

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100620\
 Data File : VN063932.D
 Acq On : 7 Oct 2020 7:54
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/7/2020 12:12:26 PM

Quant Time: Oct 07 08:16:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 01:46:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	257515	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	433092	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	411326	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	201819	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	219932	51.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.40%	
35) Dibromofluoromethane	7.55	113	152172	50.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.28%	
50) Toluene-d8	10.06	98	551814	48.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.88%	
62) 4-Bromofluorobenzene	12.38	95	208036	48.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	125776	46.289	ug/l	97
3) Chloromethane	2.04	50	150959	47.348	ug/l	99
4) Vinyl Chloride	2.16	62	146941	45.914	ug/l	100
5) Bromomethane	2.52	94	89250	44.336	ug/l	100
6) Chloroethane	2.67	64	100214	52.403	ug/l	100
7) Trichlorofluoromethane	2.98	101	243206	47.915	ug/l	95
8) Diethyl Ether	3.38	74	87075	50.725	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.72	101	122561	45.177	ug/l	98
10) Methyl Iodide	3.91	142	160091	50.823	ug/l	100
11) Tert butyl alcohol	4.73	59	132839	282.822	ug/l	99
12) 1,1-Dichloroethene	3.70	96	125035	48.218	ug/l	98
13) Acrolein	3.57	56	138558	480.653	ug/l	100
14) Allyl chloride	4.28	41	224257	46.550	ug/l	99
15) Acrylonitrile	4.93	53	377978	281.137	ug/l	100
16) Acetone	3.77	43	360426	275.214	ug/l	98
17) Carbon Disulfide	4.01	76	333168	47.571	ug/l	99
18) Methyl Acetate	4.27	43	197938	58.212	ug/l	98
19) Methyl tert-butyl Ether	4.99	73	498653	52.930	ug/l	100
20) Methylene Chloride	4.51	84	155766	51.924	ug/l	99
21) trans-1,2-Dichloroethene	4.99	96	142207	48.960	ug/l	98
22) Diisopropyl ether	5.90	45	559256	56.424	ug/l	98
23) Vinyl Acetate	5.84	43	2280525	277.757	ug/l	99
24) 1,1-Dichloroethane	5.80	63	294900	52.036	ug/l	99
25) 2-Butanone	6.78	43	543432	292.684	ug/l	99
26) 2,2-Dichloropropane	6.78	77	173563	33.442	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	166685	49.898	ug/l	96
28) Bromochloromethane	7.15	49	152957	54.607	ug/l	100
29) Tetrahydrofuran	7.16	42	362550	291.138	ug/l	97
30) Chloroform	7.33	83	308719	52.244	ug/l	96
31) Cyclohexane	7.61	56	220410	44.626	ug/l	96
32) 1,1,1-Trichloroethane	7.53	97	279490	52.438	ug/l	99
36) 1,1-Dichloropropene	7.75	75	209501	47.748	ug/l	99
37) Ethyl Acetate	6.88	43	230436	52.862	ug/l	99
38) Carbon Tetrachloride	7.74	117	235713	47.909	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	180103	41.162	ug/l	99
40) Benzene	8.00	78	626203	49.968	ug/l	98
41) Methacrylonitrile	7.13	41	113160	58.408	ug/l	95
42) 1,2-Dichloroethane	8.09	62	276361	51.661	ug/l	98
43) Isopropyl Acetate	8.13	43	392729	54.619	ug/l	99
44) Trichloroethene	8.80	130	156852	47.768	ug/l	100
45) 1,2-Dichloropropane	9.08	63	175243	51.777	ug/l	98
46) Dibromomethane	9.17	93	115719	49.562	ug/l	98
47) Bromodichloromethane	9.37	83	254358	52.859	ug/l	99
48) Methyl methacrylate	9.16	41	204287	57.506	ug/l	91
49) 1,4-Dioxane	9.16	88	52914	1048.047	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	1218898	288.867	ug/l	99
52) Toluene	10.13	92	397813	51.320	ug/l	97
53) t-1,3-Dichloropropene	10.35	75	250419	48.548	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	262839	48.724	ug/l	100
55) 1,1,2-Trichloroethane	10.53	97	159913	51.441	ug/l	99
56) Ethyl methacrylate	10.40	69	240776	54.642	ug/l	95
57) 1,3-Dichloropropane	10.68	76	280198	53.277	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.66	63	651738	276.508	ug/l	99
59) 2-Hexanone	10.72	43	886911	282.945	ug/l	99
60) Dibromochloromethane	10.87	129	188840	52.161	ug/l	100
61) 1,2-Dibromoethane	10.98	107	165877	52.164	ug/l	98
64) Tetrachloroethene	10.60	164	148231	46.580	ug/l	99
65) Chlorobenzene	11.41	112	419884	49.764	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	167502	51.782	ug/l	98
67) Ethyl Benzene	11.48	91	761637	49.607	ug/l	98
68) m/p-Xylenes	11.60	106	558943	97.681	ug/l	98
69) o-Xylene	11.92	106	271220	50.711	ug/l	98
70) Styrene	11.94	104	470638	51.840	ug/l	99
71) Bromoform	12.10	173	129925	52.517	ug/l #	98
73) Isopropylbenzene	12.23	105	707955	48.093	ug/l	99
74) N-amyl acetate	12.05	43	348574	50.905	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	233760	51.930	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	216535m	48.672	ug/l	
77) Bromobenzene	12.50	156	180938	50.093	ug/l	99
78) n-propylbenzene	12.57	91	805231	47.002	ug/l	100
79) 2-Chlorotoluene	12.65	91	508329	48.245	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	605142	49.000	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.28	75	67498	43.697	ug/l	93
82) 4-Chlorotoluene	12.75	91	542241	49.575	ug/l	100
83) tert-Butylbenzene	12.97	119	482127	47.727	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	611244	49.573	ug/l	99
85) sec-Butylbenzene	13.15	105	622769	46.937	ug/l	99
86) p-Isopropyltoluene	13.26	119	551905	47.020	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	318942	48.808	ug/l	98
88) 1,4-Dichlorobenzene	13.34	146	322352	47.377	ug/l	99
89) n-Butylbenzene	13.59	91	453385	41.850	ug/l	99
90) Hexachloroethane	13.85	117	108289	47.610	ug/l	94
91) 1,2-Dichlorobenzene	13.63	146	325413	50.277	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.24	75	53050	50.253	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	151687	43.339	ug/l	98
94) Hexachlorobutadiene	14.98	225	80807	46.051	ug/l	99
95) Naphthalene	15.10	128	474009	43.777	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	151887	44.668	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063932.D

Acq: 7 Oct 2020 7:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 257515

Ion Ratio Lower Upper

168 100

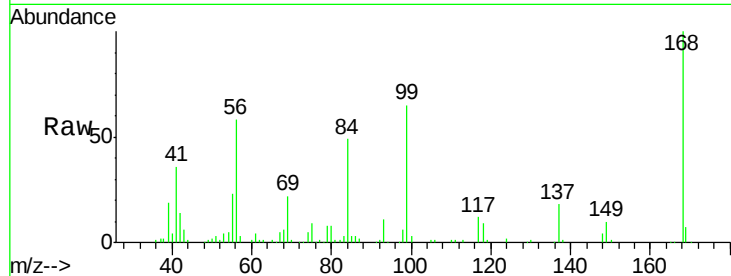
99 64.2 51.8 77.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

120000

100000

80000

60000

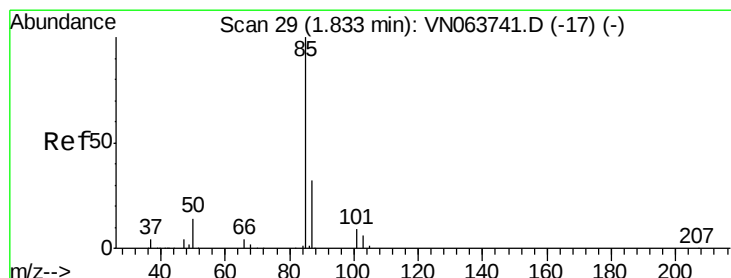
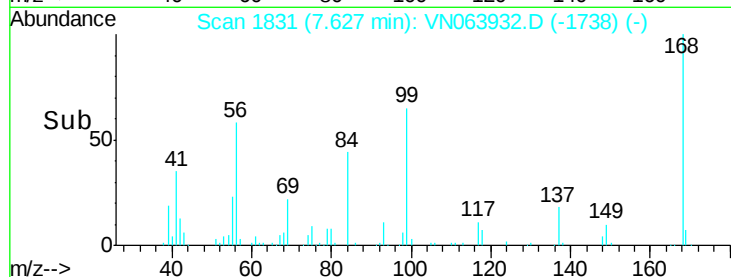
40000

20000

0

7.50 7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 46.289 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN063932.D

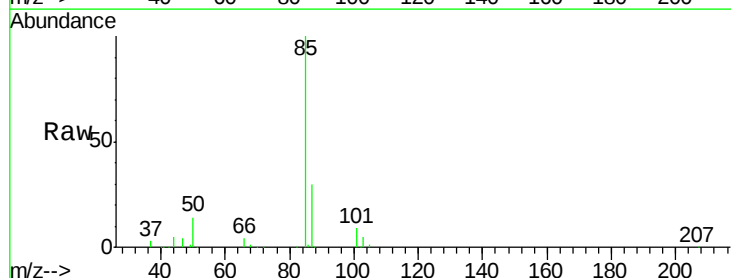
Acq: 7 Oct 2020 7:54

Tgt Ion: 85 Resp: 125776

Ion Ratio Lower Upper

85 100

87 30.2 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

100000

80000

60000

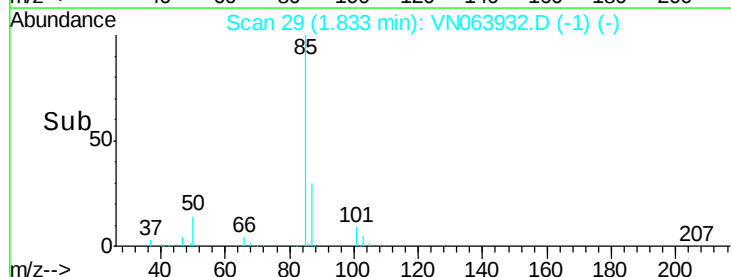
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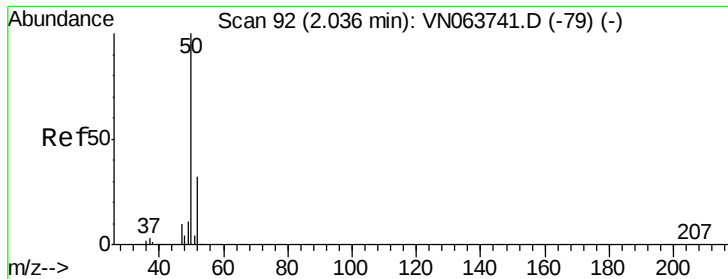
20000

0

1.75 1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 47.348 ug/l

RT: 2.04 min Scan# 92

Delta R.T. 0.00 min

Lab File: VN063932.D

Acq: 7 Oct 2020 7:54

Instrument :

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ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 150959

Ion Ratio Lower Upper

50 100

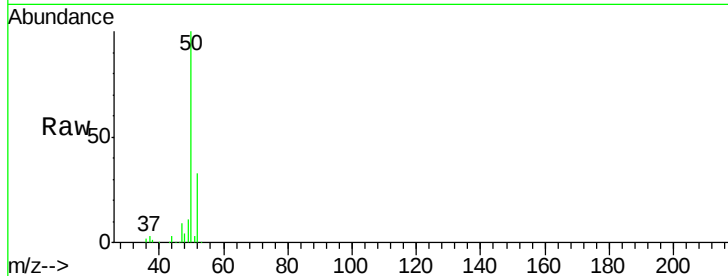
52 32.8 25.8 38.8

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

120000

100000

80000

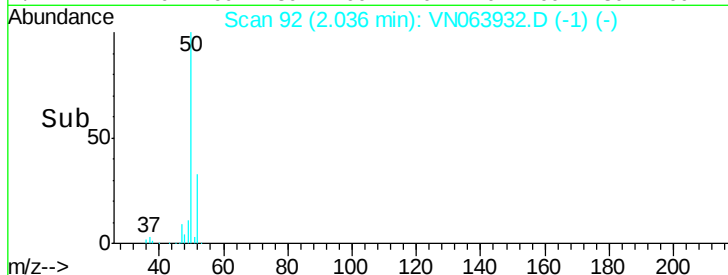
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40000

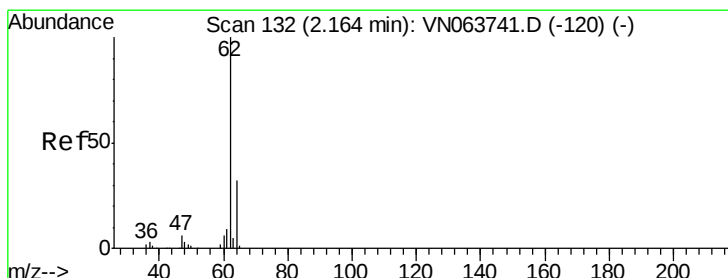
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0

Time-->



Time-->



#4

Vinyl Chloride

Concen: 45.914 ug/l

RT: 2.16 min Scan# 132

Delta R.T. 0.00 min

Lab File: VN063932.D

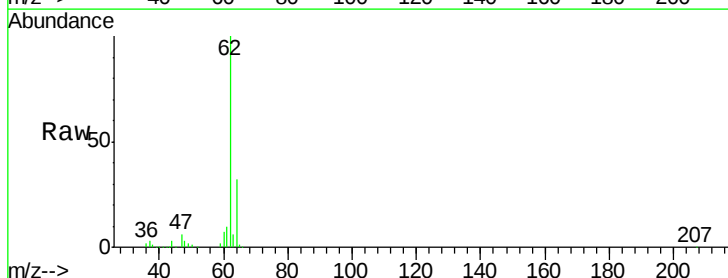
Acq: 7 Oct 2020 7:54

Tgt Ion: 62 Resp: 146941

Ion Ratio Lower Upper

62 100

64 31.9 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

100000

80000

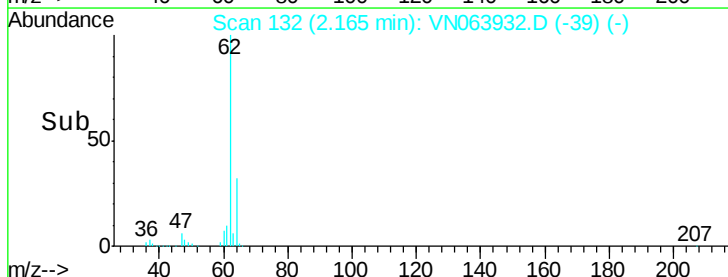
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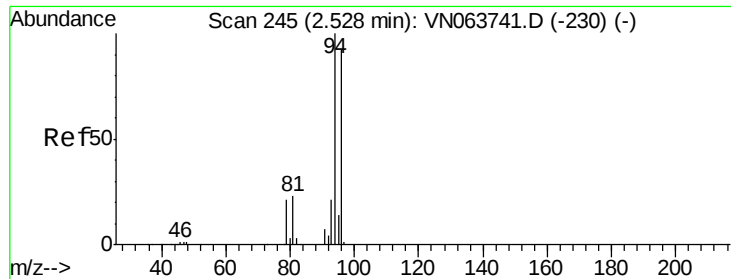
40000

20000

0

Time-->





#5

Bromomethane

Concen: 44.336 ug/l

RT: 2.52 min Scan# 244

Delta R.T. -0.00 min

Lab File: VN063932.D

Acq: 7 Oct 2020 7:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 89250

Ion Ratio Lower Upper

94 100

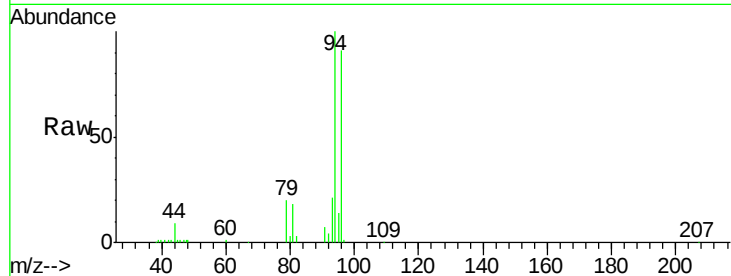
96 91.2 73.3 109.9

Manual Integrations

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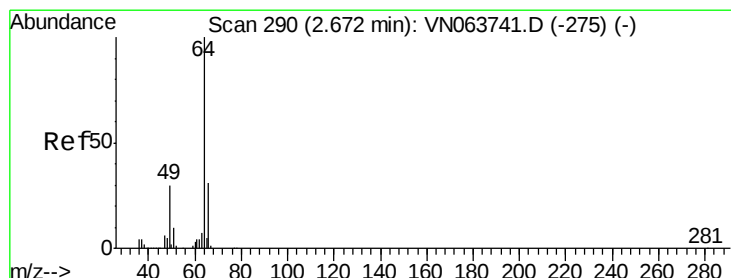
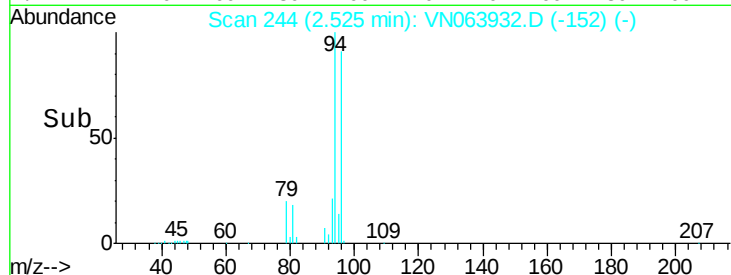


Abundance Ion 93.90 (93.60 to 94.60): VN063741.D (-230) (-)

Ion 95.90 (95.60 to 96.60): VN063741.D (-230) (-)

2.52

Time-->



#6

Chloroethane

Concen: 52.403 ug/l

RT: 2.67 min Scan# 289

Delta R.T. -0.00 min

Lab File: VN063932.D

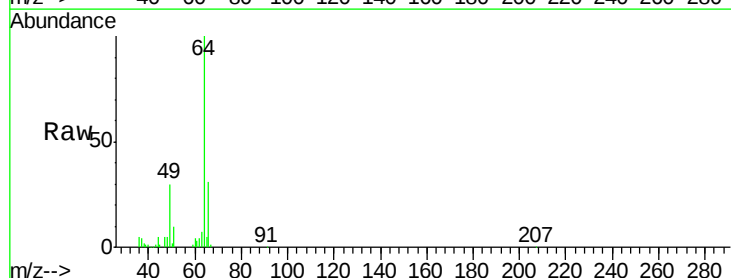
Acq: 7 Oct 2020 7:54

Tgt Ion: 64 Resp: 100214

Ion Ratio Lower Upper

64 100

66 31.3 25.1 37.7

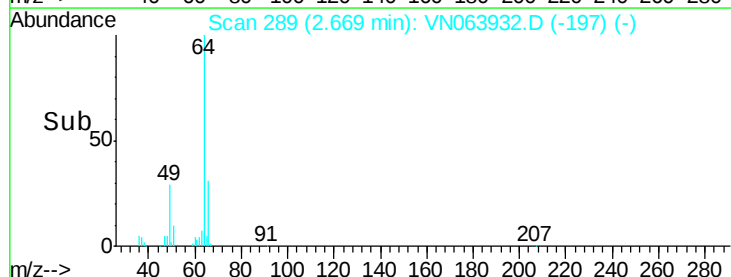


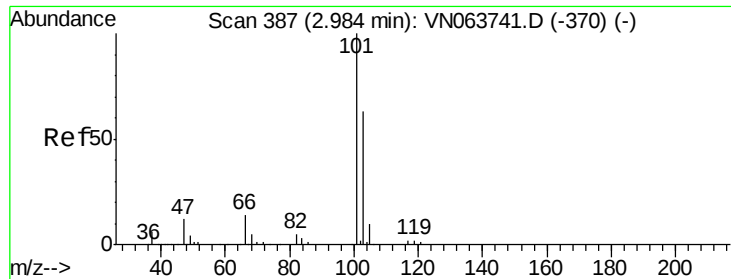
Abundance Ion 63.90 (63.60 to 64.60): VN063741.D (-275) (-)

Ion 65.90 (65.60 to 66.60): VN063741.D (-275) (-)

2.67

Time-->





#7

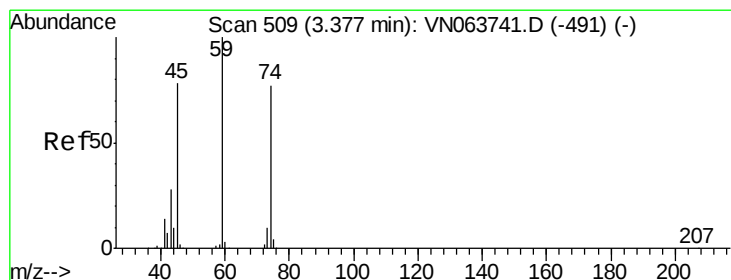
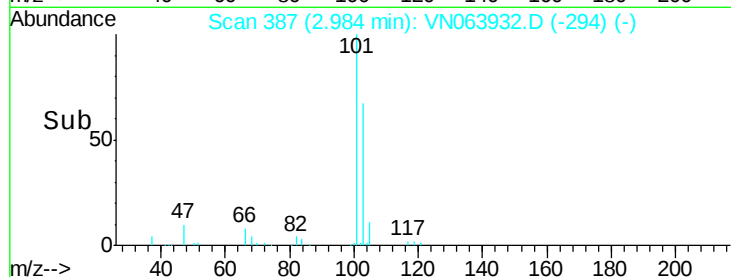
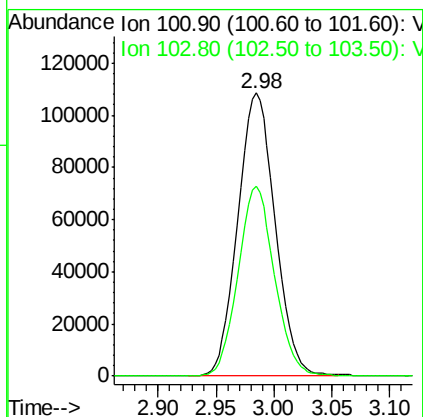
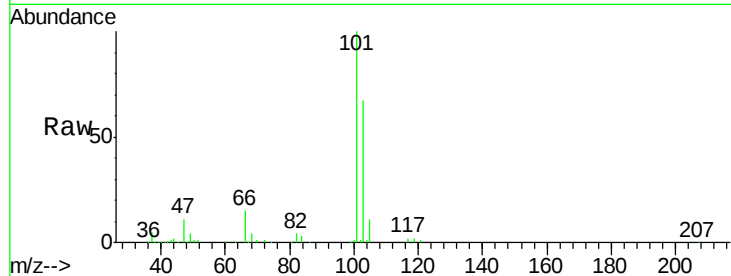
Trichlorofluoromethane
Concen: 47.915 ug/l
RT: 2.98 min Scan# 387
Delta R.T. 0.00 min
Lab File: VN063932.D
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Tot Ion	Ion	Ratio	Lower	Upper
243206	101	100		
	103	67.3	50.7	76.1

Manual Integrations
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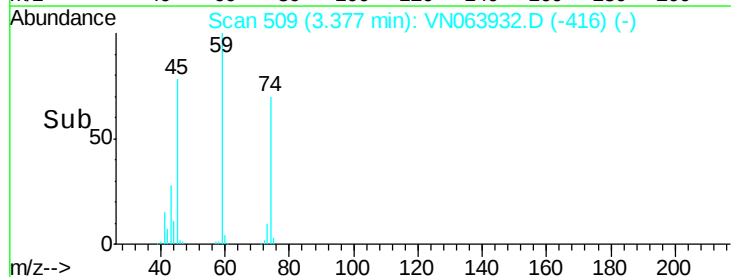
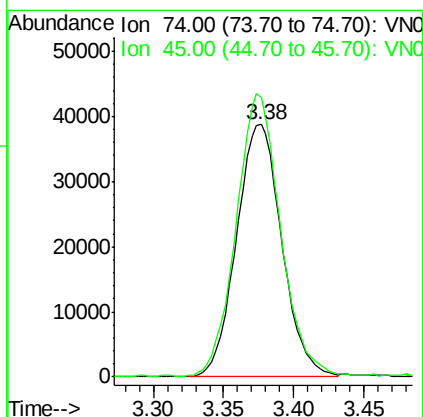
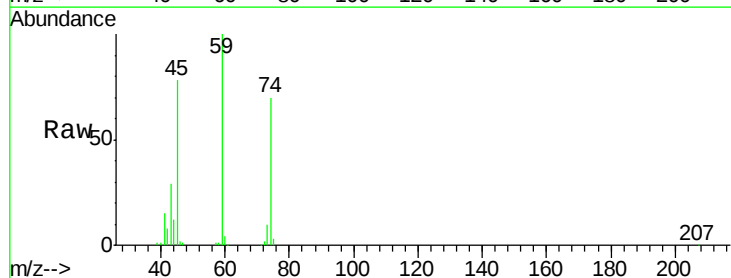
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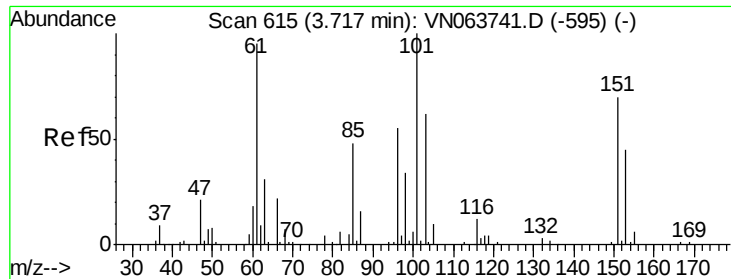


#8

Diethyl Ether
Concen: 50.725 ug/l
RT: 3.38 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN063932.D
Acq: 7 Oct 2020 7:54

Tgt Ion	Ion	Ratio	Lower	Upper
87075	74	100		
	45	110.5	50.9	152.8





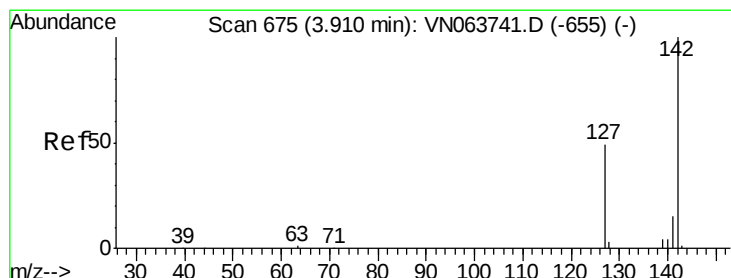
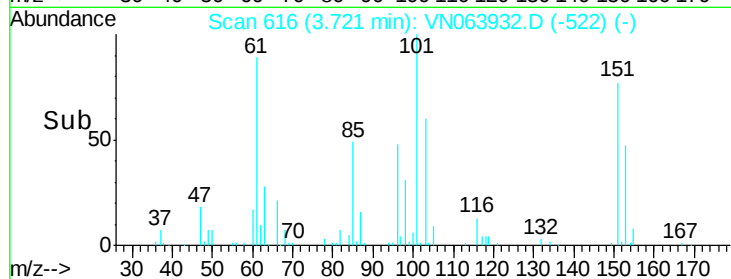
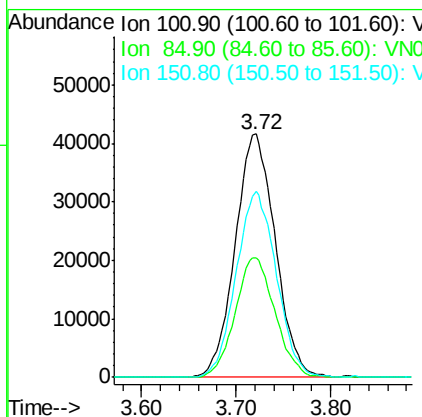
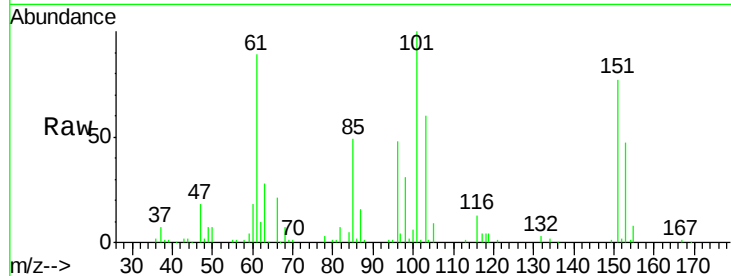
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 45.177 ug/l
 RT: 3.72 min Scan# 616
 Delta R.T. 0.00 min
 Lab File: VN063932.D
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	122561		
85	48.7	38.6	58.0	
151	76.5	58.7	88.1	

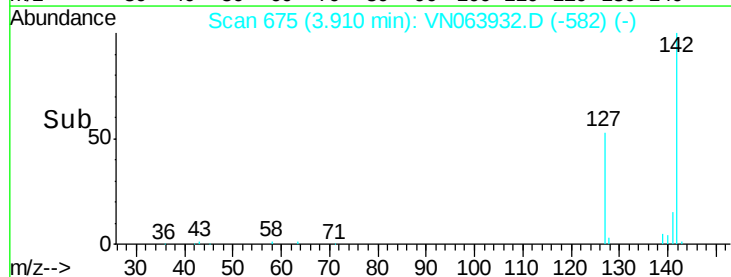
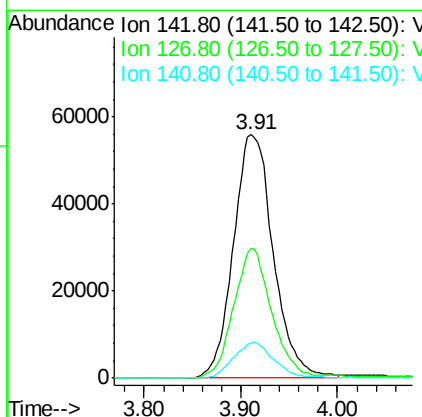
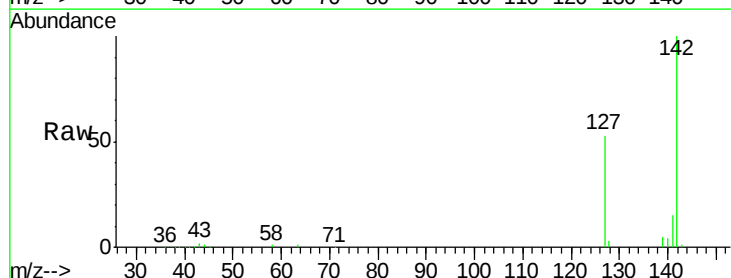
Manual Integrations
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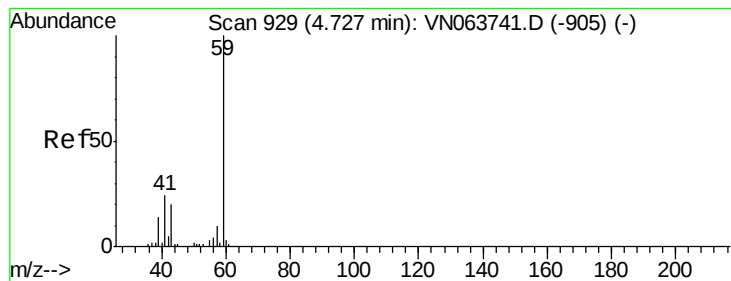
MMDadoda
 10/7/2020 12:12:26 PM



#10
 Methyl Iodide
 Concen: 50.823 ug/l
 RT: 3.91 min Scan# 675
 Delta R.T. 0.00 min
 Lab File: VN063932.D
 Acq: 7 Oct 2020 7:54

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	160091		
127	50.6	40.5	60.7	
141	14.8	11.7	17.5	





#11

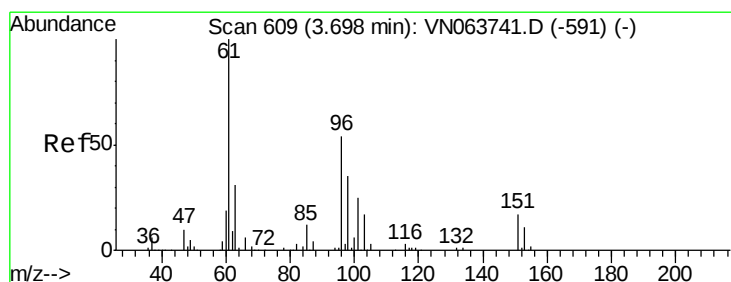
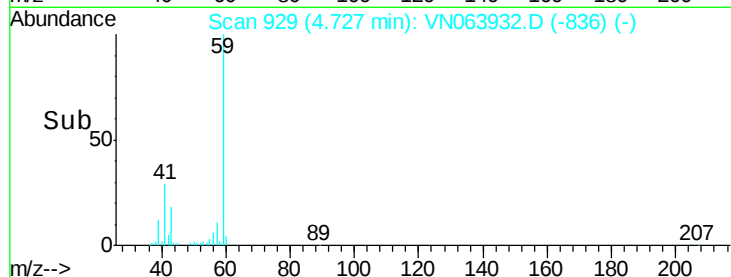
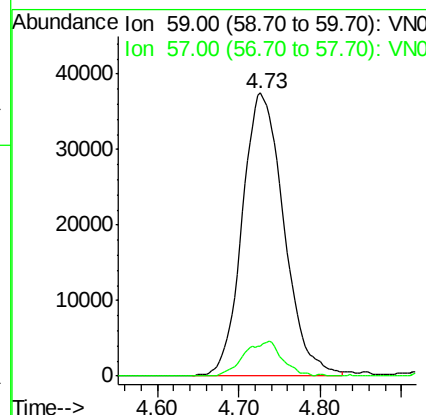
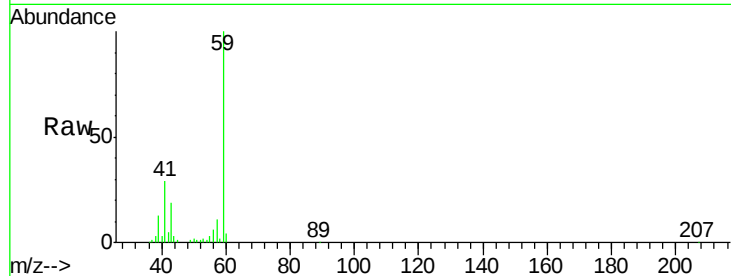
Tert butyl alcohol
Concen: 282.822 ug/l
RT: 4.73 min Scan# 929
Delta R.T. 0.00 min
Lab File: VN063932.D
Acq: 7 Oct 2020 7:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	57	Ratio	100	11.2	Resp	132839	Lower	8.7	Upper	13.1
Ion	59	57	Ratio	100	11.2	Resp	132839	Lower	8.7	Upper	13.1

Manual Integrations
APPROVED

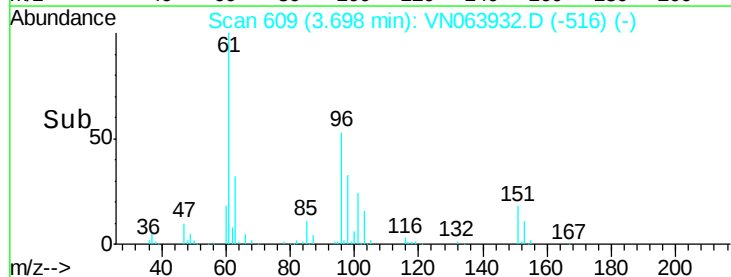
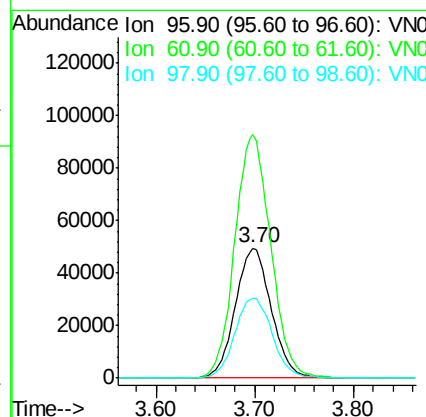
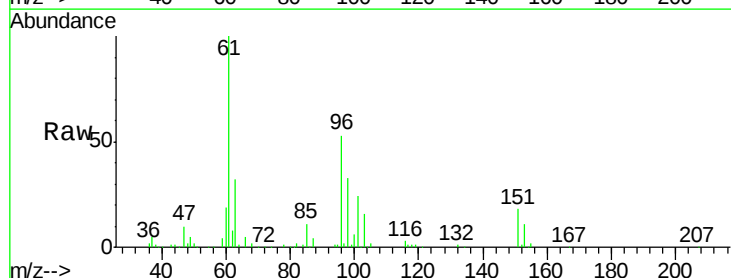
MMDadoda
10/7/2020 12:12:26 PM

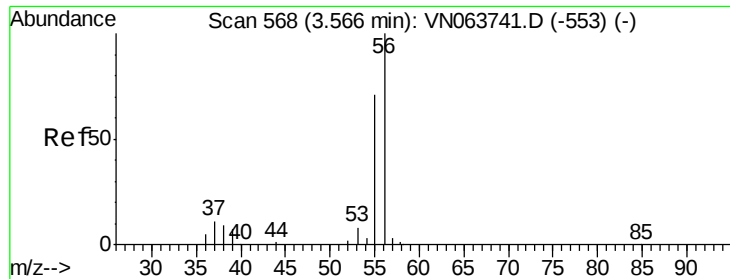


#12

1,1-Dichloroethene
Concen: 48.218 ug/l
RT: 3.70 min Scan# 609
Delta R.T. 0.00 min
Lab File: VN063932.D
Acq: 7 Oct 2020 7:54

Tgt Ion	96	61	98	Ratio	100	187.3	61.6	Resp	125035	Lower	147.7	51.9	Upper	221.5	77.9
Ion	96	61	98	Ratio	100	187.3	61.6	Resp	125035	Lower	147.7	51.9	Upper	221.5	77.9





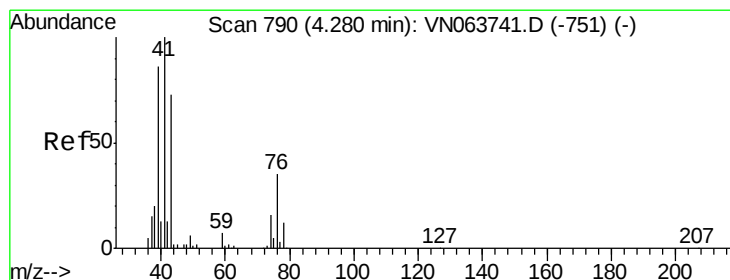
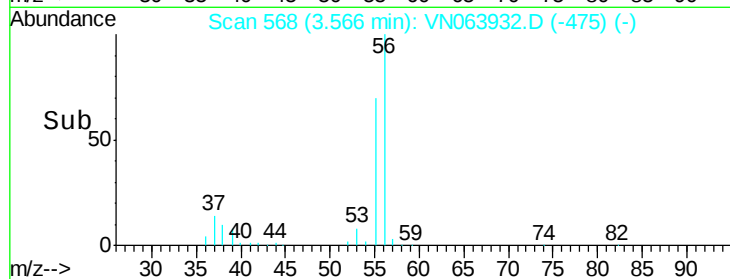
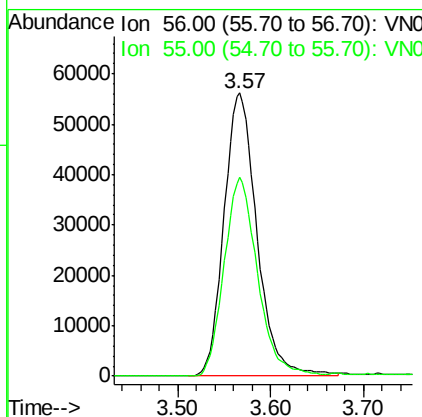
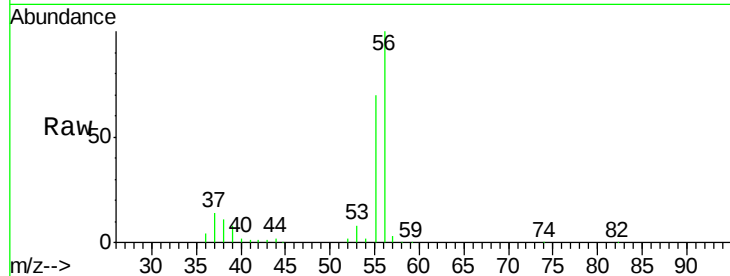
#13
Acrolein
Concen: 480.653 ug/l
RT: 3.57 min Scan# 568
Delta R.T. 0.00 min
Lab File: VN063932.D
Acq: 7 Oct 2020 7:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
55	71.2	56.9	85.3

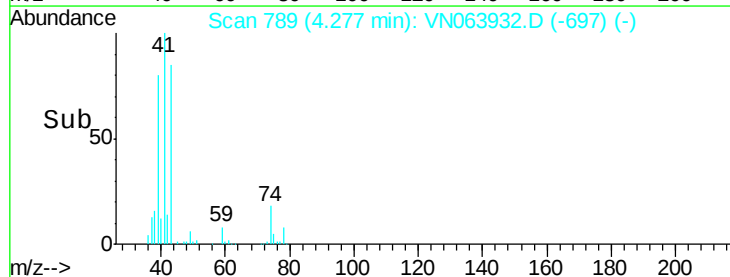
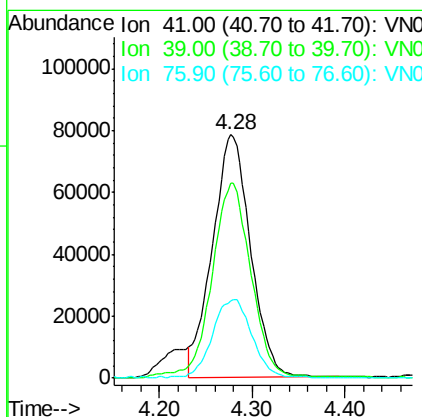
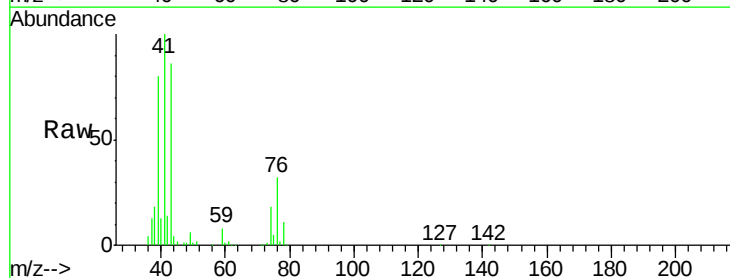
Manual Integrations
APPROVED

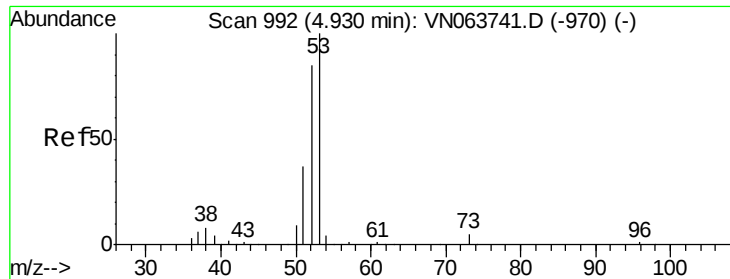
MMDadoda
10/7/2020 12:12:26 PM



#14
Allyl chloride
Concen: 46.550 ug/l
RT: 4.28 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN063932.D
Acq: 7 Oct 2020 7:54

Tgt Ion	Ratio	Lower	Upper
41	100		
39	81.4	64.5	96.7
76	32.2	25.9	38.9





#15

Acrylonitrile

Concen: 281.137 ug/l

RT: 4.93 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN063932.D

Acq: 7 Oct 2020 7:54

Instrument :

MSVOA_N

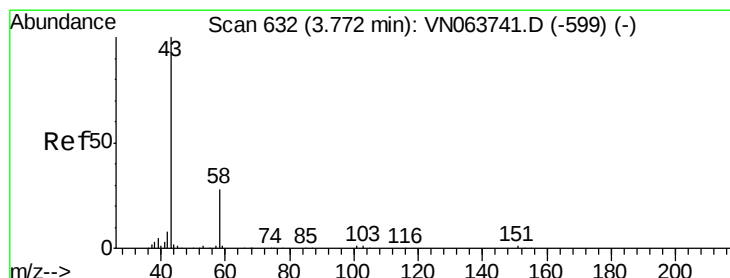
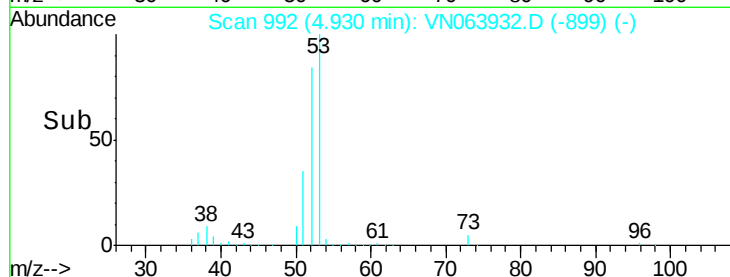
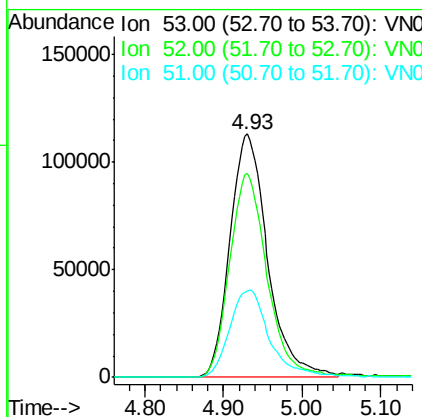
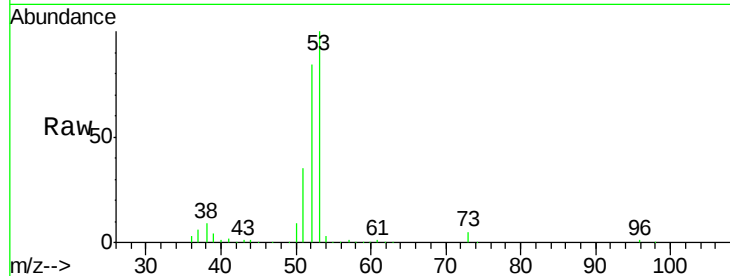
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	377978
Ion	Ratio	Lower	Upper
53	100		
52	83.0	66.5	99.7
51	38.1	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 275.214 ug/l

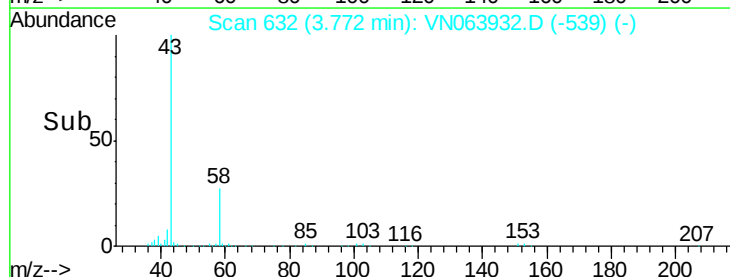
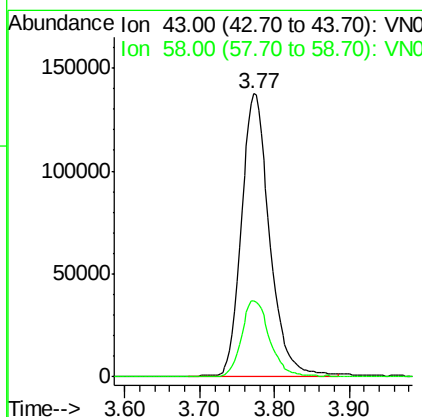
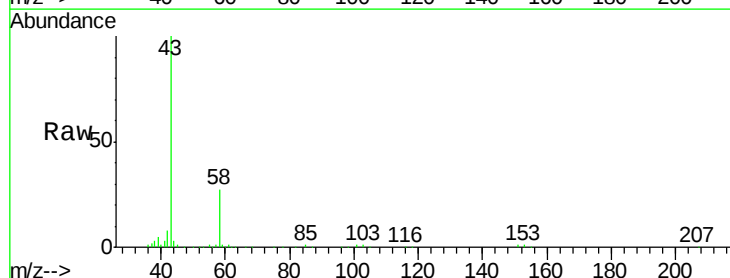
RT: 3.77 min Scan# 632

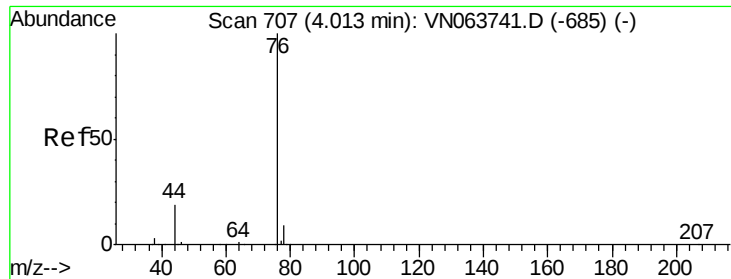
Delta R.T. 0.00 min

Lab File: VN063932.D

Acq: 7 Oct 2020 7:54

Tgt Ion:	43	Resp:	360426
Ion	Ratio	Lower	Upper
43	100		
58	27.0	22.3	33.5





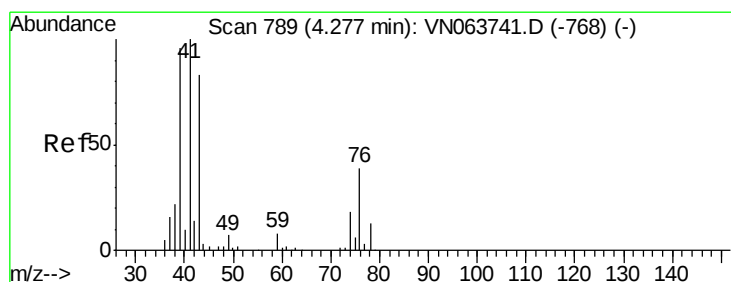
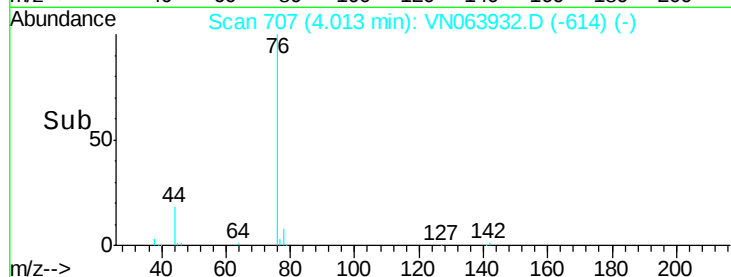
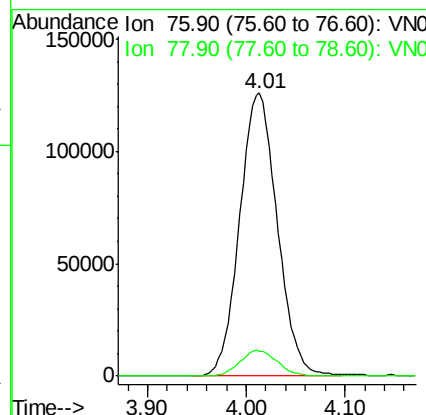
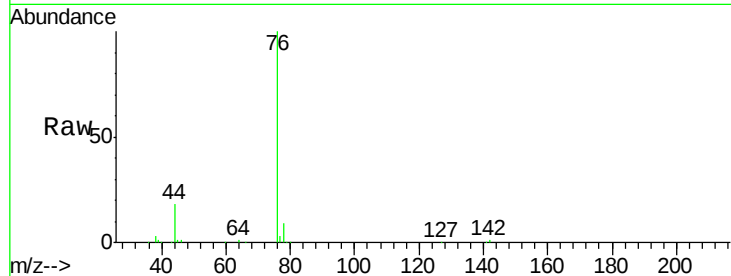
#17
Carbon Disulfide
Concen: 47.571 ug/l
RT: 4.01 min Scan# 707
Delta R.T. 0.00 min
Lab File: VN063932.D
Acq: 7 Oct 2020 7:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.0	10.4

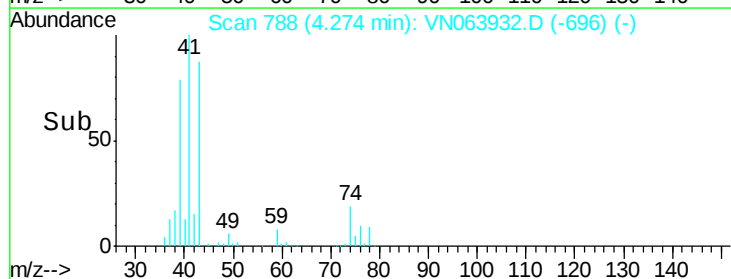
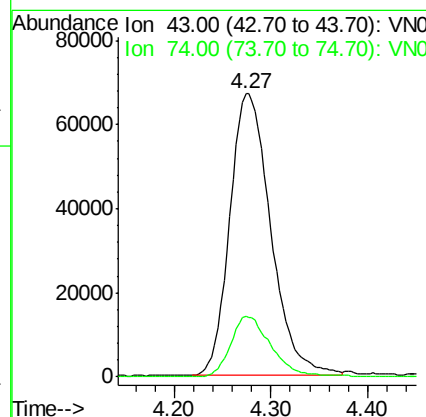
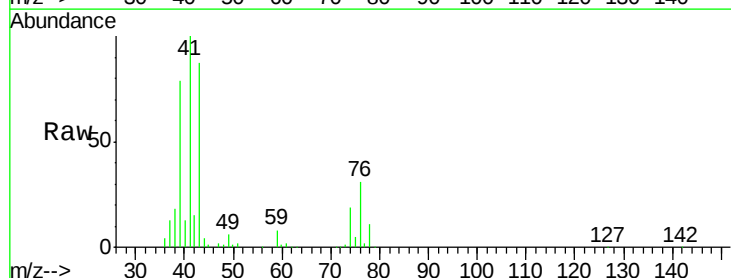
Manual Integrations
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#18
Methyl Acetate
Concen: 58.212 ug/l
RT: 4.27 min Scan# 788
Delta R.T. -0.00 min
Lab File: VN063932.D
Acq: 7 Oct 2020 7:54

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.0	17.4	26.2





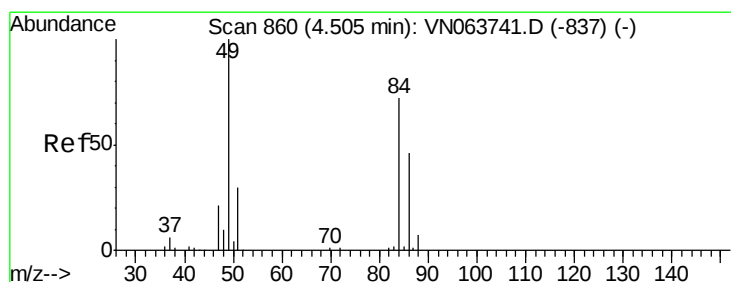
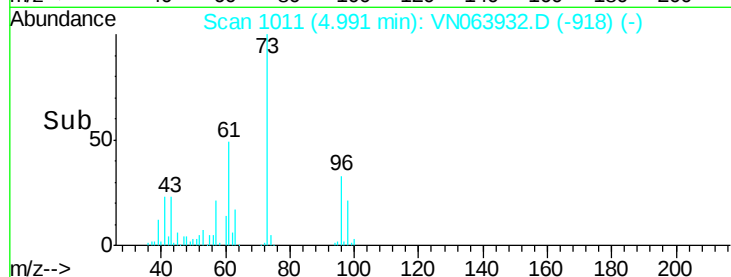
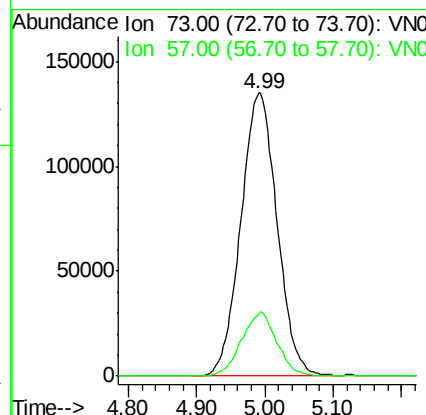
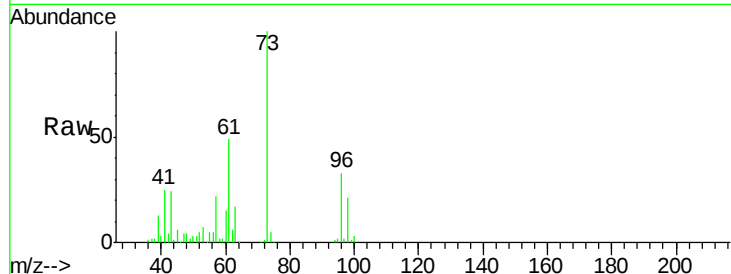
#19
Methvl tert-butvl Ether
Concen: 52.930 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN063932.D
Acq: 7 Oct 2020 7:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 498653
Ion Ratio Lower Upper
73 100
57 22.1 17.6 26.4

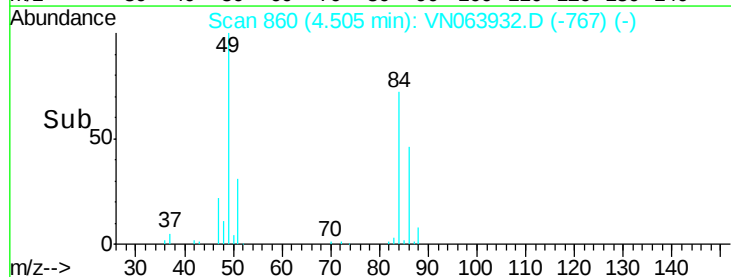
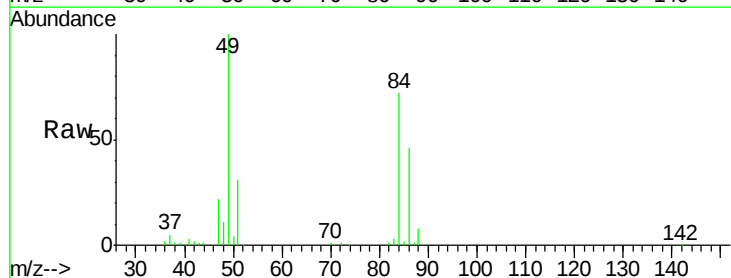
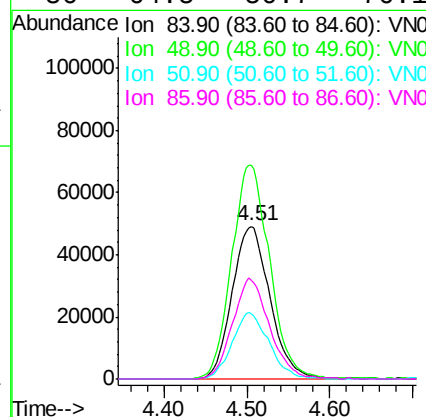
Manual Integrations
APPROVED

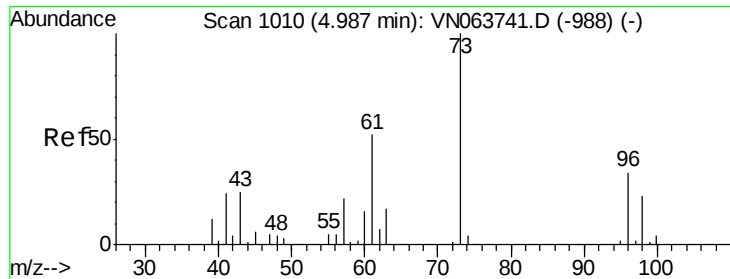
MMDadoda
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#20
Methylene Chloride
Concen: 51.924 ug/l
RT: 4.51 min Scan# 860
Delta R.T. 0.00 min
Lab File: VN063932.D
Acq: 7 Oct 2020 7:54

Tgt Ion: 84 Resp: 155766
Ion Ratio Lower Upper
84 100
49 139.5 110.4 165.6
51 42.9 33.3 49.9
86 64.5 50.7 76.1





#21

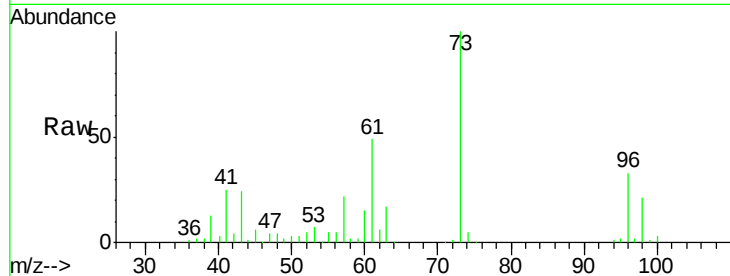
trans-1,2-Dichloroethene
Concen: 48.960 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN063932.D
Acq: 7 Oct 2020 7:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	148.1	120.2	180.2
98	62.6	52.6	79.0

Manual Integrations
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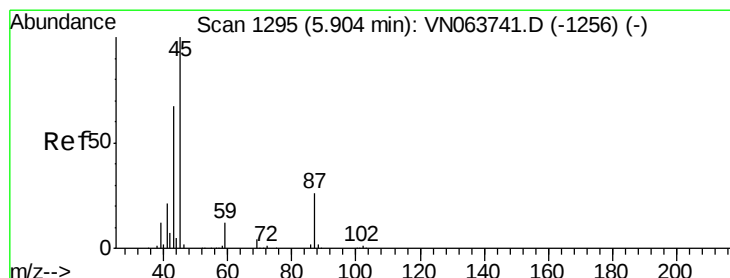
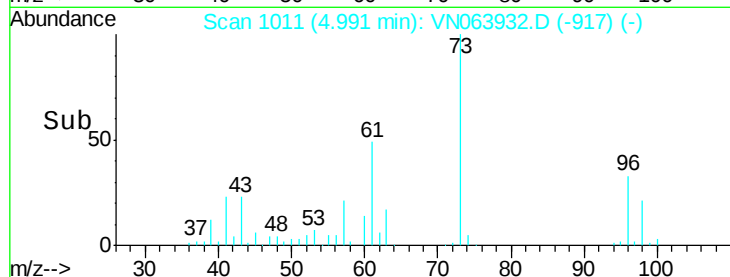
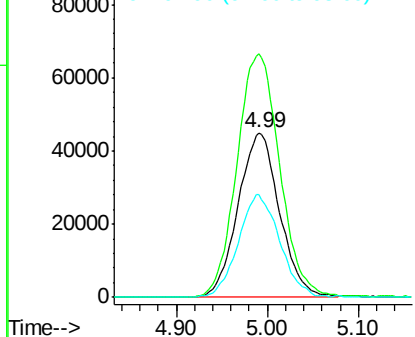


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether
Concen: 56.424 ug/l
RT: 5.90 min Scan# 1295
Delta R.T. 0.00 min
Lab File: VN063932.D
Acq: 7 Oct 2020 7:54

Tgt Ion	Ratio	Lower	Upper
45	100		
43	64.5	53.7	80.5
87	25.9	21.1	31.7
59	11.4	9.2	13.8

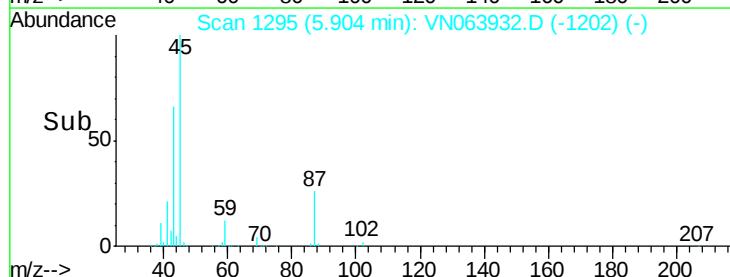
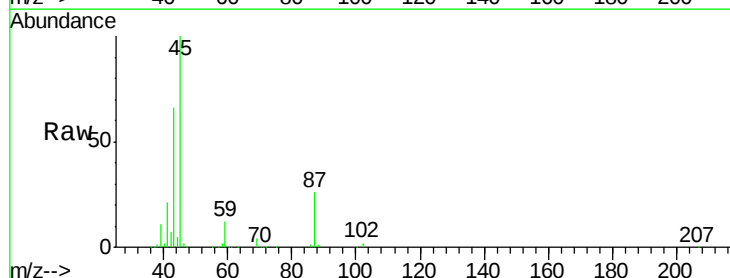
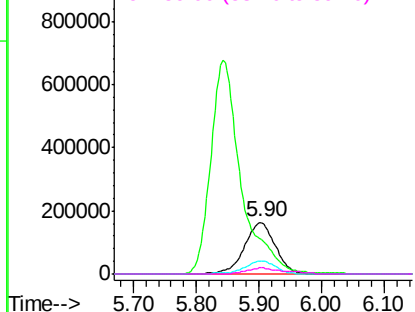
Abundance

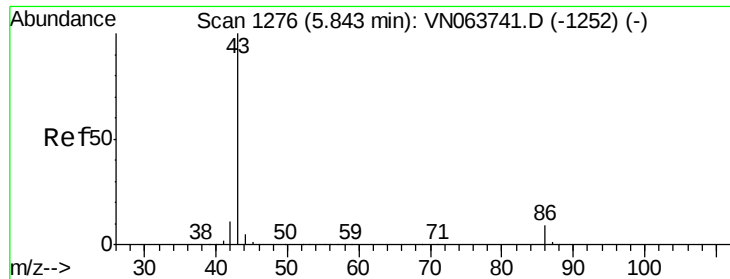
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





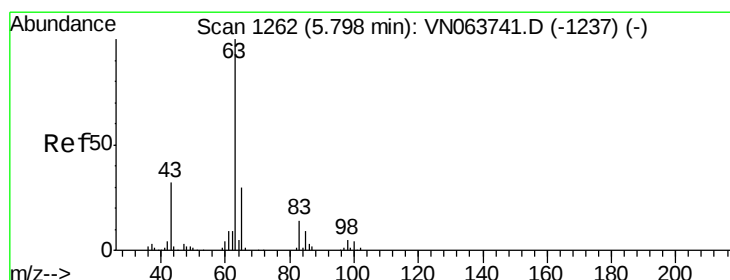
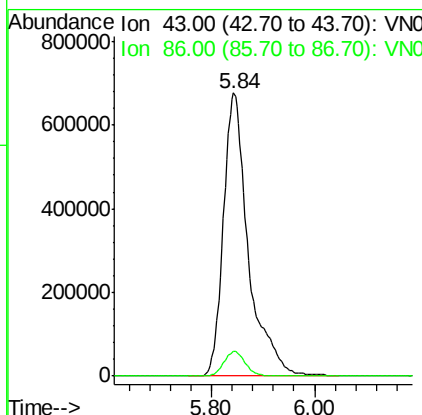
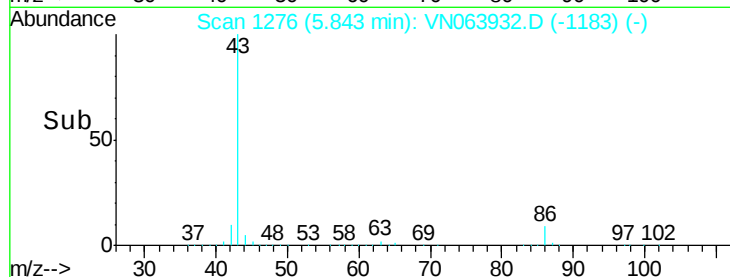
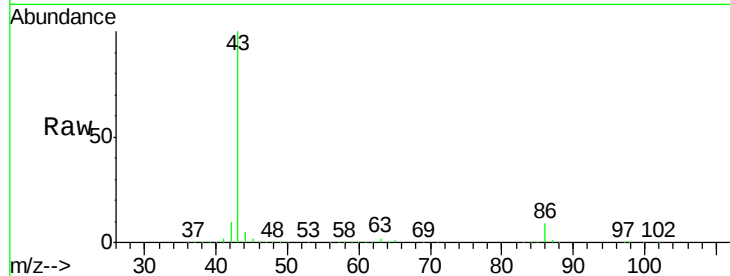
#23
 Vinyl Acetate
 Concen: 277.757 ug/l
 RT: 5.84 min Scan# 1276
 Delta R.T. 0.00 min
 Lab File: VN063932.D
 Acq: 7 Oct 2020 7:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 2280525
 Ion Ratio Lower Upper
 43 100
 86 8.6 7.3 10.9

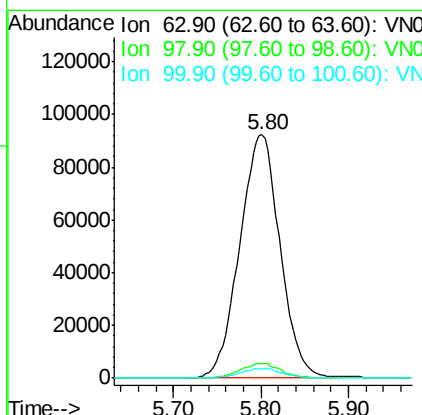
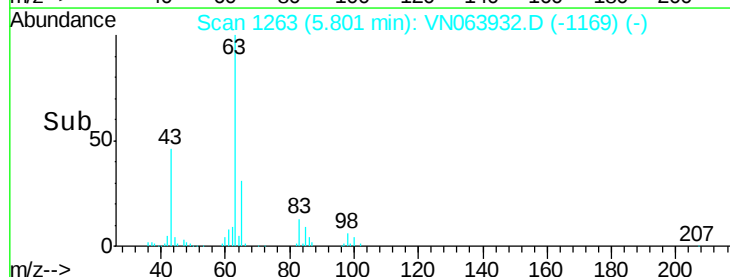
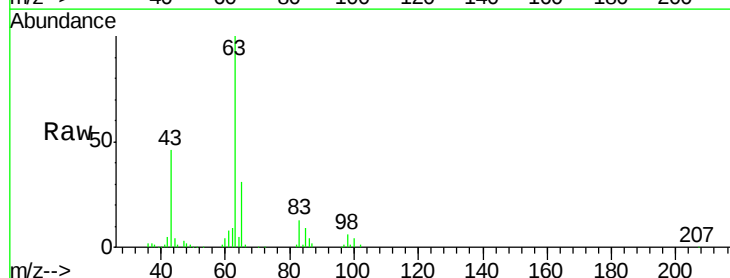
Manual Integrations
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#24
 1,1-Dichloroethane
 Concen: 52.036 ug/l
 RT: 5.80 min Scan# 1263
 Delta R.T. 0.00 min
 Lab File: VN063932.D
 Acq: 7 Oct 2020 7:54

Tgt Ion: 63 Resp: 294900
 Ion Ratio Lower Upper
 63 100
 98 6.0 2.7 8.1
 100 3.9 1.9 5.7





#25

2-Butanone

Concen: 292.684 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN063932.D

Acq: 7 Oct 2020 7:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 543432

Ion Ratio Lower Upper

43 100

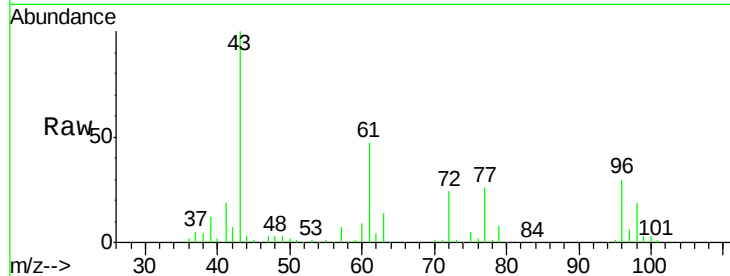
72 23.7 19.3 28.9

Manual Integrations

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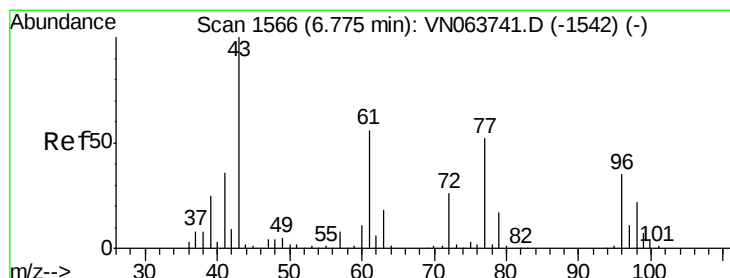
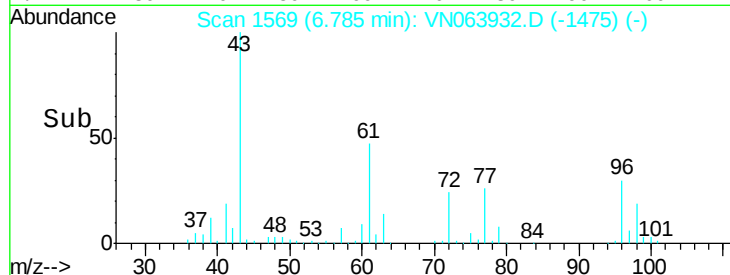
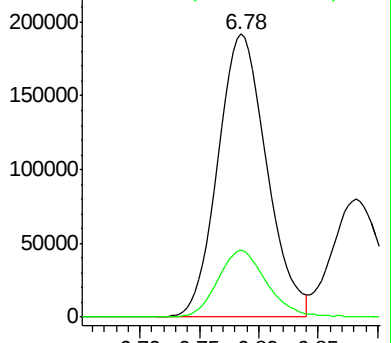
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 33.442 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN063932.D

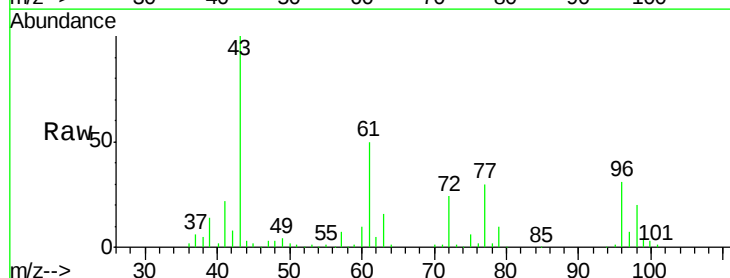
Acq: 7 Oct 2020 7:54

Tgt Ion: 77 Resp: 173563

Ion Ratio Lower Upper

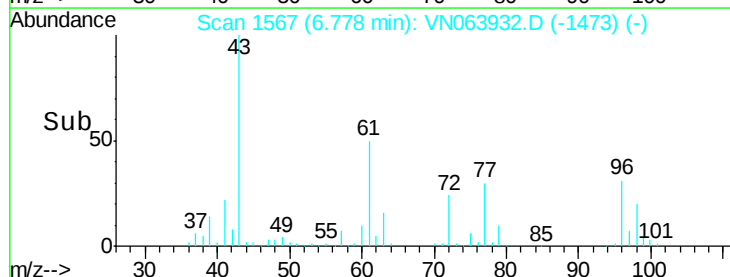
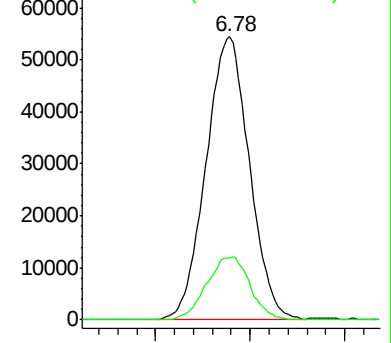
77 100

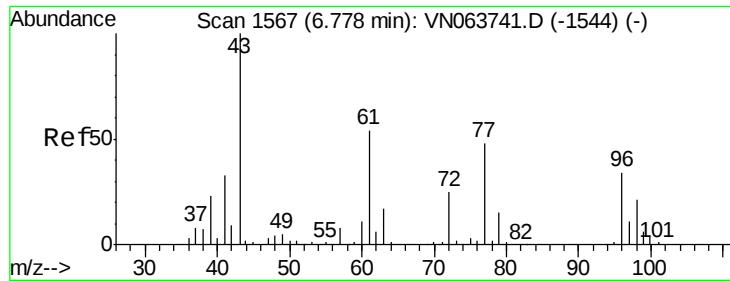
97 22.2 10.8 32.3



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 49.898 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN063932.D

Acq: 7 Oct 2020 7:54

Instrument :

MSVOA_N

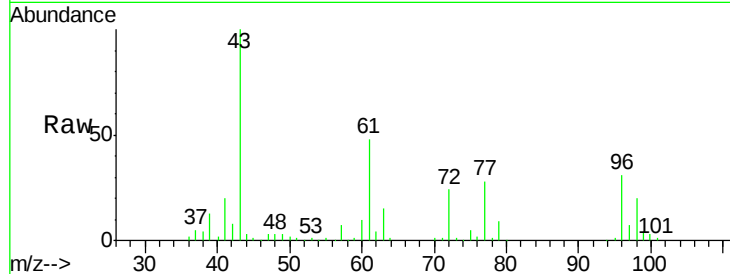
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	16685
Ion Ratio	Lower	Upper	
96	100		
61	155.9	0.0	321.2
98	65.2	0.0	124.4

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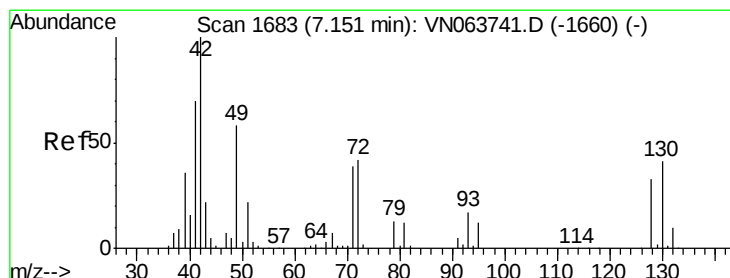
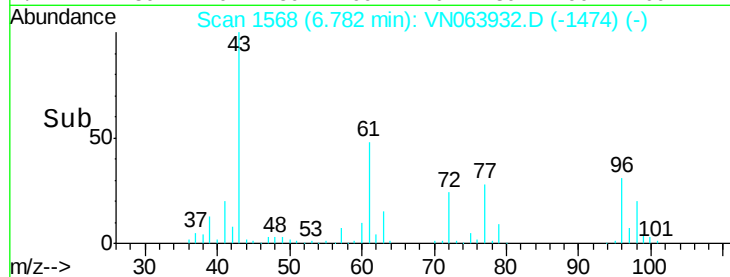
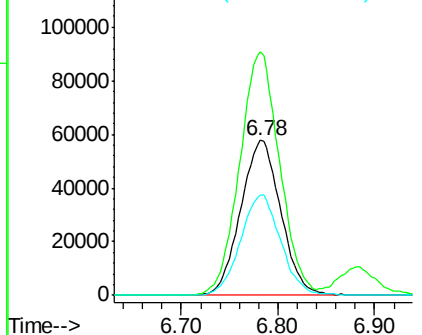
MMDadoda
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Abundance Ion 95.90 (95.60 to 96.60): VN063741.D (-1544) (-)

Ion 60.90 (60.60 to 61.60): VN063741.D (-1544) (-)

Ion 97.90 (97.60 to 98.60): VN063741.D (-1544) (-)



#28

Bromochloromethane

Concen: 54.607 ug/l

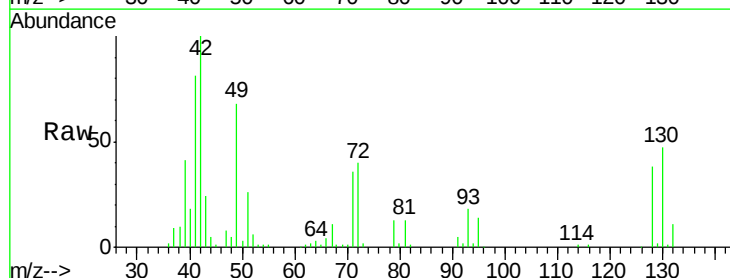
RT: 7.15 min Scan# 1682

Delta R.T. -0.00 min

Lab File: VN063932.D

Acq: 7 Oct 2020 7:54

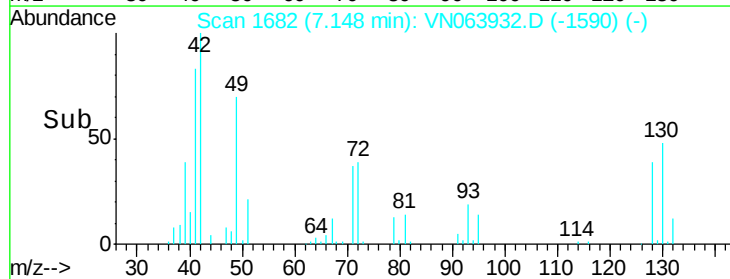
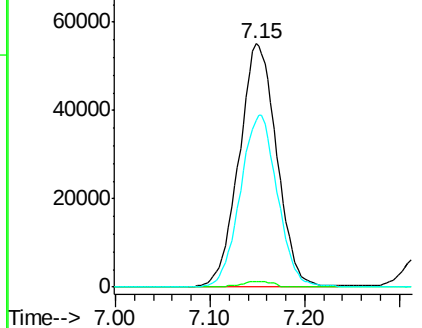
Tgt Ion:	49	Resp:	152957
Ion Ratio	Lower	Upper	
49	100		
129	1.9	0.0	4.8
130	69.6	55.6	83.4

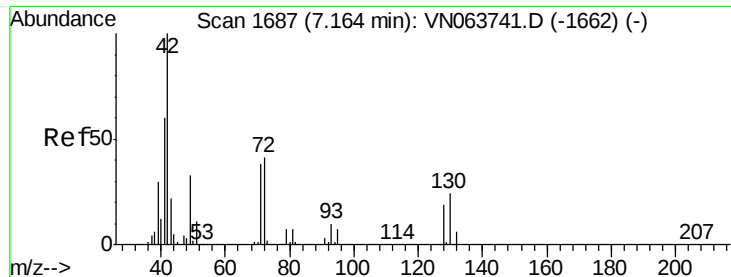


Abundance Ion 48.90 (48.60 to 49.60): VN063741.D (-1660) (-)

Ion 128.80 (128.50 to 129.50): VN063741.D (-1660) (-)

Ion 129.80 (129.50 to 130.50): VN063741.D (-1660) (-)





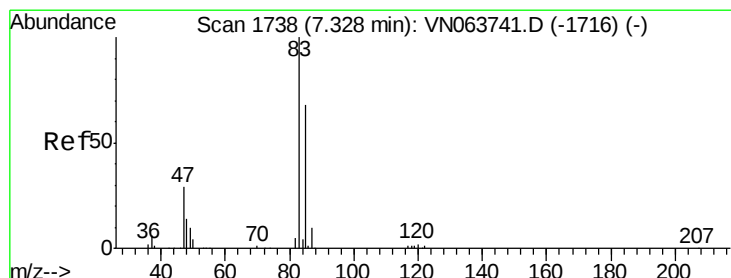
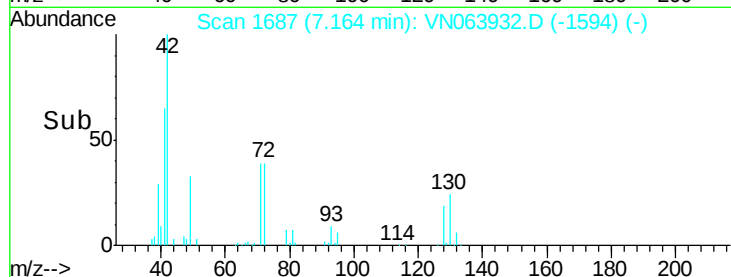
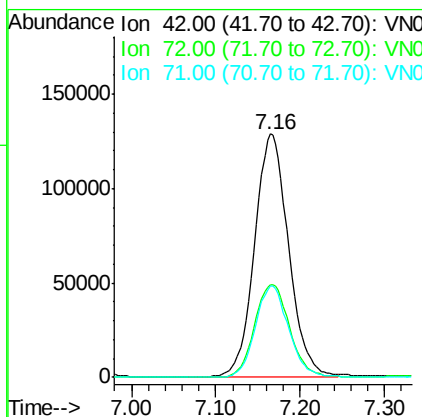
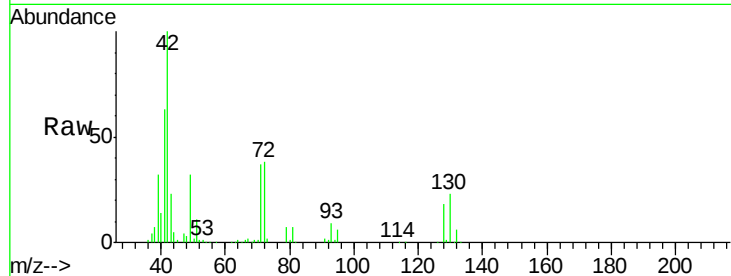
#29
Tetrahydrofuran
Concen: 291.138 ug/l
RT: 7.16 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN063932.D
Acq: 7 Oct 2020 7:54

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.3	32.8	49.2
71	36.8	30.6	45.8

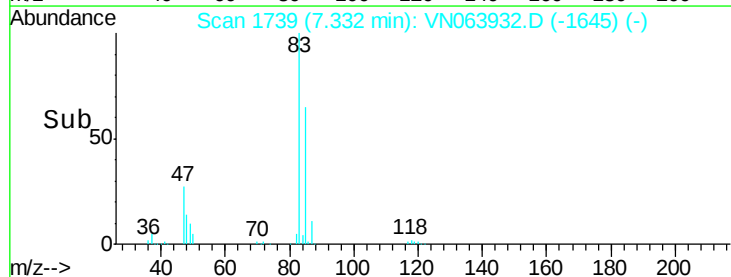
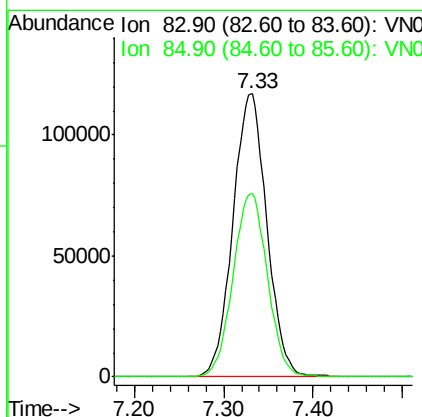
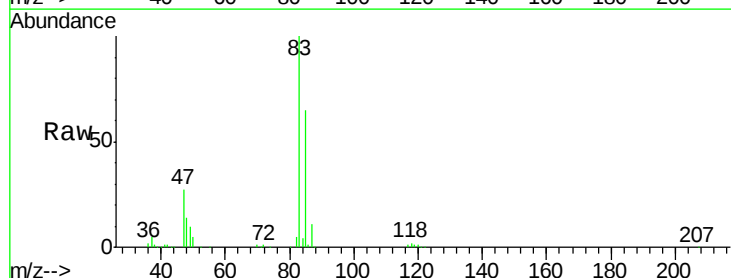
Manual Integrations
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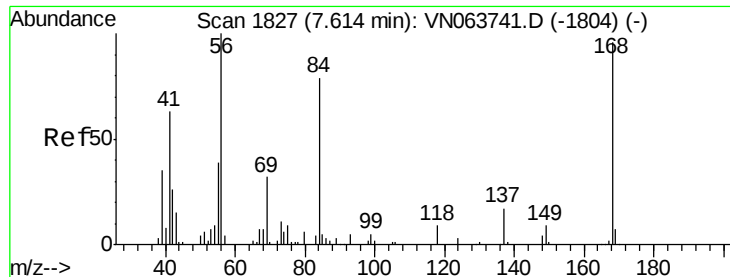
MMDadoda
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#30
Chloroform
Concen: 52.244 ug/l
RT: 7.33 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VN063932.D
Acq: 7 Oct 2020 7:54

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	54.6	82.0





#31

Cyclohexane

Concen: 44.626 ug/l

RT: 7.61 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN063932.D

Acq: 7 Oct 2020 7:54

Instrument :

MSVOA_N

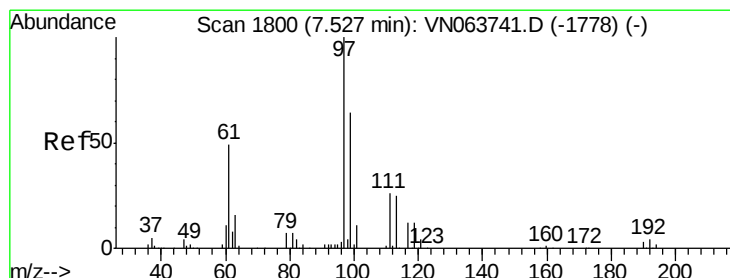
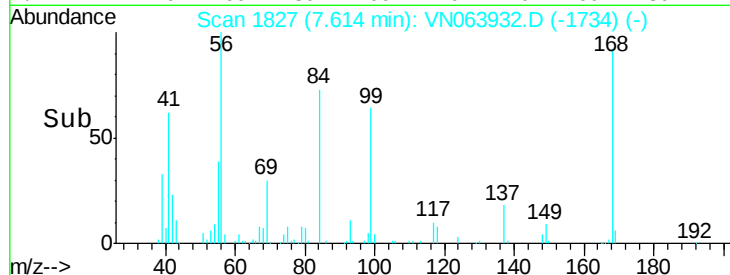
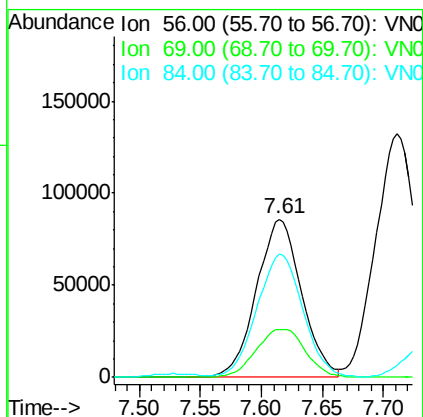
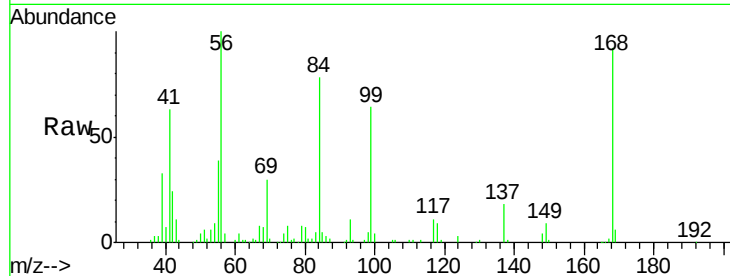
ClientSampled :

VSTDCCC050EC

Tot Ion:	56	Resp:	220410
Ion Ratio	Lower	Upper	
56	100		
69	30.5	25.4	38.2
84	75.6	63.3	94.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 52.438 ug/l

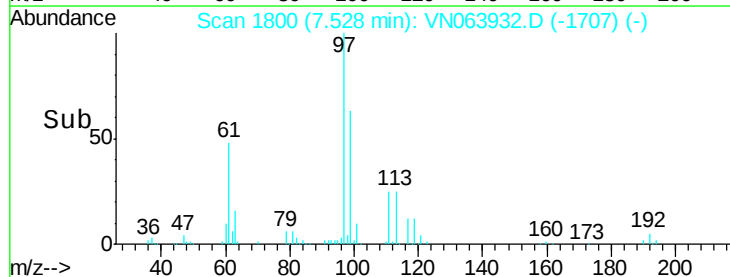
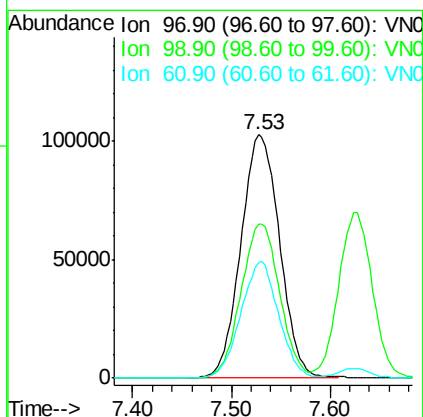
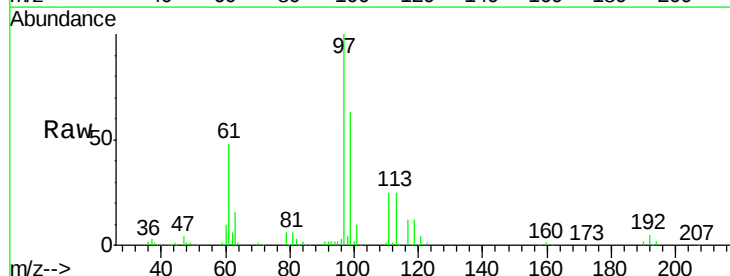
RT: 7.53 min Scan# 1800

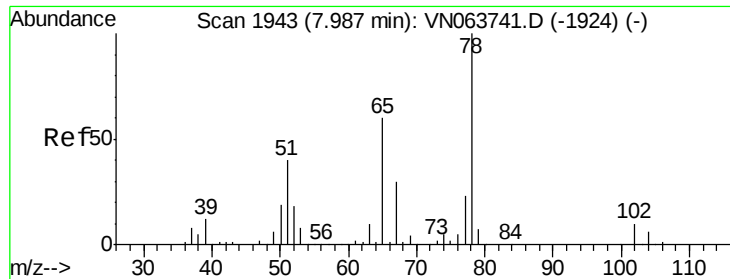
Delta R.T. 0.00 min

Lab File: VN063932.D

Acq: 7 Oct 2020 7:54

Tgt Ion:	97	Resp:	279490
Ion Ratio	Lower	Upper	
97	100		
99	63.1	51.0	76.6
61	46.9	38.7	58.1





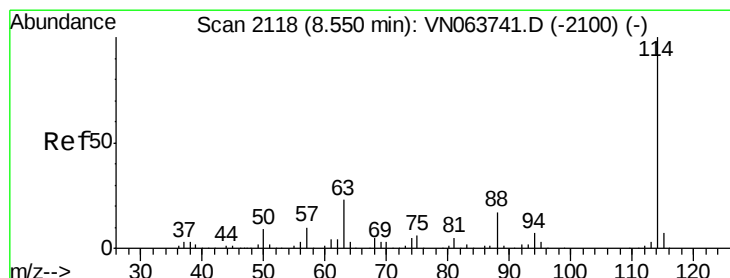
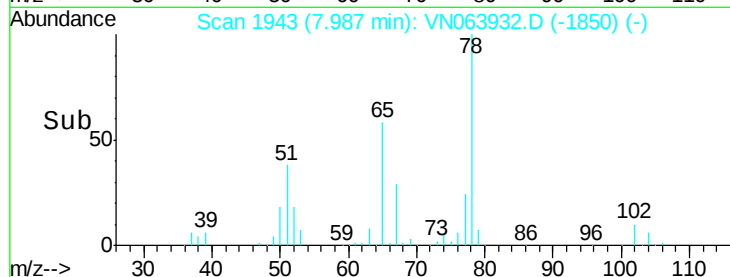
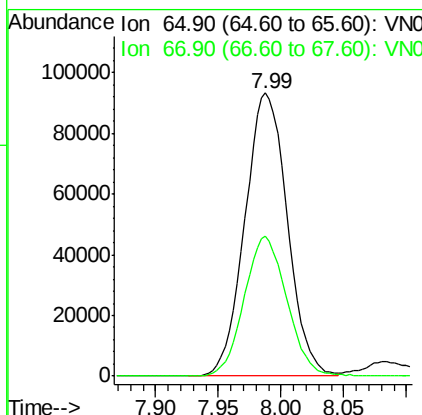
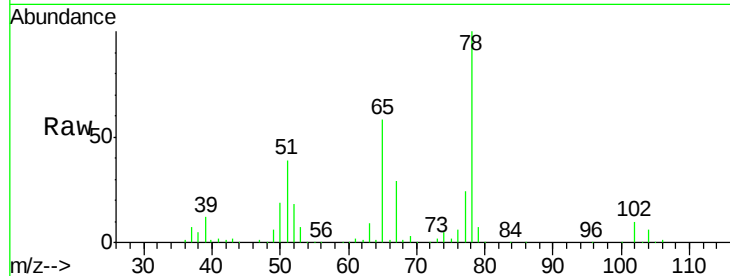
#33
 1,2-Dichloroethane-d4
 Concen: 51.696 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN063932.D
 Acq: 7 Oct 2020 7:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	49.5	0.0	99.6	

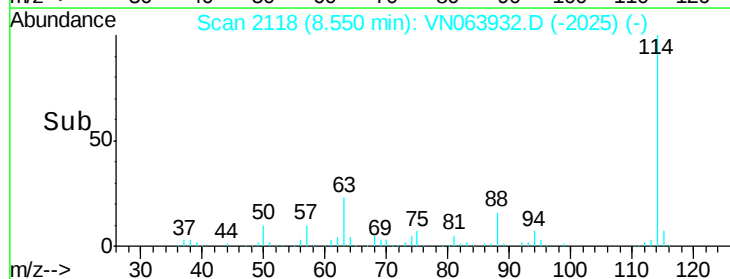
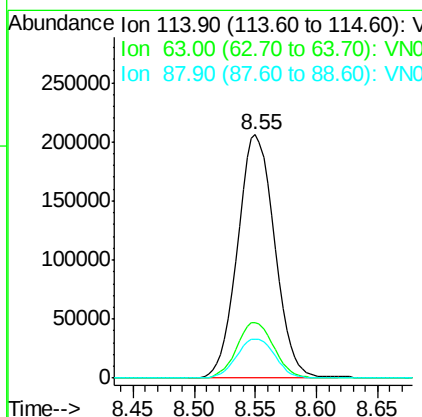
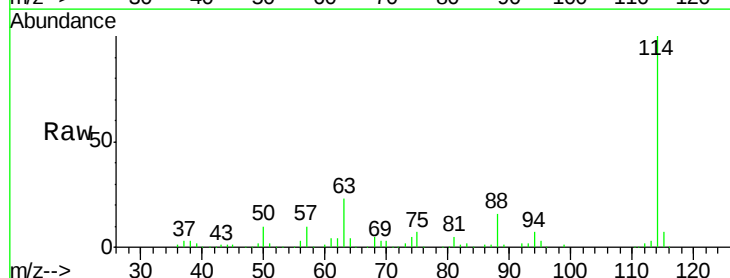
Manual Integrations
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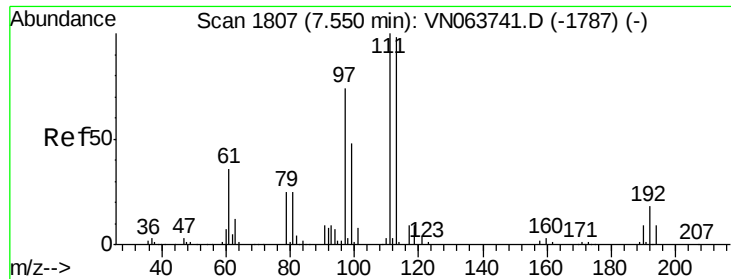
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN063932.D
 Acq: 7 Oct 2020 7:54

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	23.0	0.0	45.0	
88	16.1	0.0	34.0	





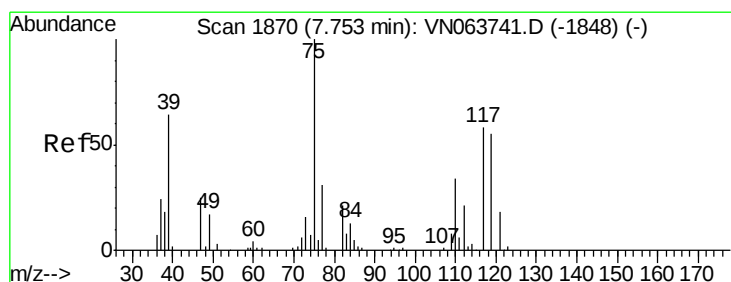
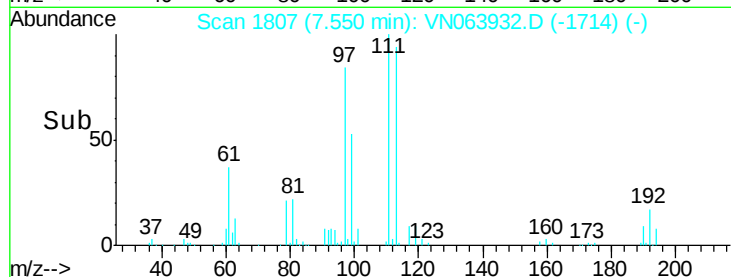
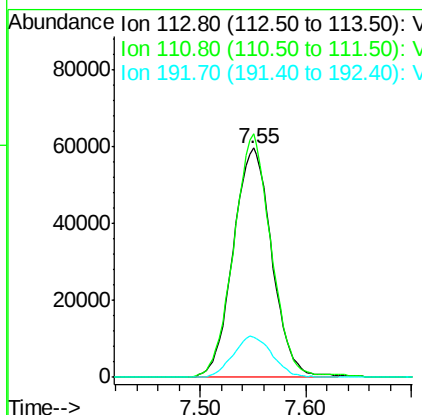
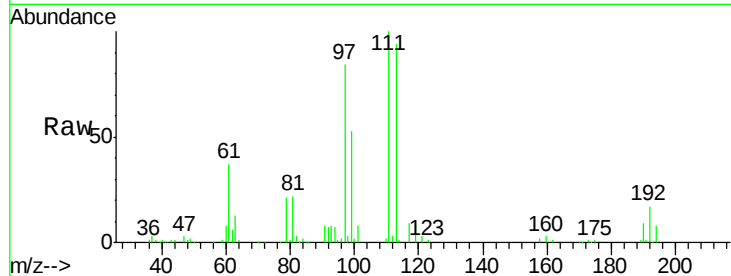
#35
 Dibromofluoromethane
 Concen: 50.638 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN063932.D
 Acq: 7 Oct 2020 7:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	152172		
111	103.2	81.8	122.8	
192	18.2	14.2	21.2	

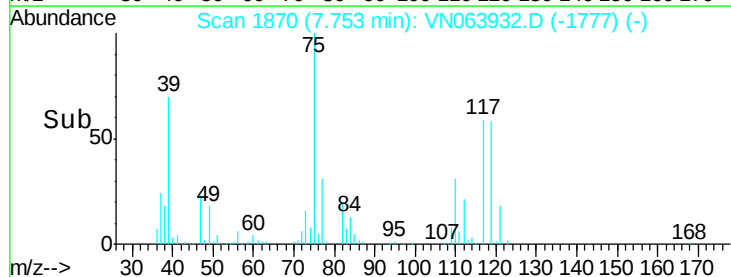
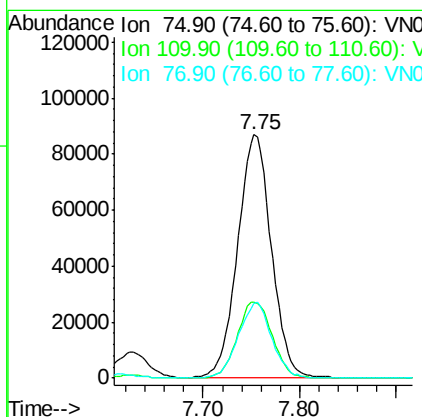
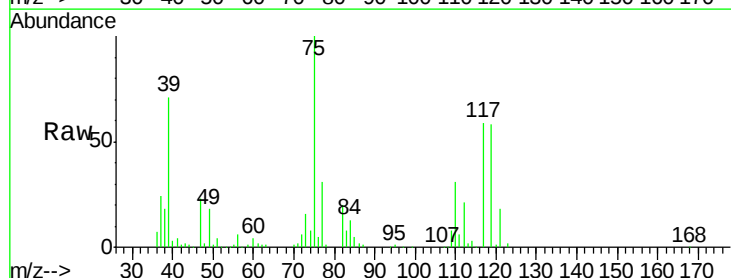
Manual Integrations
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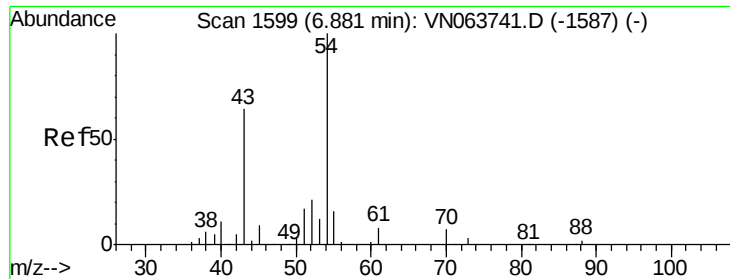
MMDadoda
 10/7/2020 12:12:26 PM



#36
 1,1-Dichloropropene
 Concen: 47.748 ug/l
 RT: 7.75 min Scan# 1870
 Delta R.T. 0.00 min
 Lab File: VN063932.D
 Acq: 7 Oct 2020 7:54

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	209501		
110	32.5	16.9	50.6	
77	31.1	24.5	36.7	





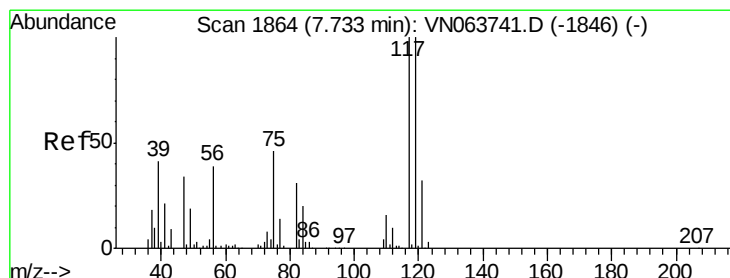
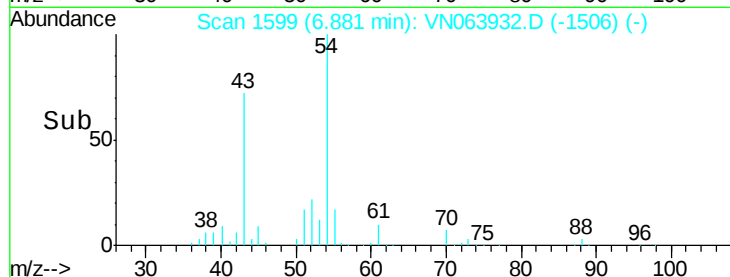
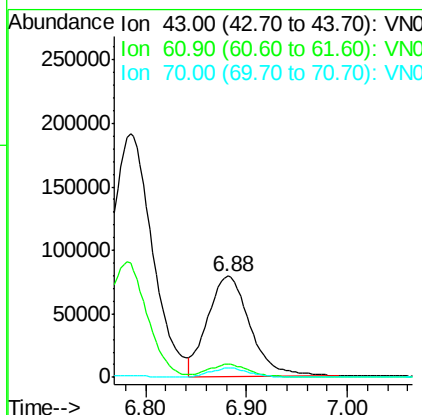
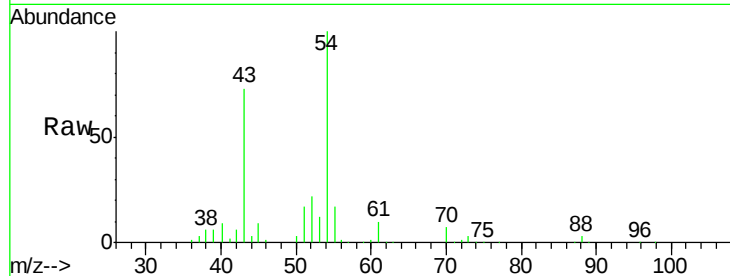
#37
Ethyl Acetate
Concen: 52.862 ug/l
RT: 6.88 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VN063932.D
Acq: 7 Oct 2020 7:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.3	10.4	15.6
70	9.1	7.3	10.9

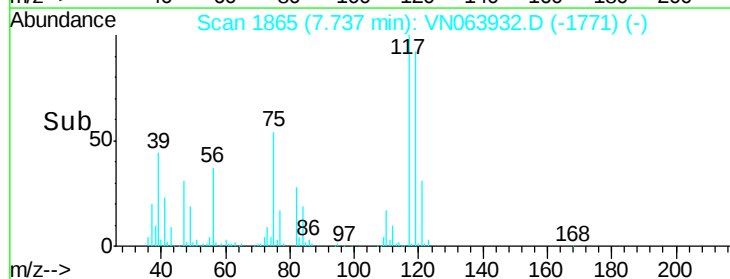
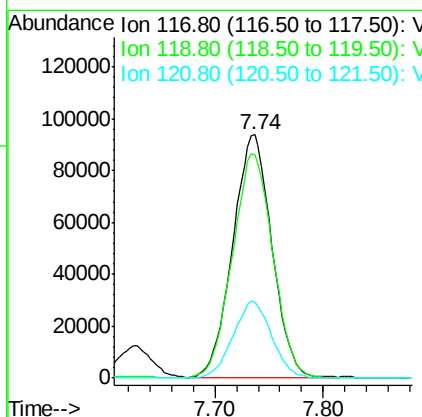
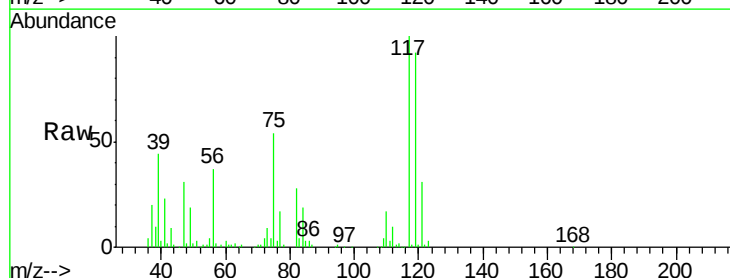
Manual Integrations
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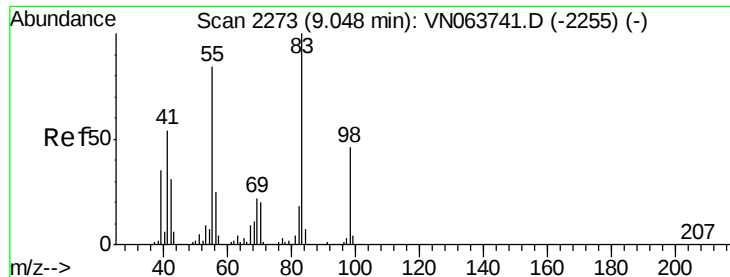
MMDadoda
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#38
Carbon Tetrachloride
Concen: 47.909 ug/l
RT: 7.74 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN063932.D
Acq: 7 Oct 2020 7:54

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.8	80.1	120.1
121	31.5	25.7	38.5





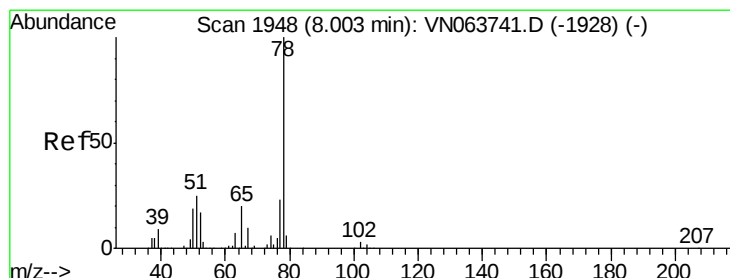
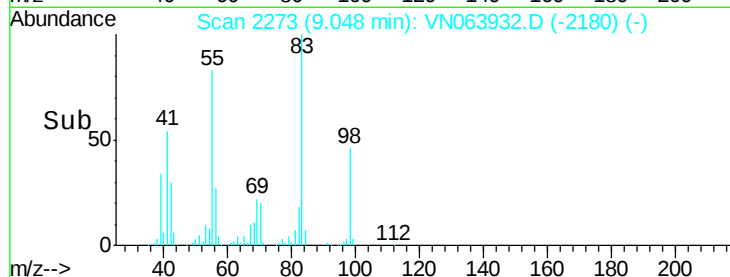
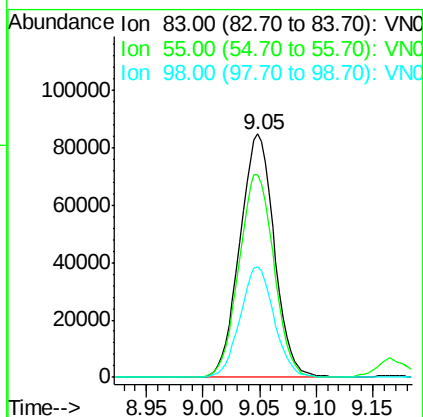
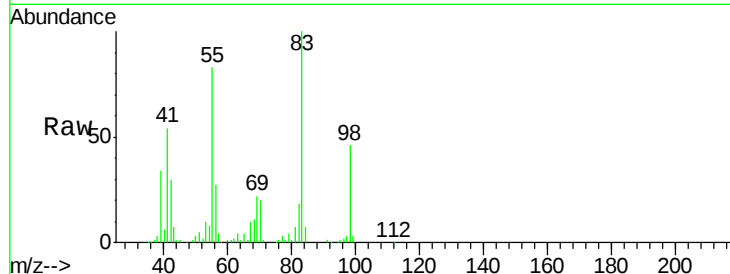
#39
Methvlcvclohexane
Concen: 41.162 ug/l
RT: 9.05 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN063932.D
Acq: 7 Oct 2020 7:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.3	67.1	100.7
98	45.5	36.6	54.8

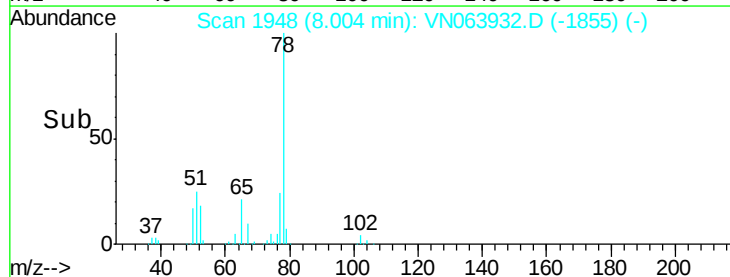
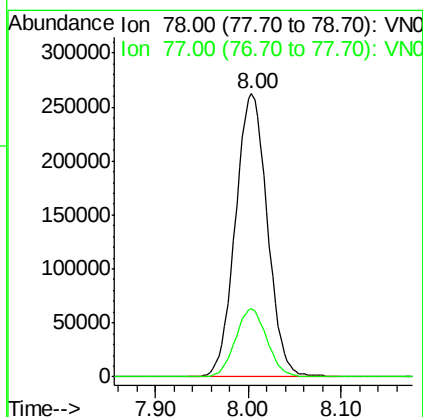
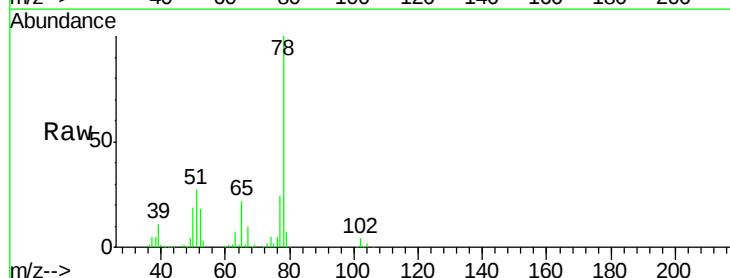
Manual Integrations
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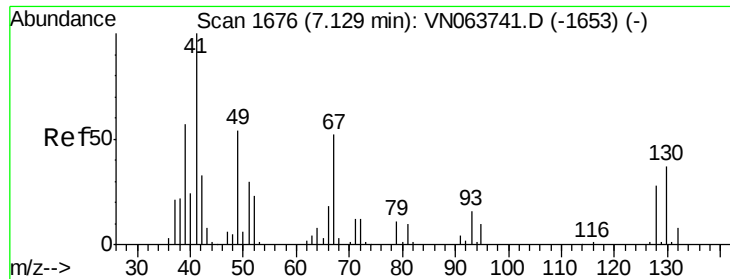
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#40
Benzene
Concen: 49.968 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN063932.D
Acq: 7 Oct 2020 7:54

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	18.7	28.1





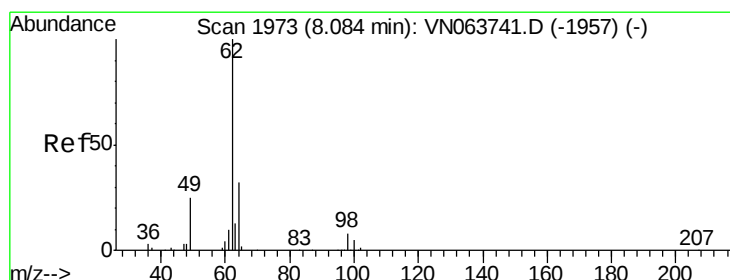
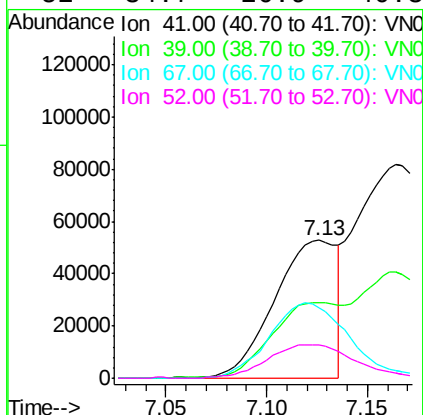
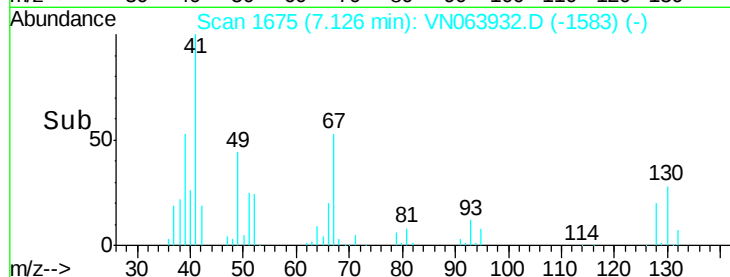
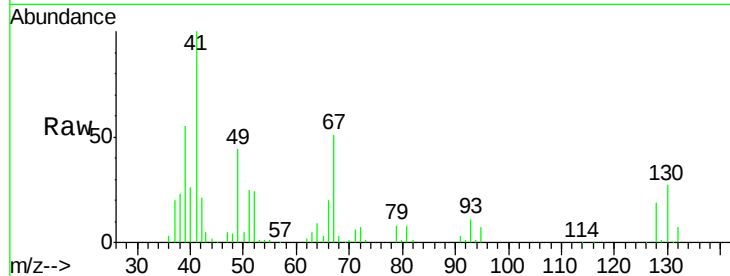
#41
Methacrylonitrile
Concen: 58.408 ug/l
RT: 7.13 min Scan# 1675
Delta R.T. -0.00 min
Lab File: VN063932.D
Acq: 7 Oct 2020 7:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	41	Resp	113160
Ion Ratio	Lower	Upper	
41	100		
39	60.7	42.5	63.7
67	70.0	57.4	86.2
52	34.7	26.9	40.3

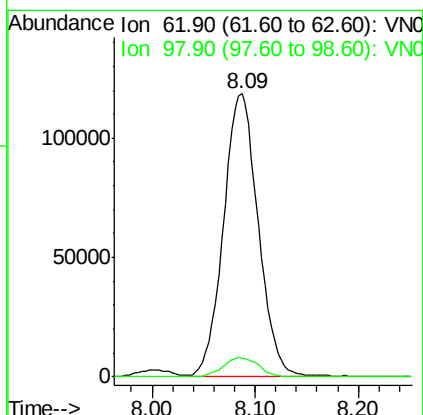
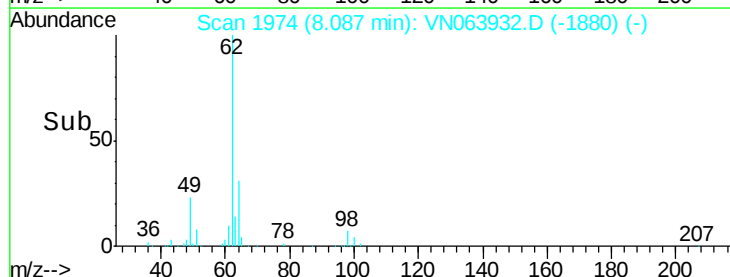
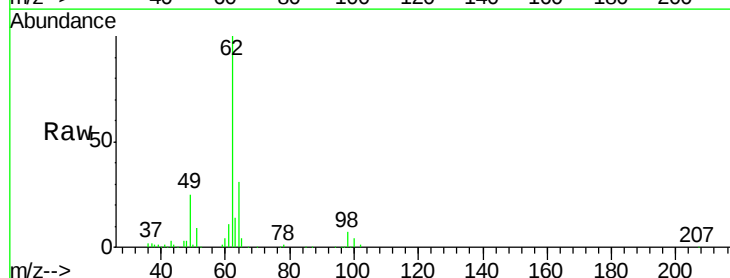
Manual Integrations
APPROVED

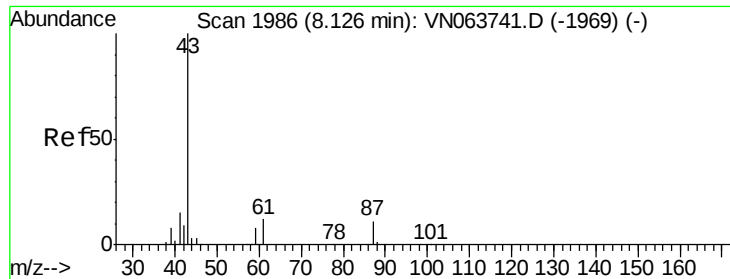
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#42
1,2-Dichloroethane
Concen: 51.661 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. 0.00 min
Lab File: VN063932.D
Acq: 7 Oct 2020 7:54

Tgt Ion	62	Resp	276361
Ion Ratio	Lower	Upper	
62	100		
98	6.9	0.0	15.0





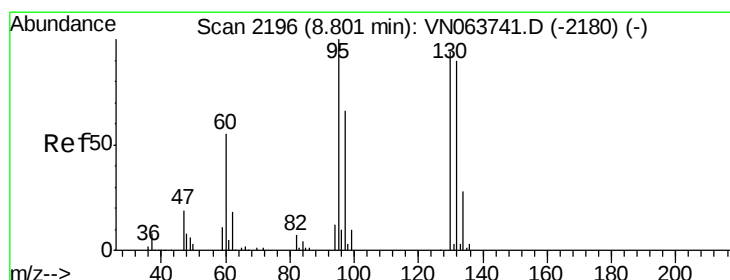
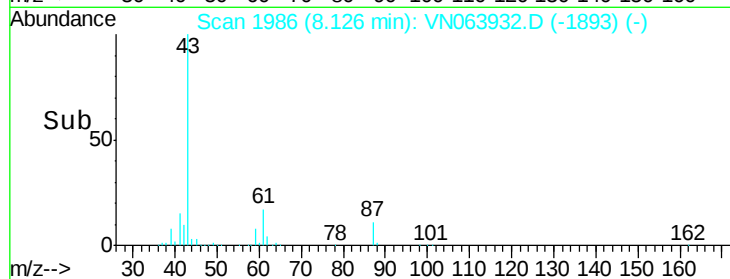
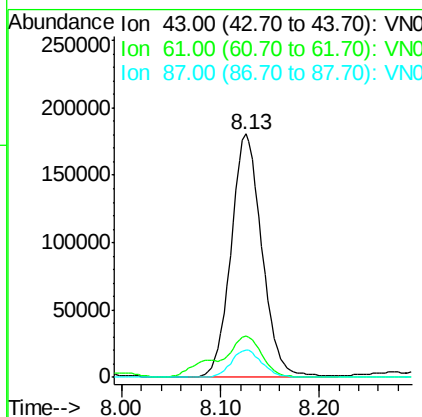
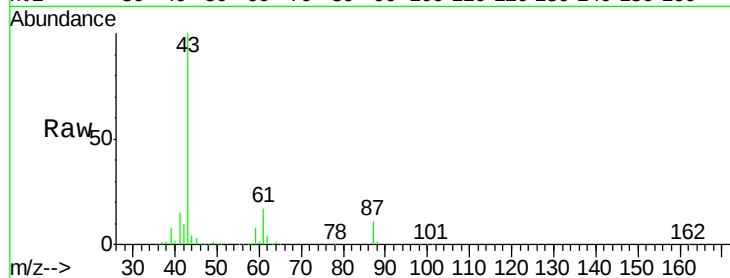
#43
Isopropyl Acetate
Concen: 54.619 ug/l
RT: 8.13 min Scan# 1986
Delta R.T. 0.00 min
Lab File: VN063932.D
Acq: 7 Oct 2020 7:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.9	14.2	21.4
87	11.4	9.0	13.6

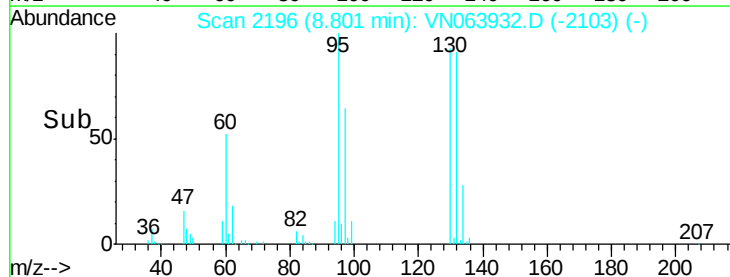
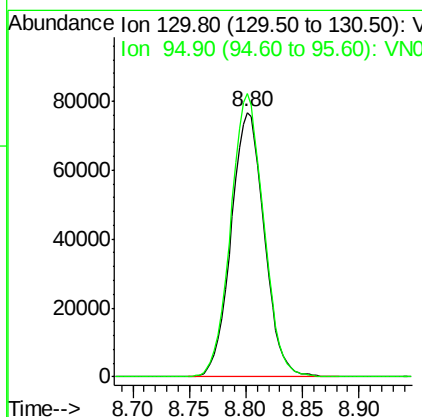
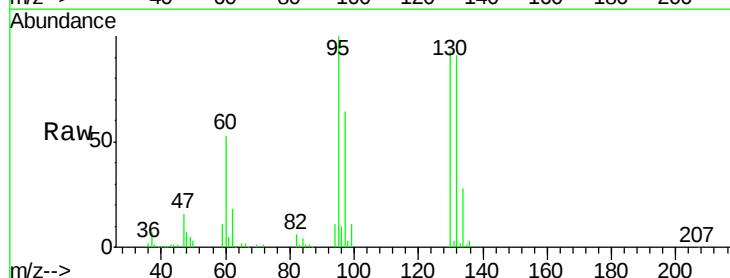
Manual Integrations
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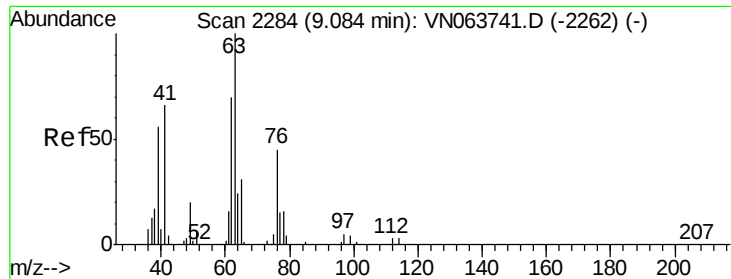
MMDadoda
10/7/2020 12:12:26 PM



#44
Trichloroethene
Concen: 47.768 ug/l
RT: 8.80 min Scan# 2196
Delta R.T. 0.00 min
Lab File: VN063932.D
Acq: 7 Oct 2020 7:54

Tgt Ion	Ratio	Lower	Upper
130	100		
95	106.9	0.0	213.6





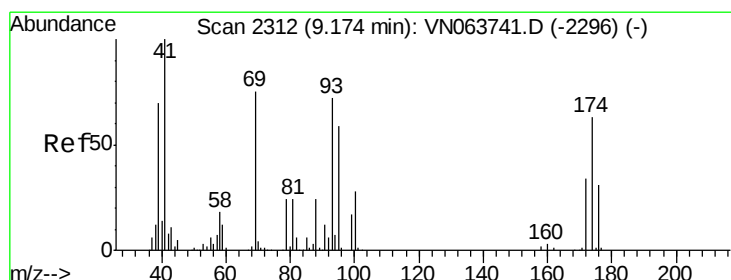
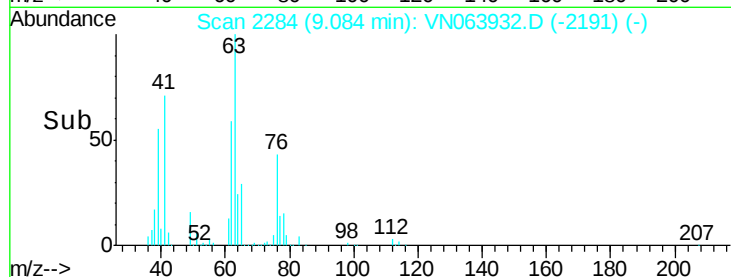
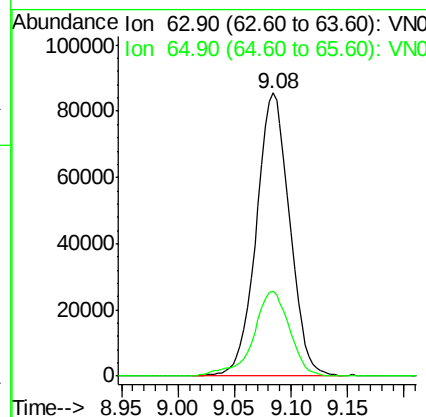
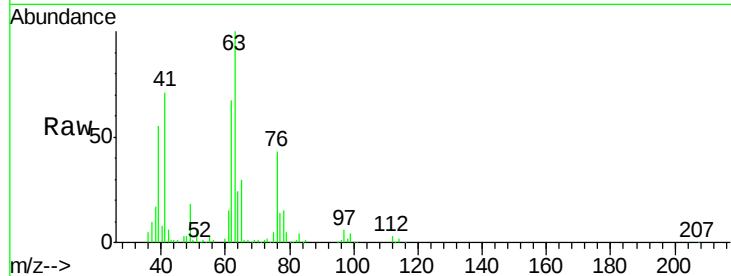
#45
 1,2-Dichloropropane
 Concen: 51.777 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN063932.D
 Acq: 7 Oct 2020 7:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 175243
 Ion Ratio Lower Upper
 63 100
 65 29.9 24.7 37.1

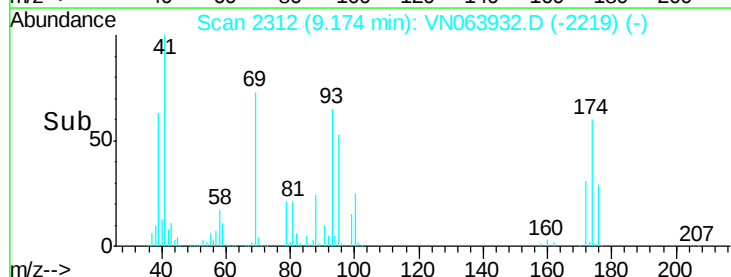
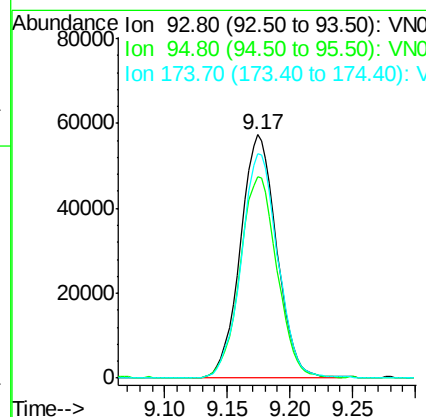
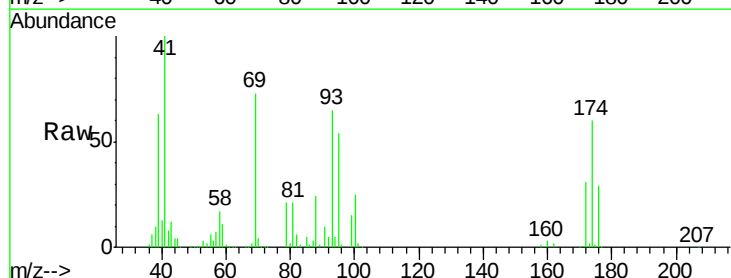
Manual Integrations
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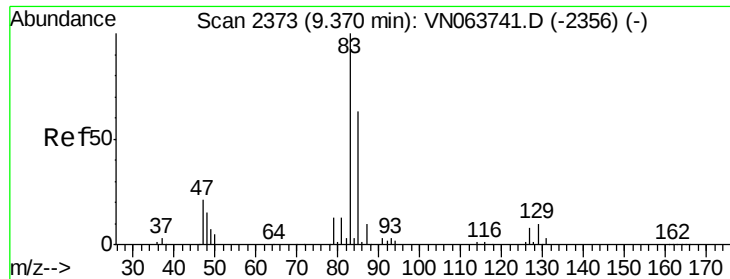
MMDadoda
 10/7/2020 12:12:26 PM



#46
 Dibromomethane
 Concen: 49.562 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN063932.D
 Acq: 7 Oct 2020 7:54

Tgt Ion: 93 Resp: 115719
 Ion Ratio Lower Upper
 93 100
 95 84.4 66.3 99.5
 174 92.6 72.7 109.1





#47

Bromodichloromethane

Concen: 52.859 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN063932.D

Acq: 7 Oct 2020 7:54

Instrument :

MSVOA_N

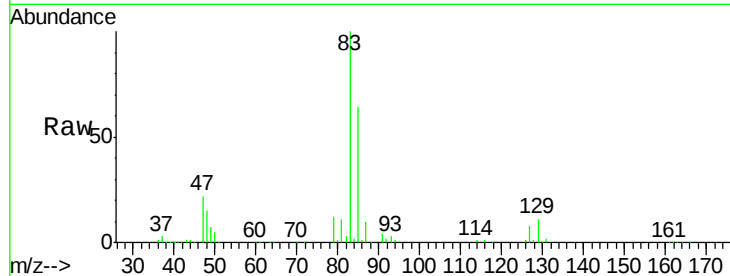
ClientSampled :

VSTDCCC050EC

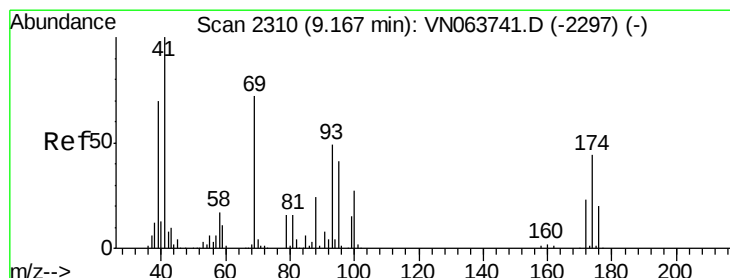
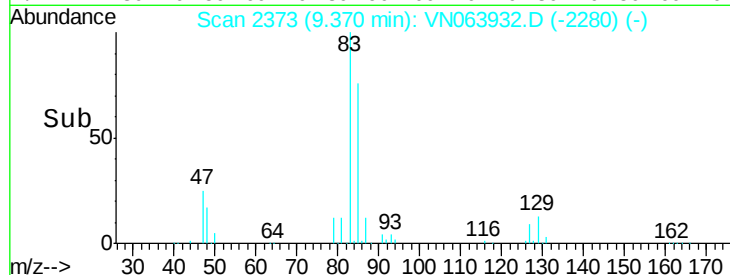
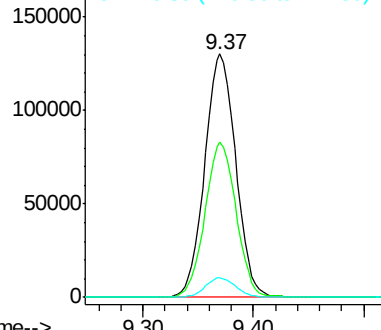
Tot Ion:	83	Resp:	254358
Ion Ratio	Lower	Upper	
83	100		
85	63.7	50.6	75.8
127	7.8	6.6	9.8

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN063932.D (-2280) (-)



#48

Methyl methacrylate

Concen: 57.506 ug/l

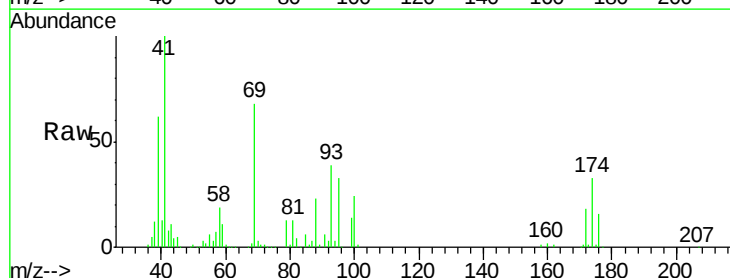
RT: 9.16 min Scan# 2309

Delta R.T. -0.00 min

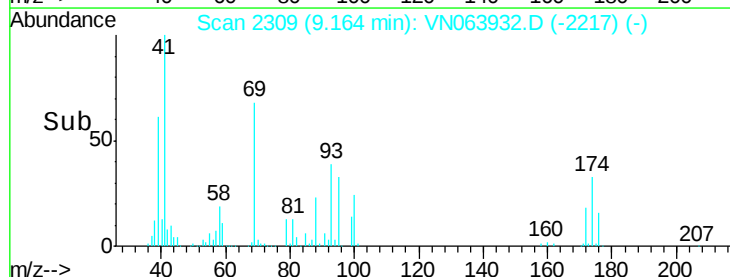
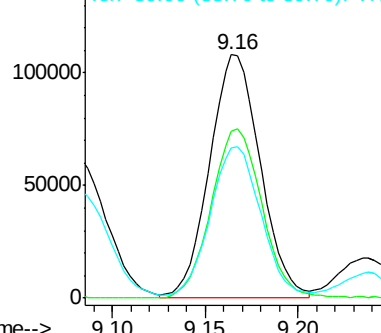
Lab File: VN063932.D

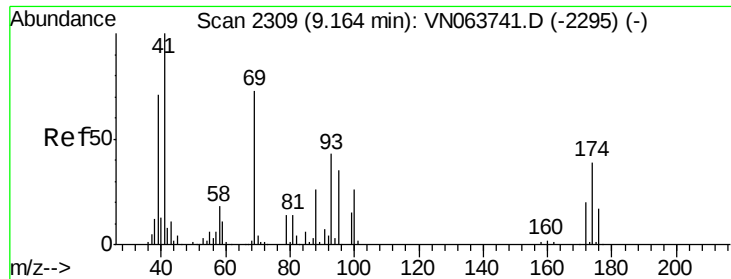
Acq: 7 Oct 2020 7:54

Tgt Ion:	41	Resp:	204287
Ion Ratio	Lower	Upper	
41	100		
69	70.0	60.9	91.3
39	62.7	57.5	86.3



Abundance Ion 41.00 (40.70 to 41.70): VN063932.D (-2217) (-)





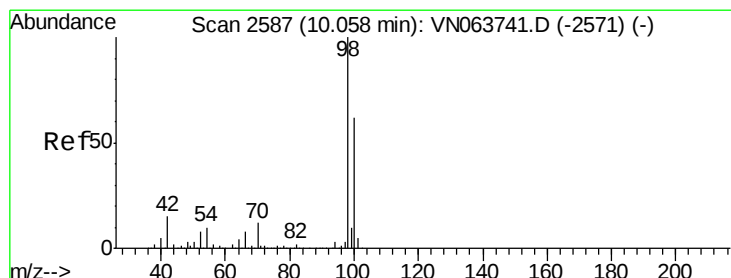
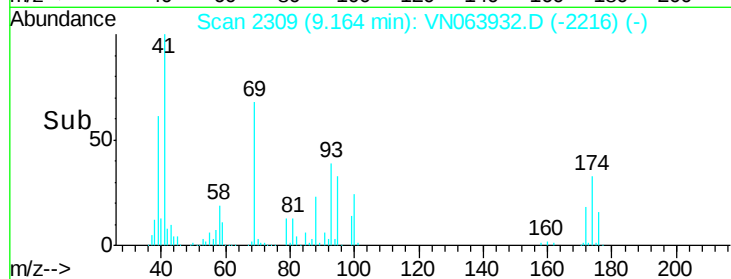
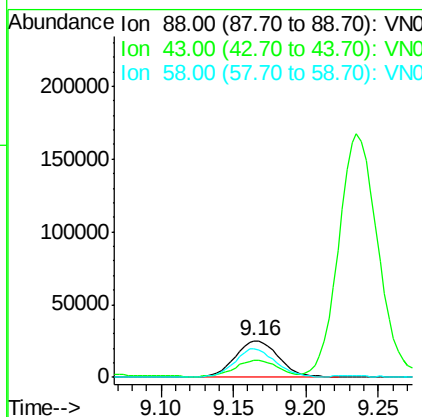
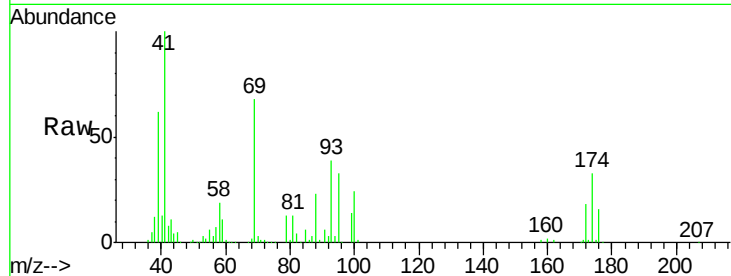
#49
1,4-Dioxane
Concen: 1048.047 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN063932.D
Acq: 7 Oct 2020 7:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	43.6	33.1	49.7
58	73.9	58.9	88.3

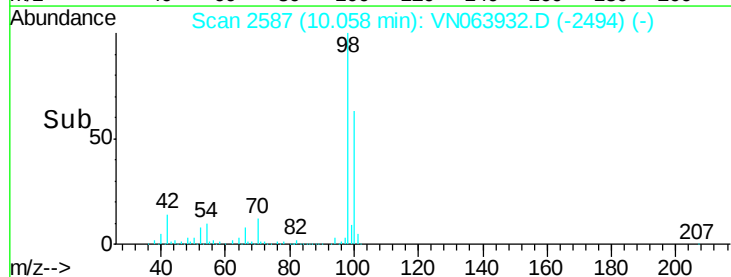
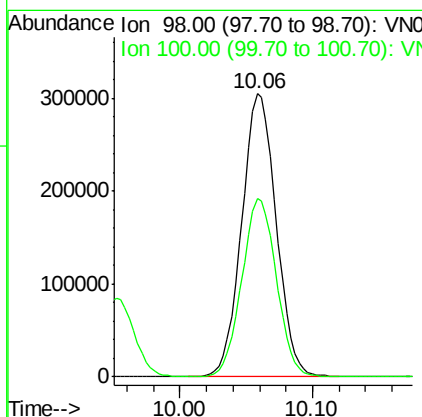
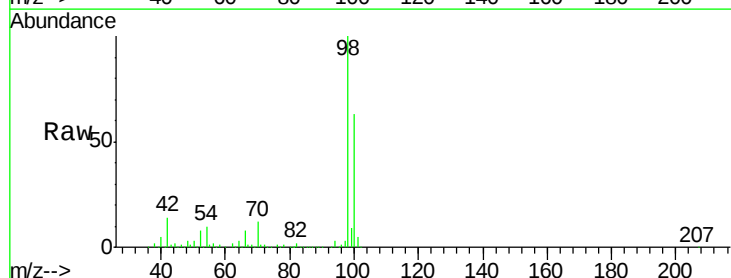
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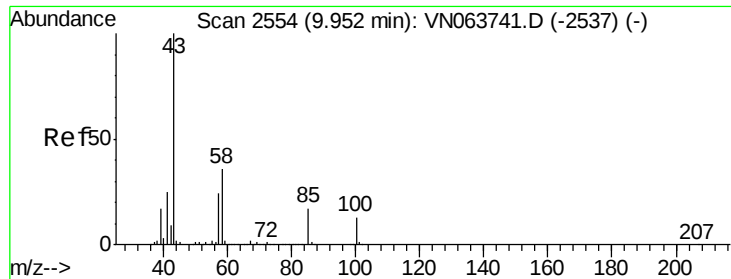
MMDadoda
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#50
Toluene-d8
Concen: 48.438 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN063932.D
Acq: 7 Oct 2020 7:54

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.2	49.8	74.6





#51

4-Methyl-2-Pentanone

Concen: 288.867 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN063932.D

Acq: 7 Oct 2020 7:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1218898

Ion Ratio Lower Upper

43 100

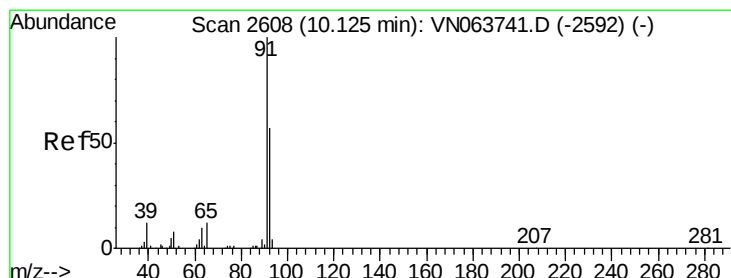
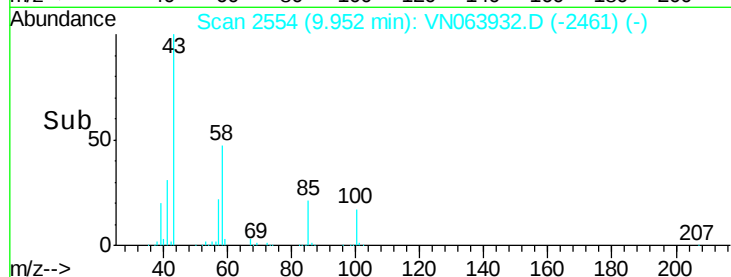
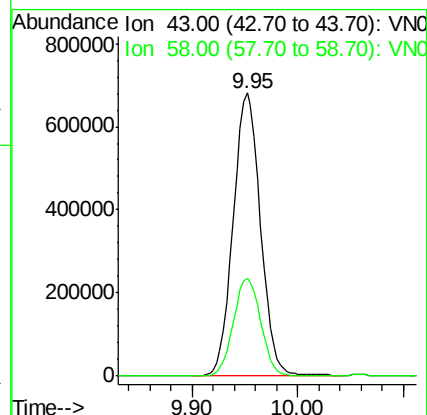
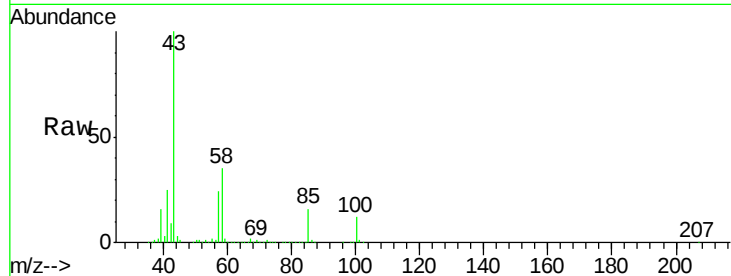
58 34.7 28.4 42.6

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#52

Toluene

Concen: 51.320 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN063932.D

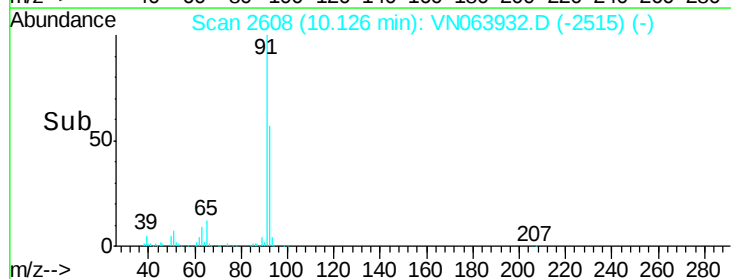
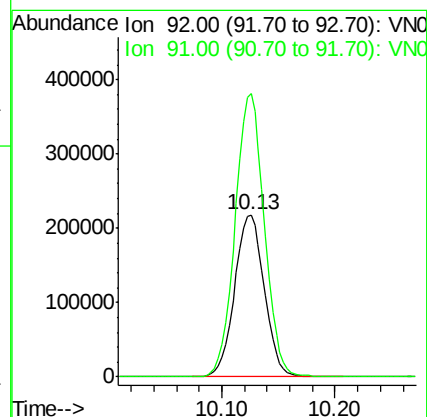
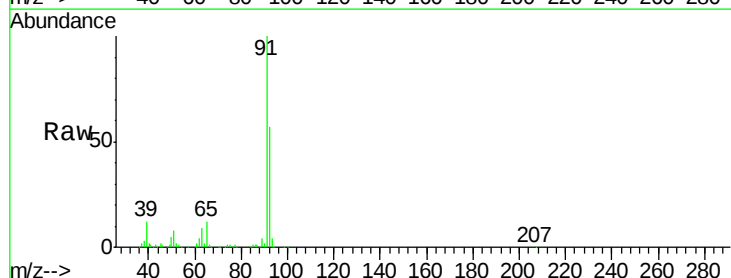
Acq: 7 Oct 2020 7:54

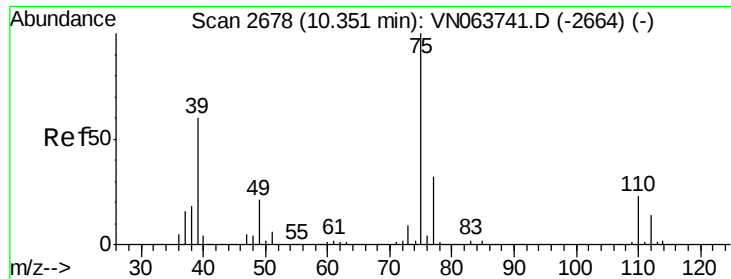
Tgt Ion: 92 Resp: 397813

Ion Ratio Lower Upper

92 100

91 172.2 140.6 210.8





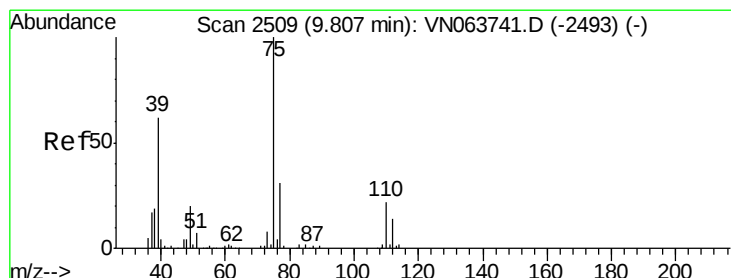
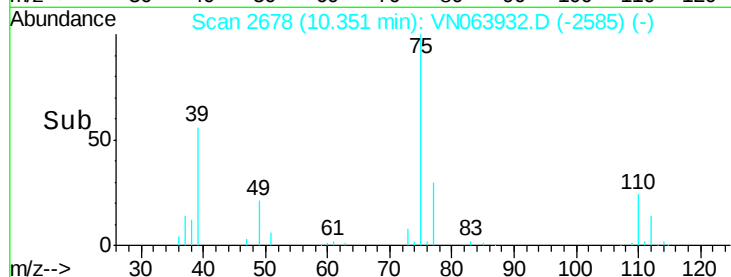
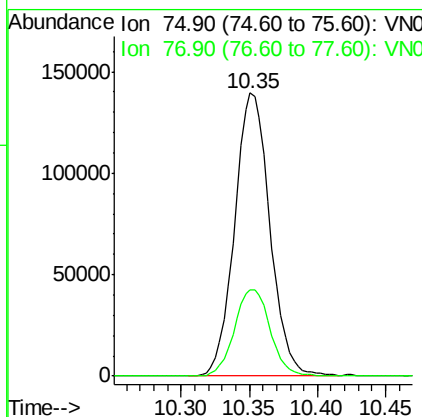
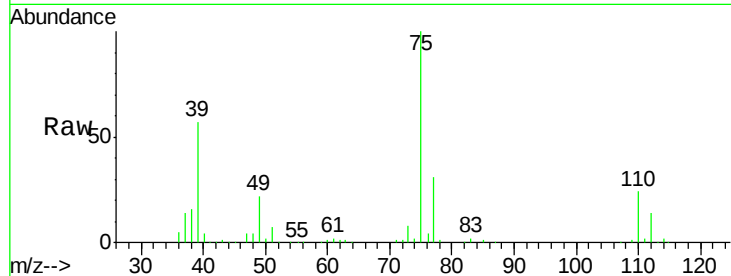
#53
t-1,3-Dichloropropene
Concen: 48.548 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN063932.D
Acq: 7 Oct 2020 7:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 250419
Ion Ratio Lower Upper
75 100
77 30.6 25.3 37.9

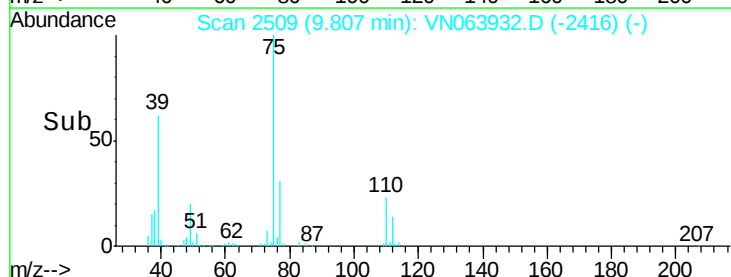
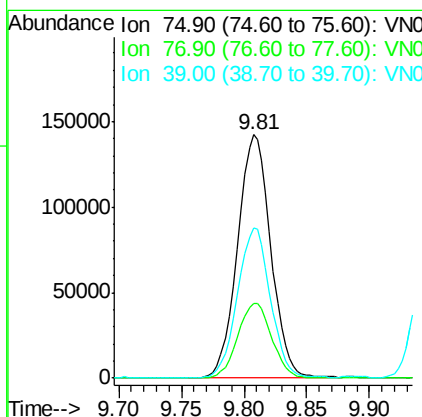
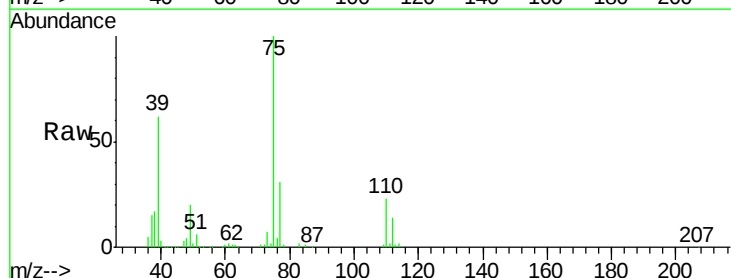
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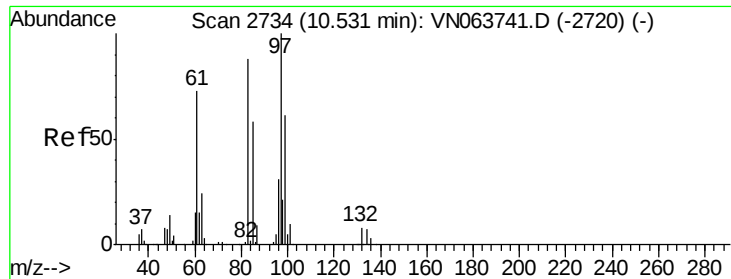
MMDadoda
10/7/2020 12:12:26 PM



#54
cis-1,3-Dichloropropene
Concen: 48.724 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN063932.D
Acq: 7 Oct 2020 7:54

Tgt Ion: 75 Resp: 262839
Ion Ratio Lower Upper
75 100
77 30.7 24.6 36.8
39 61.7 49.7 74.5





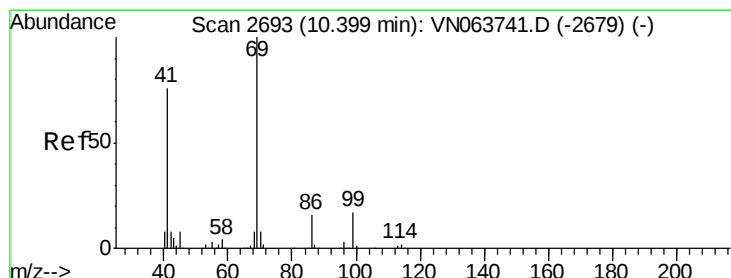
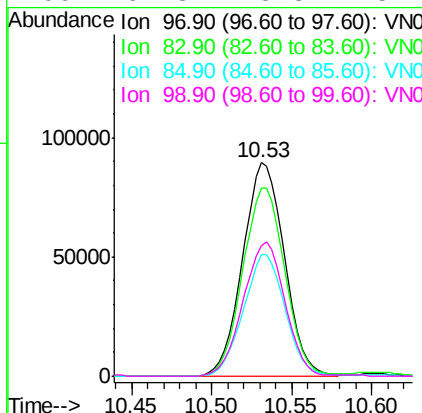
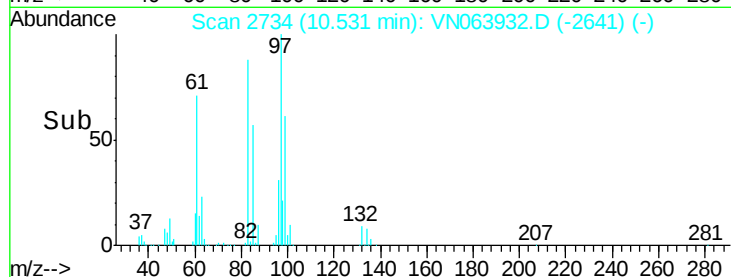
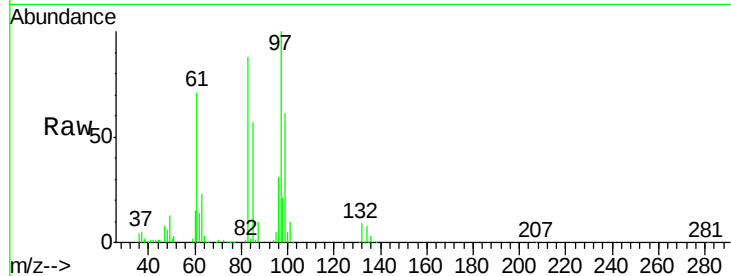
#55
 1,1,2-Trichloroethane
 Concen: 51.441 ug/l
 RT: 10.53 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN063932.D
 Acq: 7 Oct 2020 7:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	159913
Ion	Ratio	Lower	Upper
97	100		
83	87.9	70.7	106.1
85	56.7	46.1	69.1
99	61.3	48.8	73.2

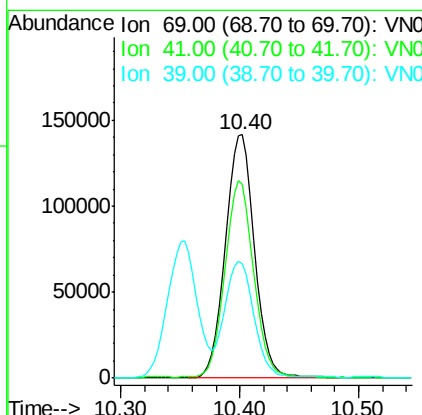
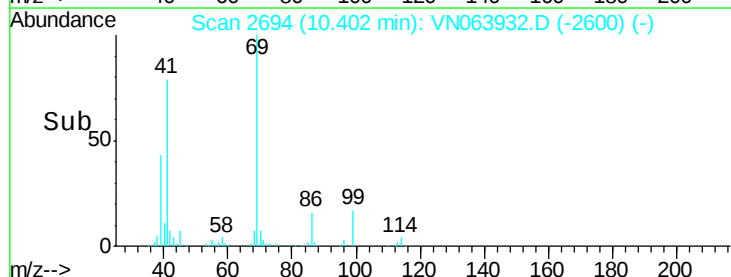
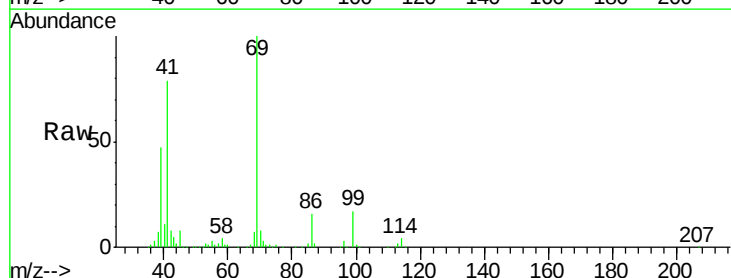
Manual Integrations
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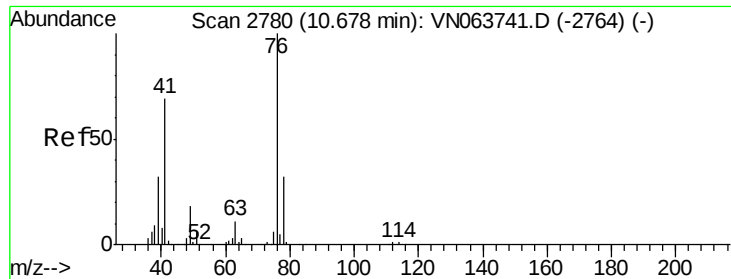
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#56
 Ethyl methacrylate
 Concen: 54.642 ug/l
 RT: 10.40 min Scan# 2694
 Delta R.T. 0.00 min
 Lab File: VN063932.D
 Acq: 7 Oct 2020 7:54

Tgt Ion:	69	Resp:	240776
Ion	Ratio	Lower	Upper
69	100		
41	79.1	61.1	91.7
39	47.7	42.2	63.4





#57

1,3-Dichloropropane

Concen: 53.277 ug/l

RT: 10.68 min Scan# 2780

Delta R.T. 0.00 min

Lab File: VN063932.D

Acq: 7 Oct 2020 7:54

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion: 76 Resp: 280198

Ion Ratio Lower Upper

76 100

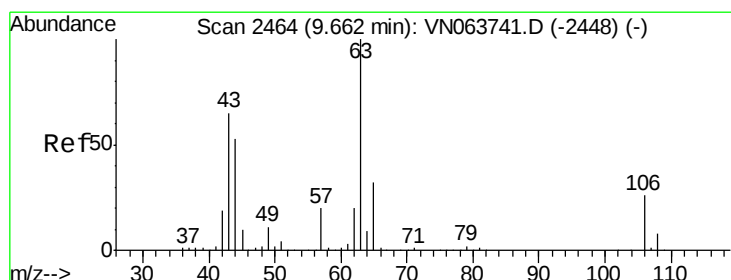
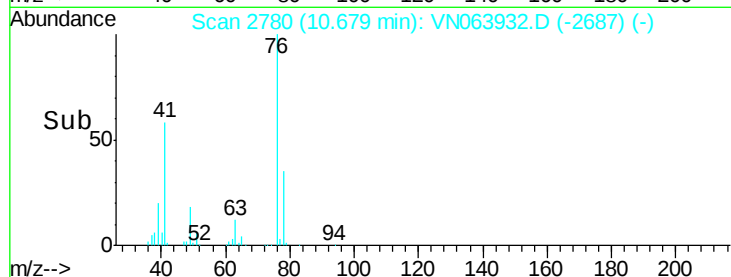
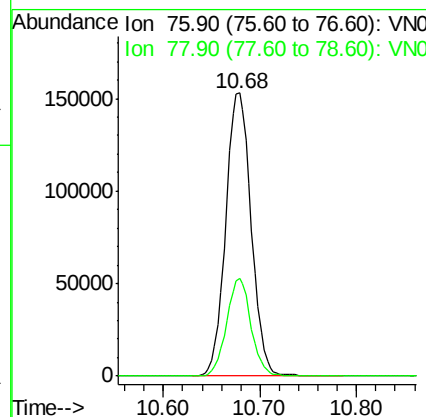
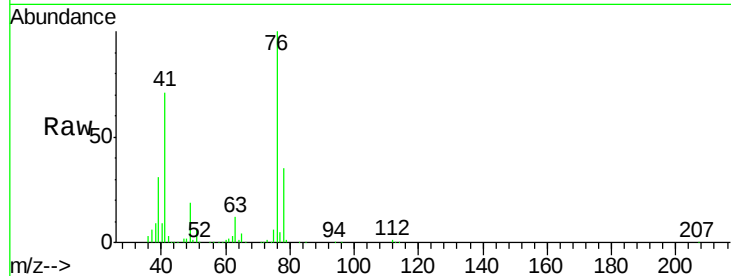
78 33.0 25.2 37.8

Manual Integrations

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10/7/2020 12:12:26 PM



#58

2-Chloroethyl Vinyl ether

Concen: 276.508 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN063932.D

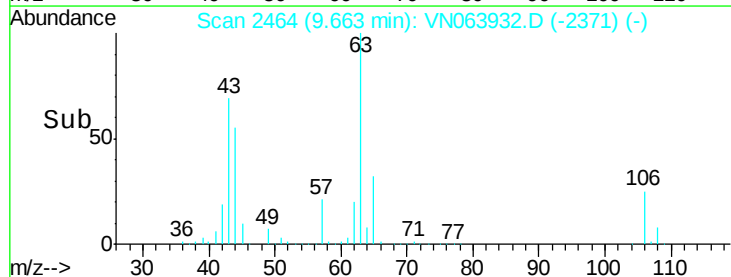
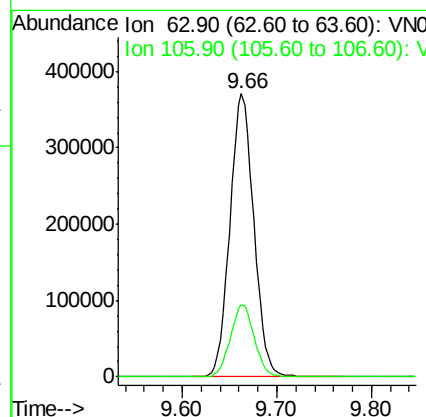
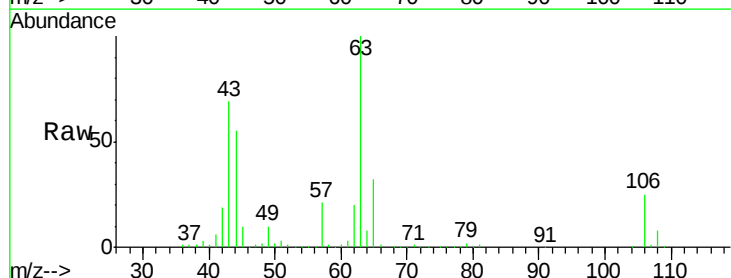
Acq: 7 Oct 2020 7:54

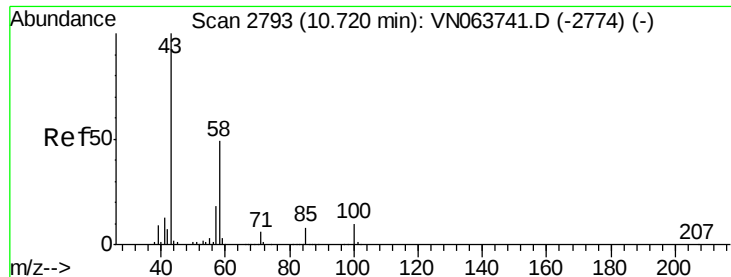
Tgt Ion: 63 Resp: 651738

Ion Ratio Lower Upper

63 100

106 25.5 20.7 31.1





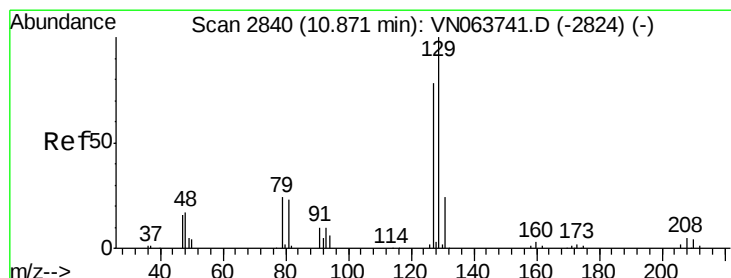
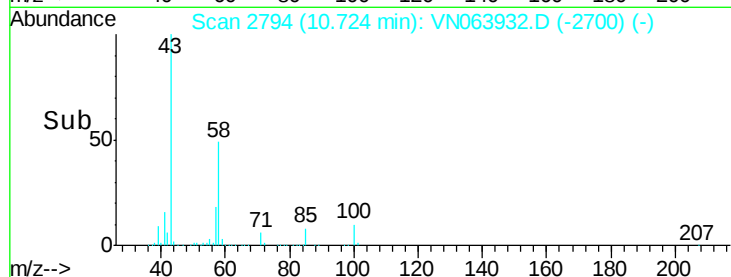
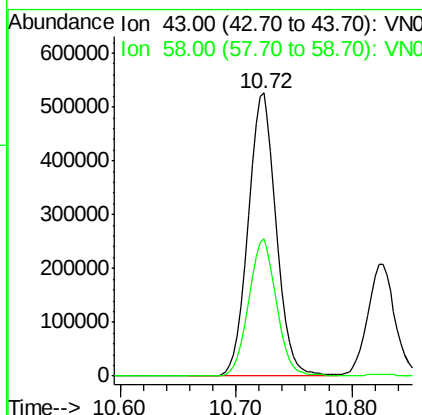
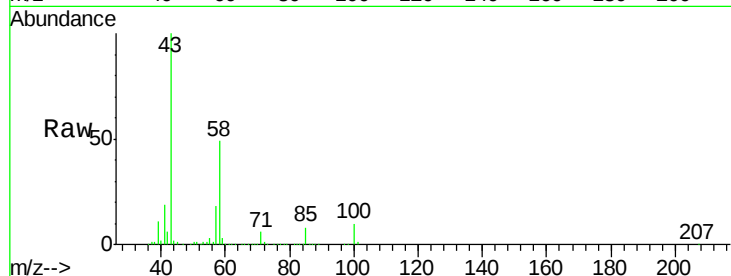
#59
2-Hexanone
Concen: 282.945 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN063932.D
Acq: 7 Oct 2020 7:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 886911
Ion Ratio Lower Upper
43 100
58 48.3 24.6 73.8

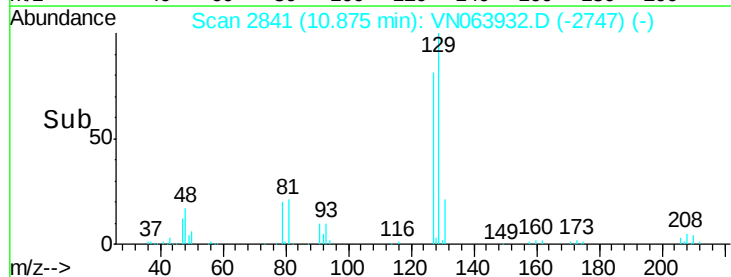
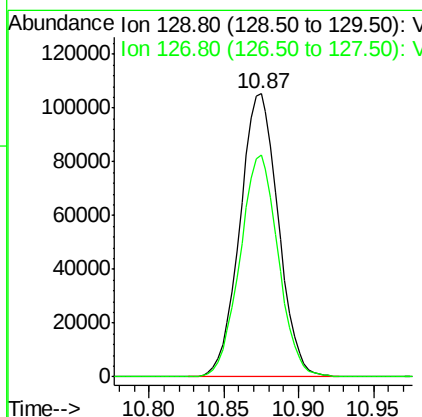
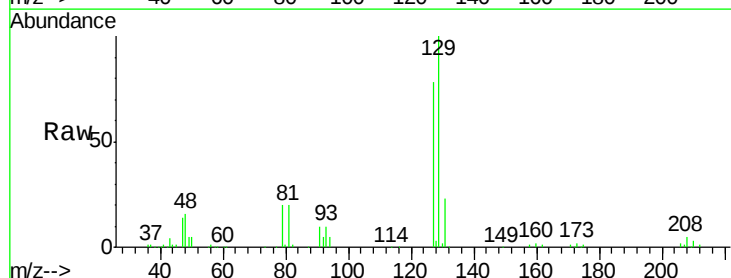
Manual Integrations
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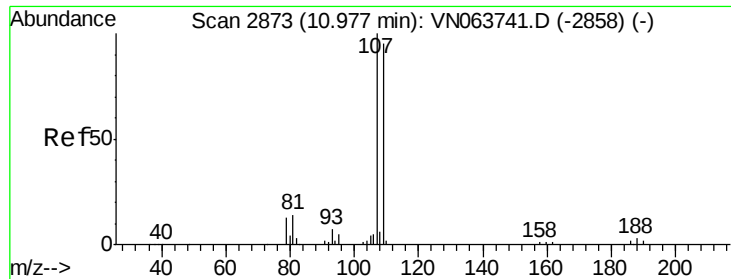
MMDadoda
10/7/2020 12:12:26 PM



#60
Dibromochloromethane
Concen: 52.161 ug/l
RT: 10.87 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VN063932.D
Acq: 7 Oct 2020 7:54

Tgt Ion: 129 Resp: 188840
Ion Ratio Lower Upper
129 100
127 77.8 38.9 116.7





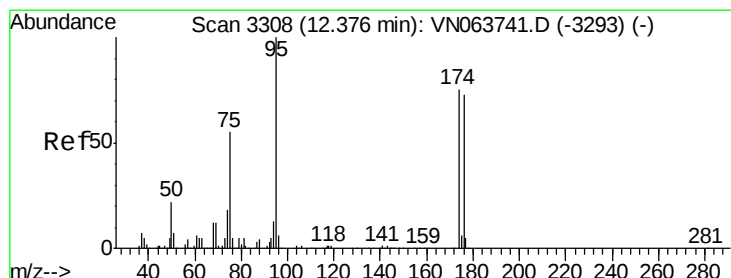
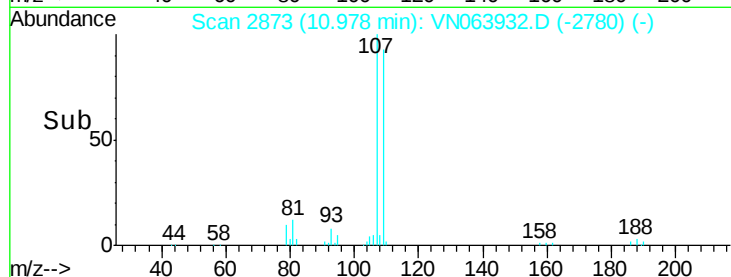
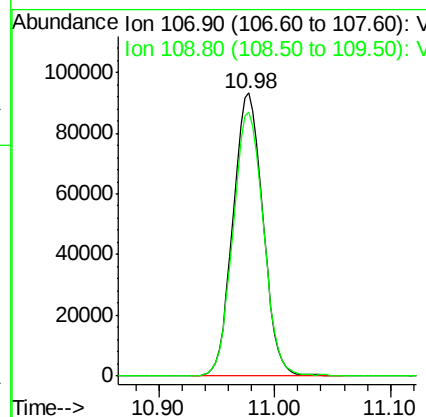
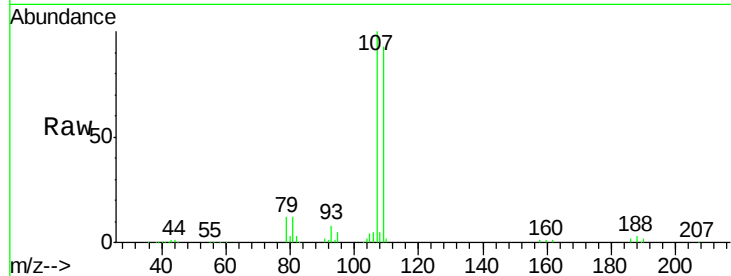
#61
 1,2-Dibromoethane
 Concen: 52.164 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN063932.D
 Acq: 7 Oct 2020 7:54

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.0	74.8	112.2

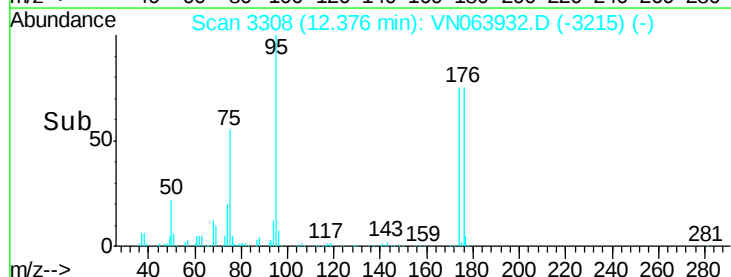
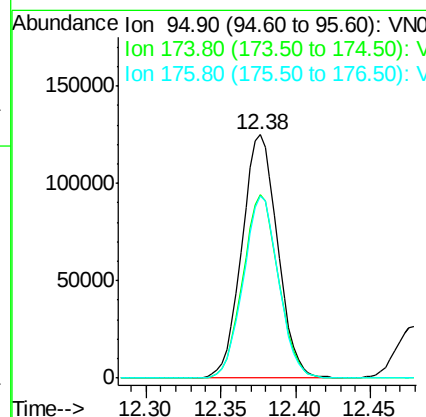
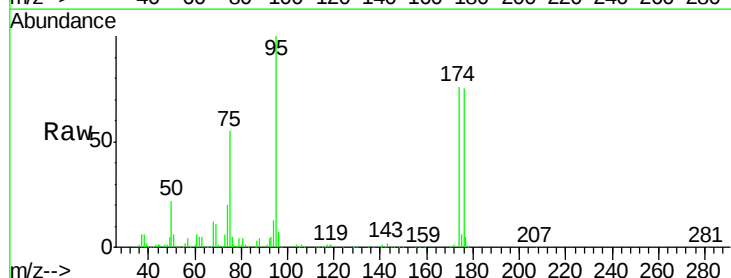
Manual Integrations
 APPROVED

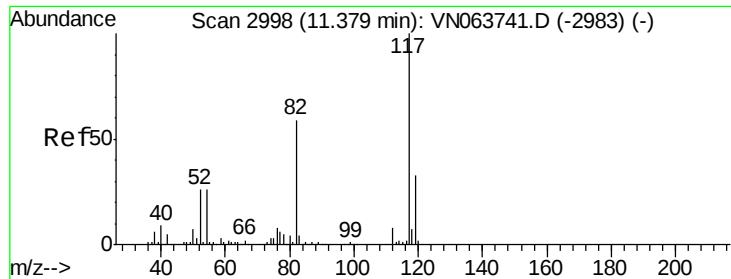
MMDadoda
 10/7/2020 12:12:26 PM



#62
 4-Bromofluorobenzene
 Concen: 48.579 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.00 min
 Lab File: VN063932.D
 Acq: 7 Oct 2020 7:54

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.3	0.0	150.6
176	73.6	0.0	145.4





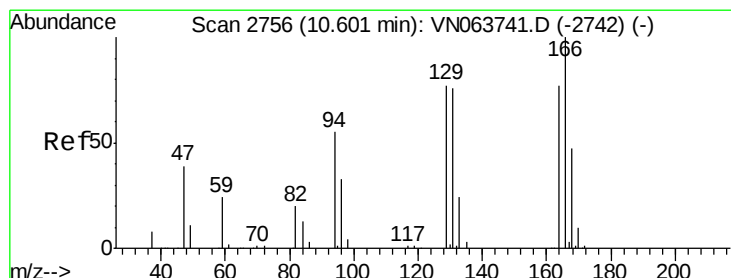
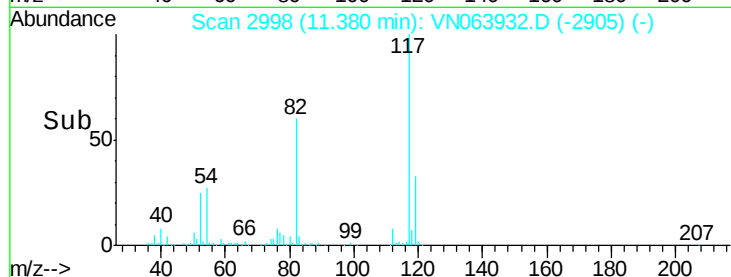
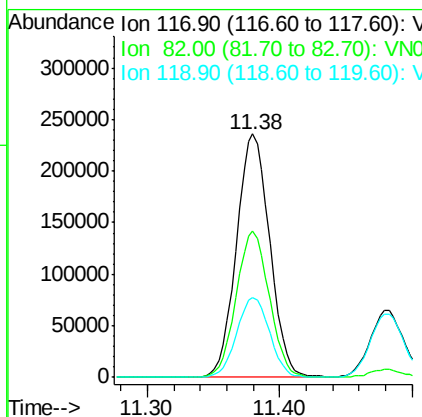
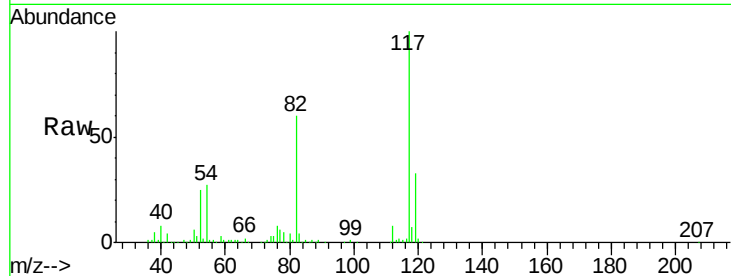
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN063932.D
Acq: 7 Oct 2020 7:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.2	47.4	71.2
119	33.0	26.4	39.6

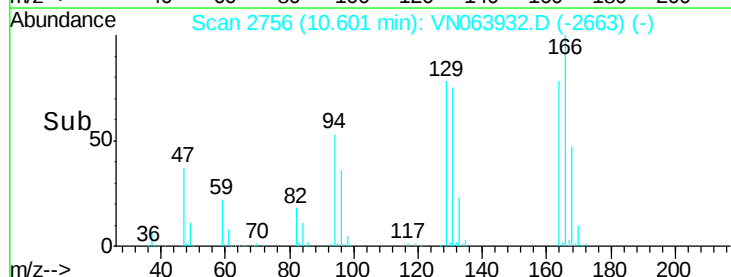
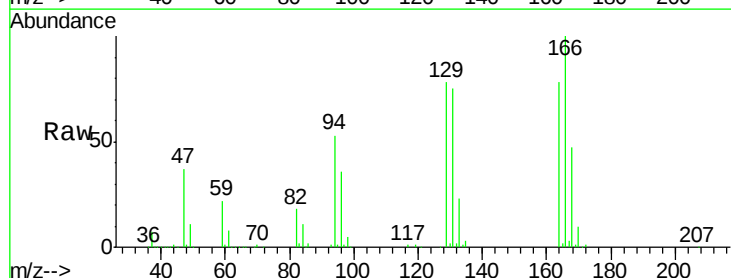
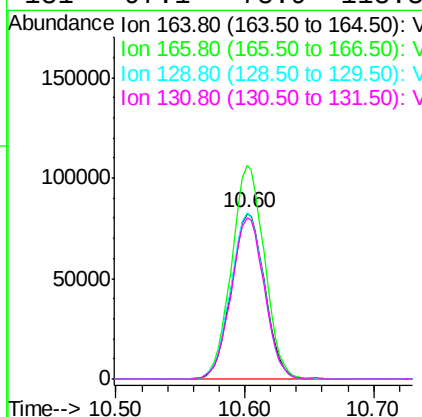
Manual Integrations
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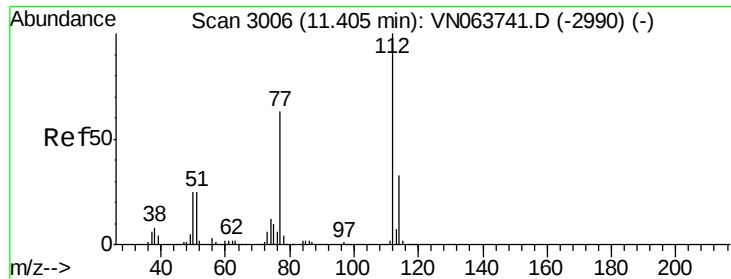
MMDadoda
10/7/2020 12:12:26 PM



#64
Tetrachloroethene
Concen: 46.580 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN063932.D
Acq: 7 Oct 2020 7:54

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.0	103.9	155.9
129	100.3	80.3	120.5
131	97.1	78.9	118.3





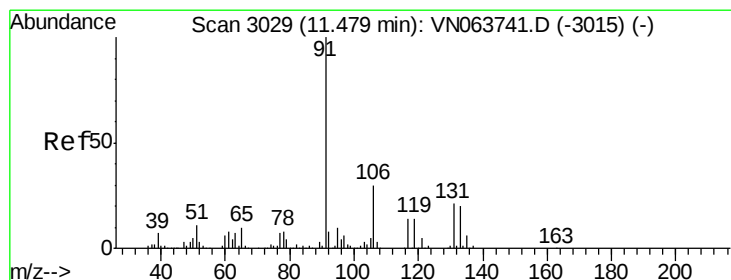
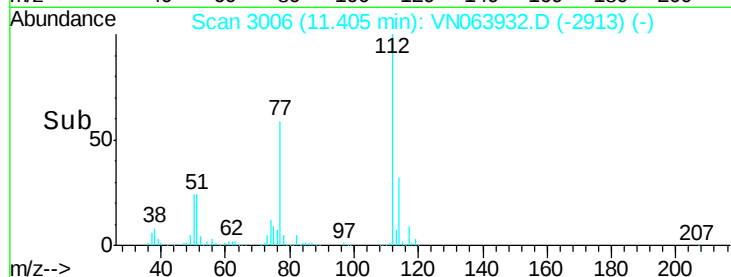
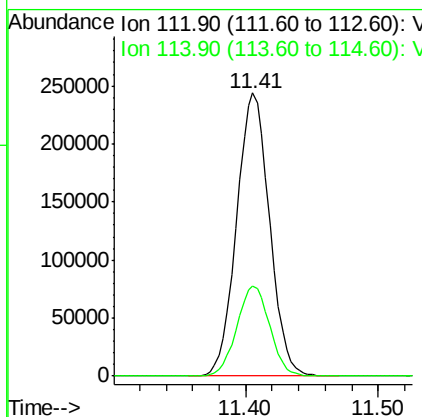
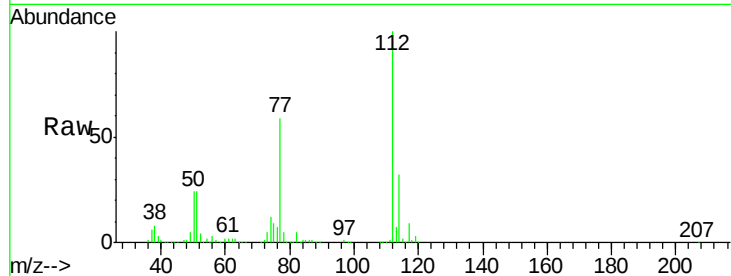
#65
Chlorobenzene
Concen: 49.764 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN063932.D
Acq: 7 Oct 2020 7:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.9	26.1	39.1

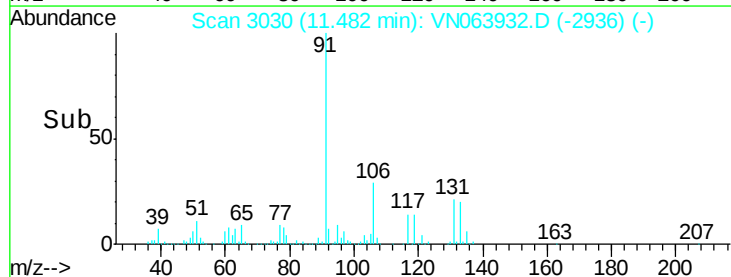
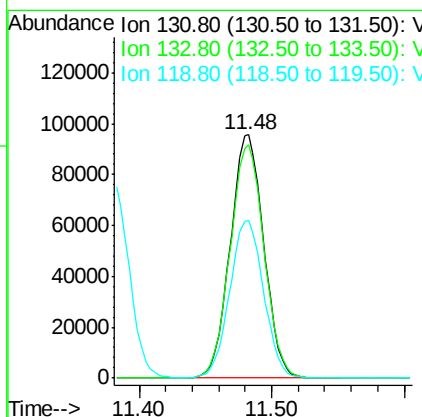
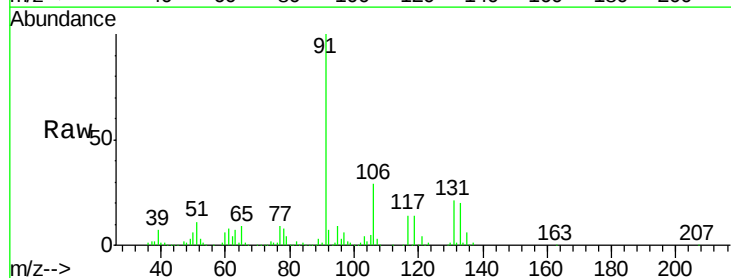
Manual Integrations
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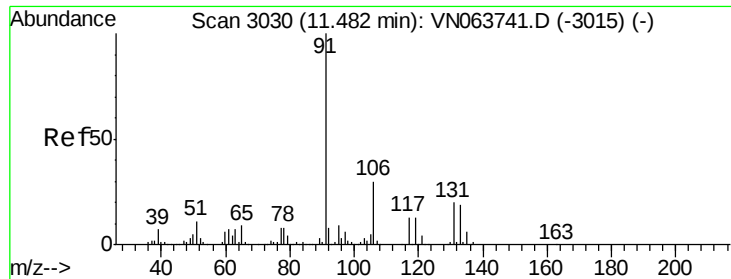
MMDadoda
10/7/2020 12:12:26 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.782 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN063932.D
Acq: 7 Oct 2020 7:54

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.5	47.3	141.8
119	65.7	32.6	97.7





#67

Ethyl Benzene

Concen: 49.607 ug/l

RT: 11.48 min Scan# 3030

Delta R.T. 0.00 min

Lab File: VN063932.D

Acq: 7 Oct 2020 7:54

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion: 91 Resp: 761637

Ion Ratio Lower Upper

91 100

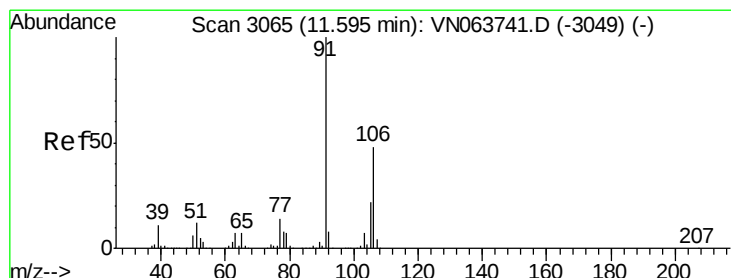
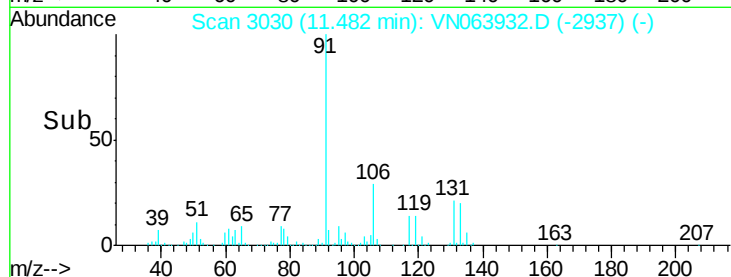
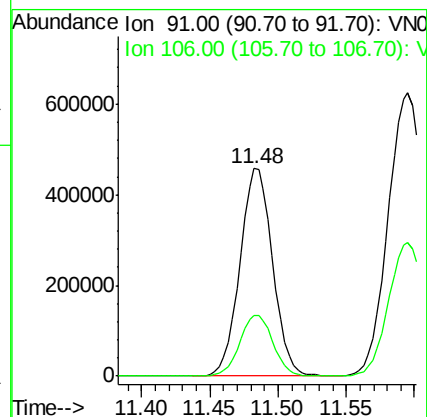
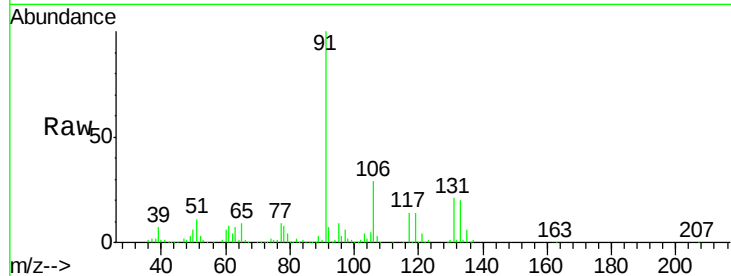
106 29.3 24.2 36.2

Manual Integrations

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#68

m/p-Xylenes

Concen: 97.681 ug/l

RT: 11.60 min Scan# 3065

Delta R.T. 0.00 min

Lab File: VN063932.D

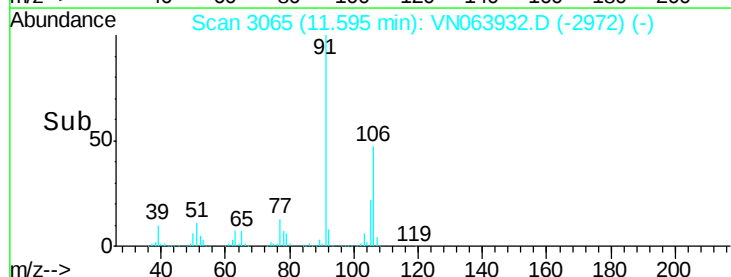
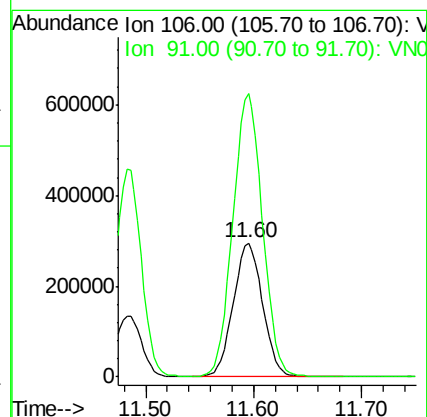
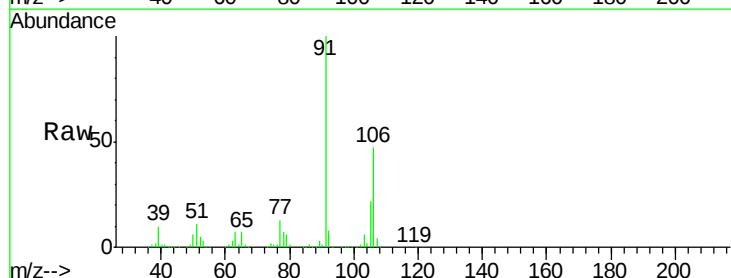
Acq: 7 Oct 2020 7:54

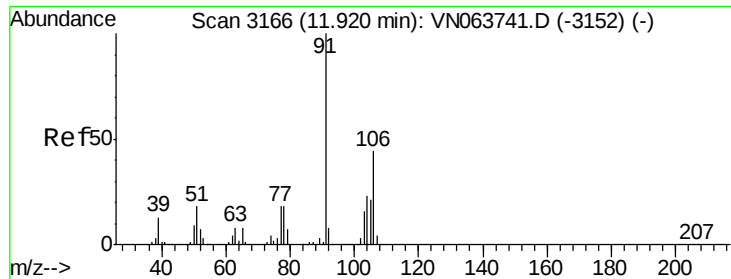
Tgt Ion: 106 Resp: 558943

Ion Ratio Lower Upper

106 100

91 212.6 168.0 252.0





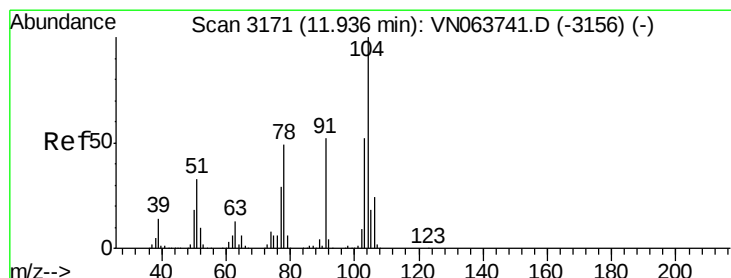
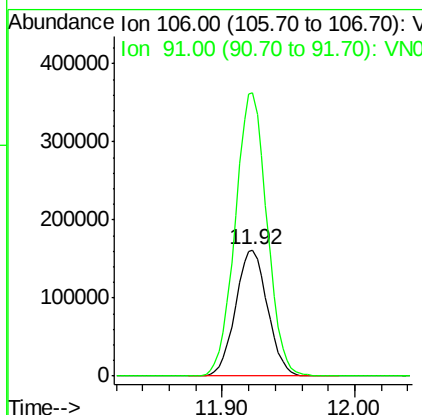
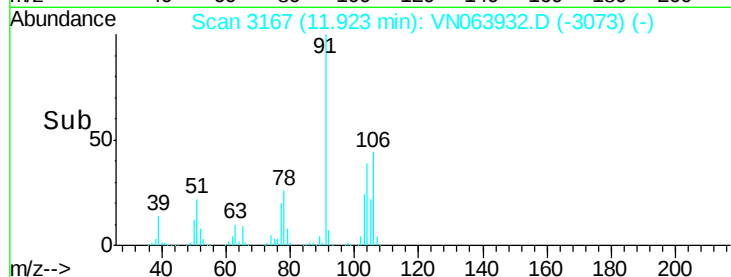
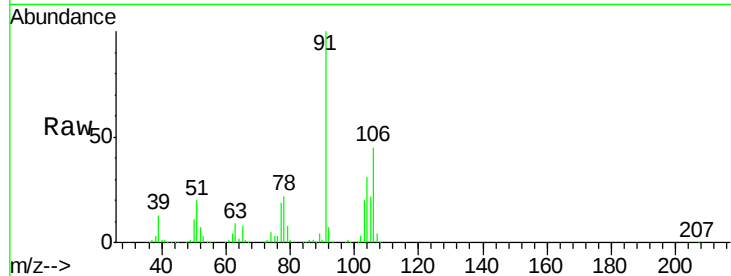
#69
o-Xylene
Concen: 50.711 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN063932.D
Acq: 7 Oct 2020 7:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		271220		
91	222.4	112.7	338.0		

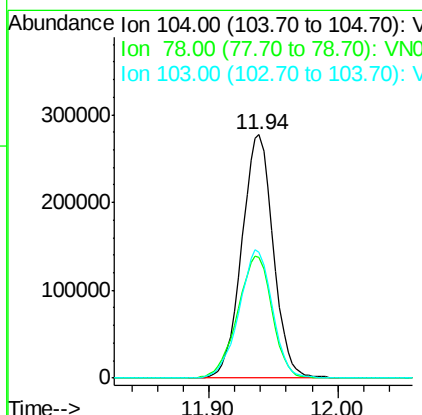
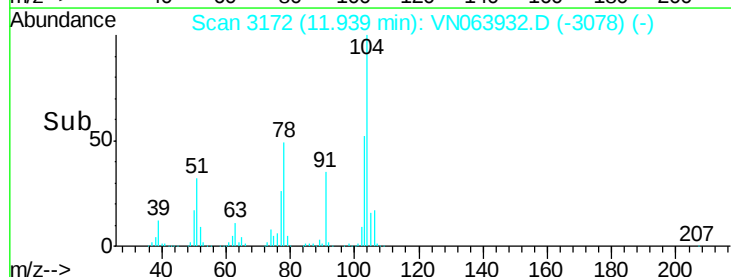
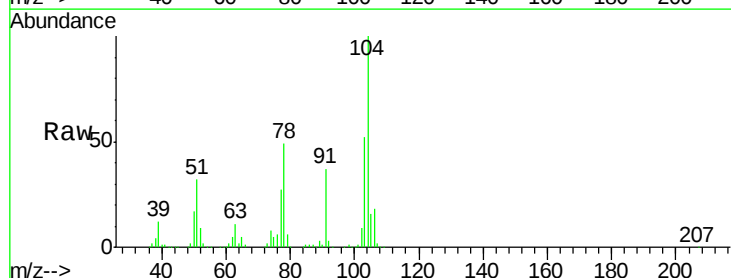
Manual Integrations
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#70
Styrene
Concen: 51.840 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. 0.00 min
Lab File: VN063932.D
Acq: 7 Oct 2020 7:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		470638		
78	55.4	44.1	66.1		
103	56.0	44.3	66.5		





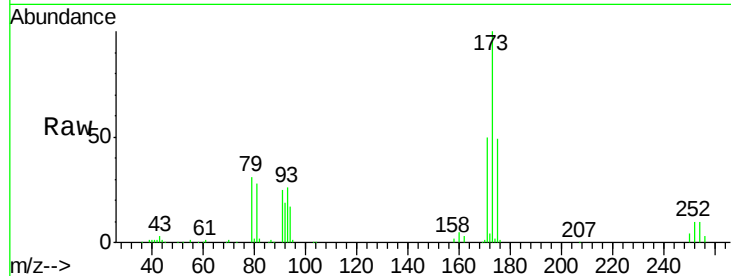
#71
Bromoform
Concen: 52.517 ug/l
RT: 12.10 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN063932.D
Acq: 7 Oct 2020 7:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

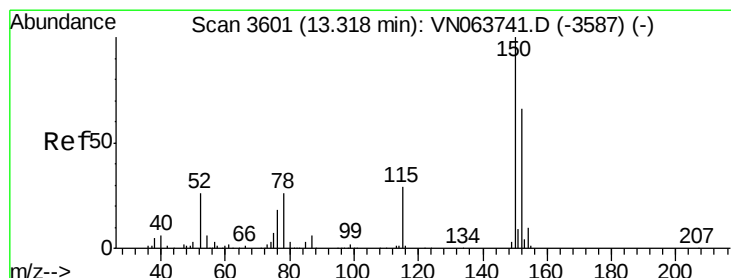
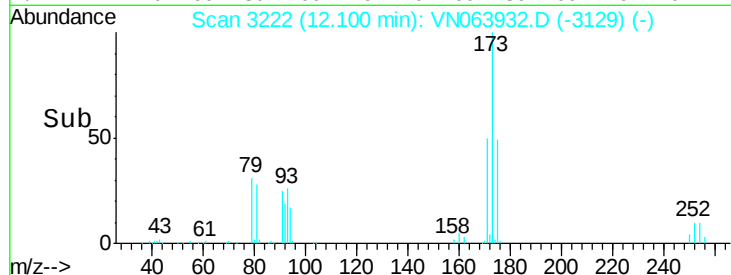
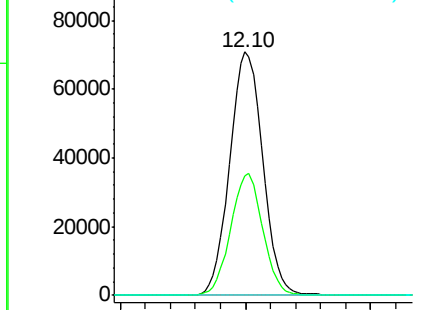
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	23.5	70.5
254	0.0	0.0	0.0

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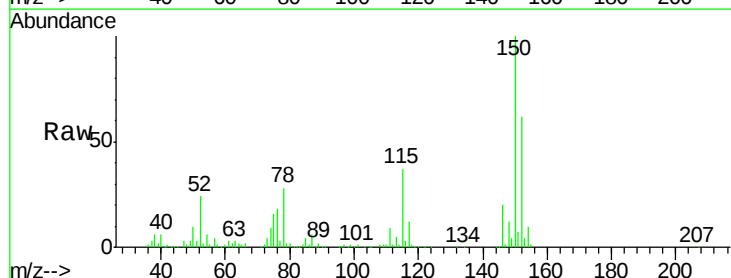


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

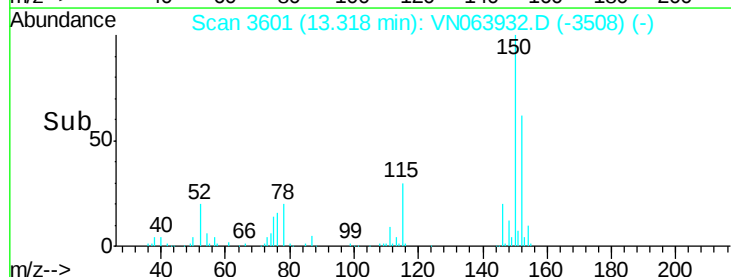
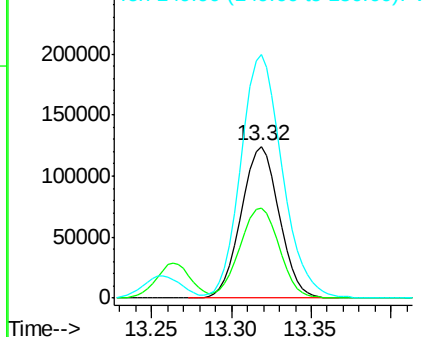


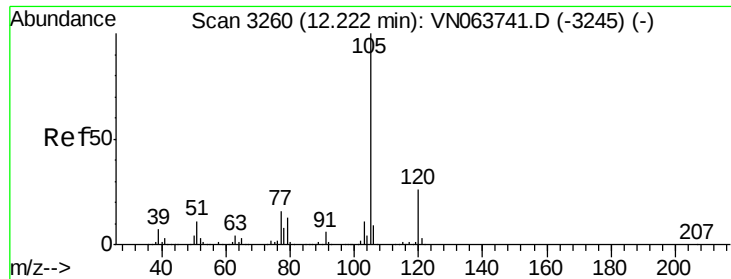
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN063932.D
Acq: 7 Oct 2020 7:54

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.0	31.3	93.8
150	174.4	0.0	341.8



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: 48.093 ug/l

RT: 12.23 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN063932.D

Acq: 7 Oct 2020 7:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 707955

Ion Ratio Lower Upper

105 100

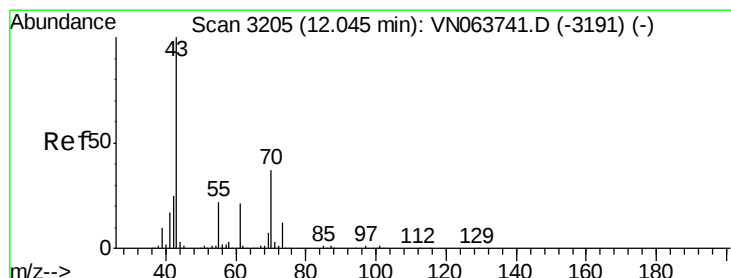
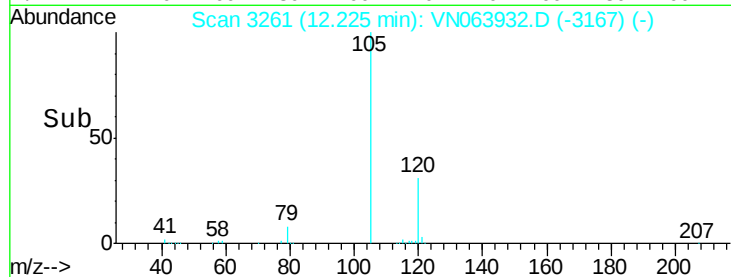
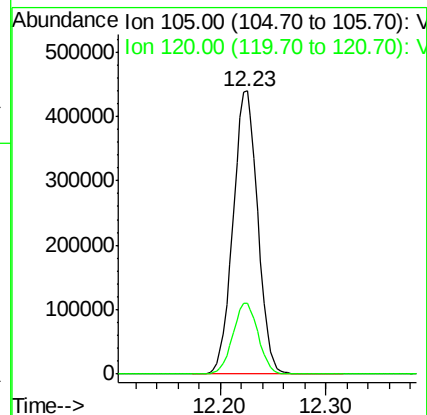
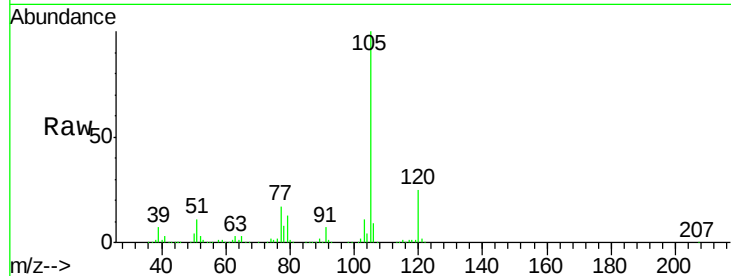
120 25.8 12.6 37.8

Manual Integrations

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#74

N-ethyl acetate

Concen: 50.905 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN063932.D

Acq: 7 Oct 2020 7:54

Tgt Ion: 43 Resp: 348574

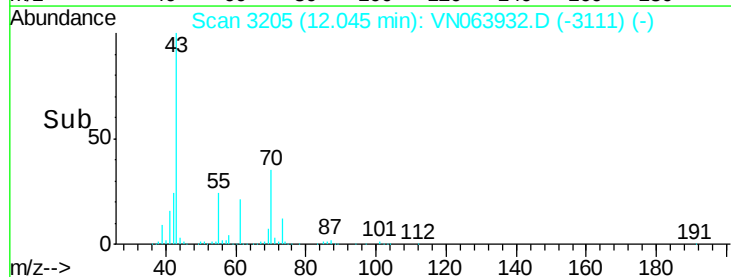
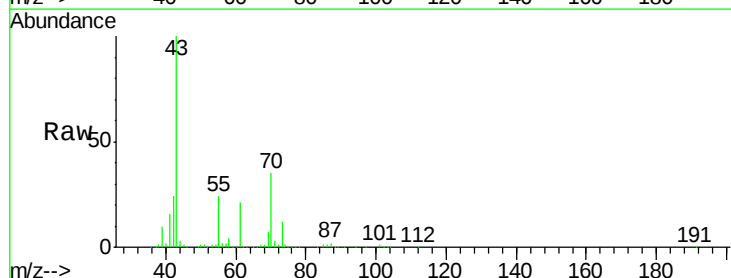
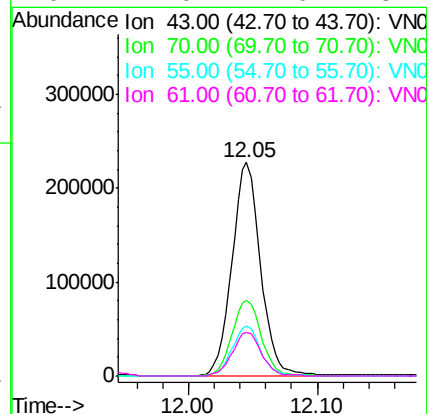
Ion Ratio Lower Upper

43 100

70 36.9 29.8 44.8

55 23.7 17.9 26.9

61 21.0 17.0 25.4





#75

1,1,2,2-Tetrachloroethane

Concen: 51.930 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN063932.D

Acq: 7 Oct 2020 7:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 233760

Ion Ratio Lower Upper

83 100

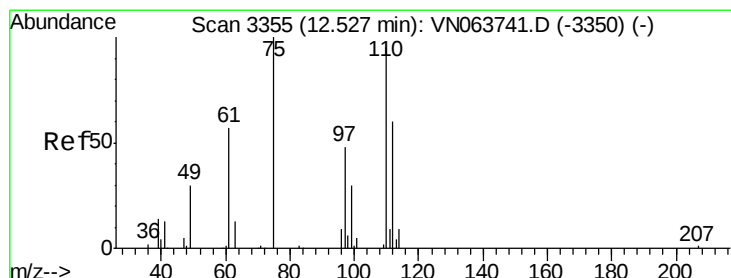
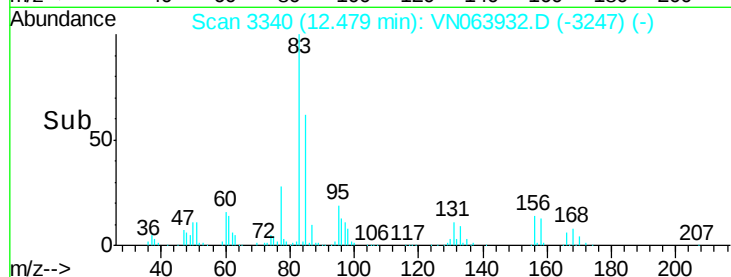
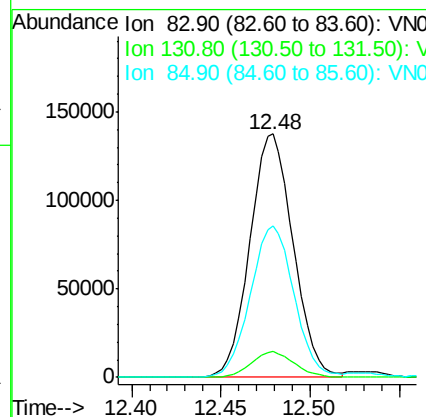
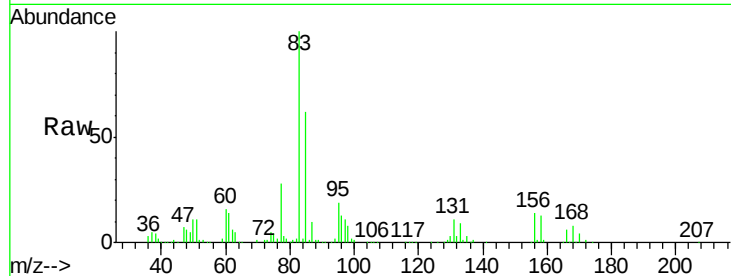
131 10.6 5.3 15.8

85 62.7 31.3 93.8

Manual Integrations
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10/7/2020 12:12:26 PM



#76

1,2,3-Trichloropropane

Concen: 48.672 ug/l m

RT: 12.53 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN063932.D

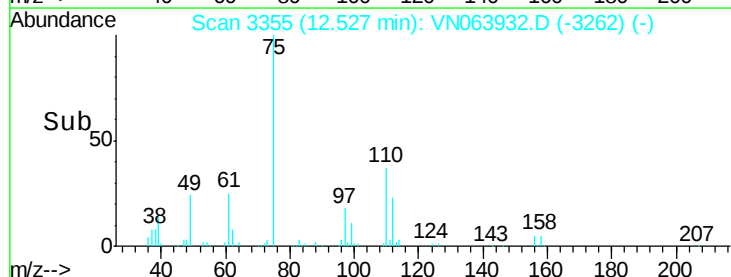
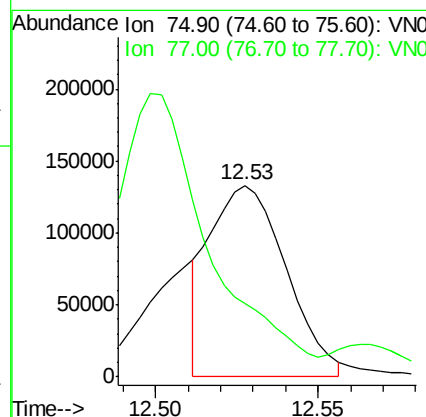
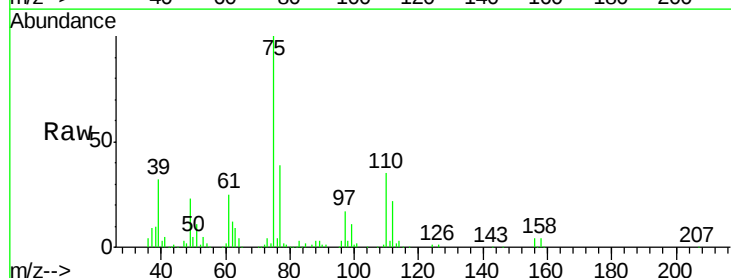
Acq: 7 Oct 2020 7:54

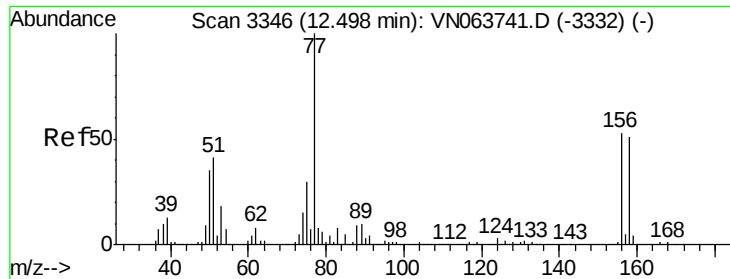
Tgt Ion: 75 Resp: 216535

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 50.093 ug/l

RT: 12.50 min Scan# 3347

Delta R.T. 0.00 min

Lab File: VN063932.D

Acq: 7 Oct 2020 7:54

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion:156 Resp: 180938

Ion Ratio Lower Upper

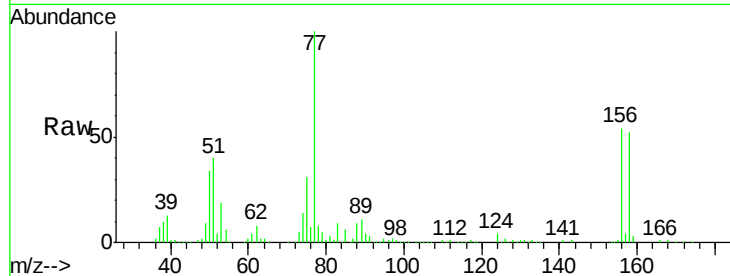
156 100

77 223.1 110.9 332.7

158 97.5 47.7 143.1

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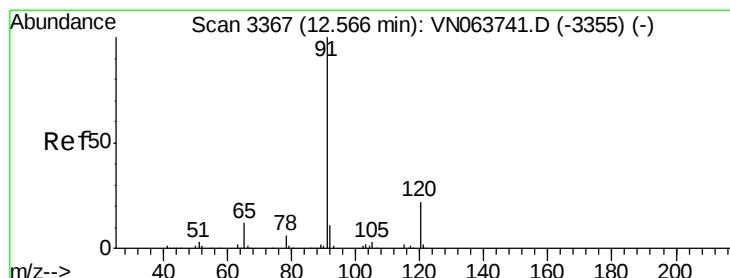
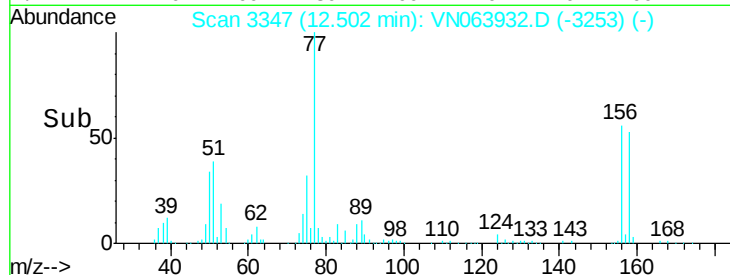
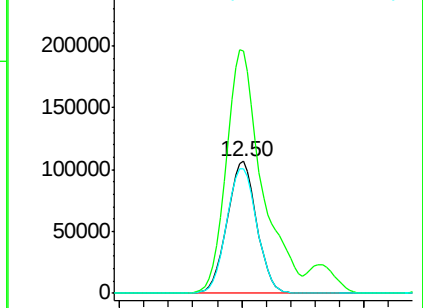
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 47.002 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN063932.D

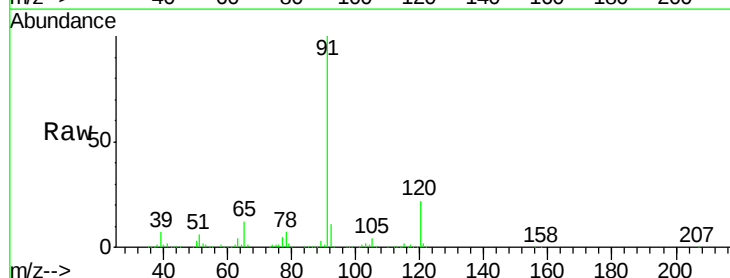
Acq: 7 Oct 2020 7:54

Tgt Ion: 91 Resp: 805231

Ion Ratio Lower Upper

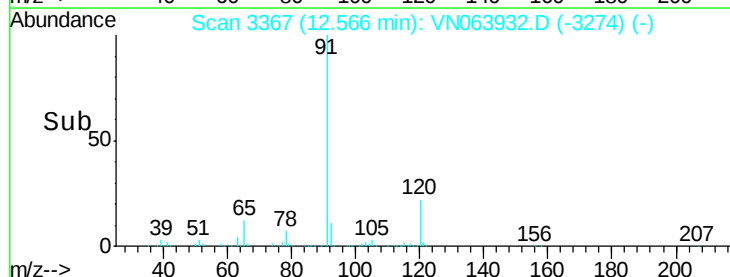
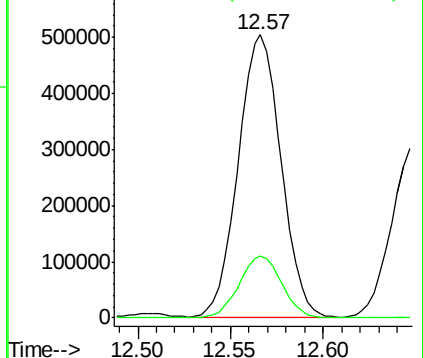
91 100

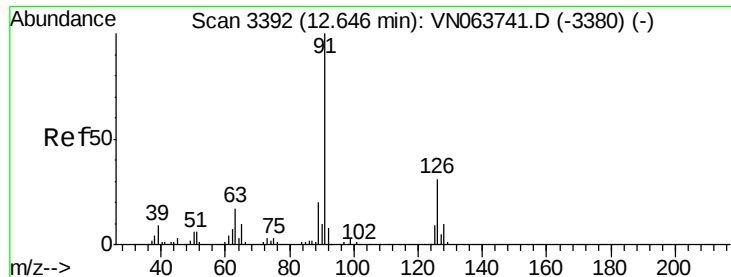
120 21.9 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.245 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN063932.D

Acq: 7 Oct 2020 7:54

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion: 91 Resp: 508329

Ion Ratio Lower Upper

91 100

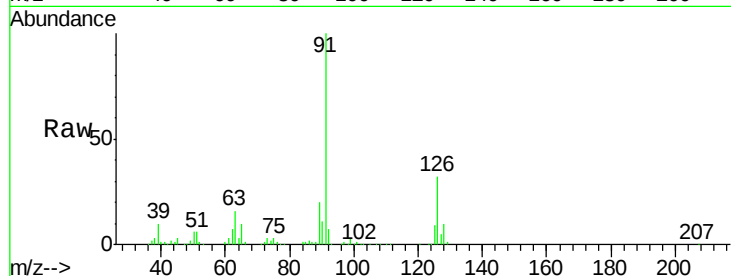
126 32.2 15.9 47.7

Manual Integrations

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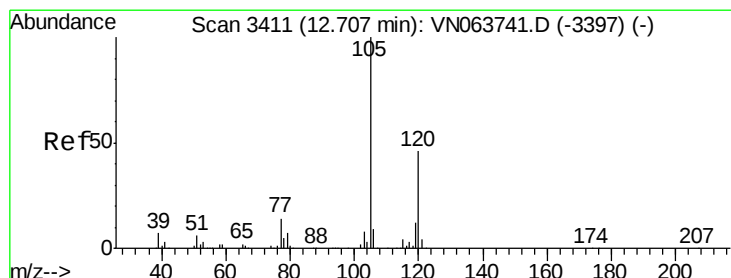
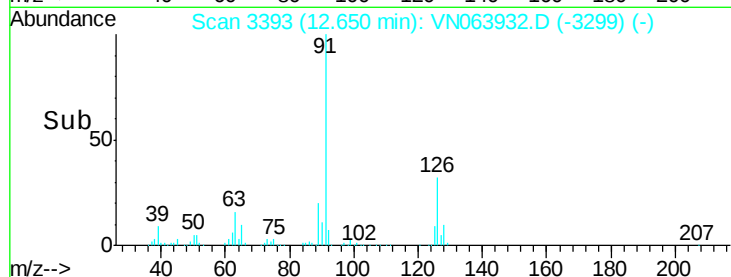
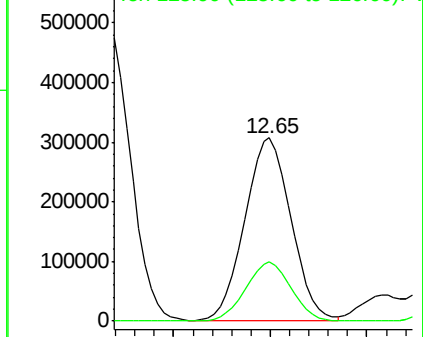
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Abundance Ion 91.00 (90.70 to 91.70): VN063932.D (-3393) (-)

Ion 125.90 (125.60 to 126.60): VN063932.D (-3393) (-)



#80

1,3,5-Trimethylbenzene

Concen: 49.000 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN063932.D

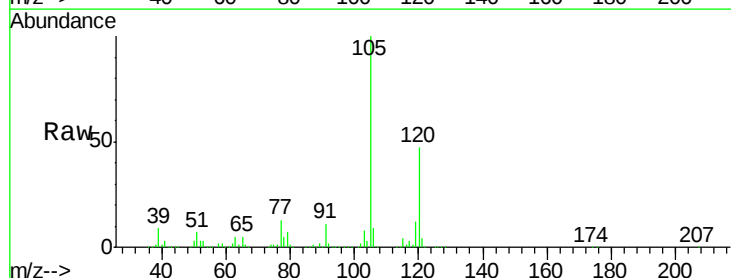
Acq: 7 Oct 2020 7:54

Tgt Ion: 105 Resp: 605142

Ion Ratio Lower Upper

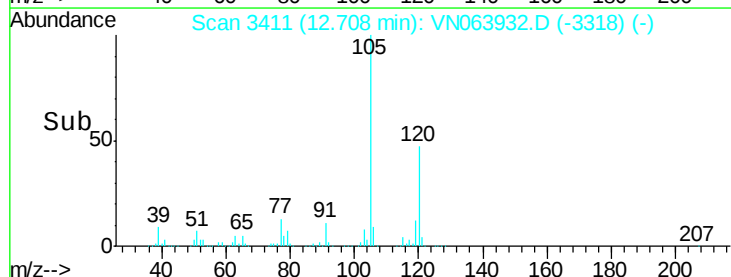
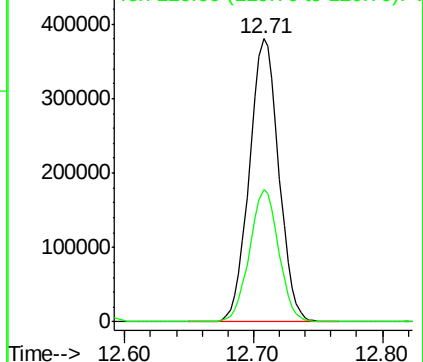
105 100

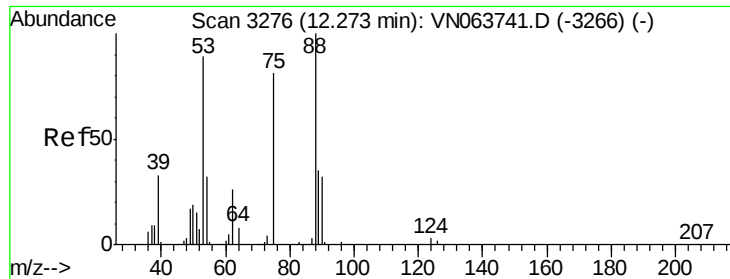
120 46.1 23.3 69.9



Abundance Ion 105.00 (104.70 to 105.70): VN063932.D (-3411) (-)

Ion 120.00 (119.70 to 120.70): VN063932.D (-3411) (-)





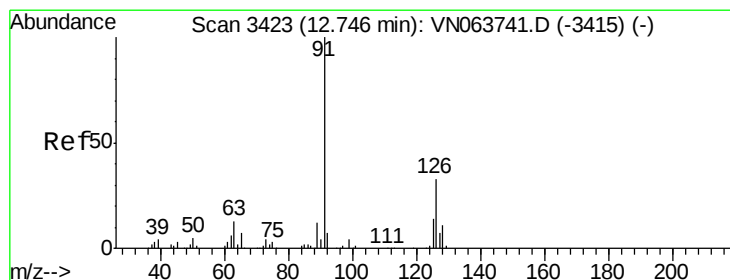
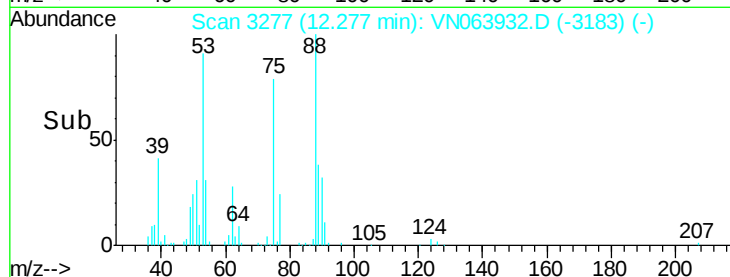
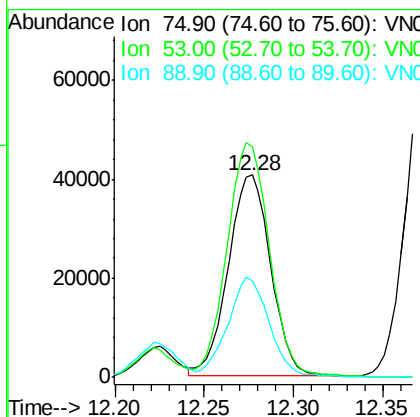
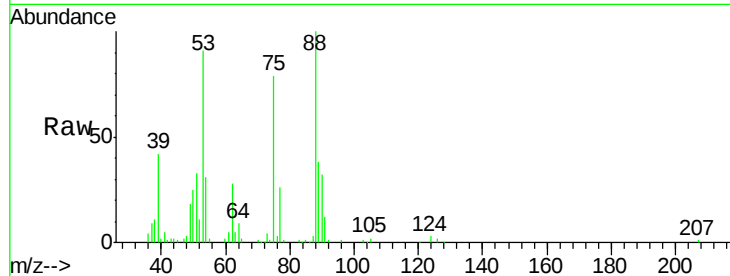
#81
trans-1,4-Dichloro-2-butene
Concen: 43.697 ug/l
RT: 12.28 min Scan# 3277
Delta R.T. 0.00 min
Lab File: VN063932.D
Acq: 7 Oct 2020 7:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	118.2	88.2	132.2
89	49.0	36.0	54.0

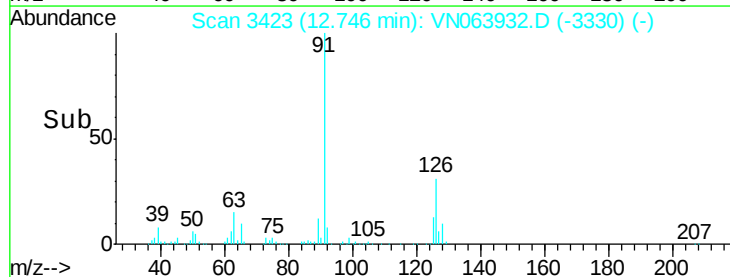
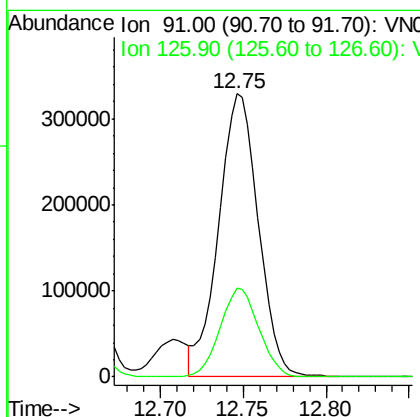
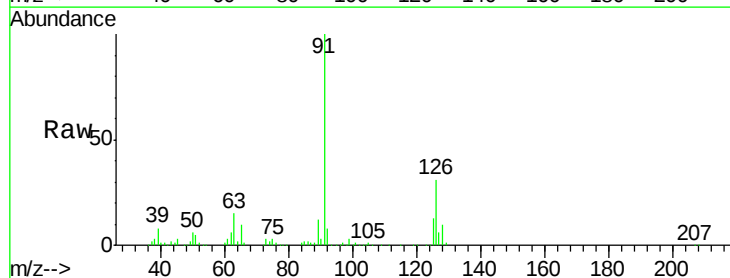
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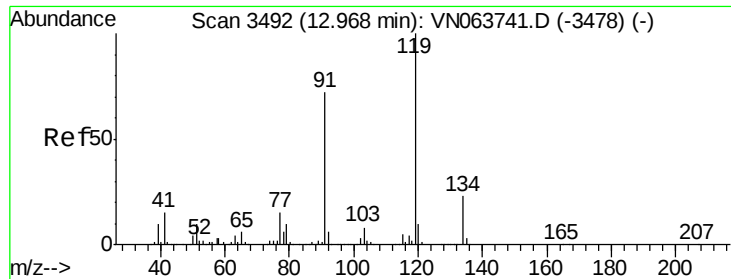
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#82
4-Chlorotoluene
Concen: 49.575 ug/l
RT: 12.75 min Scan# 3423
Delta R.T. 0.00 min
Lab File: VN063932.D
Acq: 7 Oct 2020 7:54

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.9	15.4	46.2





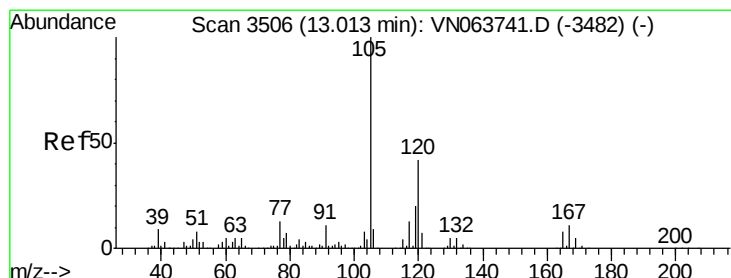
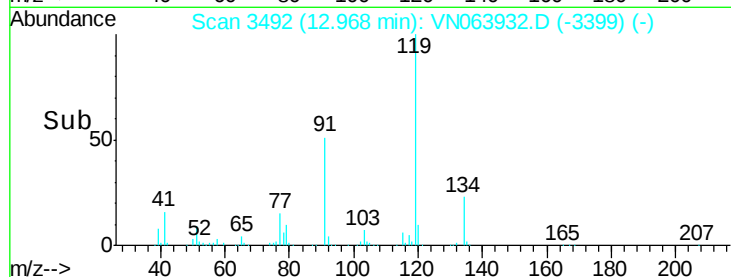
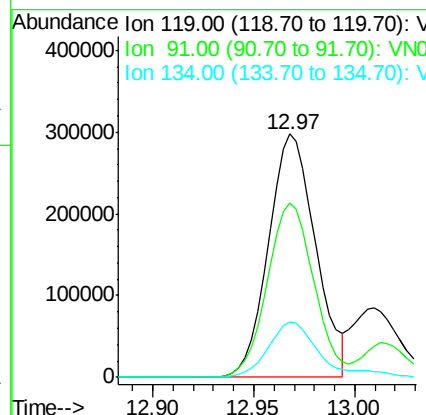
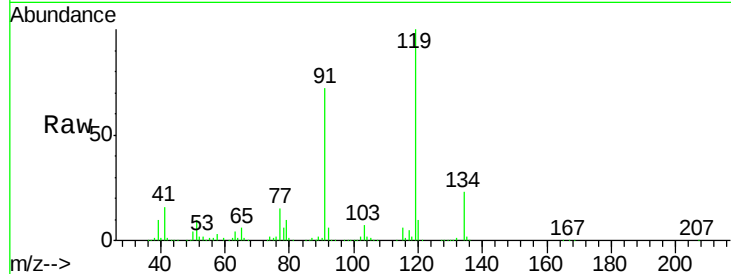
#83
 tert-Butylbenzene
 Concen: 47.727 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. 0.00 min
 Lab File: VN063932.D
 Acq: 7 Oct 2020 7:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	70.9	35.5	106.5
134	25.0	11.7	35.1

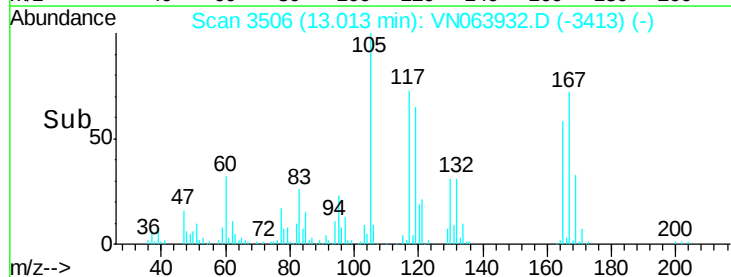
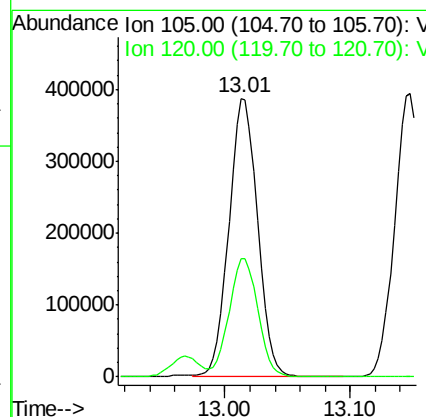
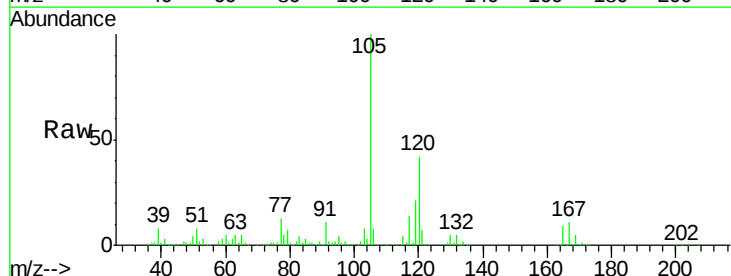
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#84
 1,2,4-Trimethylbenzene
 Concen: 49.573 ug/l
 RT: 13.01 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN063932.D
 Acq: 7 Oct 2020 7:54

Tgt Ion	Ratio	Lower	Upper
105	100		
120	42.7	20.9	62.7





#85

sec-Butylbenzene

Concen: 46.937 ug/l

RT: 13.15 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN063932.D

Acq: 7 Oct 2020 7:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 622769

Ion Ratio Lower Upper

105 100

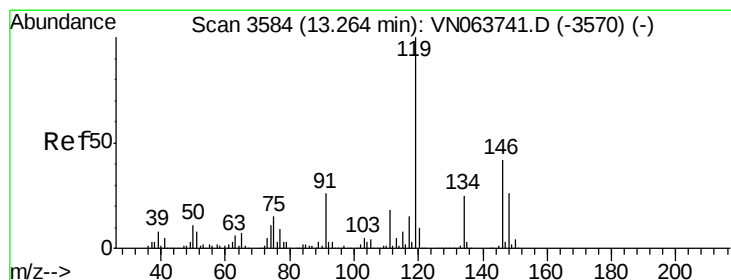
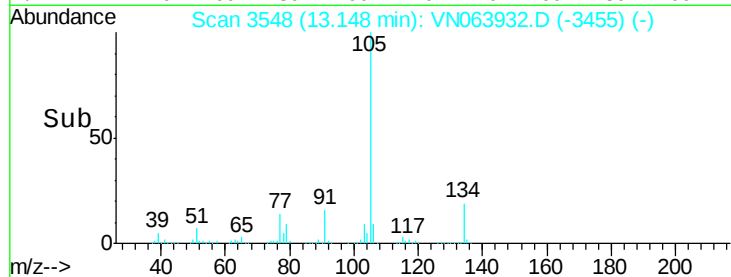
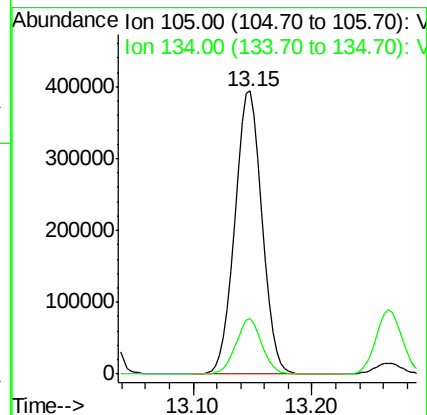
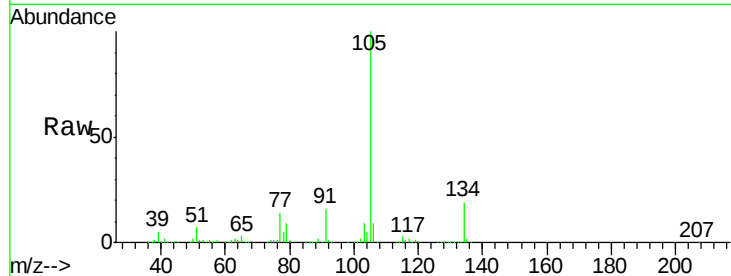
134 18.6 9.5 28.5

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 47.020 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN063932.D

Acq: 7 Oct 2020 7:54

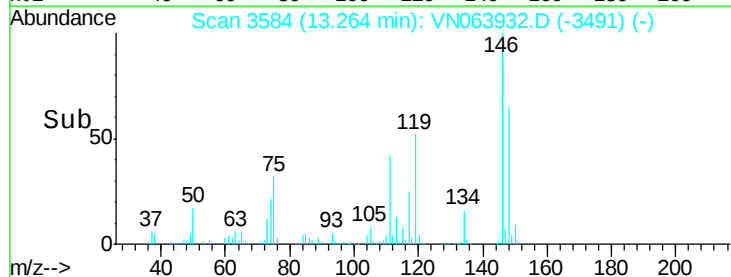
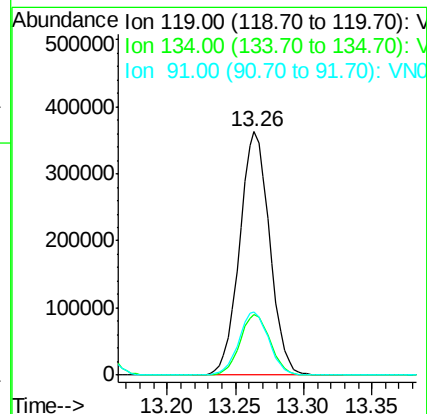
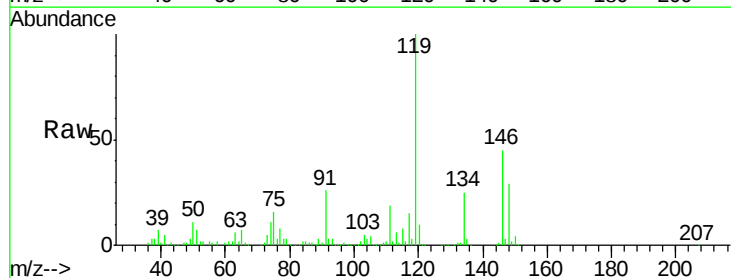
Tgt Ion:119 Resp: 551905

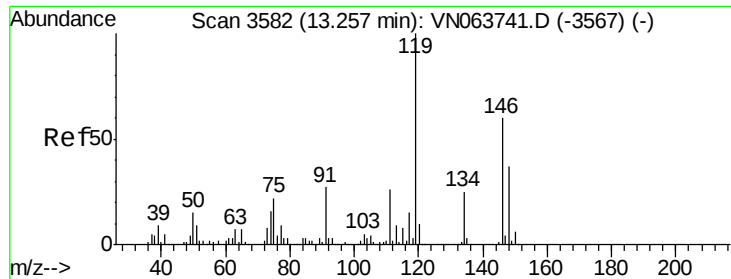
Ion Ratio Lower Upper

119 100

134 25.0 12.6 37.8

91 25.8 13.4 40.2





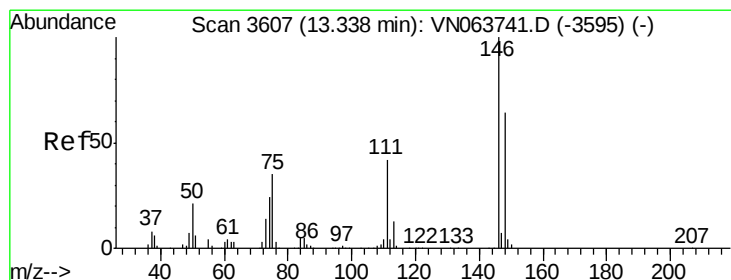
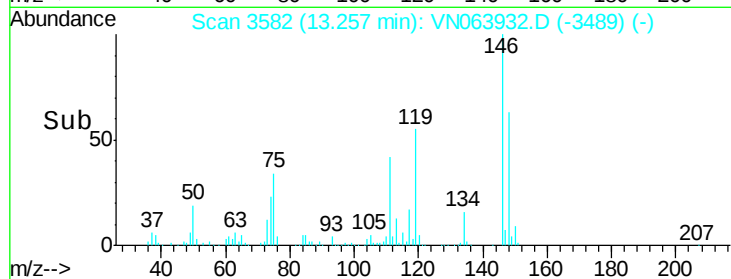
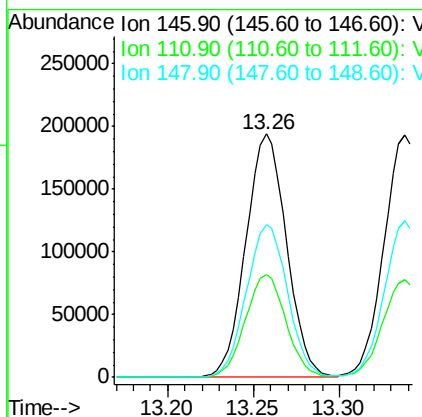
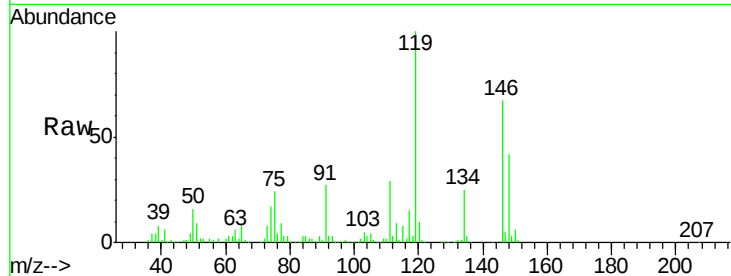
#87
 1,3-Dichlorobenzene
 Concen: 48.808 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN063932.D
 Acq: 7 Oct 2020 7:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	318942		
111	42.1	21.5	64.5	
148	63.7	31.1	93.3	

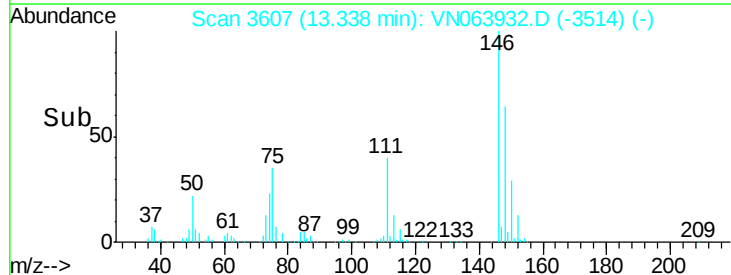
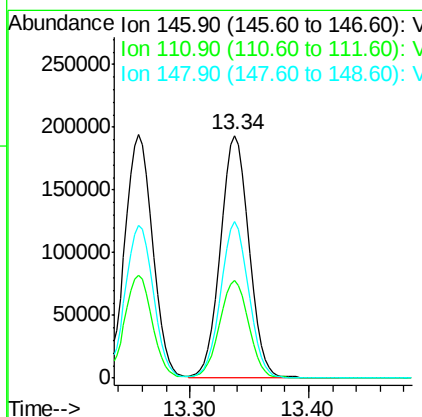
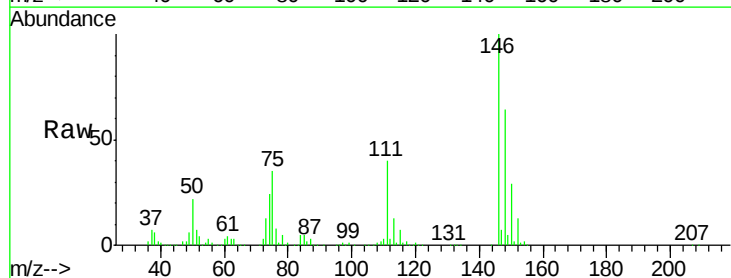
Manual Integrations
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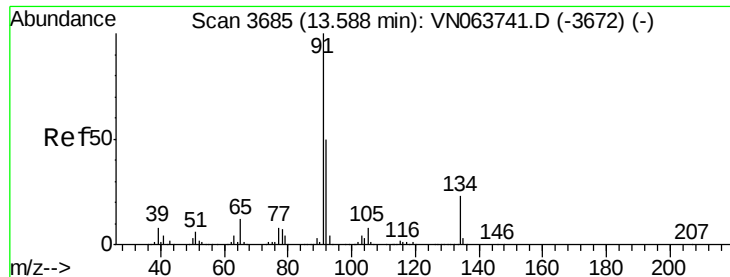
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#88
 1,4-Dichlorobenzene
 Concen: 47.377 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN063932.D
 Acq: 7 Oct 2020 7:54

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	322352		
111	41.0	21.3	63.7	
148	63.5	32.0	96.0	





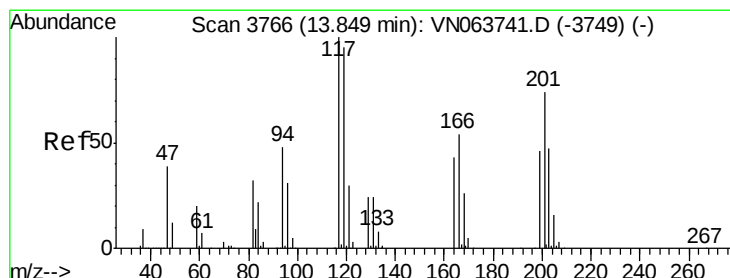
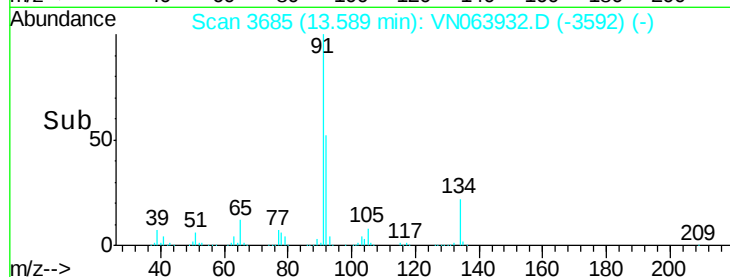
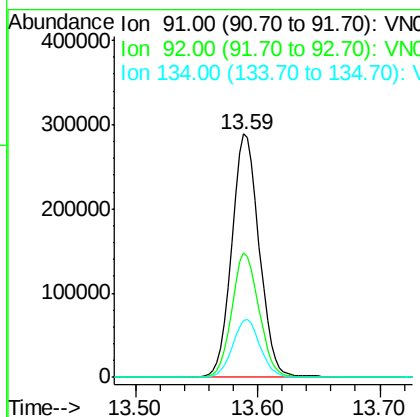
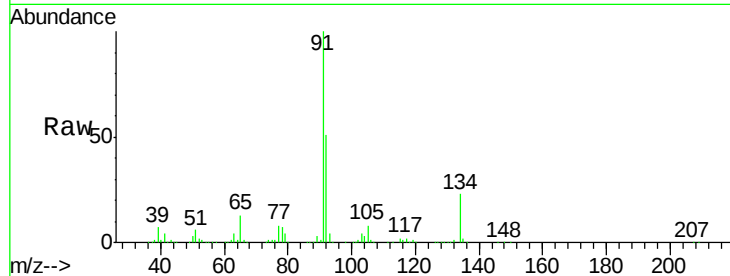
#89
n-Butylbenzene
Concen: 41.850 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN063932.D
Acq: 7 Oct 2020 7:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.5	25.4	76.4
134	23.8	11.7	35.1

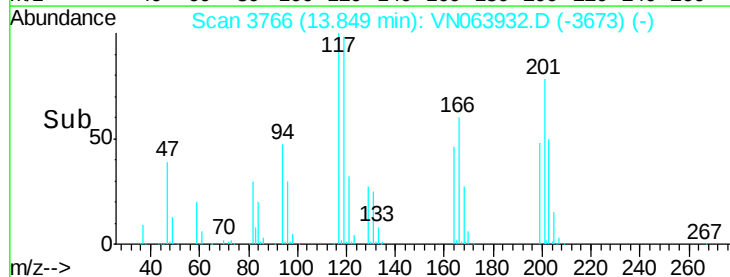
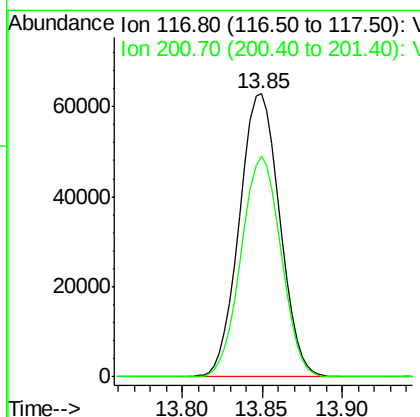
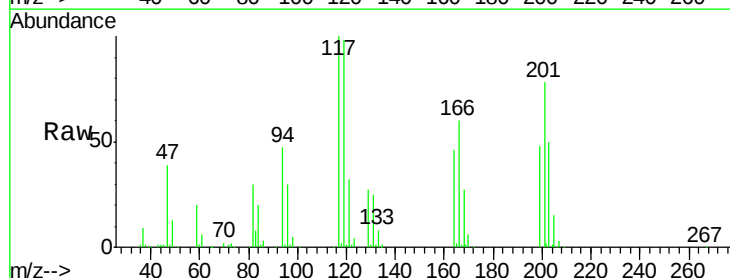
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#90
Hexachloroethane
Concen: 47.610 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN063932.D
Acq: 7 Oct 2020 7:54

Tgt Ion	Ratio	Lower	Upper
117	100		
201	76.9	36.0	108.0





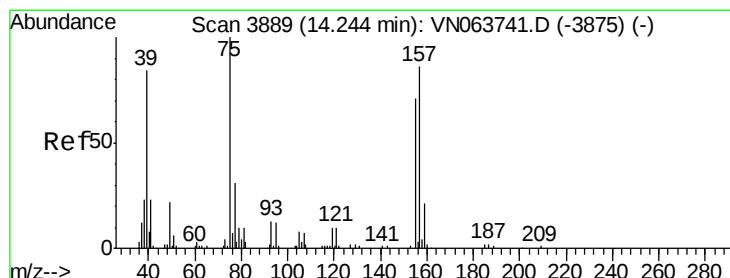
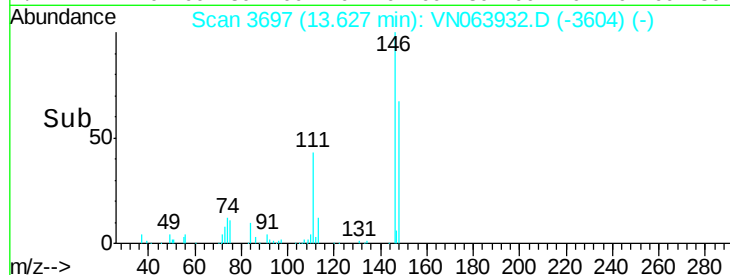
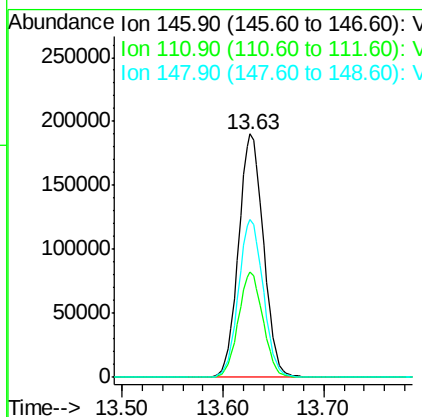
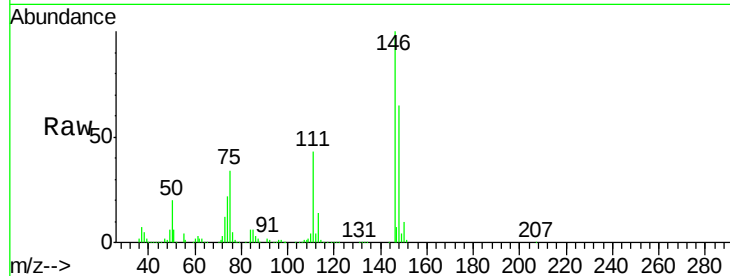
#91
 1,2-Dichlorobenzene
 Concen: 50.277 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN063932.D
 Acq: 7 Oct 2020 7:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.6	22.2	66.6
148	64.2	32.5	97.4

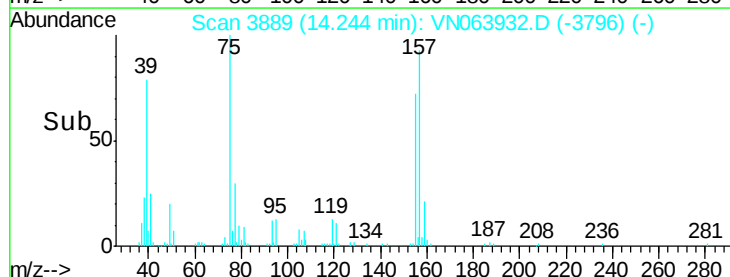
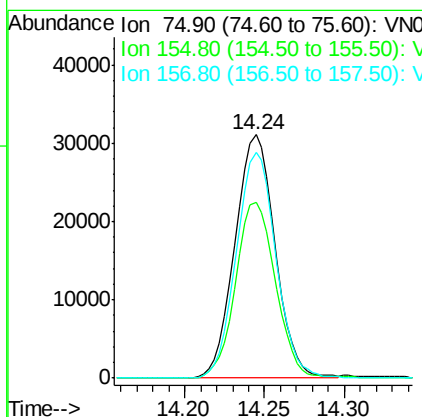
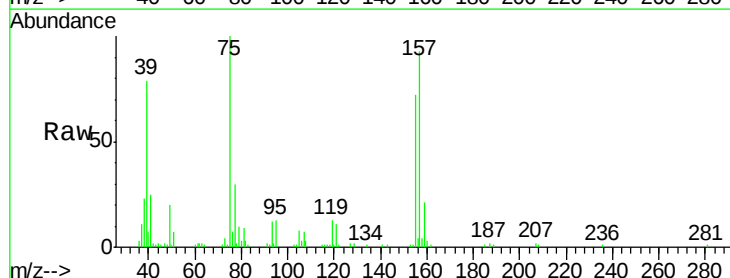
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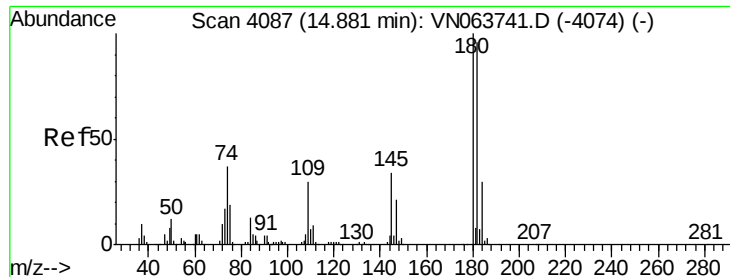
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 10/7/2020 12:12:26 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.253 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN063932.D
 Acq: 7 Oct 2020 7:54

Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.0	34.8	104.5
157	91.5	43.7	131.1





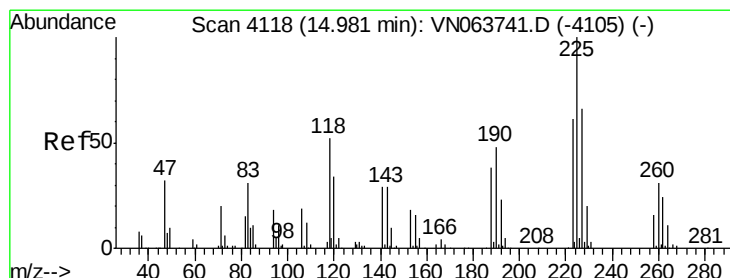
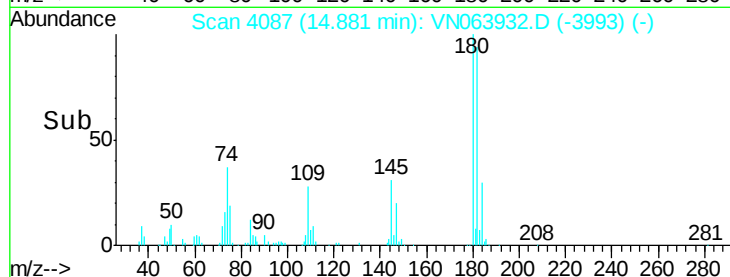
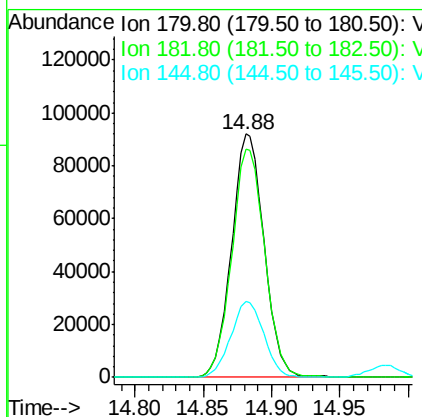
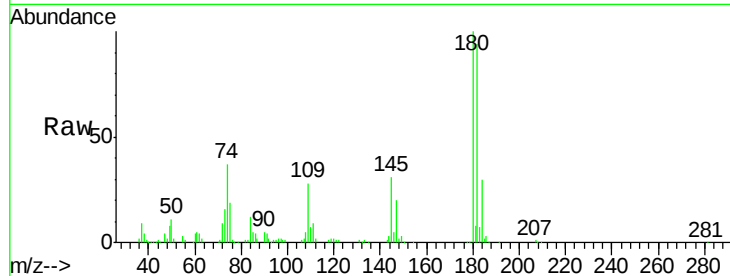
#93
 1,2,4-Trichlorobenzene
 Concen: 43.339 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN063932.D
 Acq: 7 Oct 2020 7:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	151687		
182	95.3	48.2	144.6	
145	32.0	17.1	51.2	

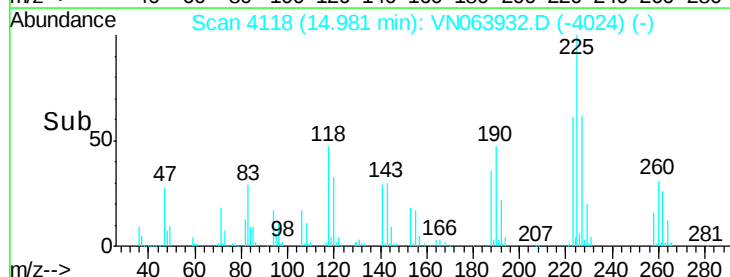
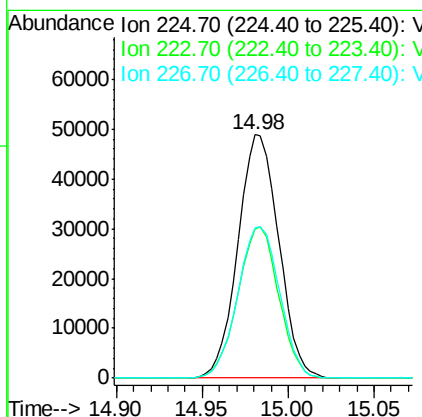
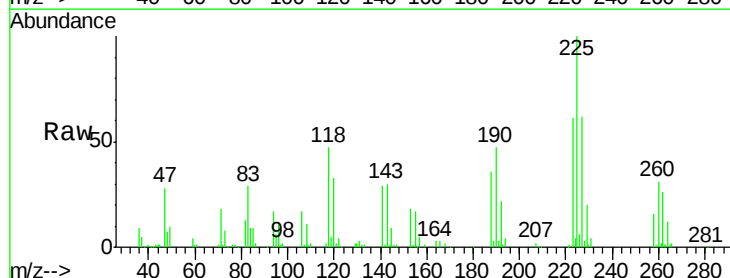
Manual Integrations
 APPROVED

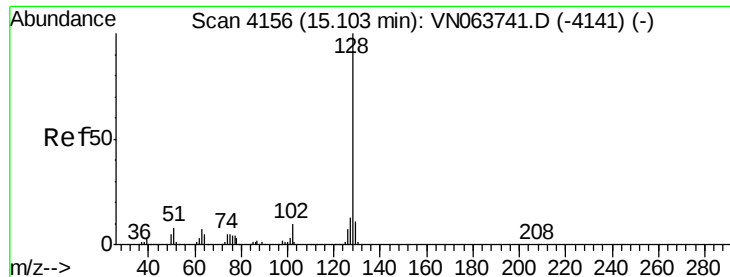
MMDadoda
 10/7/2020 12:12:26 PM



#94
 Hexachlorobutadiene
 Concen: 46.051 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN063932.D
 Acq: 7 Oct 2020 7:54

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	80807		
223	62.0	30.3	91.0	
227	64.0	31.9	95.5	





#95

Naphthalene

Concen: 43.777 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN063932.D

Acq: 7 Oct 2020 7:54

Instrument :

MSVOA_N

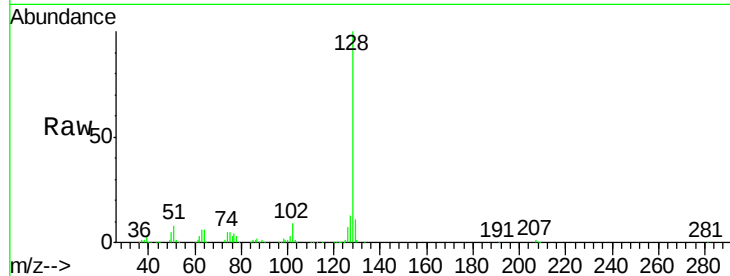
ClientSampleId :

VSTDCCC050EC

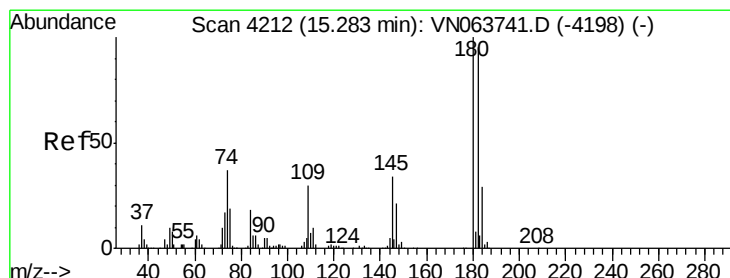
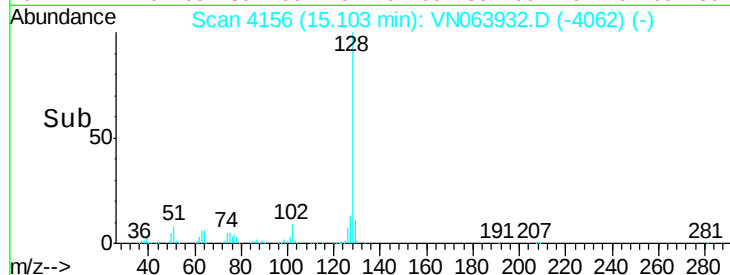
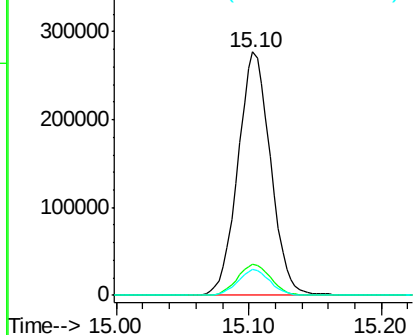
Tot Ion:	128	Resp:	474009
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.5	15.7
129	10.5	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
10/7/2020 12:12:26 PM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 44.668 ug/l

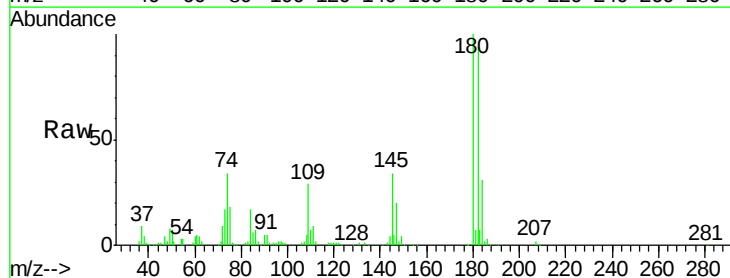
RT: 15.28 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN063932.D

Acq: 7 Oct 2020 7:54

Tgt Ion:	180	Resp:	151887
Ion Ratio	Lower	Upper	
180	100		
182	95.9	47.9	143.6
145	34.1	17.2	51.5



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

