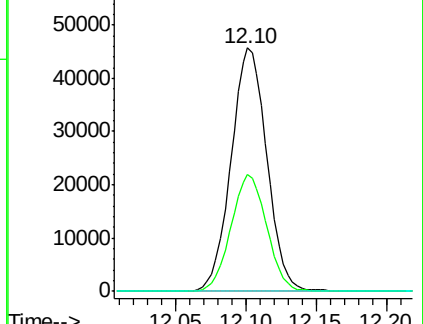
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN063145.D

Acq: 26 Aug 2020 20:11

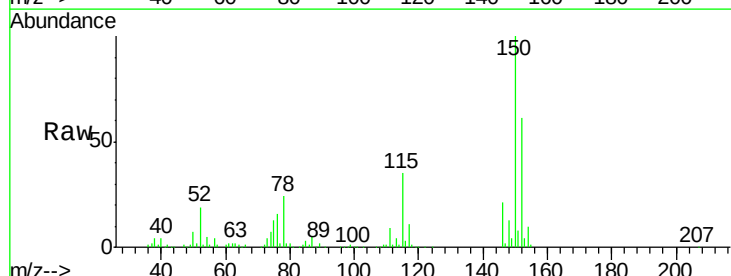
Tgt Ion:152 Resp: 135142

Ion Ratio Lower Upper

152 100

115 58.0 28.7 86.3

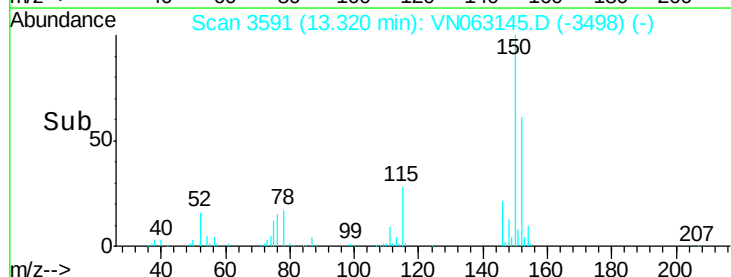
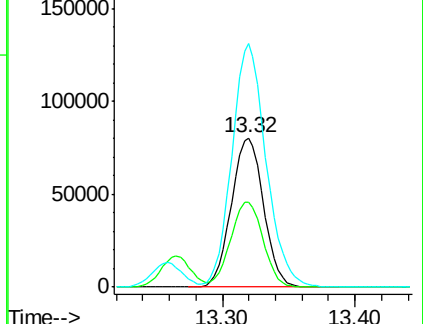
150 172.6 0.0 348.8

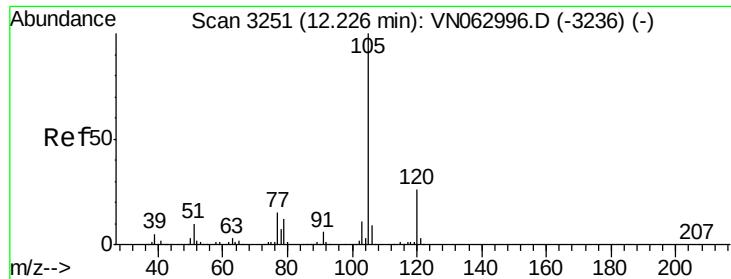


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 47.069 ug/l

RT: 12.23 min Scan# 3251

Delta R.T. 0.00 min

Lab File: VN063145.D

Acq: 26 Aug 2020 20:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 435598

Ion Ratio Lower Upper

105 100

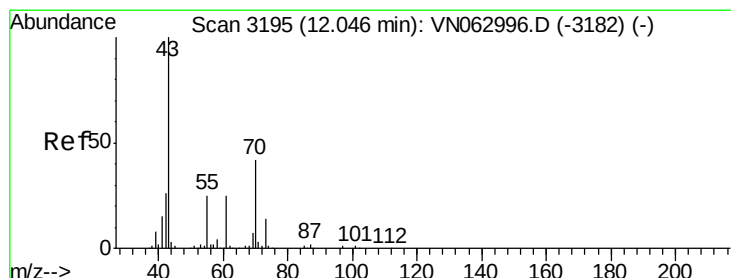
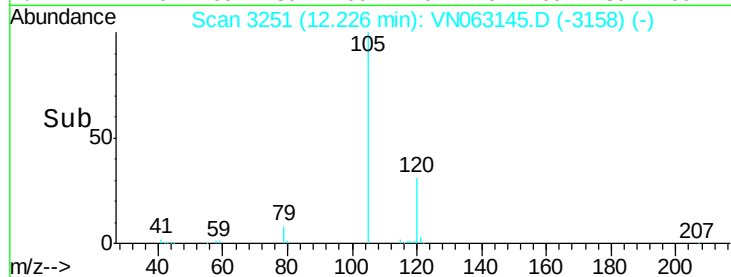
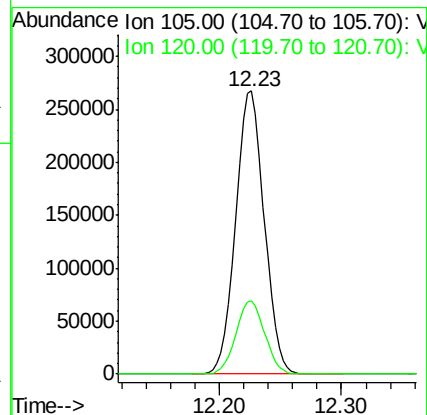
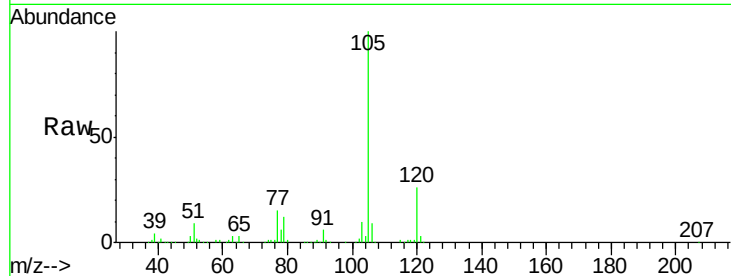
120 26.2 13.2 39.6

Manual Integrations

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8/27/2020 1:28:37 PM



#74

N-ethyl acetate

Concen: 50.457 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. 0.00 min

Lab File: VN063145.D

Acq: 26 Aug 2020 20:11

Tgt Ion: 43 Resp: 167240

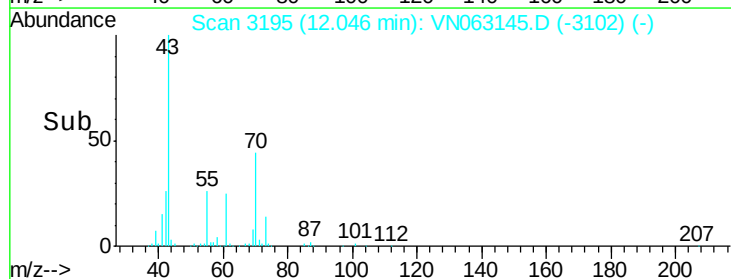
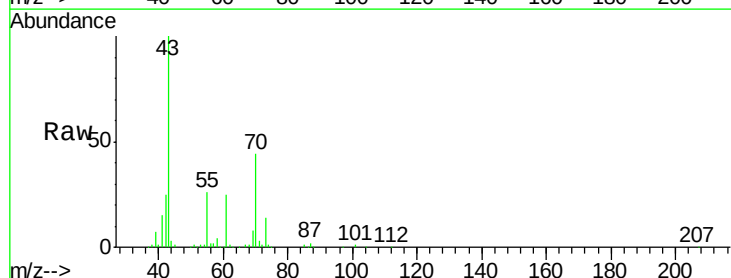
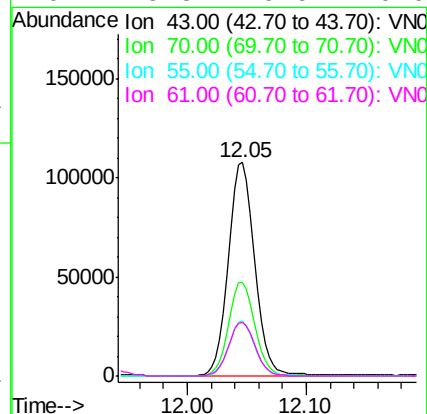
Ion Ratio Lower Upper

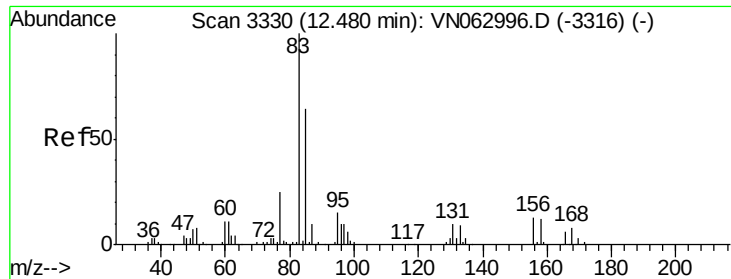
43 100

70 43.8 33.4 50.0

55 25.5 20.2 30.2

61 25.3 19.9 29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 46.246 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VN063145.D

Acq: 26 Aug 2020 20:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 138483

Ion Ratio Lower Upper

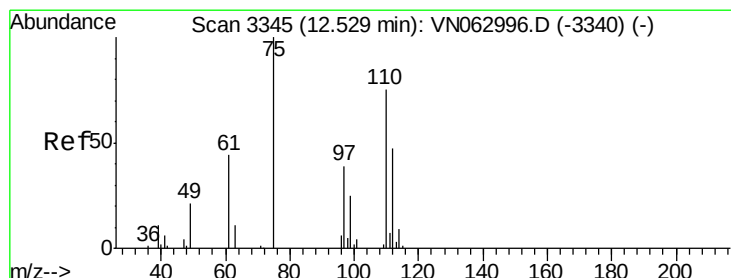
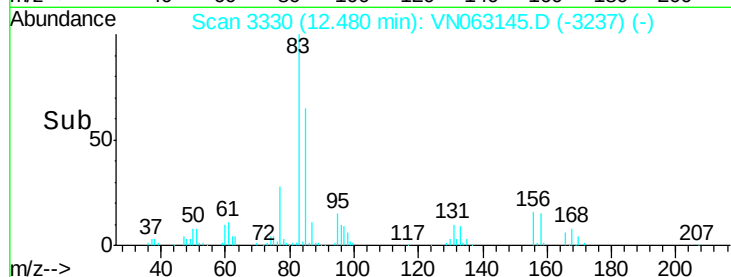
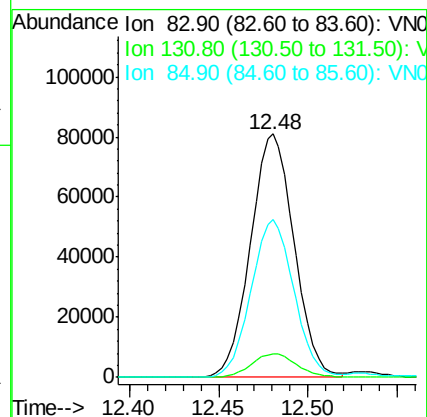
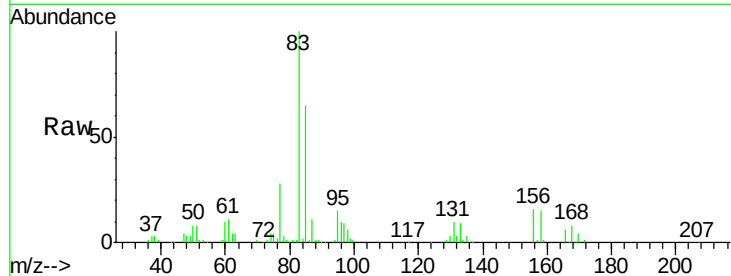
83 100

131 10.0 4.9 14.7

85 63.8 31.9 95.5

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8/27/2020 1:28:37 PM



#76

1,2,3-Trichloropropane

Concen: 41.417 ug/l m

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN063145.D

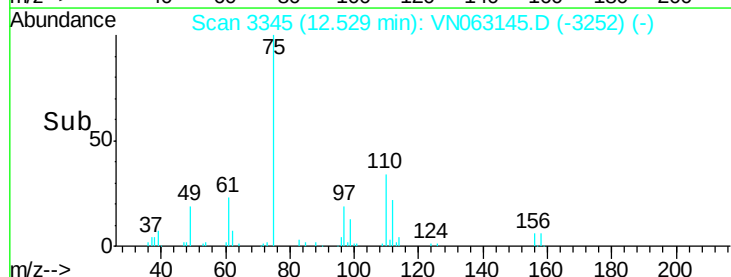
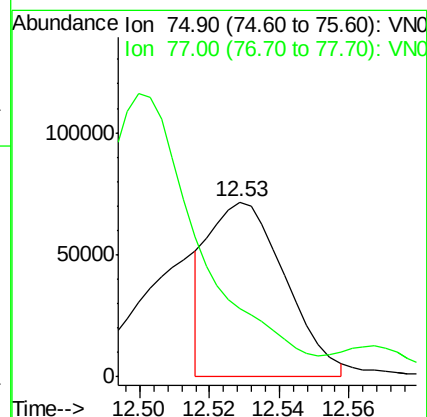
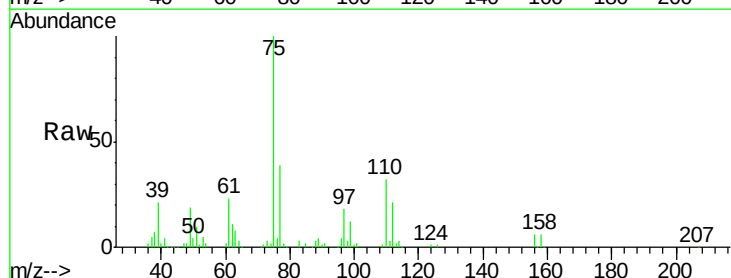
Acq: 26 Aug 2020 20:11

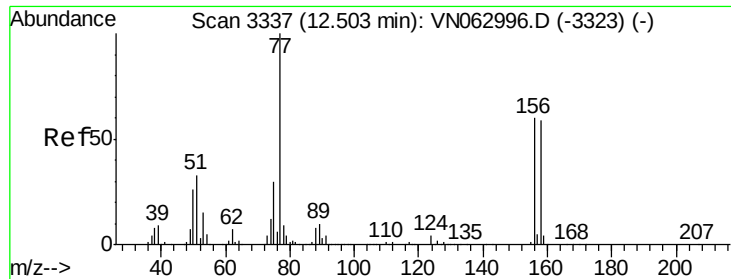
Tgt Ion: 75 Resp: 108796

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 46.297 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN063145.D

Acq: 26 Aug 2020 20:11

Instrument :

MSVOA_N

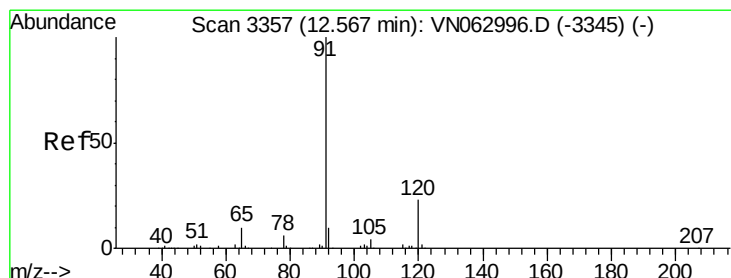
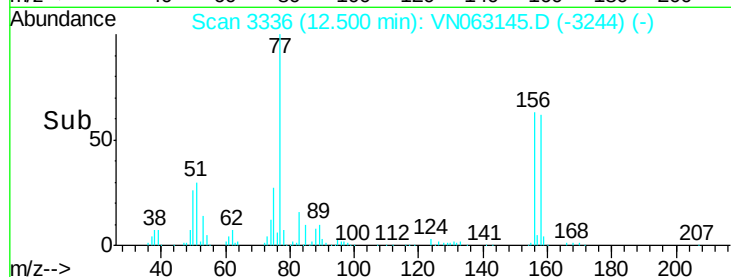
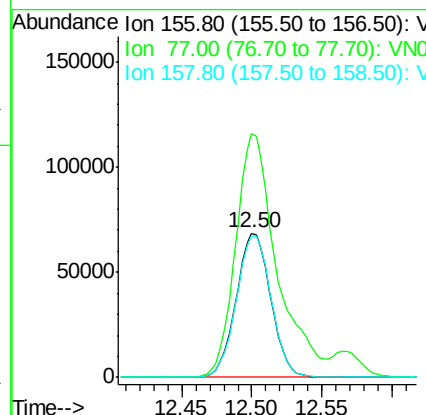
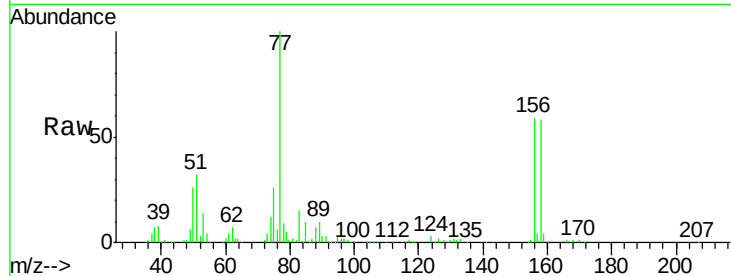
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	117839
Ion	Ratio	Lower	Upper
156	100		
77	200.8	101.0	302.9
158	99.0	49.4	148.0

Manual Integrations
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#78

n-propylbenzene

Concen: 47.723 ug/l

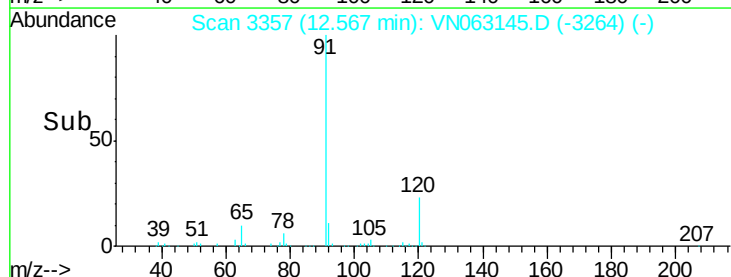
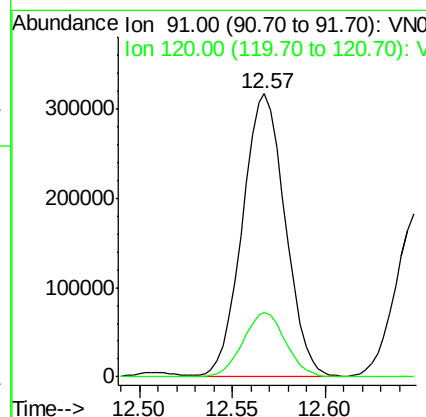
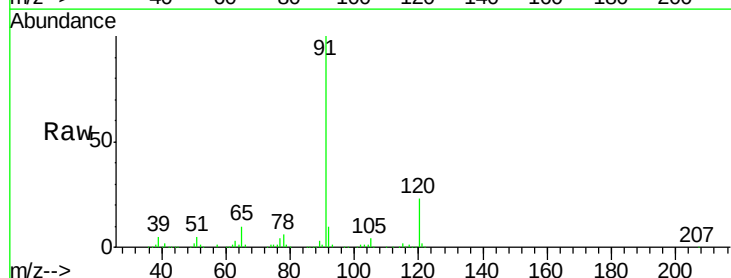
RT: 12.57 min Scan# 3357

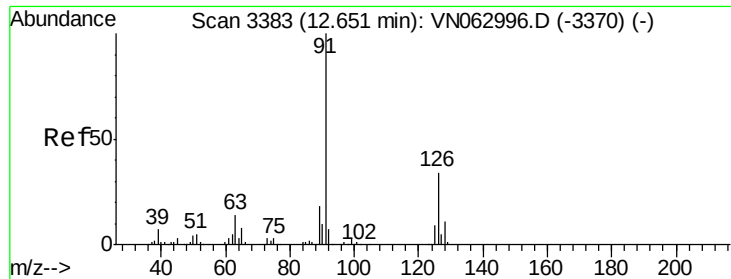
Delta R.T. 0.00 min

Lab File: VN063145.D

Acq: 26 Aug 2020 20:11

Tgt Ion:	91	Resp:	503413
Ion	Ratio	Lower	Upper
91	100		
120	22.8	11.4	34.1





#79

2-Chlorotoluene

Concen: 46.662 ug/l

RT: 12.65 min Scan# 3383

Delta R.T. 0.00 min

Lab File: VN063145.D

Acq: 26 Aug 2020 20:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 309599

Ion Ratio Lower Upper

91 100

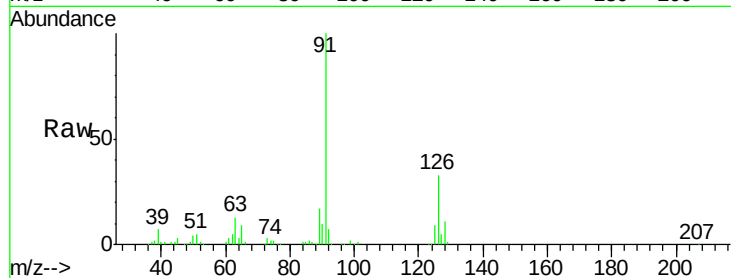
126 33.7 17.1 51.2

Manual Integrations

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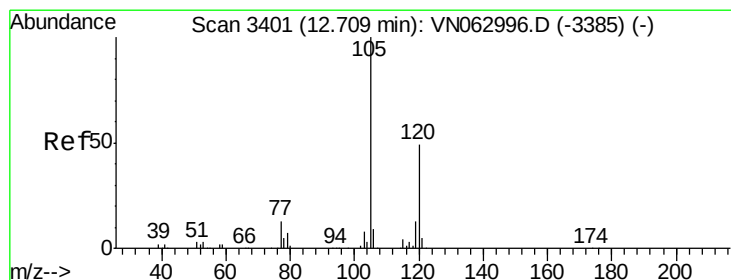
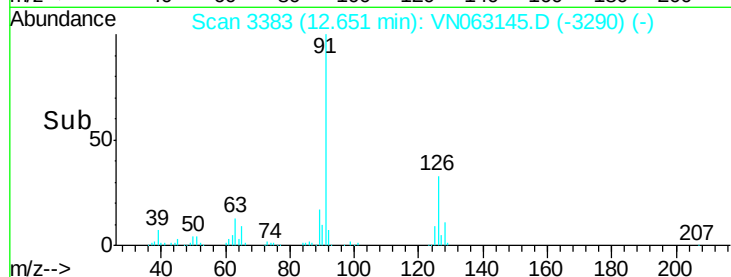
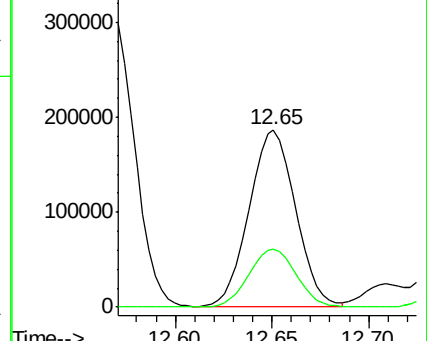
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Abundance Ion 91.00 (90.70 to 91.70): VN062996.D (-3370) (-)

Ion 125.90 (125.60 to 126.60): VN062996.D (-3370) (-)



#80

1,3,5-Trimethylbenzene

Concen: 47.911 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN063145.D

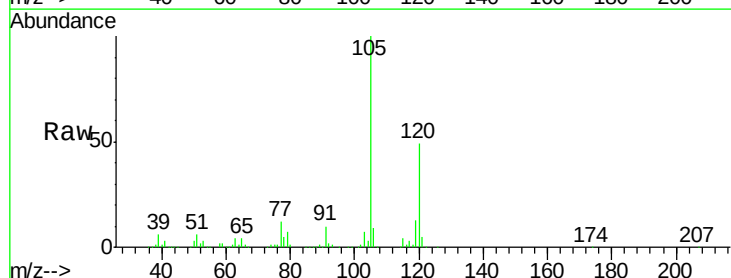
Acq: 26 Aug 2020 20:11

Tgt Ion: 105 Resp: 366534

Ion Ratio Lower Upper

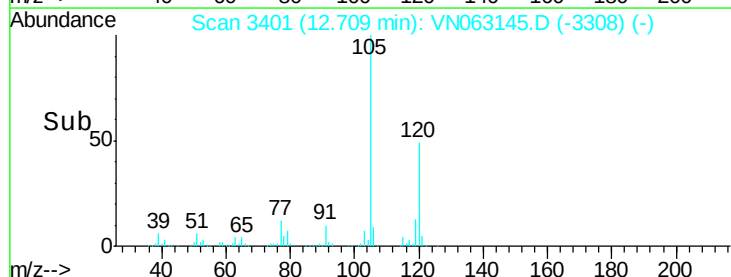
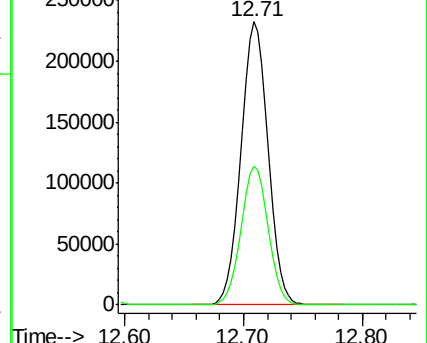
105 100

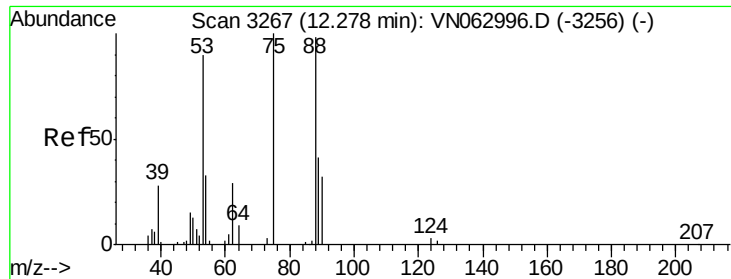
120 49.1 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VN062996.D (-3385) (-)

Ion 120.00 (119.70 to 120.70): VN062996.D (-3385) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 48.235 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. -0.00 min

Lab File: VN063145.D

Acq: 26 Aug 2020 20:11

Instrument :

MSVOA_N

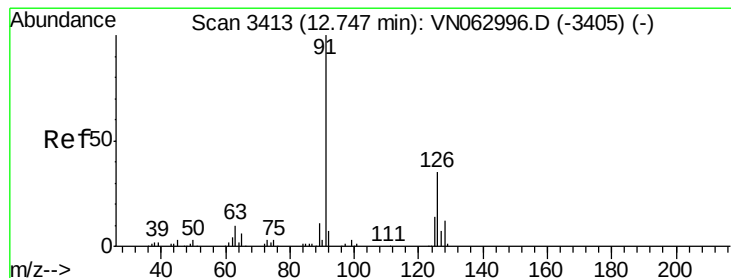
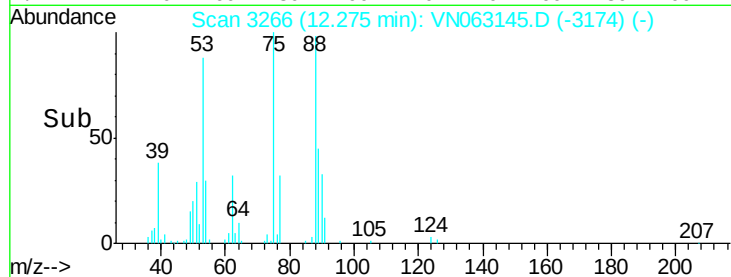
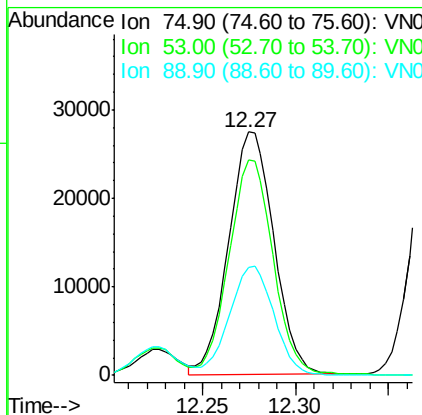
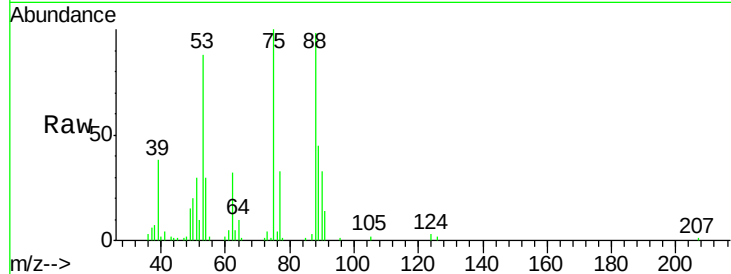
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	46135
Ion Ratio	Lower	Upper	
75	100		
53	87.7	69.2	103.8
89	44.8	34.2	51.4

Manual Integrations
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#82

4-Chlorotoluene

Concen: 48.378 ug/l

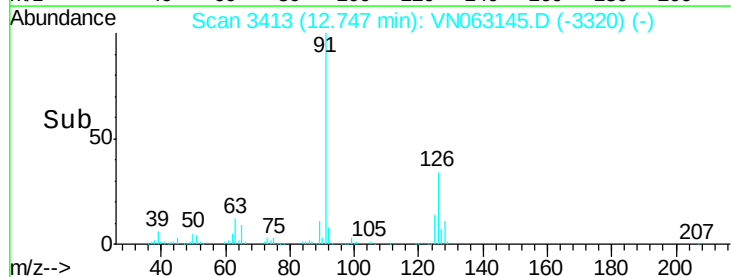
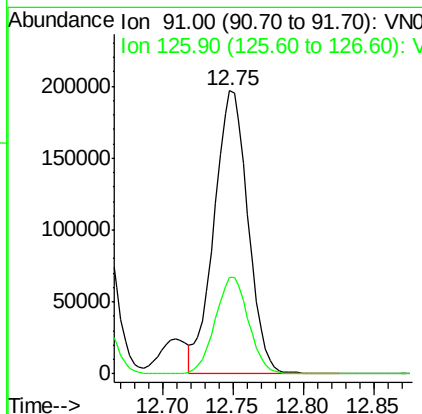
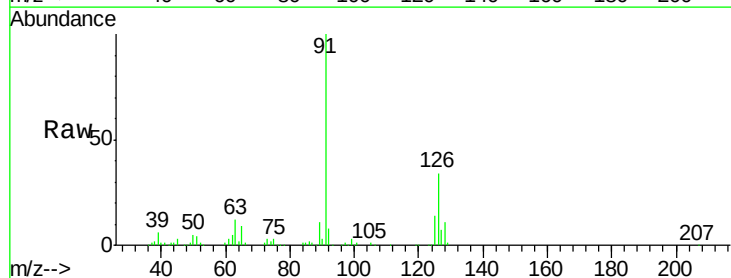
RT: 12.75 min Scan# 3413

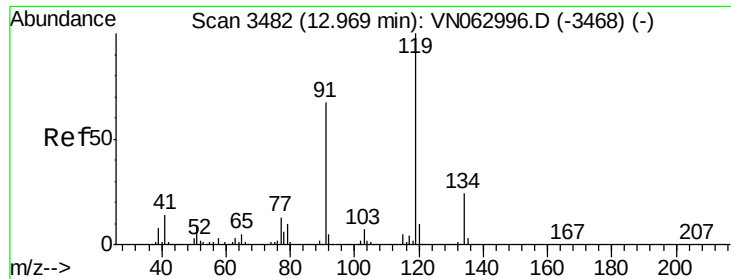
Delta R.T. 0.00 min

Lab File: VN063145.D

Acq: 26 Aug 2020 20:11

Tgt Ion:	91	Resp:	326847
Ion Ratio	Lower	Upper	
91	100		
126	33.9	16.5	49.5





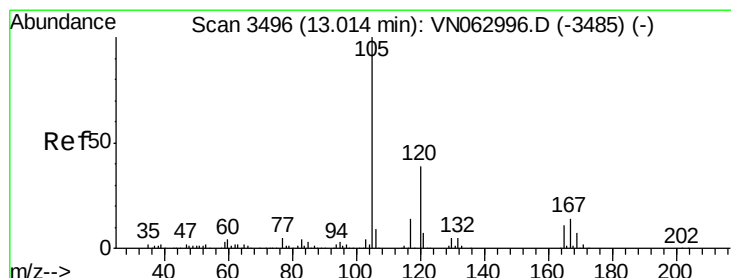
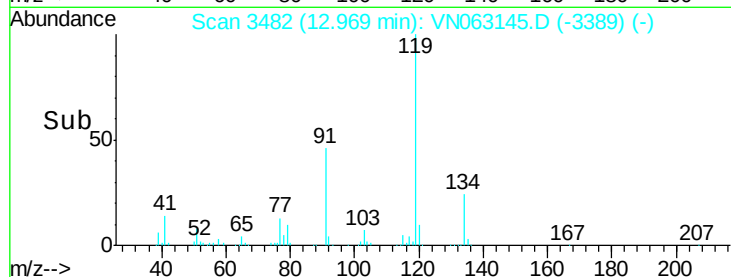
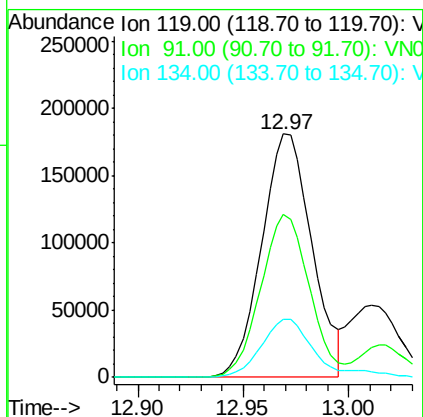
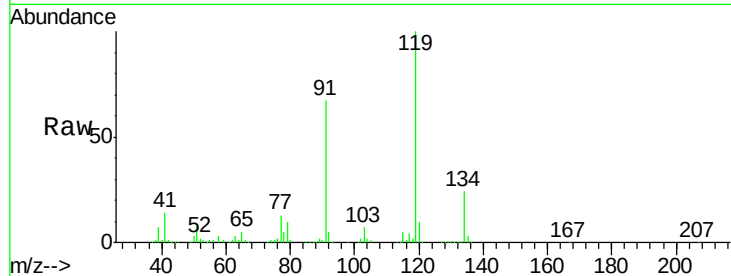
#83
 tert-Butylbenzene
 Concen: 45.485 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. 0.00 min
 Lab File: VN063145.D
 Acq: 26 Aug 2020 20:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.0	32.5	97.4
134	25.6	13.1	39.3

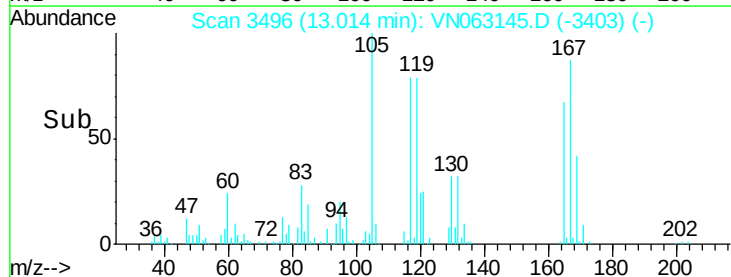
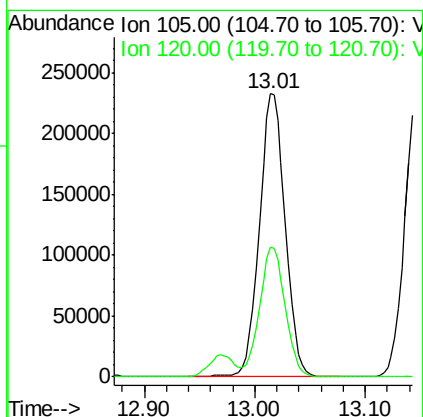
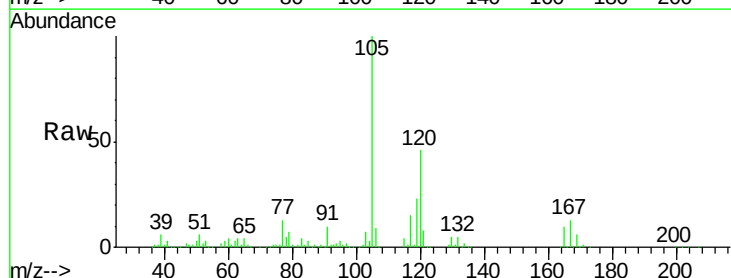
Manual Integrations
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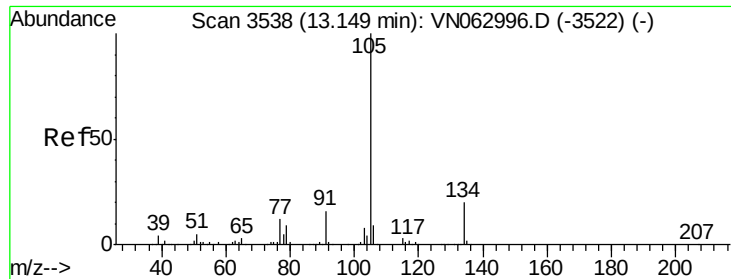
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#84
 1,2,4-Trimethylbenzene
 Concen: 50.461 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. 0.00 min
 Lab File: VN063145.D
 Acq: 26 Aug 2020 20:11

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.3	22.5	67.5





#85

sec-Butylbenzene

Concen: 43.626 ug/l

RT: 13.15 min Scan# 3538

Delta R.T. 0.00 min

Lab File: VN063145.D

Acq: 26 Aug 2020 20:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 389312

Ion Ratio Lower Upper

105 100

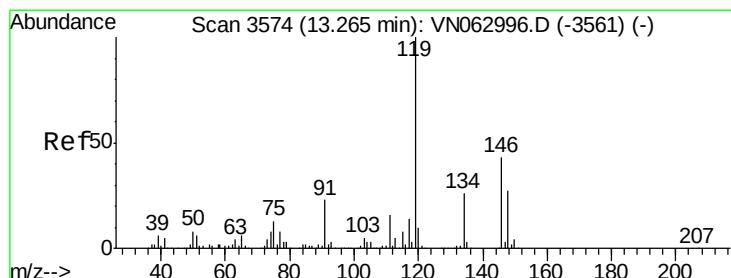
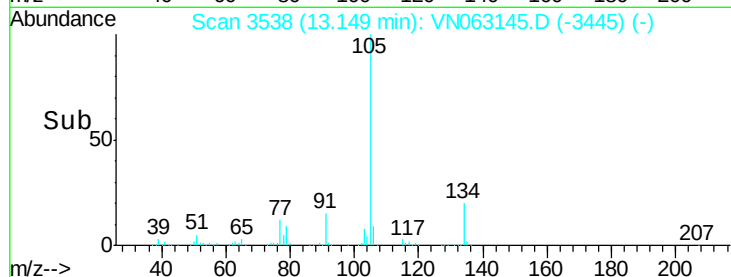
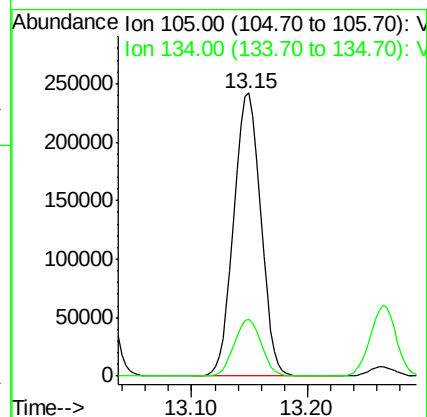
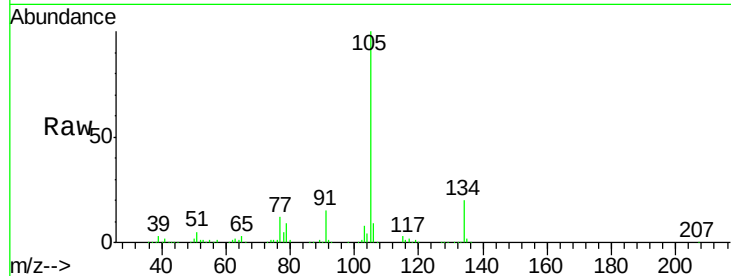
134 20.0 9.8 29.4

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 45.917 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. 0.00 min

Lab File: VN063145.D

Acq: 26 Aug 2020 20:11

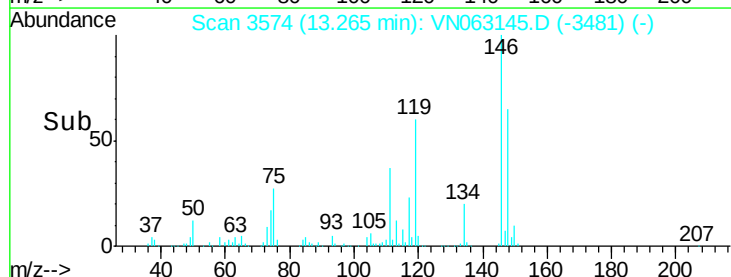
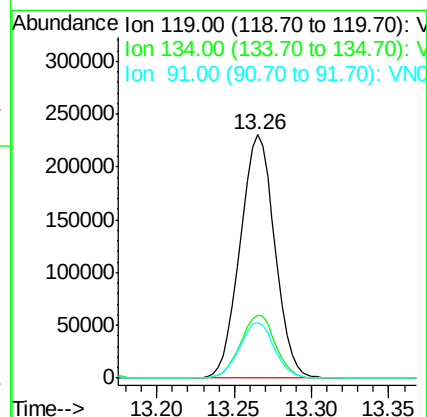
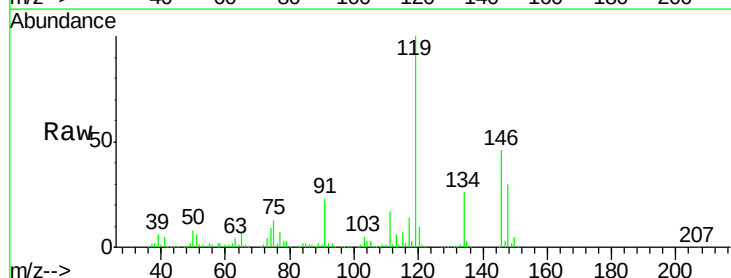
Tgt Ion:119 Resp: 357031

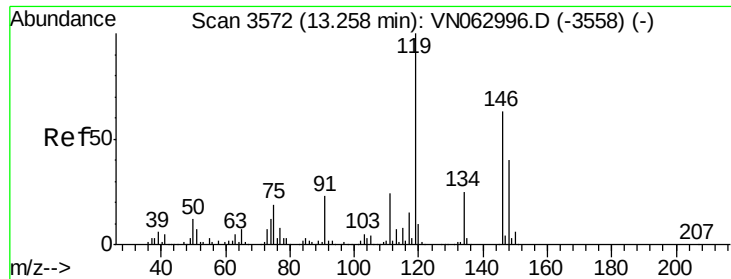
Ion Ratio Lower Upper

119 100

134 26.3 13.1 39.3

91 23.1 11.5 34.4





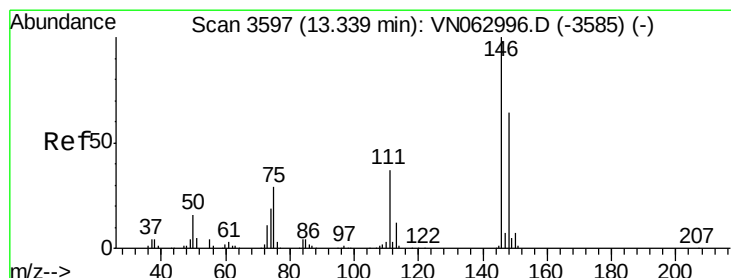
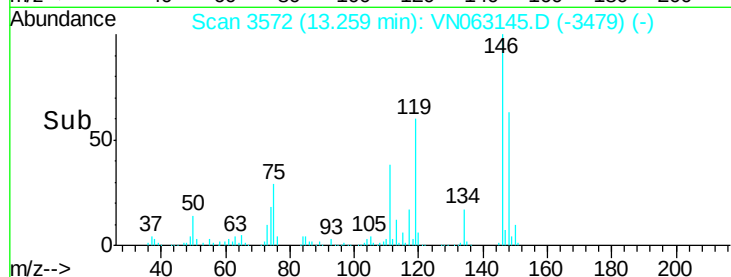
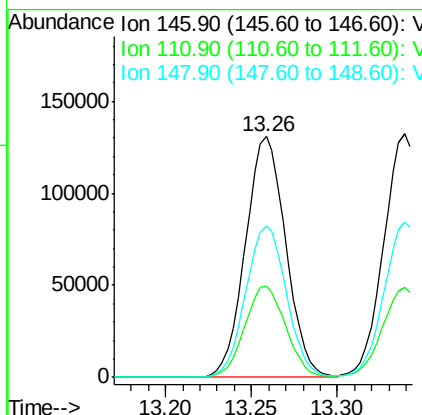
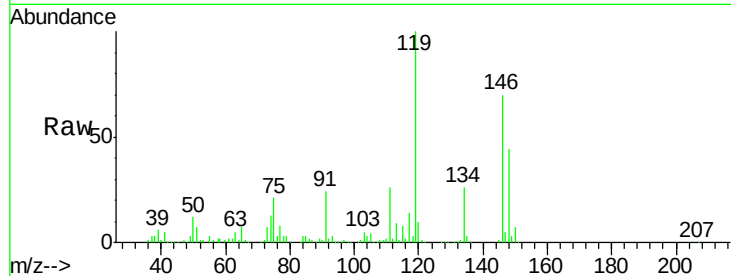
#87
 1,3-Dichlorobenzene
 Concen: 48.760 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN063145.D
 Acq: 26 Aug 2020 20:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.4	58.1
148	63.5	32.0	96.0

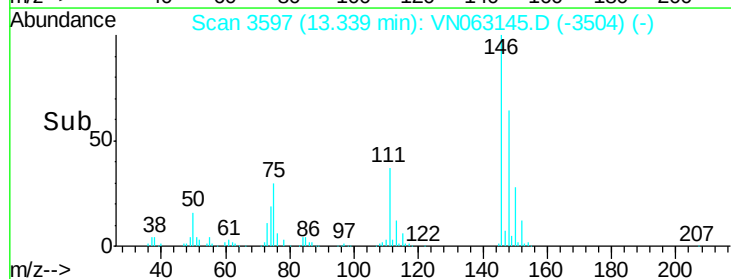
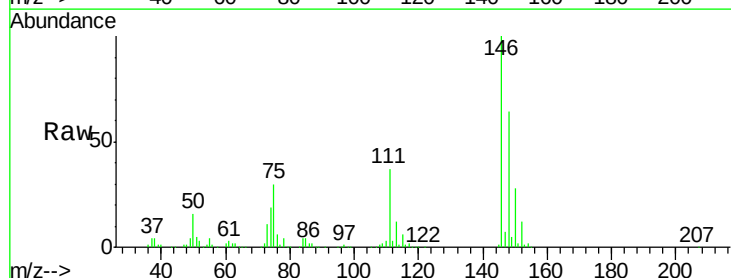
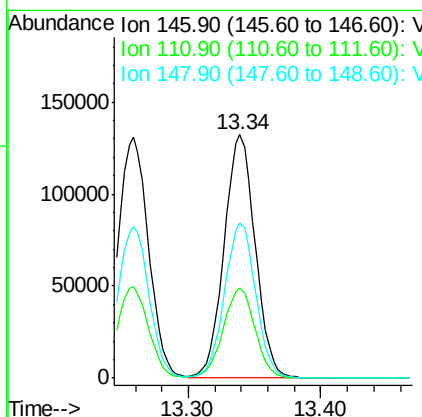
Manual Integrations
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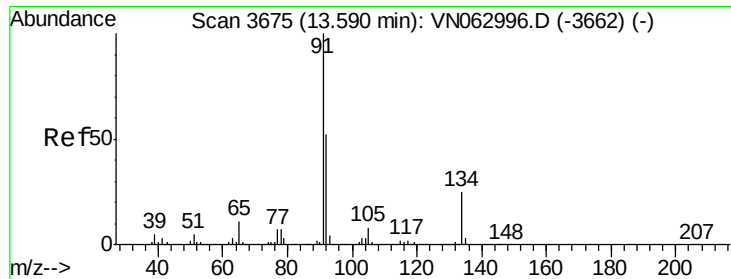
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#88
 1,4-Dichlorobenzene
 Concen: 48.266 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN063145.D
 Acq: 26 Aug 2020 20:11

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.8	56.4
148	64.6	32.4	97.0





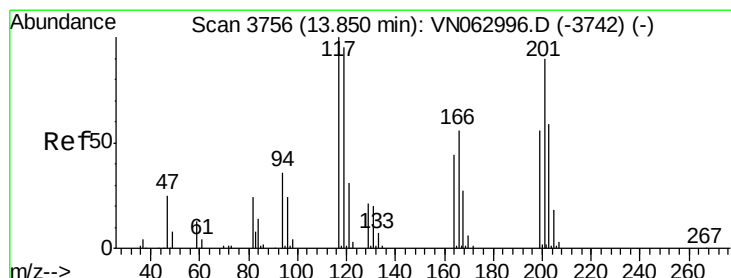
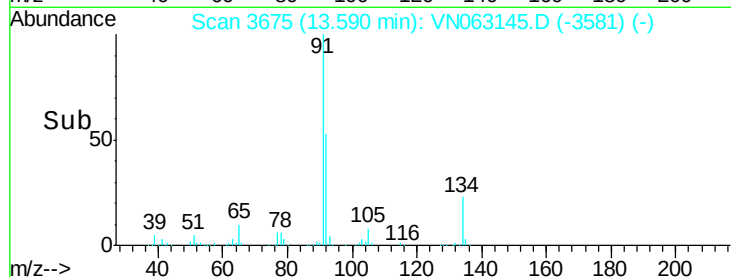
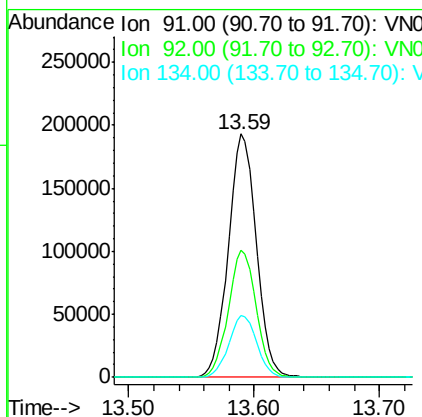
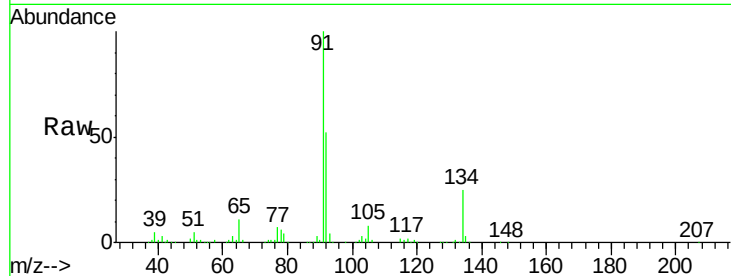
#89
n-Butylbenzene
Concen: 41.170 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. 0.00 min
Lab File: VN063145.D
Acq: 26 Aug 2020 20:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.8	25.9	77.6
134	25.3	12.4	37.0

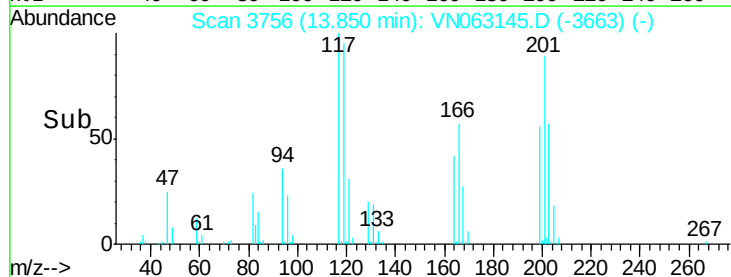
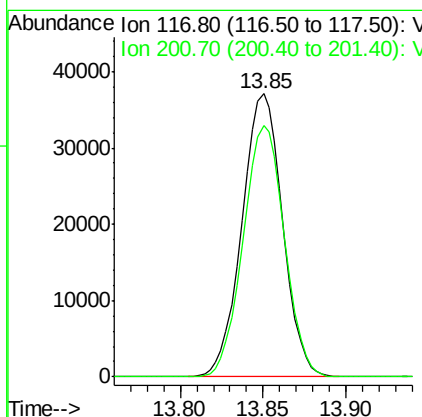
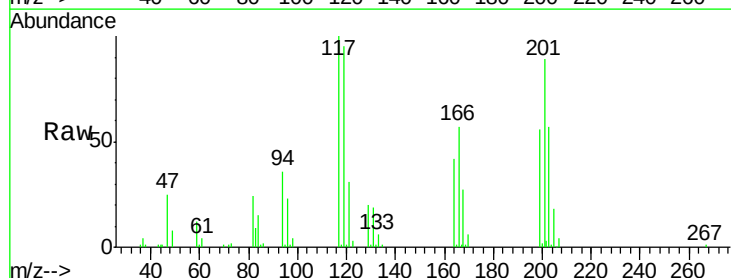
Manual Integrations
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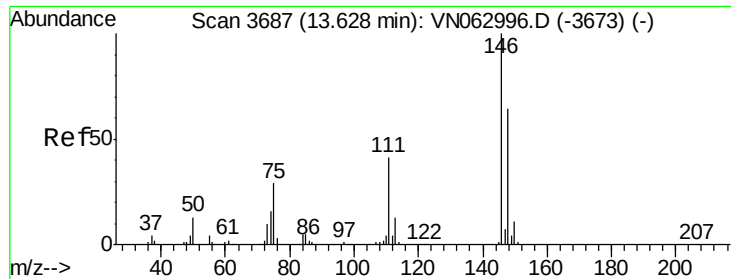
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#90
Hexachloroethane
Concen: 38.344 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. 0.00 min
Lab File: VN063145.D
Acq: 26 Aug 2020 20:11

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.8	44.1	132.4





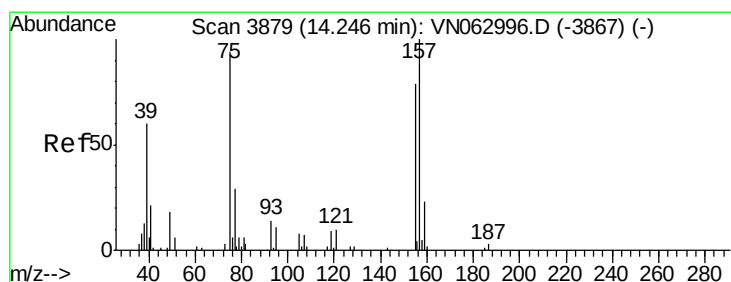
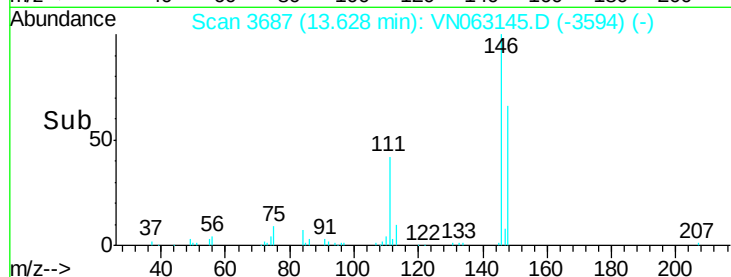
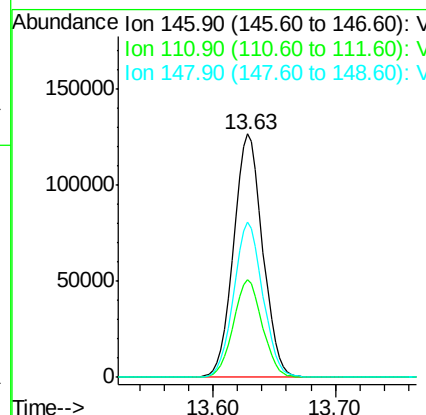
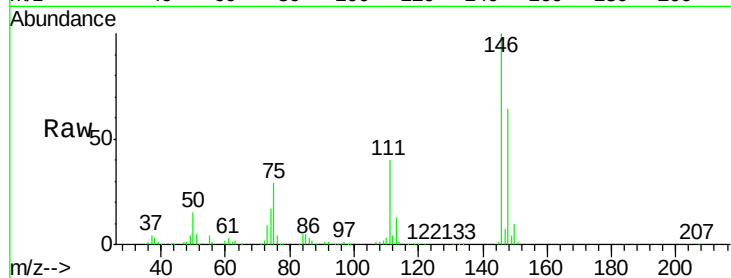
#91
 1,2-Dichlorobenzene
 Concen: 49.909 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. 0.00 min
 Lab File: VN063145.D
 Acq: 26 Aug 2020 20:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.2	60.5
148	63.7	31.9	95.5

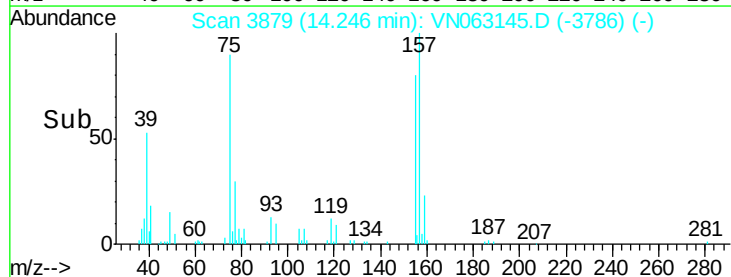
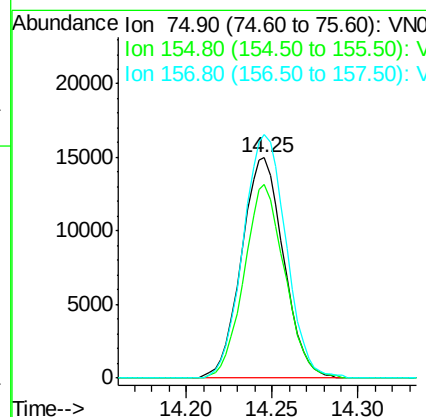
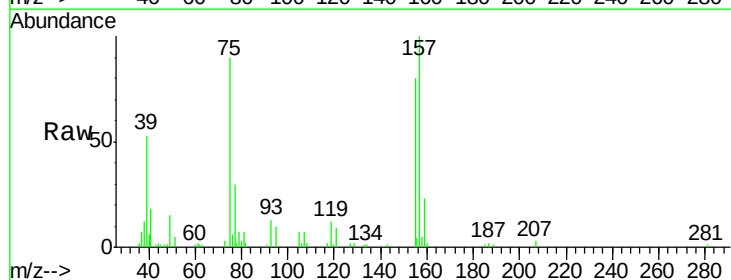
Manual Integrations
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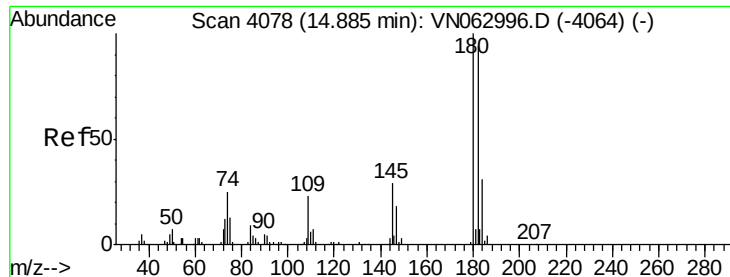
MMDadoda
 8/27/2020 1:28:37 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.628 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. 0.00 min
 Lab File: VN063145.D
 Acq: 26 Aug 2020 20:11

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.6	42.4	127.1
157	112.3	55.2	165.6





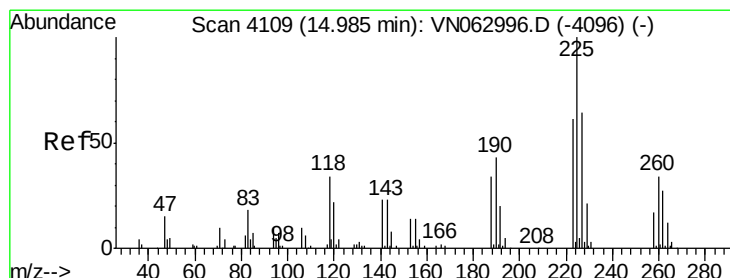
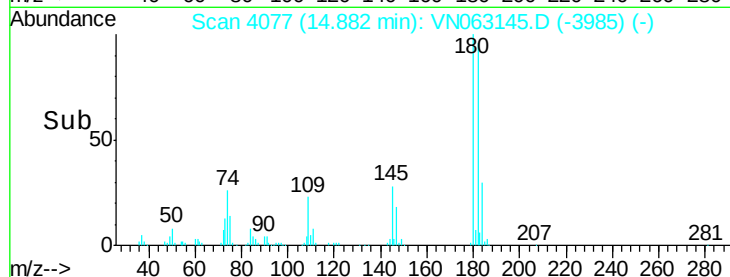
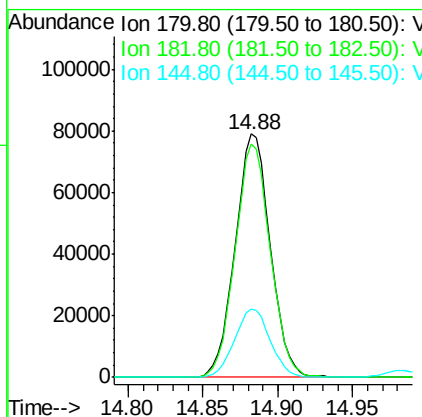
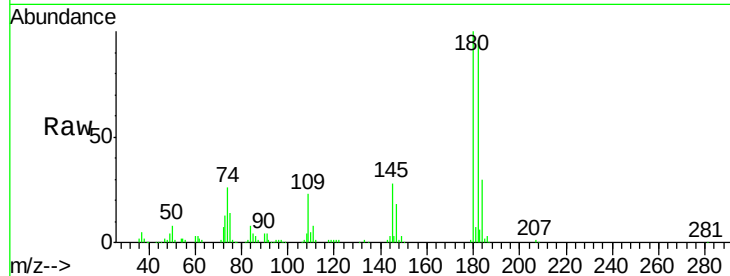
#93
 1,2,4-Trichlorobenzene
 Concen: 54.631 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. -0.00 min
 Lab File: VN063145.D
 Acq: 26 Aug 2020 20:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:180	Resp:	129038
Ion Ratio	Lower	Upper
180 100		
182 96.1	47.0	141.2
145 28.5	14.1	42.4

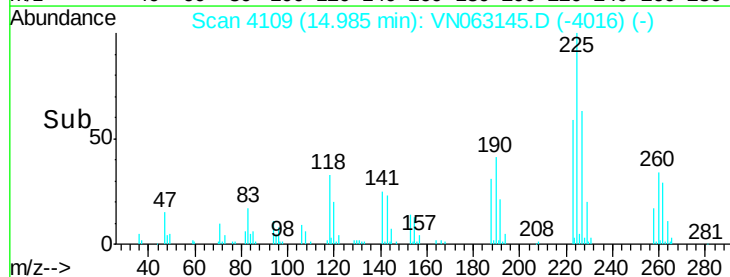
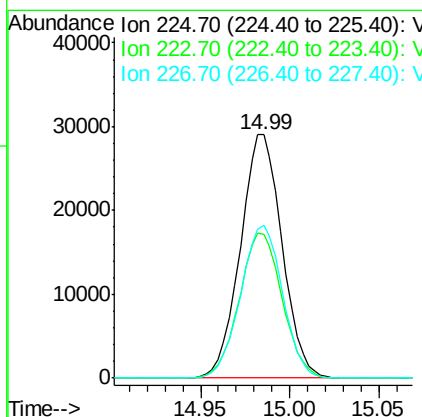
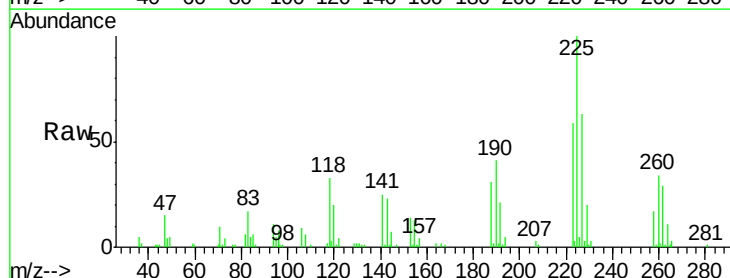
Manual Integrations
 APPROVED

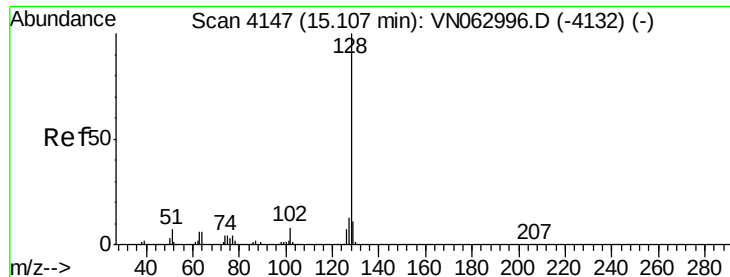
MMDadoda
 8/27/2020 1:28:37 PM



#94
 Hexachlorobutadiene
 Concen: 30.278 ug/l
 RT: 14.99 min Scan# 4109
 Delta R.T. 0.00 min
 Lab File: VN063145.D
 Acq: 26 Aug 2020 20:11

Tgt Ion:225	Resp:	47275
Ion Ratio	Lower	Upper
225 100		
223 61.3	30.9	92.5
227 63.2	31.9	95.9





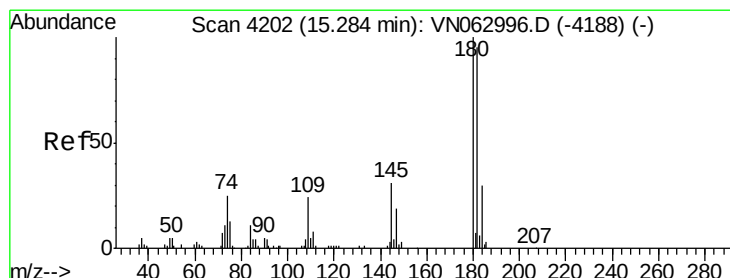
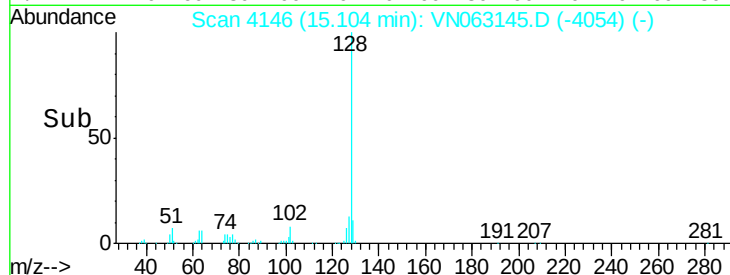
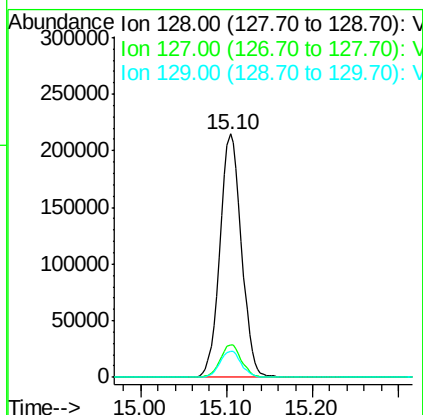
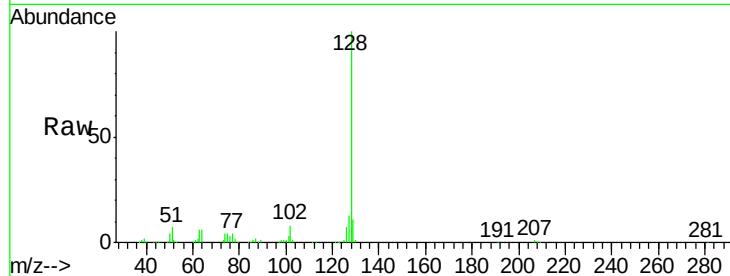
#95
Naphthalene
Concen: 67.053 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. -0.00 min
Lab File: VN063145.D
Acq: 26 Aug 2020 20:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:	128	Resp:	373252
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.6	16.0
129	10.8	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
8/27/2020 1:28:37 PM



#96
1,2,3-Trichlorobenzene
Concen: 55.024 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. 0.00 min
Lab File: VN063145.D
Acq: 26 Aug 2020 20:11

Tgt Ion:	180	Resp:	127328
Ion Ratio	Lower	Upper	
180	100		
182	94.8	47.3	141.9
145	29.8	15.6	46.7

