

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN093020\
 Data File : VN063742.D
 Acq On : 30 Sep 2020 11:36
 Operator : JC/MD
 Sample : VSTDIC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 10/1/2020 2:40:02 PM

Quant Time: Sep 30 12:16:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 30 11:35:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	282333	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	471217	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	444791	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	229707	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	456646	95.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	191.02%	
35) Dibromofluoromethane	7.55	113	317391	96.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	193.96%	
50) Toluene-d8	10.06	98	1226102	100.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	200.38%	
62) 4-Bromofluorobenzene	12.38	95	470616	104.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	208.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	278402	88.907	ug/l	98
3) Chloromethane	2.04	50	321522	78.735	ug/l	100
4) Vinyl Chloride	2.16	62	324503	88.797	ug/l	99
5) Bromomethane	2.51	94	207641	94.502	ug/l	99
6) Chloroethane	2.67	64	205697	90.697	ug/l	99
7) Trichlorofluoromethane	2.98	101	537260	97.073	ug/l	97
8) Diethyl Ether	3.37	74	188887	89.351	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.72	101	283374	91.734	ug/l	99
10) Methyl Iodide	3.91	142	374266	94.495	ug/l	100
11) Tert butyl alcohol	4.73	59	274422	431.630	ug/l	100
12) 1,1-Dichloroethene	3.69	96	278832	90.067	ug/l	96
13) Acrolein	3.57	56	170146	654.968	ug/l	100
14) Allyl chloride	4.27	41	545366	89.746	ug/l	97
15) Acrylonitrile	4.93	53	766978	464.980	ug/l	100
16) Acetone	3.77	43	710357	465.075	ug/l	100
17) Carbon Disulfide	4.01	76	773030	86.463	ug/l	99
18) Methyl Acetate	4.28	43	377741	97.986	ug/l	98
19) Methyl tert-butyl Ether	4.99	73	1061133	91.467	ug/l	100
20) Methylene Chloride	4.50	84	328660	85.818	ug/l	99
21) trans-1,2-Dichloroethene	4.99	96	309437	89.967	ug/l	98
22) Diisopropyl ether	5.90	45	1138564	90.894	ug/l	99
23) Vinyl Acetate	5.84	43	4846162	472.325	ug/l	99
24) 1,1-Dichloroethane	5.80	63	612900	89.591	ug/l	98
25) 2-Butanone	6.78	43	1110213	478.591	ug/l	99
26) 2,2-Dichloropropane	6.78	77	564202	92.876	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	359955	92.420	ug/l	98
28) Bromochloromethane	7.15	49	325784	100.958	ug/l	100
29) Tetrahydrofuran	7.16	42	723778	457.122	ug/l	100
30) Chloroform	7.33	83	654997	94.778	ug/l	94
31) Cyclohexane	7.61	56	516512	81.049	ug/l	98
32) 1,1,1-Trichloroethane	7.53	97	597690	96.595	ug/l	99
36) 1,1-Dichloropropene	7.75	75	474489	95.950	ug/l	99
37) Ethyl Acetate	6.88	43	474614	98.191	ug/l	99
38) Carbon Tetrachloride	7.73	117	518710	101.737	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	490501	92.186	ug/l	98
40) Benzene	8.00	78	1346398	95.381	ug/l	100
41) Methacrylonitrile	7.12	41	202026	91.262	ug/l #	80
42) 1,2-Dichloroethane	8.09	62	572123	99.837	ug/l	100
43) Isopropyl Acetate	8.13	43	832898	96.141	ug/l	99
44) Trichloroethene	8.80	130	347130	100.185	ug/l	97
45) 1,2-Dichloropropane	9.08	63	363737	94.749	ug/l	99
46) Dibromomethane	9.17	93	253183	99.793	ug/l	99
47) Bromodichloromethane	9.37	83	545280	102.945	ug/l	100
48) Methyl methacrylate	9.16	41	414386	97.727	ug/l	98
49) 1,4-Dioxane	9.16	88	109528	1807.977	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	2466676	504.539	ug/l	99
52) Toluene	10.13	92	875131	102.654	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	606234	103.104	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	615489	99.577	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	341020	100.187	ug/l	98
56) Ethyl methacrylate	10.40	69	544209	103.507	ug/l	98
57) 1,3-Dichloropropane	10.68	76	594641	97.452	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.66	63	1389179	499.098	ug/l	100
59) 2-Hexanone	10.72	43	1842484	519.946	ug/l	100
60) Dibromochloromethane	10.87	129	415547	107.926	ug/l	100
61) 1,2-Dibromoethane	10.98	107	373610	105.768	ug/l	100
64) Tetrachloroethene	10.60	164	318742	104.422	ug/l	99
65) Chlorobenzene	11.41	112	924123	99.237	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	361376	104.976	ug/l	98
67) Ethyl Benzene	11.48	91	1753444	99.974	ug/l	100
68) m/p-Xylenes	11.59	106	1294326	204.138	ug/l	99
69) o-Xylene	11.92	106	617644	102.574	ug/l	100
70) Styrene	11.94	104	1085053	107.425	ug/l	99
71) Bromoform	12.10	173	290232	112.821	ug/l #	96
73) Isopropylbenzene	12.22	105	1697942	93.752	ug/l	100
74) N-amyl acetate	12.05	43	789923	93.193	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	502831	89.678	ug/l	98
76) 1,2,3-Trichloropropane	12.53	75	510188m	91.260	ug/l	
77) Bromobenzene	12.50	156	410159	99.656	ug/l	99
78) n-propylbenzene	12.57	91	2001419	95.074	ug/l	100
79) 2-Chlorotoluene	12.65	91	1198850	94.759	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	1462415	97.081	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	190076	93.735	ug/l	99
82) 4-Chlorotoluene	12.75	91	1279992	95.646	ug/l	100
83) tert-Butylbenzene	12.97	119	1183533	95.039	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	1471667	96.515	ug/l	98
85) sec-Butylbenzene	13.15	105	1558498	93.705	ug/l	99
86) p-Isopropyltoluene	13.26	119	1420909	96.792	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	747254	98.204	ug/l	98
88) 1,4-Dichlorobenzene	13.34	146	760381	98.777	ug/l	98
89) n-Butylbenzene	13.59	91	1280778	95.072	ug/l	99
90) Hexachloroethane	13.85	117	269182	95.908	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	731088	98.377	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	120227	90.930	ug/l	96

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ClientSampleId :
VSTDICC100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	402507	93.512	ug/l	98
94) Hexachlorobutadiene	14.98	225	197161	106.321	ug/l	97
95) Naphthalene	15.10	128	1245953	88.456	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	392630	94.427	ug/l	98

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

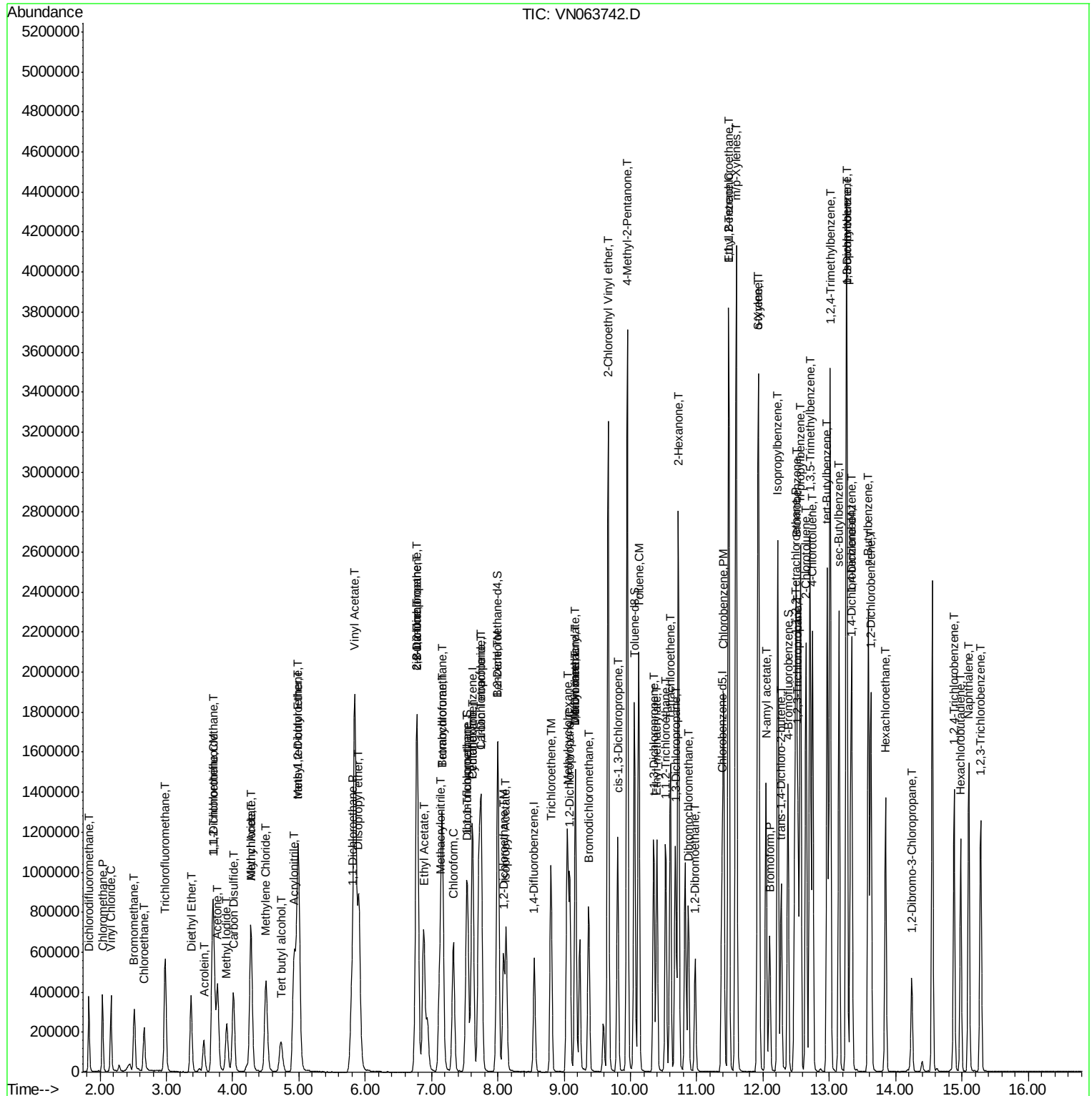
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN093020\
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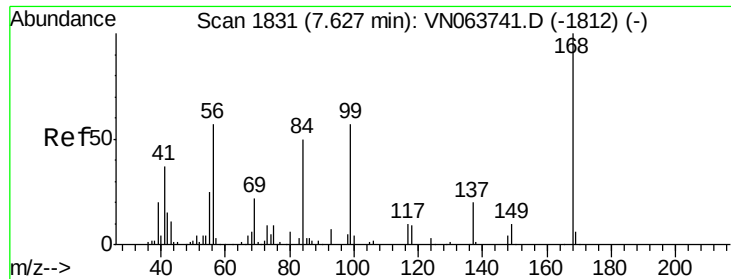
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN063742.D

Acq: 30 Sep 2020 11:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 282333

Ion Ratio Lower Upper

168 100

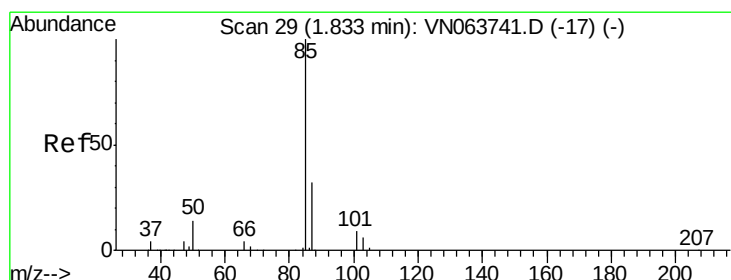
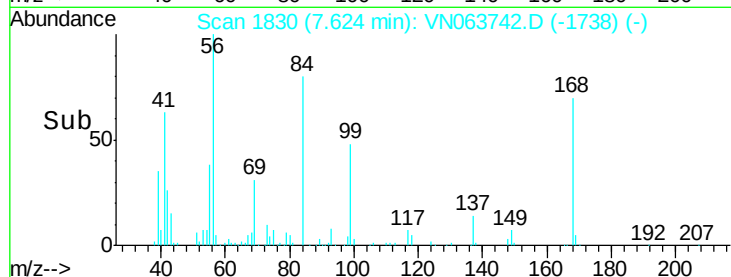
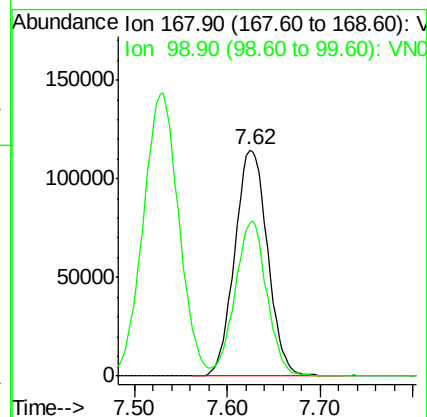
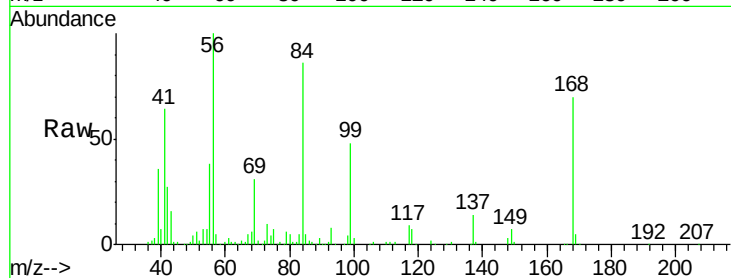
99 67.5 51.8 77.6

Manual Integrations

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10/1/2020 2:40:02 PM



#2

Dichlorodifluoromethane

Concen: 88.907 ug/l

RT: 1.83 min Scan# 28

Delta R.T. -0.00 min

Lab File: VN063742.D

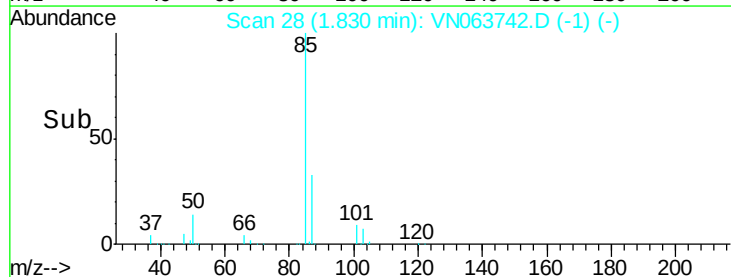
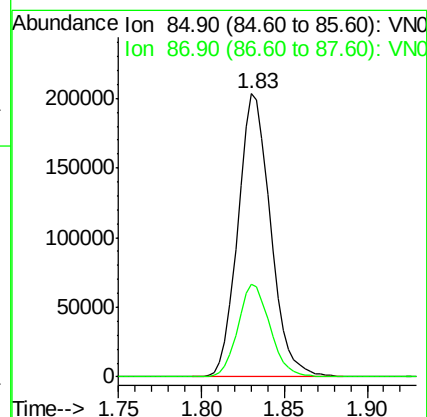
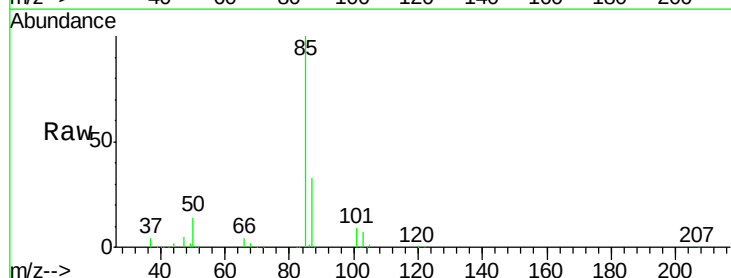
Acq: 30 Sep 2020 11:36

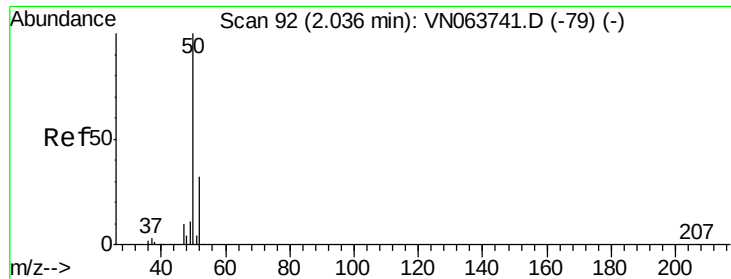
Tgt Ion: 85 Resp: 278402

Ion Ratio Lower Upper

85 100

87 32.9 16.0 48.0





#3

Chloromethane

Concen: 78.735 ug/l

RT: 2.04 min Scan# 92

Delta R.T. 0.00 min

Lab File: VN063742.D

Acq: 30 Sep 2020 11:36

Tot Ion: 50 Resp: 321522

Ion Ratio Lower Upper

50 100

52 32.1 25.8 38.8

Instrument :

MSVOA_N

ClientSampleId :

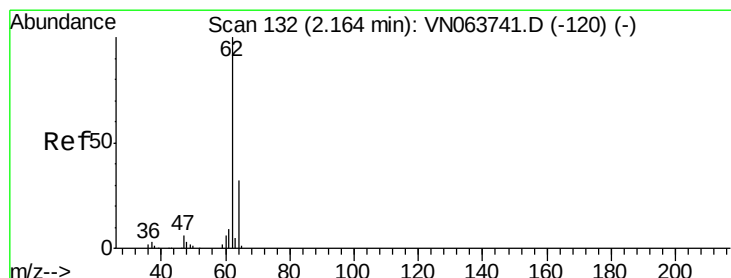
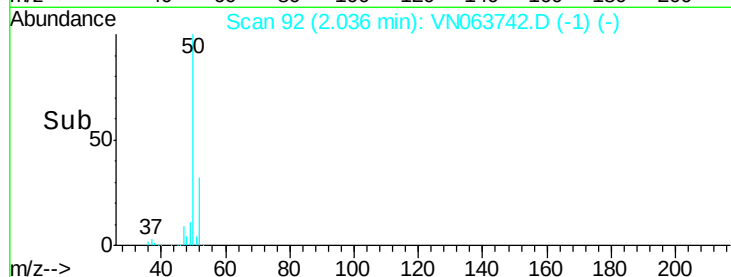
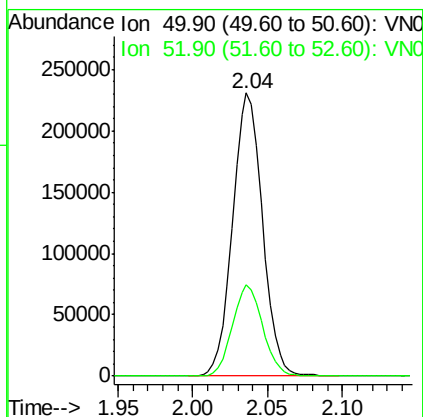
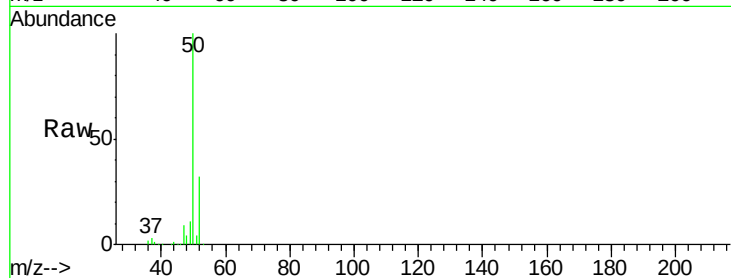
VSTDIC100

Manual Integrations

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#4

Vinyl Chloride

Concen: 88.797 ug/l

RT: 2.16 min Scan# 132

Delta R.T. 0.00 min

Lab File: VN063742.D

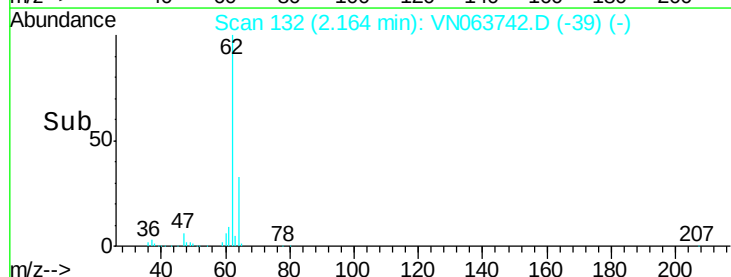
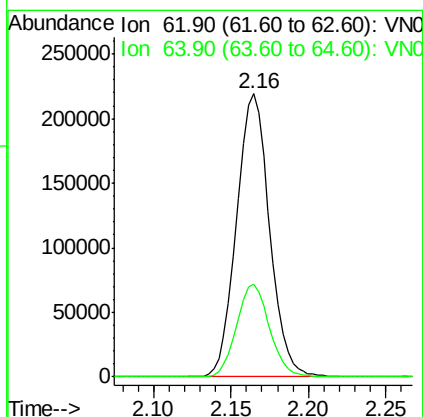
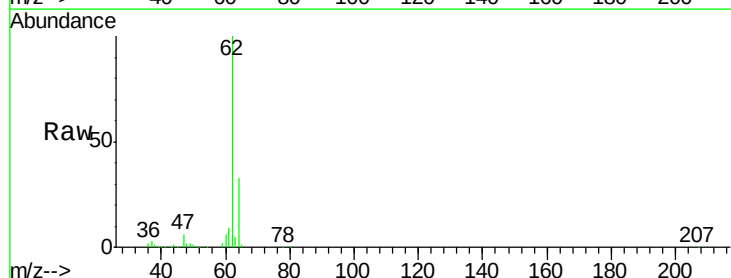
Acq: 30 Sep 2020 11:36

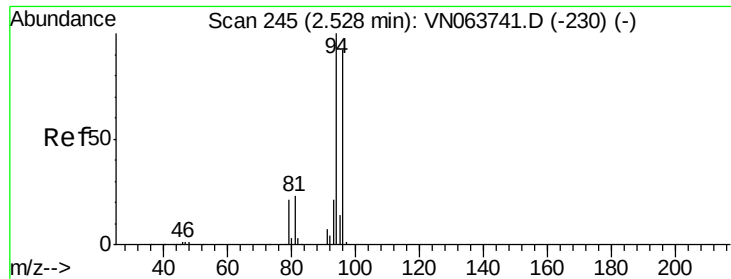
Tgt Ion: 62 Resp: 324503

Ion Ratio Lower Upper

62 100

64 32.8 25.6 38.4





#5

Bromomethane

Concen: 94.502 ug/l

RT: 2.51 min Scan# 241

Delta R.T. -0.01 min

Lab File: VN063742.D

Acq: 30 Sep 2020 11:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 207641

Ion Ratio Lower Upper

94 100

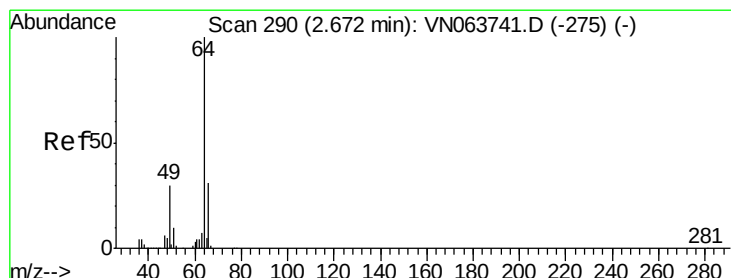
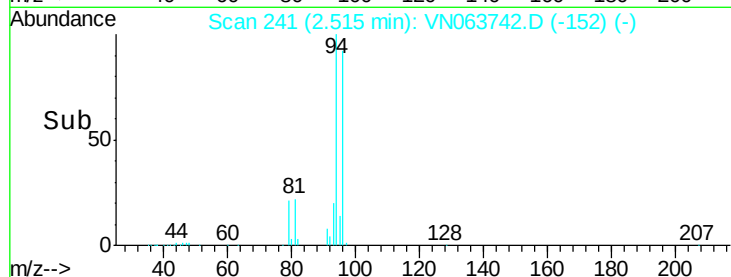
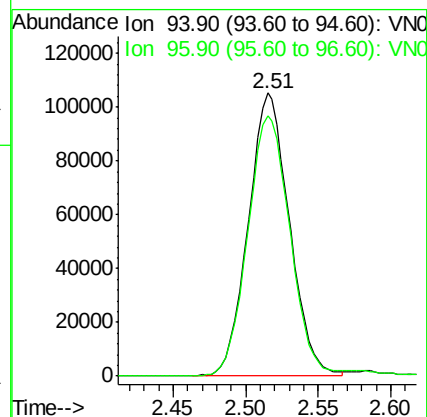
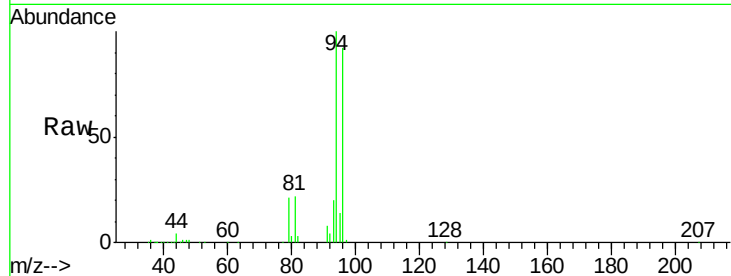
96 92.2 73.3 109.9

Manual Integrations

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#6

Chloroethane

Concen: 90.697 ug/l

RT: 2.67 min Scan# 288

Delta R.T. -0.01 min

Lab File: VN063742.D

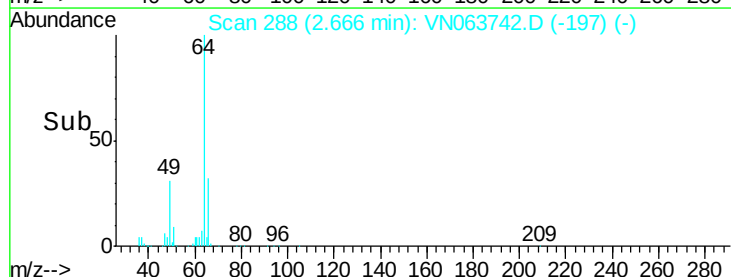
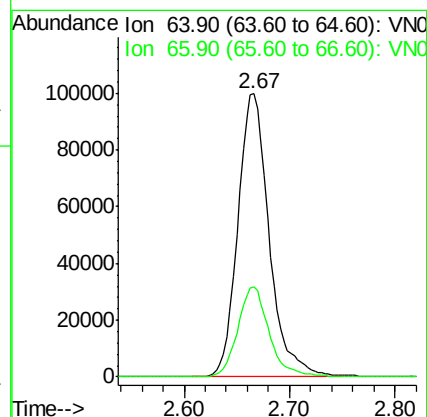
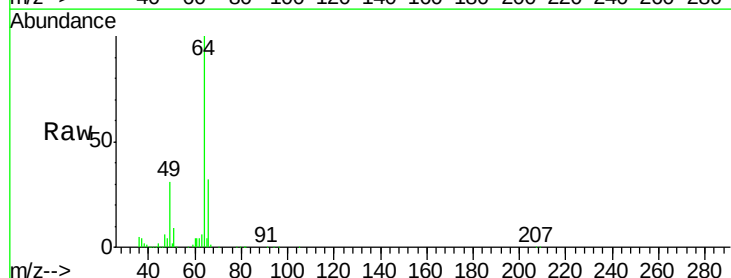
Acq: 30 Sep 2020 11:36

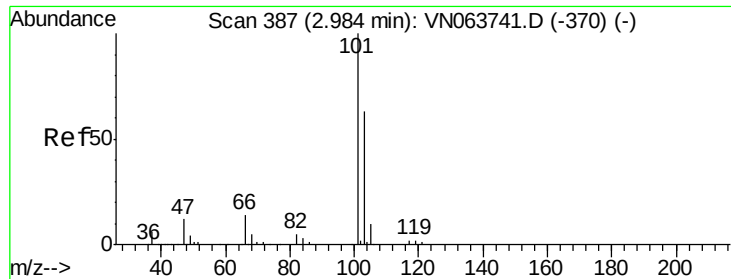
Tgt Ion: 64 Resp: 205697

Ion Ratio Lower Upper

64 100

66 31.8 25.1 37.7





#7

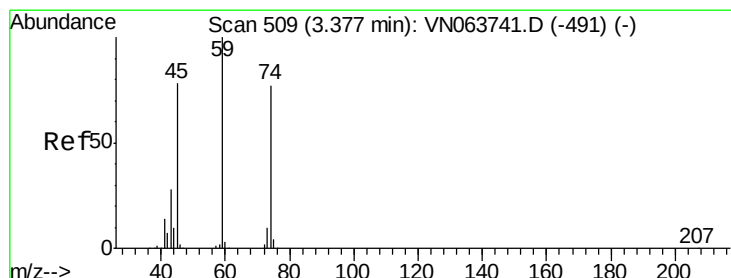
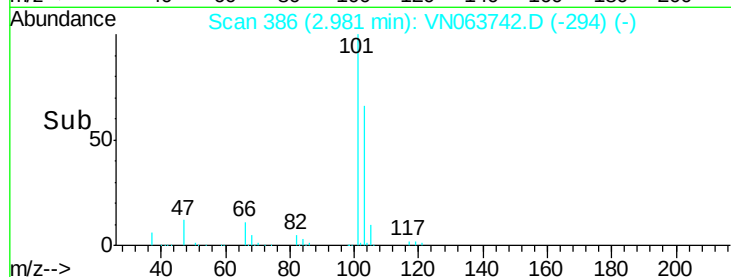
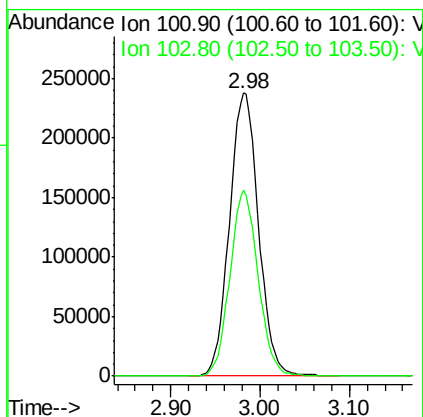
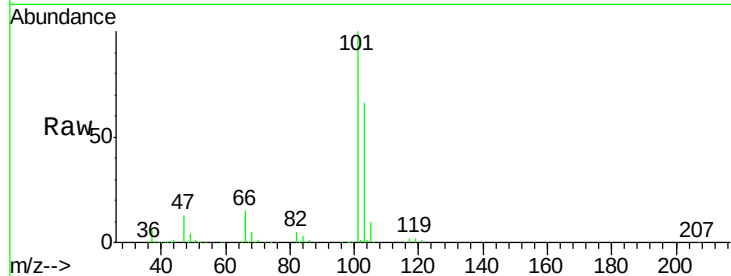
Trichlorofluoromethane
 Concen: 97.073 ug/l
 RT: 2.98 min Scan# 386
 Delta R.T. -0.00 min
 Lab File: VN063742.D
 Acq: 30 Sep 2020 11:36

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 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.8	50.7	76.1

Manual Integrations
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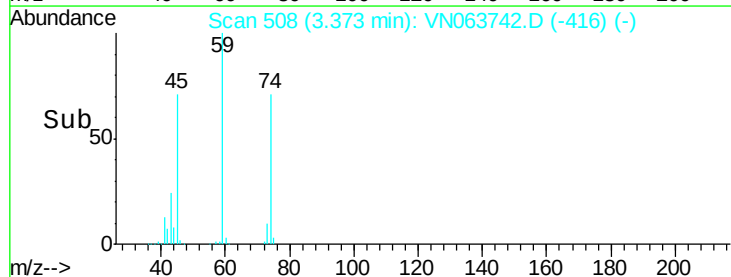
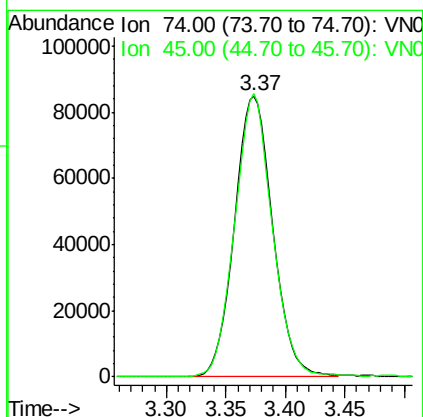
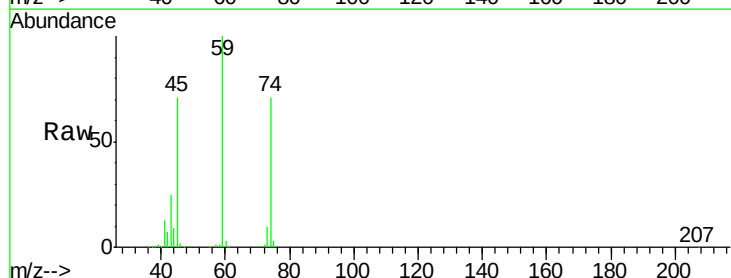
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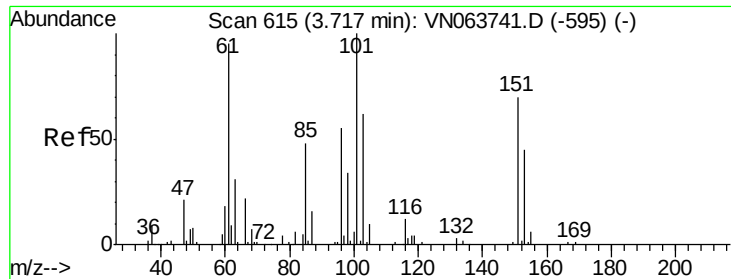


#8

Diethyl Ether
 Concen: 89.351 ug/l
 RT: 3.37 min Scan# 508
 Delta R.T. -0.00 min
 Lab File: VN063742.D
 Acq: 30 Sep 2020 11:36

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.2	50.9	152.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 91.734 ug/l

RT: 3.72 min Scan# 615

Delta R.T. 0.00 min

Lab File: VN063742.D

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MSVOA_N

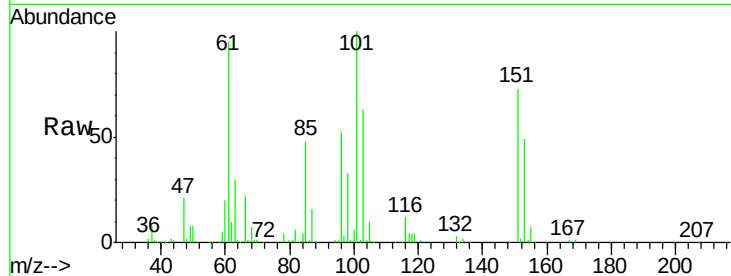
ClientSampleId :

VSTDIC100

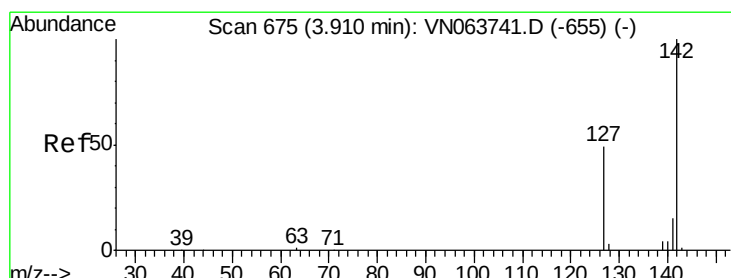
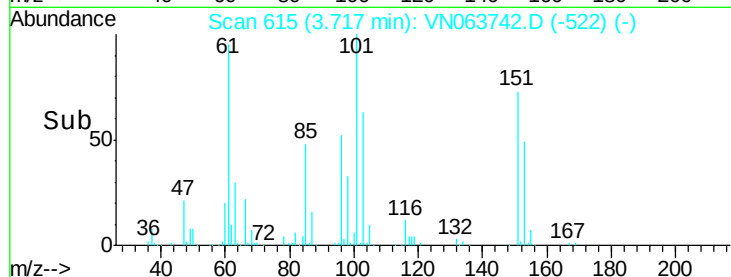
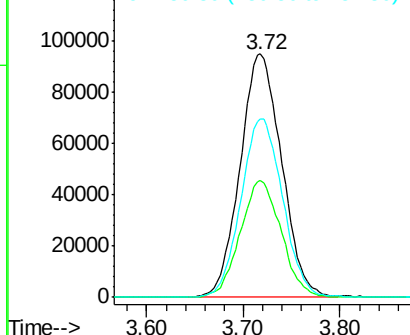
Tot Ion:	101	Resp:	283374
Ion Ratio	Lower	Upper	
101	100		
85	47.4	38.6	58.0
151	73.5	58.7	88.1

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



#10

Methyl Iodide

Concen: 94.495 ug/l

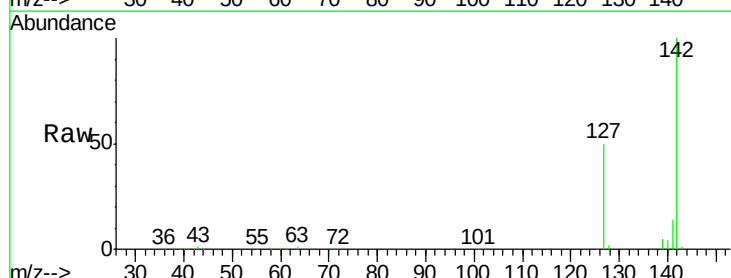
RT: 3.91 min Scan# 675

Delta R.T. 0.00 min

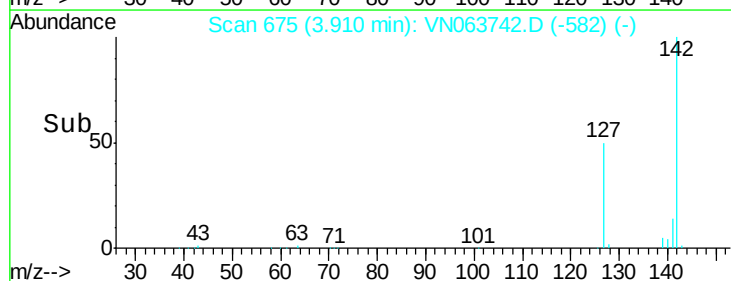
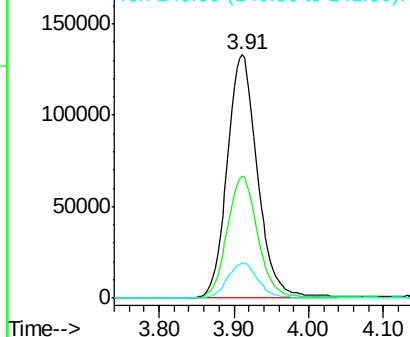
Lab File: VN063742.D

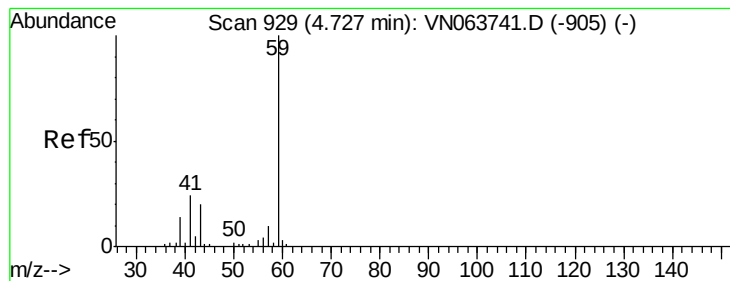
Acq: 30 Sep 2020 11:36

Tgt Ion:	142	Resp:	374266
Ion Ratio	Lower	Upper	
142	100		
127	50.4	40.5	60.7
141	14.5	11.7	17.5



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





#11

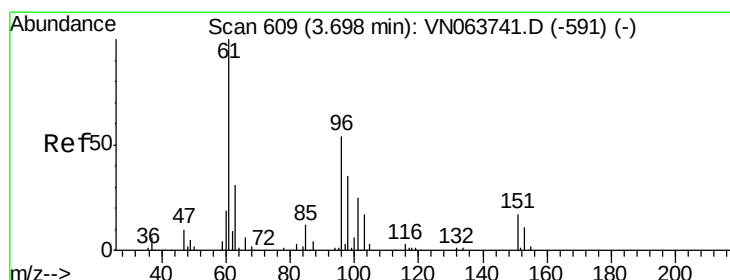
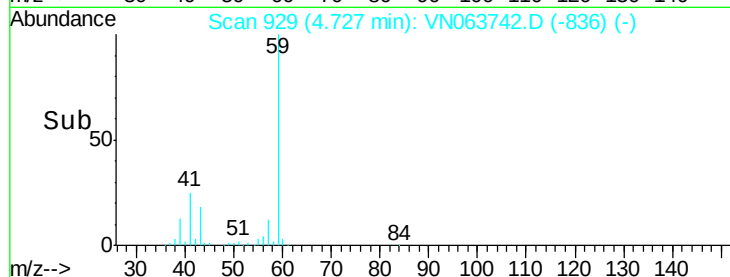
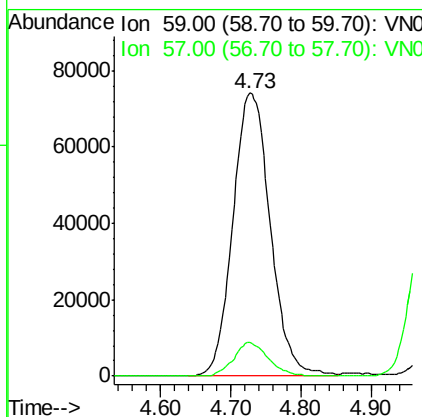
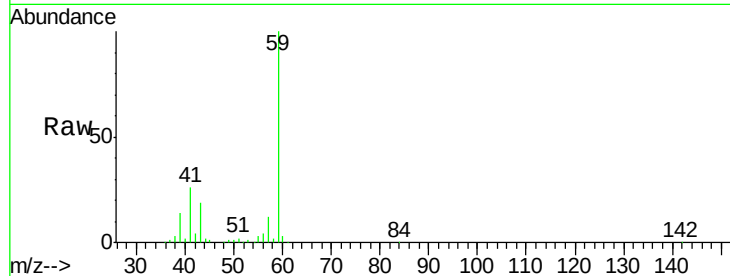
Tert butyl alcohol
 Concen: 431.630 ug/l
 RT: 4.73 min Scan# 929
 Delta R.T. 0.00 min
 Lab File: VN063742.D
 Acq: 30 Sep 2020 11:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.1	8.7	13.1

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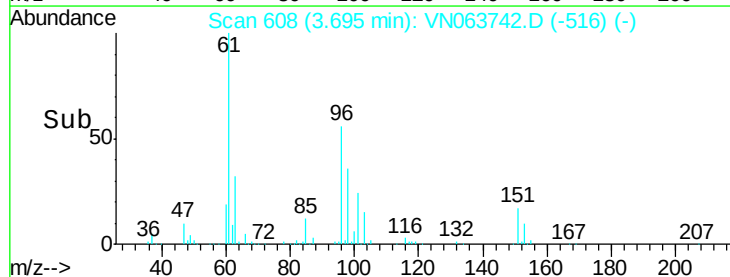
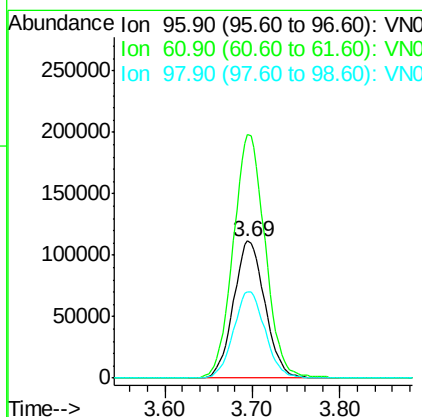
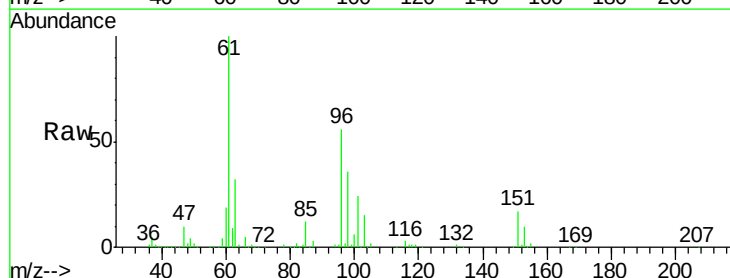
MMDadoda
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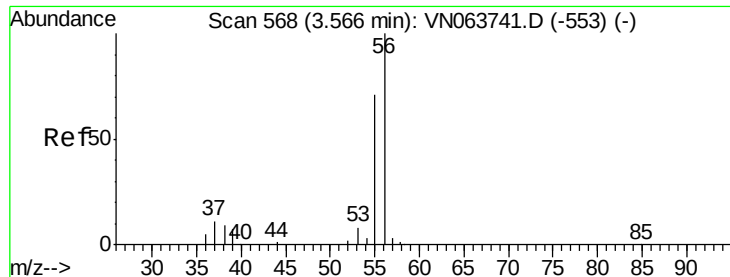


#12

1,1-Dichloroethene
 Concen: 90.067 ug/l
 RT: 3.69 min Scan# 608
 Delta R.T. -0.00 min
 Lab File: VN063742.D
 Acq: 30 Sep 2020 11:36

Tgt Ion	Ratio	Lower	Upper
96	100		
61	177.9	147.7	221.5
98	63.4	51.9	77.9





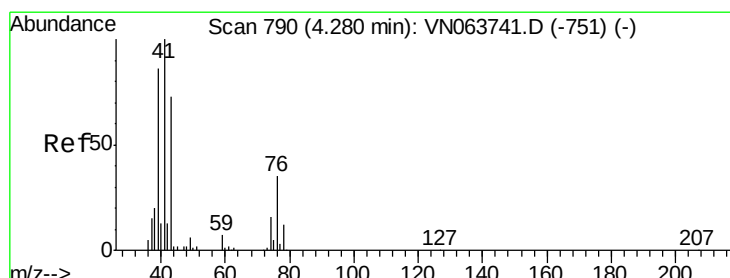
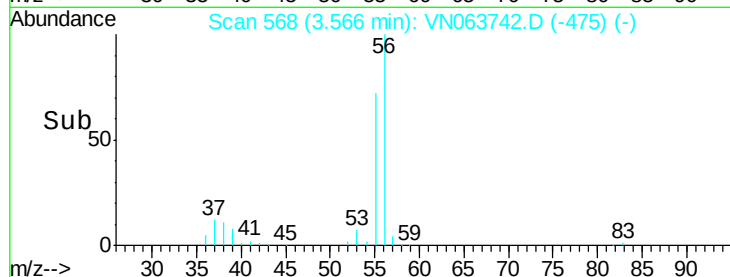
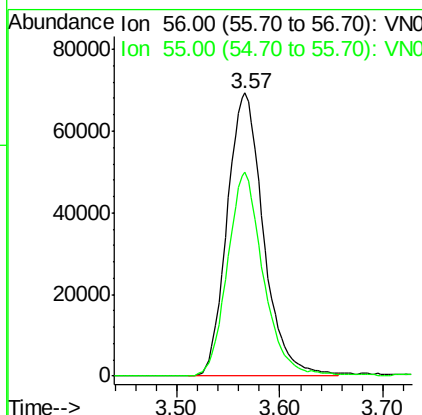
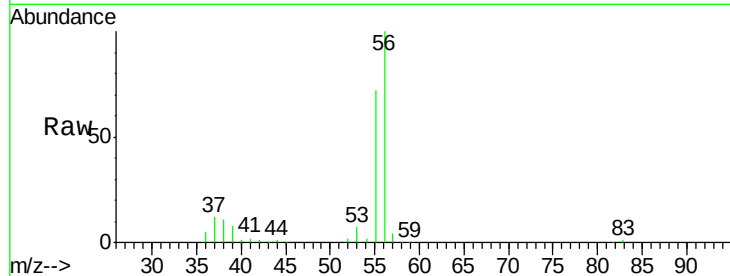
#13
 Acrolein
 Concen: 654.968 ug/l
 RT: 3.57 min Scan# 568
 Delta R.T. 0.00 min
 Lab File: VN063742.D
 Acq: 30 Sep 2020 11:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
56	100		
55	71.0	56.9	85.3

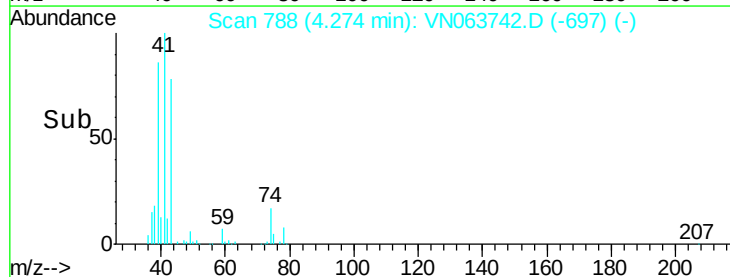
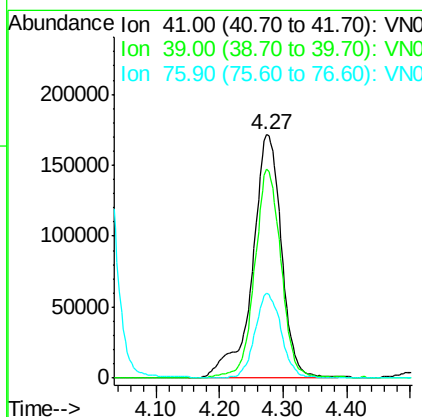
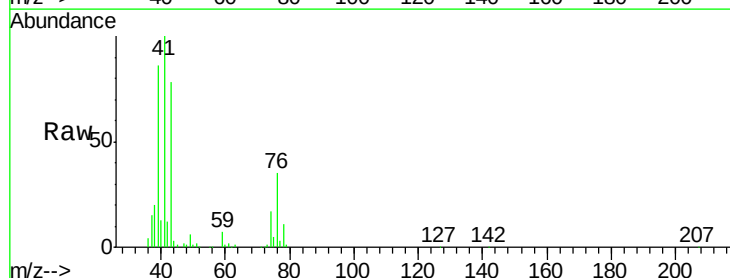
Manual Integrations
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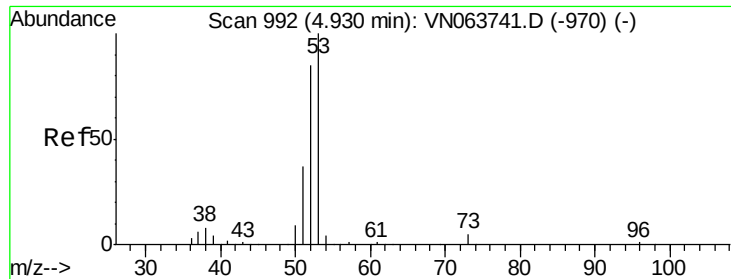
MMDadoda
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#14
 Allyl chloride
 Concen: 89.746 ug/l
 RT: 4.27 min Scan# 788
 Delta R.T. -0.01 min
 Lab File: VN063742.D
 Acq: 30 Sep 2020 11:36

Tgt Ion	Ratio	Lower	Upper
41	100		
39	77.7	64.5	96.7
76	30.7	25.9	38.9





#15

Acrylonitrile

Concen: 464.980 ug/l

RT: 4.93 min Scan# 991

Delta R.T. -0.00 min

Lab File: VN063742.D

Acq: 30 Sep 2020 11:36

Instrument :

MSVOA_N

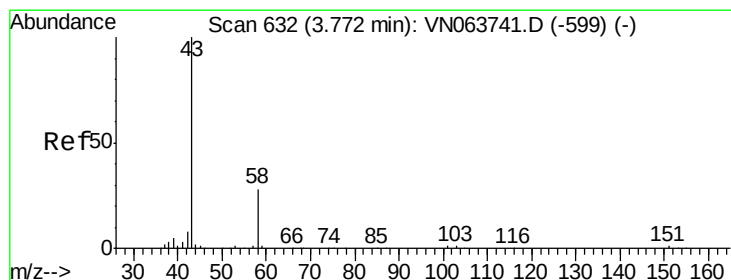
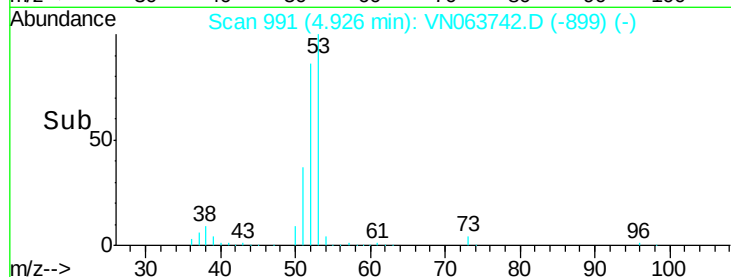
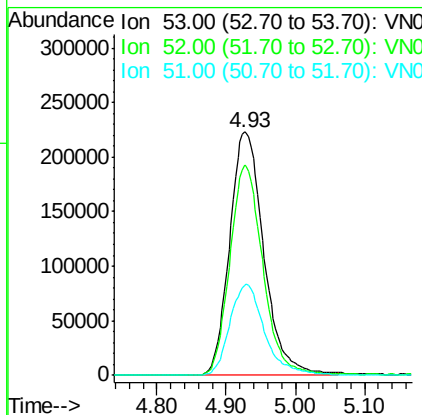
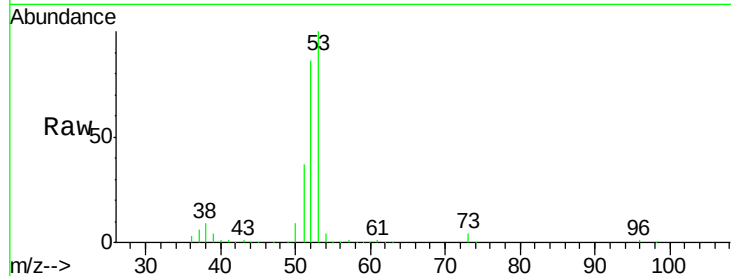
ClientSampleId :

VSTDICC100

Tot Ion:	53	Resp:	766978
Ion	Ratio	Lower	Upper
53	100		
52	83.3	66.5	99.7
51	38.1	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 465.075 ug/l

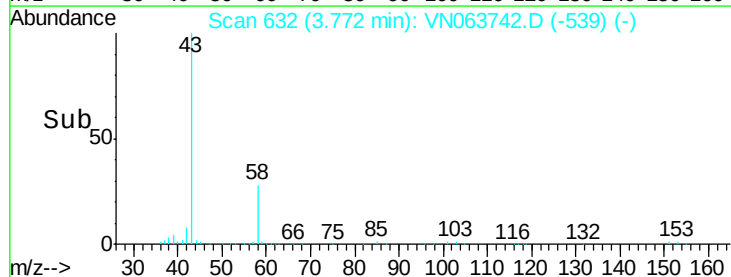
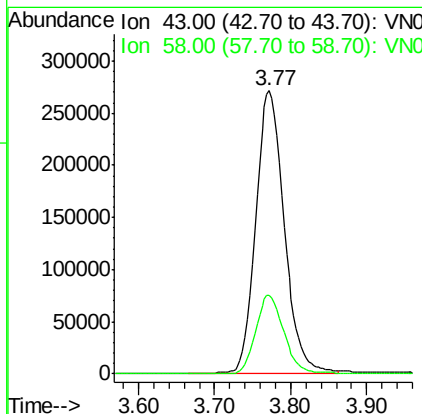
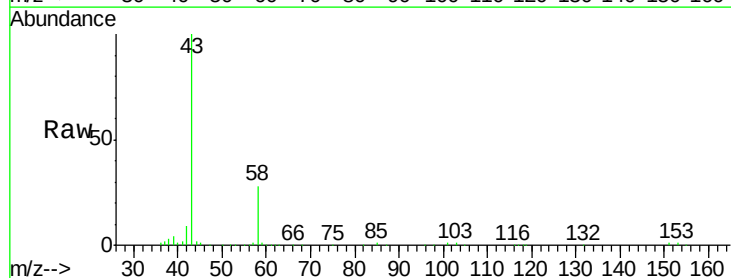
RT: 3.77 min Scan# 632

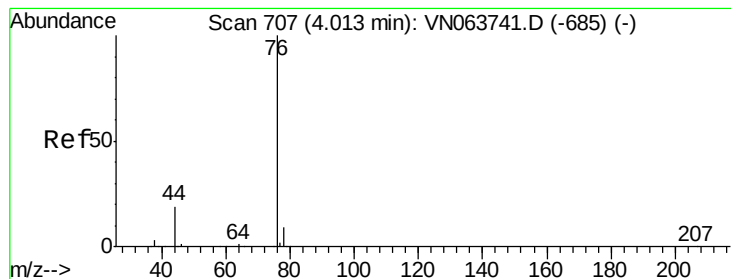
Delta R.T. 0.00 min

Lab File: VN063742.D

Acq: 30 Sep 2020 11:36

Tgt Ion:	43	Resp:	710357
Ion	Ratio	Lower	Upper
43	100		
58	27.8	22.3	33.5





#17

Carbon Disulfide

Concen: 86.463 ug/l

RT: 4.01 min Scan# 706

Delta R.T. -0.00 min

Lab File: VN063742.D

Acq: 30 Sep 2020 11:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 773030

Ion Ratio Lower Upper

76 100

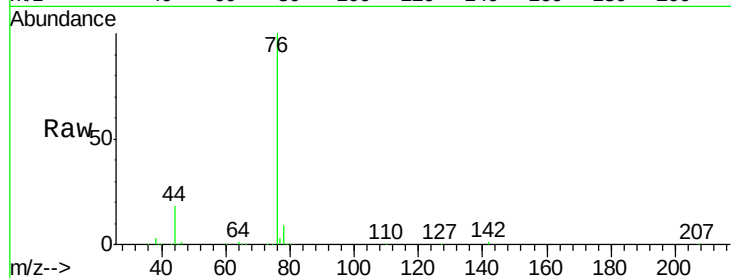
78 8.9 7.0 10.4

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

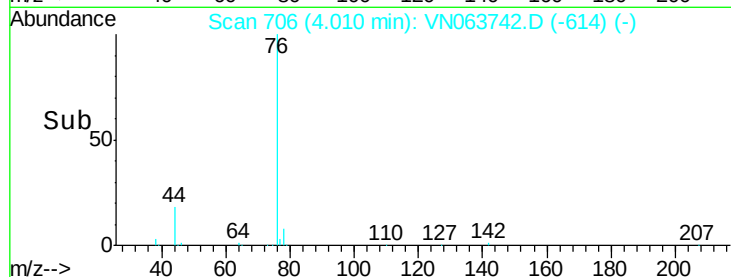
300000

200000

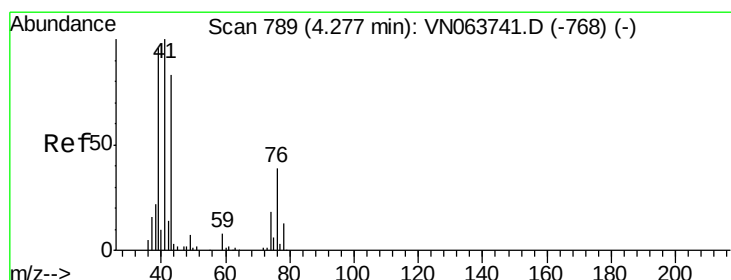
100000

0

Time-->



Time-->



#18

Methyl Acetate

Concen: 97.986 ug/l

RT: 4.28 min Scan# 789

Delta R.T. 0.00 min

Lab File: VN063742.D

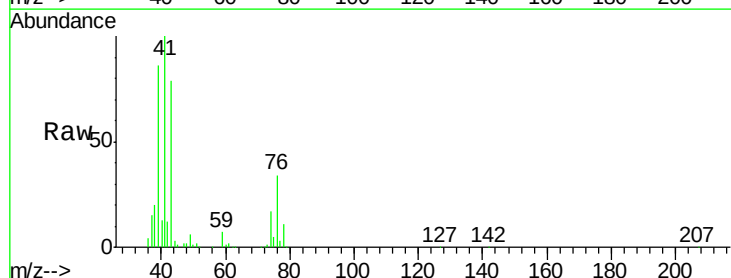
Acq: 30 Sep 2020 11:36

Tgt Ion: 43 Resp: 377741

Ion Ratio Lower Upper

43 100

74 22.6 17.4 26.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

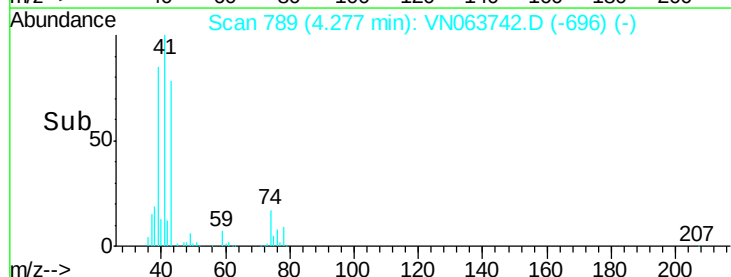
150000

100000

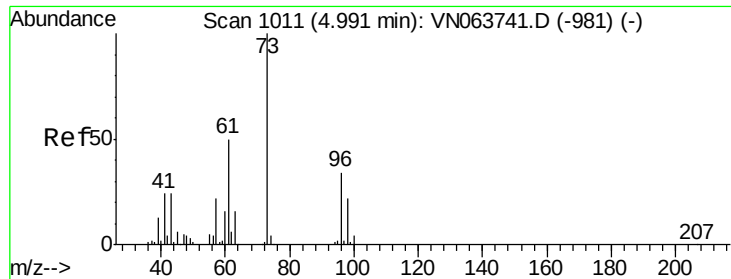
50000

0

Time-->



Time-->



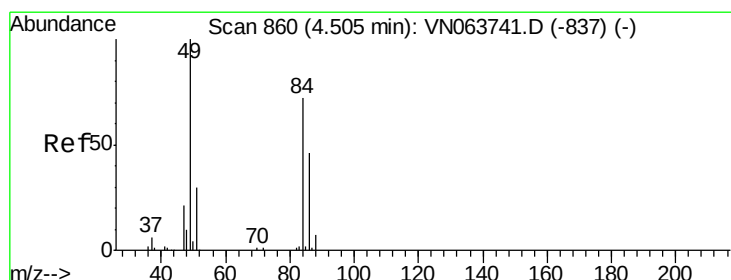
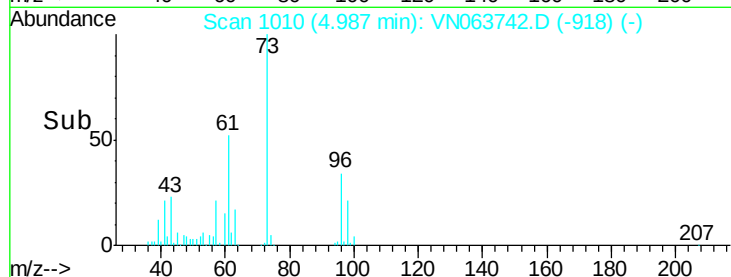
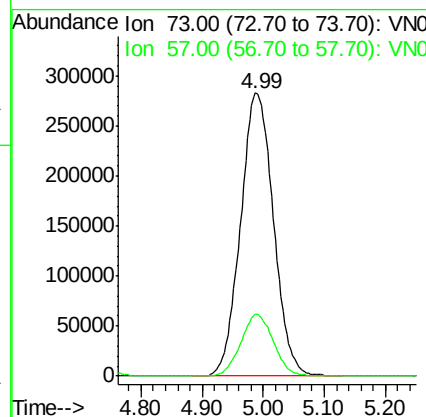
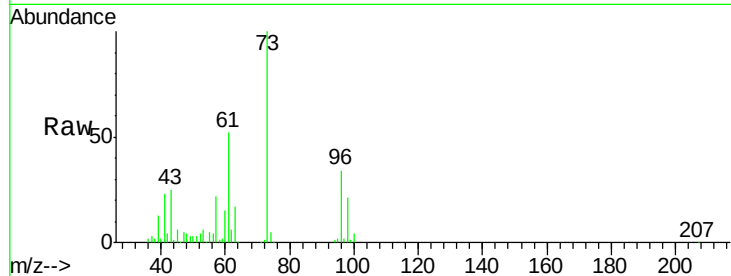
#19
Methvl tert-butyl Ether
Concen: 91.467 ug/l
RT: 4.99 min Scan# 1010
Delta R.T. -0.00 min
Lab File: VN063742.D
Acq: 30 Sep 2020 11:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 73 Resp: 1061133
Ion Ratio Lower Upper
73 100
57 21.9 17.6 26.4

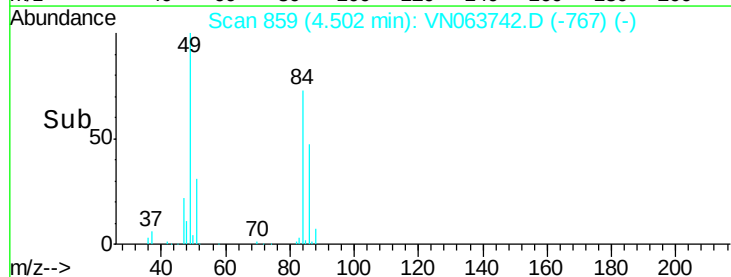
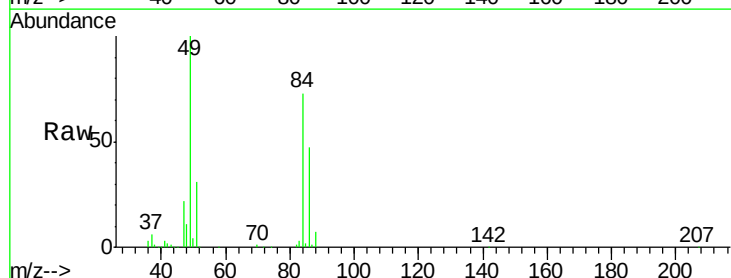
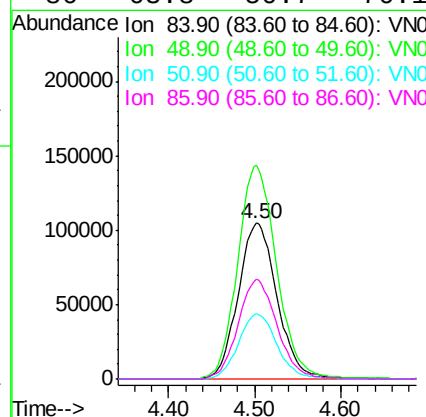
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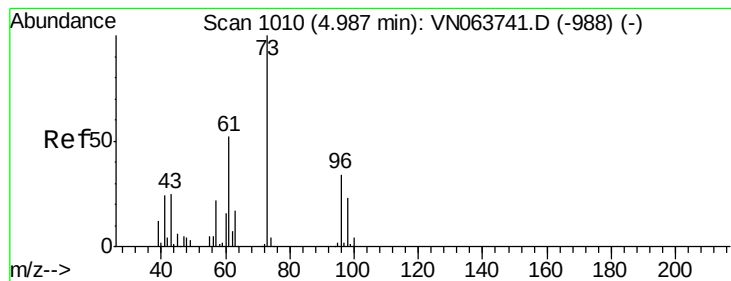
MMDadoda
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#20
Methylene Chloride
Concen: 85.818 ug/l
RT: 4.50 min Scan# 859
Delta R.T. -0.00 min
Lab File: VN063742.D
Acq: 30 Sep 2020 11:36

Tgt Ion: 84 Resp: 328660
Ion Ratio Lower Upper
84 100
49 137.1 110.4 165.6
51 41.8 33.3 49.9
86 63.8 50.7 76.1





#21

trans-1,2-Dichloroethene

Concen: 89.967 ug/l

RT: 4.99 min Scan# 1010

Delta R.T. 0.00 min

Lab File: VN063742.D

Acq: 30 Sep 2020 11:36

Instrument :

MSVOA_N

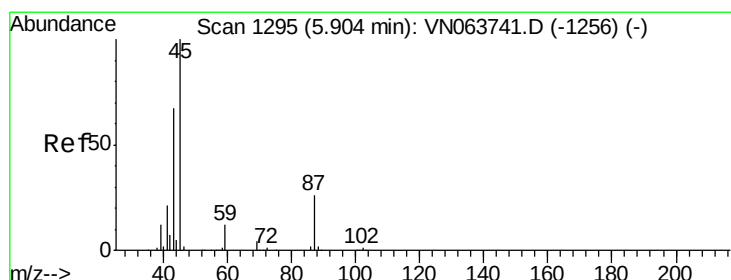
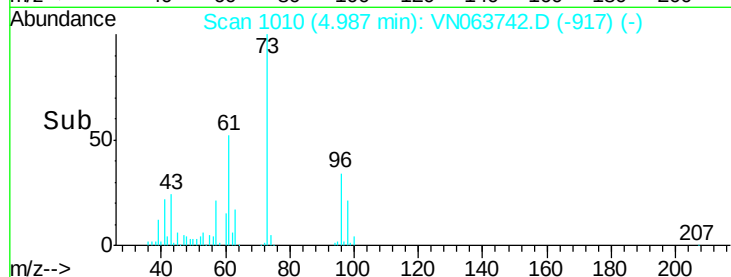
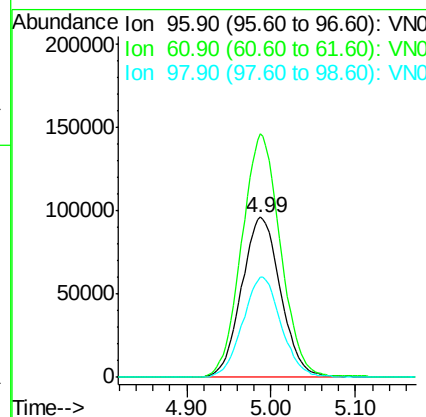
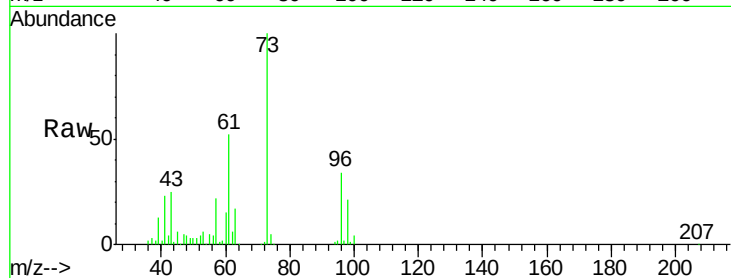
ClientSampleId :

VSTDIC100

Tot Ion:	96	Resp:	309437
Ion	Ratio	Lower	Upper
96	100		
61	151.8	120.2	180.2
98	62.4	52.6	79.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 90.894 ug/l

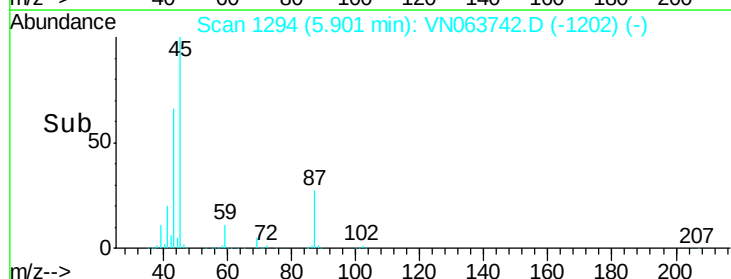
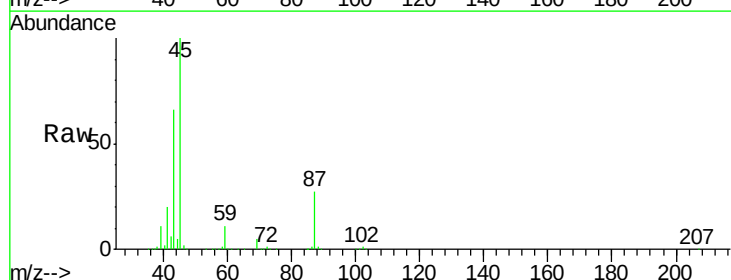
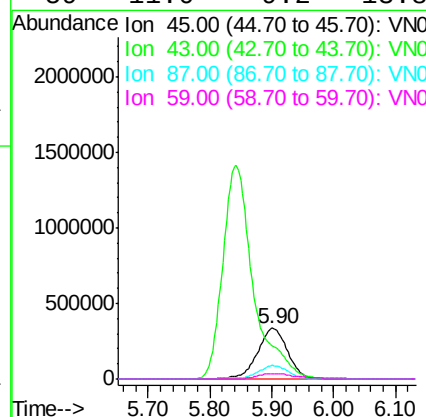
RT: 5.90 min Scan# 1294

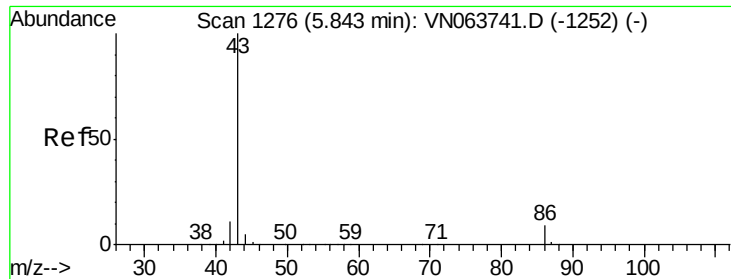
Delta R.T. -0.00 min

Lab File: VN063742.D

Acq: 30 Sep 2020 11:36

Tgt Ion:	45	Resp:	1138564
Ion	Ratio	Lower	Upper
45	100		
43	65.7	53.7	80.5
87	26.5	21.1	31.7
59	11.0	9.2	13.8





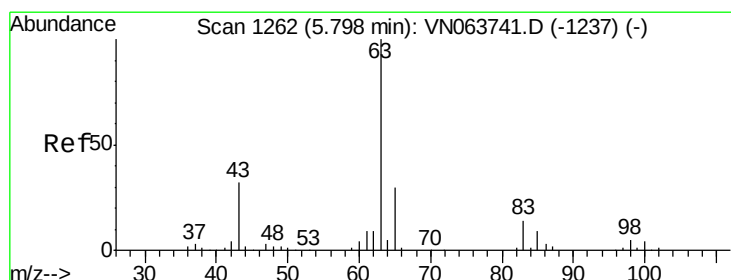
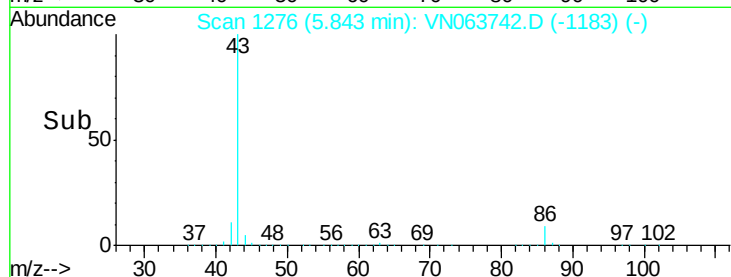
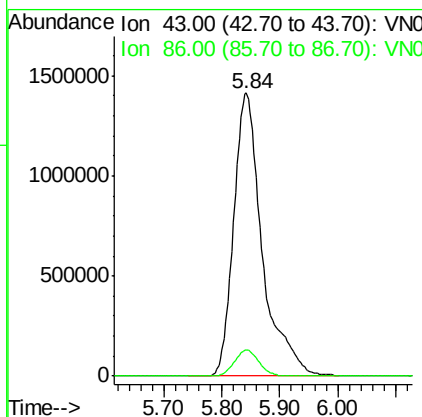
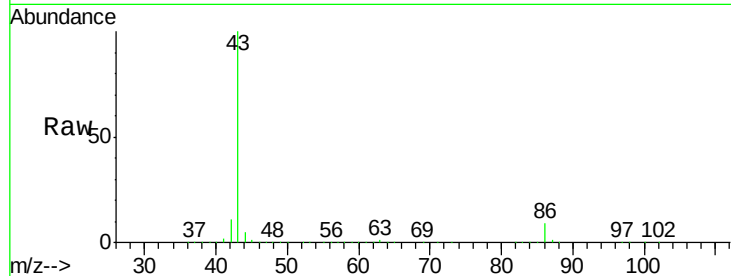
#23
 Vinyl Acetate
 Concen: 472.325 ug/l
 RT: 5.84 min Scan# 1276
 Delta R.T. 0.00 min
 Lab File: VN063742.D
 Acq: 30 Sep 2020 11:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Tot Ion: 43 Resp: 4846162
 Ion Ratio Lower Upper
 43 100
 86 9.3 7.3 10.9

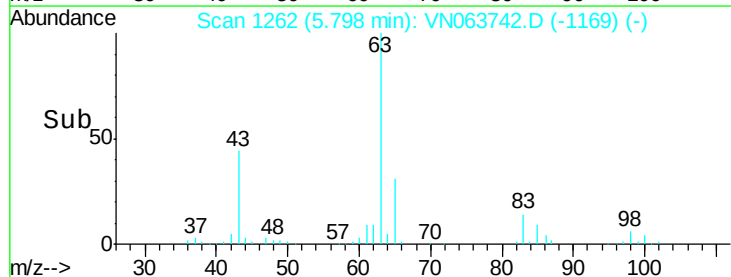
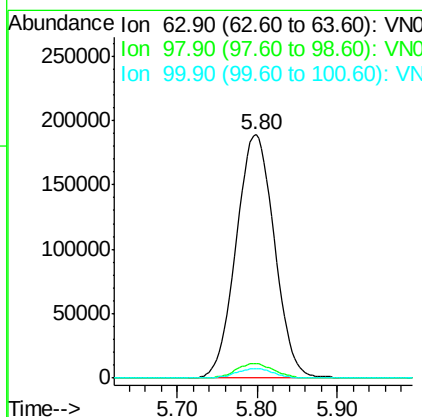
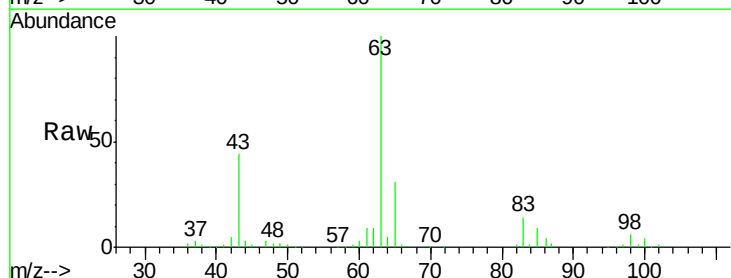
Manual Integrations
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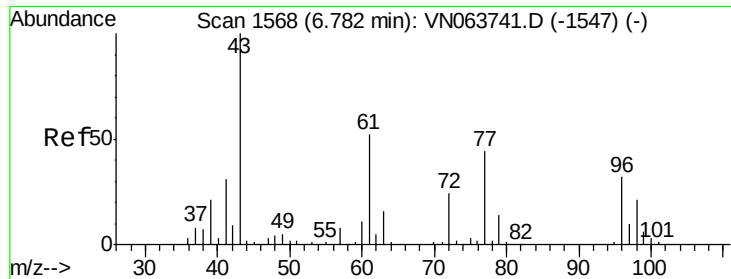
MMDadoda
 10/1/2020 2:40:02 PM



#24
 1,1-Dichloroethane
 Concen: 89.591 ug/l
 RT: 5.80 min Scan# 1262
 Delta R.T. 0.00 min
 Lab File: VN063742.D
 Acq: 30 Sep 2020 11:36

Tgt Ion: 63 Resp: 612900
 Ion Ratio Lower Upper
 63 100
 98 6.1 2.7 8.1
 100 4.1 1.9 5.7





#25

2-Butanone

Concen: 478.591 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN063742.D

Acq: 30 Sep 2020 11:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1110213

Ion Ratio Lower Upper

43 100

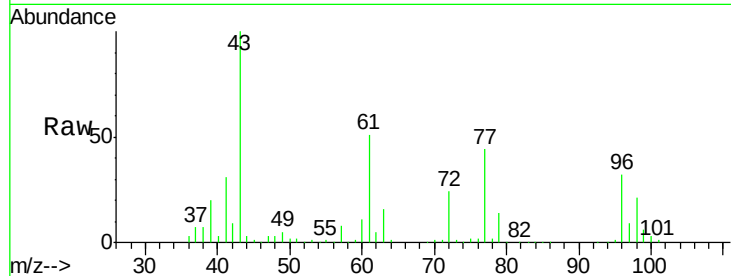
72 24.4 19.3 28.9

Manual Integrations

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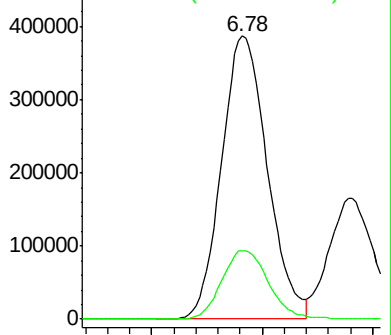
MMDadoda

10/1/2020 2:40:02 PM

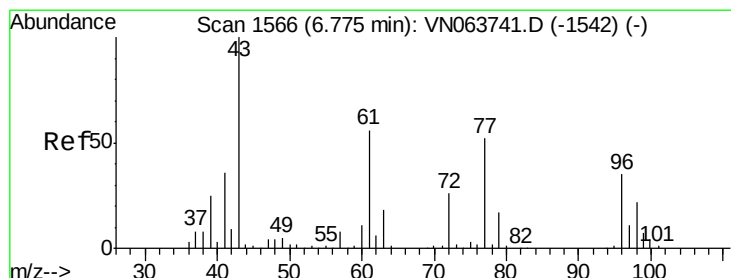
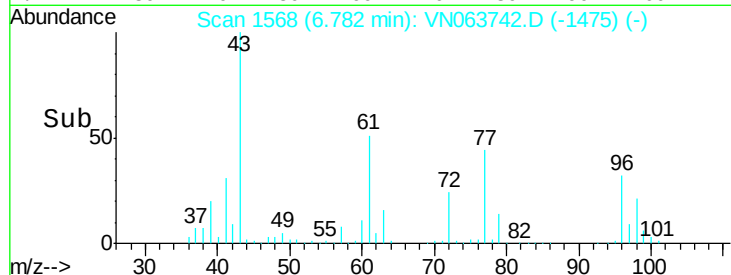


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



Time-->



#26

2,2-Dichloropropane

Concen: 92.876 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN063742.D

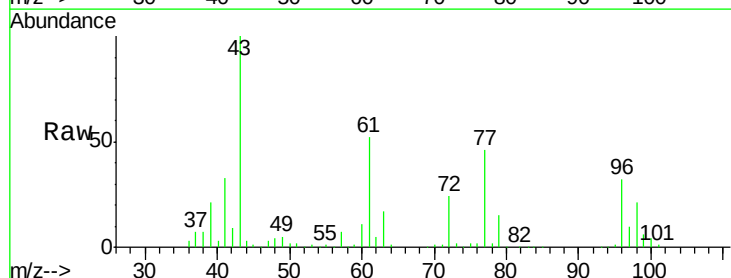
Acq: 30 Sep 2020 11:36

Tgt Ion: 77 Resp: 564202

Ion Ratio Lower Upper

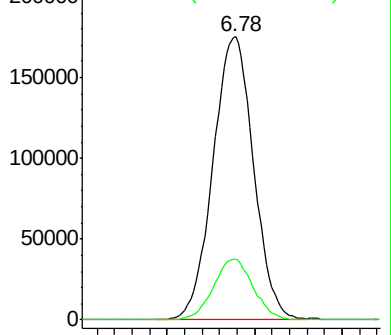
77 100

97 21.2 10.8 32.3

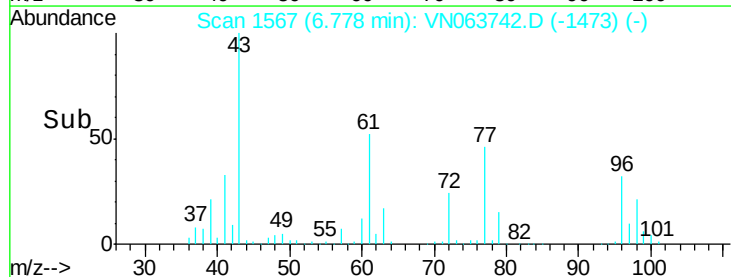


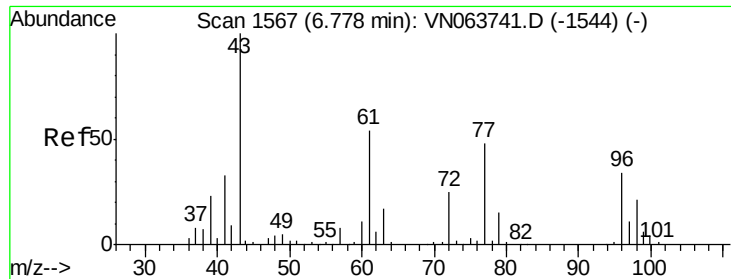
Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0



Time-->





#27

cis-1,2-Dichloroethene

Concen: 92.420 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN063742.D

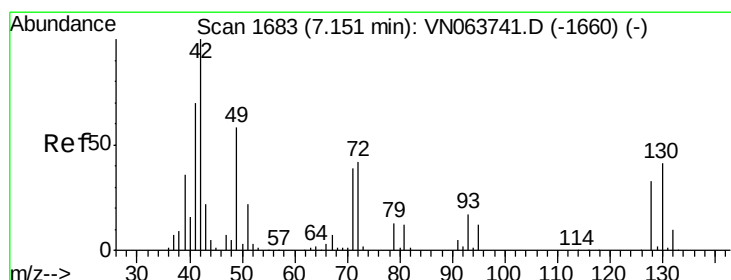
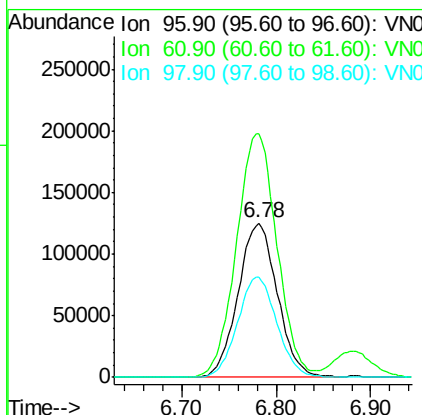
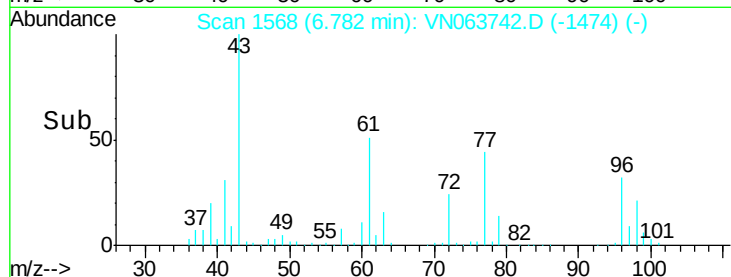
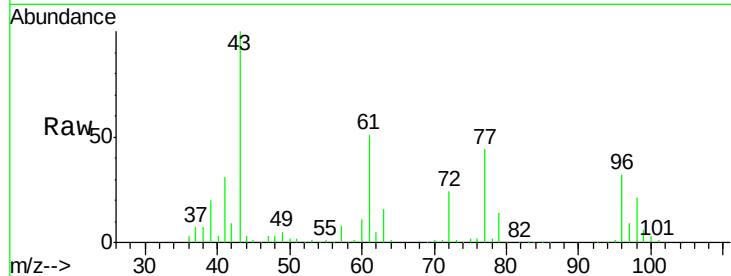
Acq: 30 Sep 2020 11:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
96	100	359955		
61	162.8	0.0	321.2	
98	65.3	0.0	124.4	

Manual Integrations
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MMDadoda
10/1/2020 2:40:02 PM



#28

Bromochloromethane

Concen: 100.958 ug/l

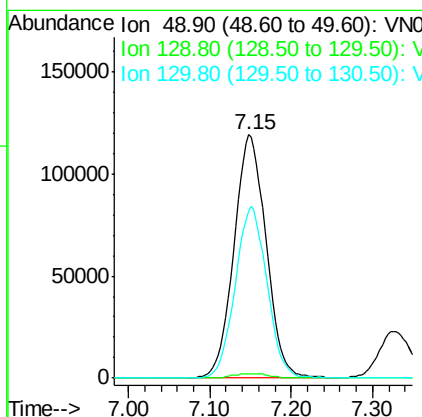
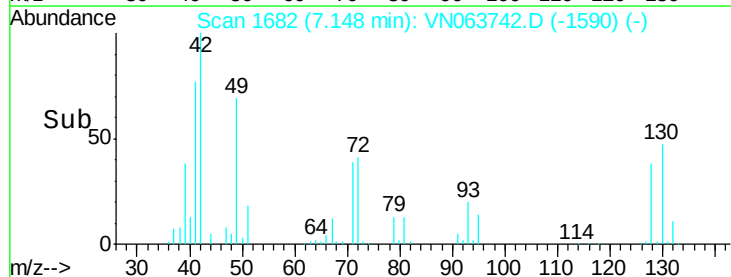
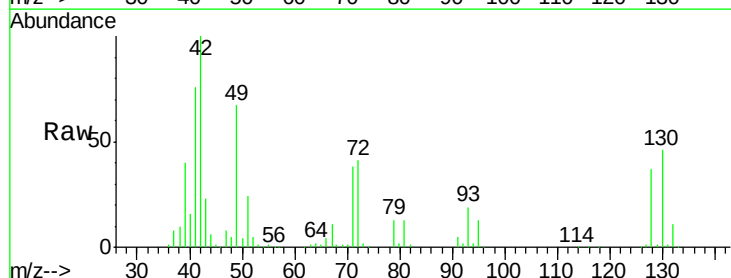
RT: 7.15 min Scan# 1682

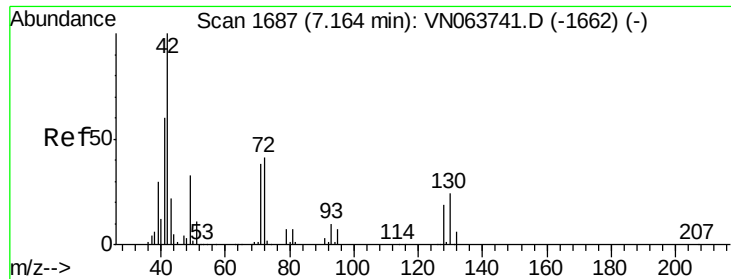
Delta R.T. -0.00 min

Lab File: VN063742.D

Acq: 30 Sep 2020 11:36

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	325784		
129	1.9	0.0	4.8	
130	69.2	55.6	83.4	





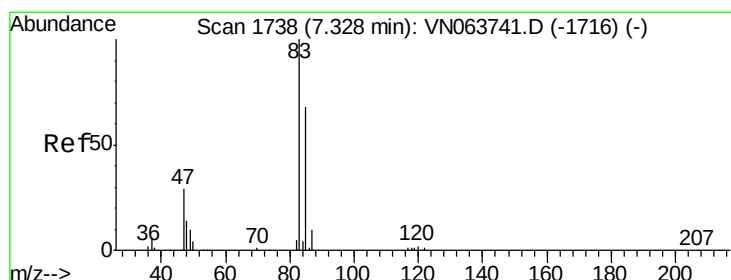
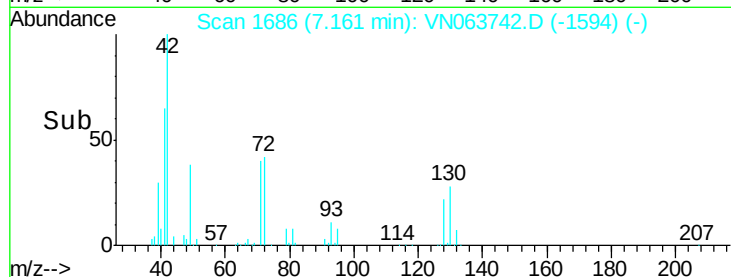
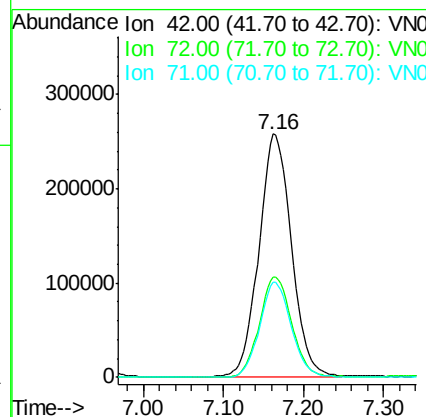
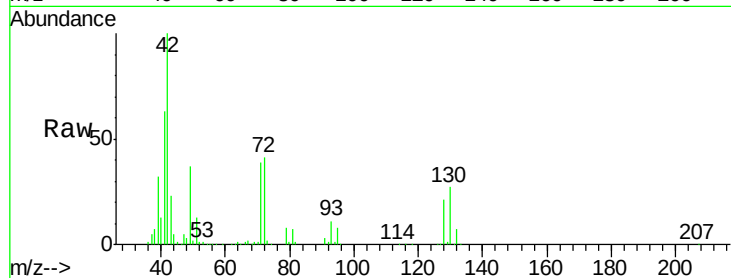
#29
Tetrahydrofuran
Concen: 457.122 ug/l
RT: 7.16 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VN063742.D
Acq: 30 Sep 2020 11:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.0	32.8	49.2
71	37.9	30.6	45.8

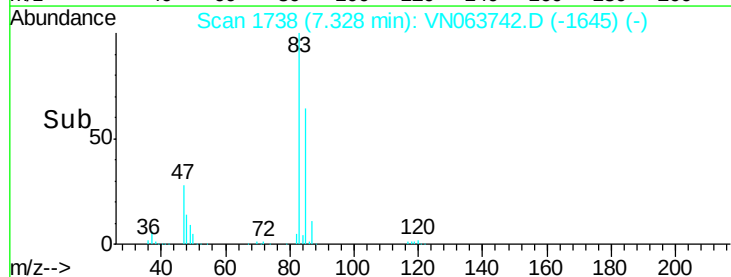
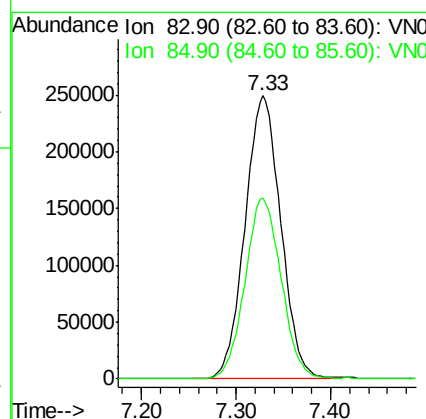
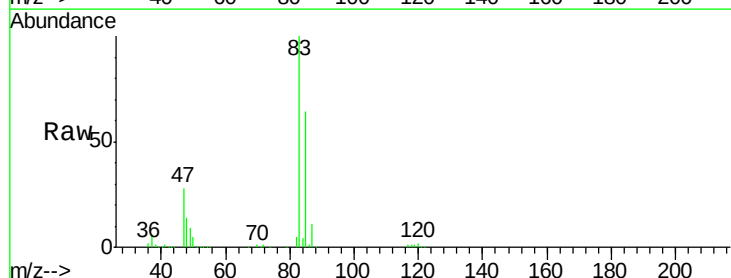
Manual Integrations
APPROVED

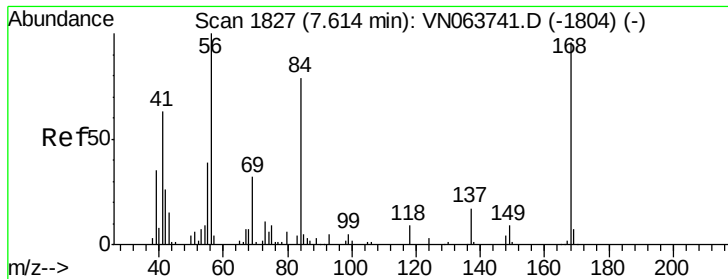
MMDadoda
10/1/2020 2:40:02 PM



#30
Chloroform
Concen: 94.778 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN063742.D
Acq: 30 Sep 2020 11:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	54.6	82.0





#31

Cyclohexane

Concen: 81.049 ug/l

RT: 7.61 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN063742.D

Acq: 30 Sep 2020 11:36

Instrument :

MSVOA_N

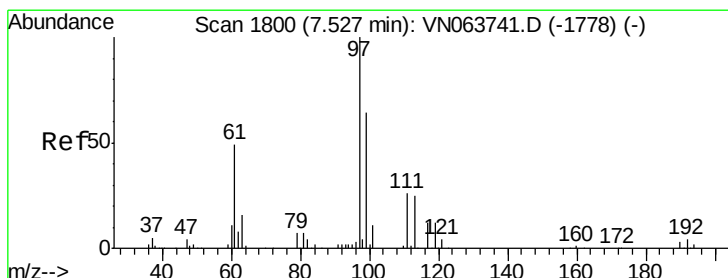
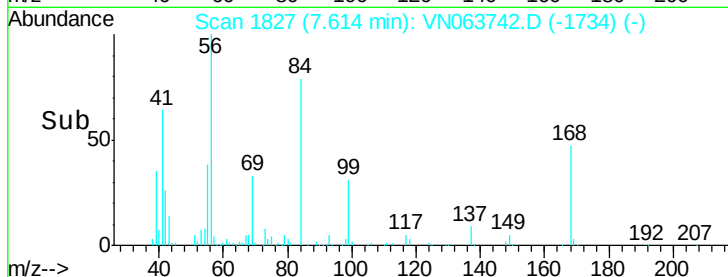
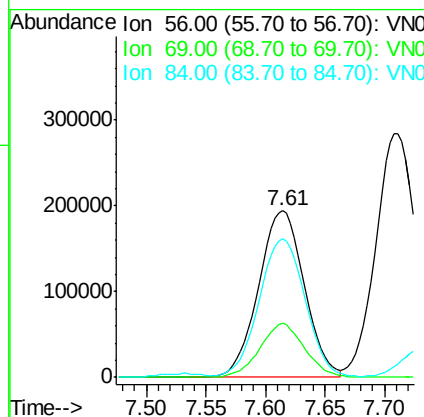
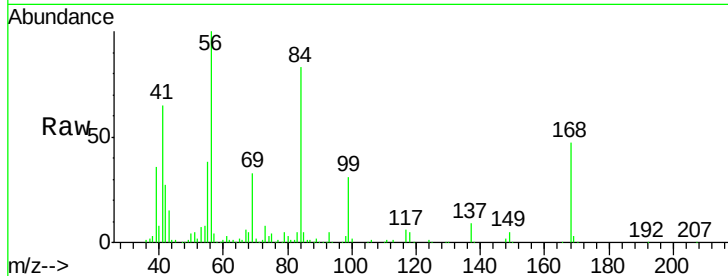
ClientSampleId :

VSTDIC100

Tot Ion	56	Resp	516512
Ion	Ratio	Lower	Upper
56	100		
69	32.5	25.4	38.2
84	80.8	63.3	94.9

Manual Integrations
APPROVED

MMDadoda
10/1/2020 2:40:02 PM



#32

1,1,1-Trichloroethane

Concen: 96.595 ug/l

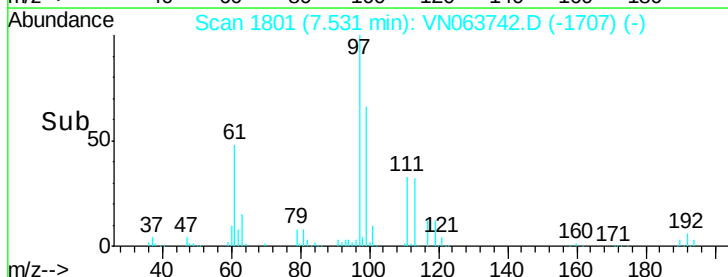
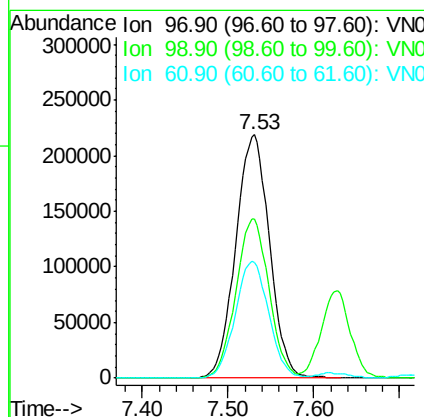
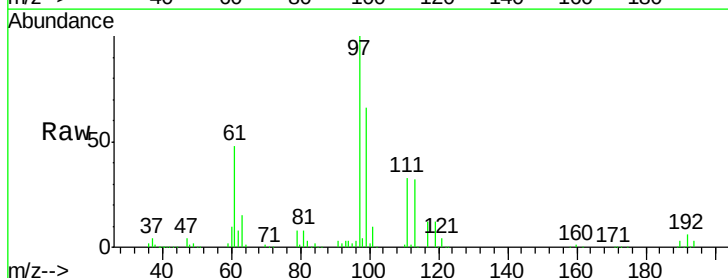
RT: 7.53 min Scan# 1801

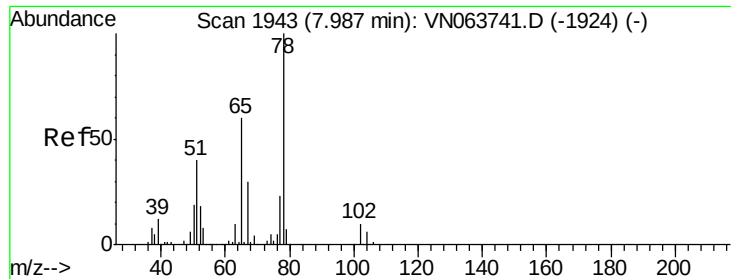
Delta R.T. 0.00 min

Lab File: VN063742.D

Acq: 30 Sep 2020 11:36

Tgt Ion	97	Resp	597690
Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.0	76.6
61	47.6	38.7	58.1





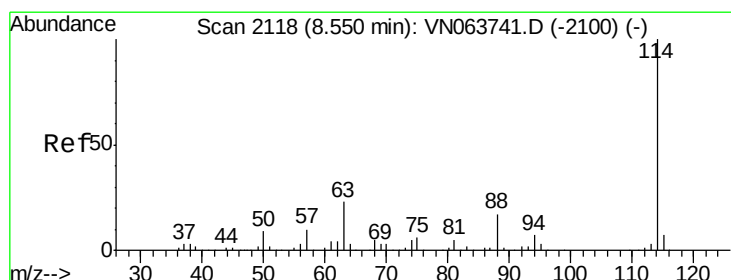
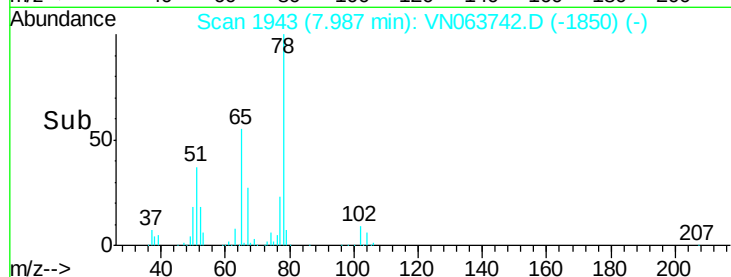
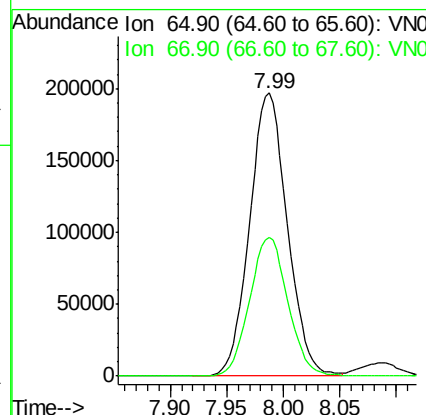
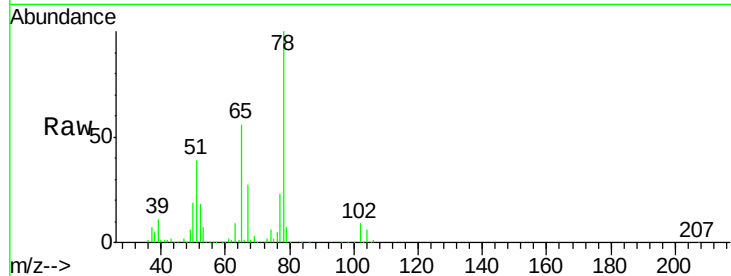
#33
 1,2-Dichloroethane-d4
 Concen: 95.508 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN063742.D
 Acq: 30 Sep 2020 11:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	50.1	0.0	99.6	

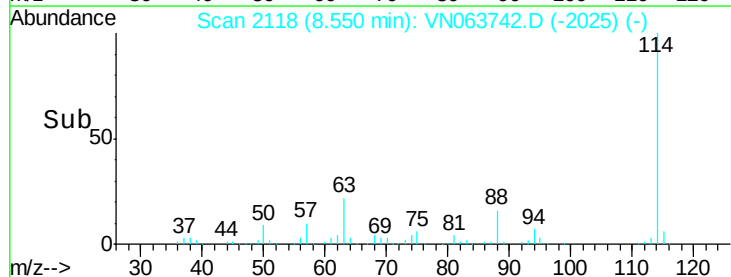
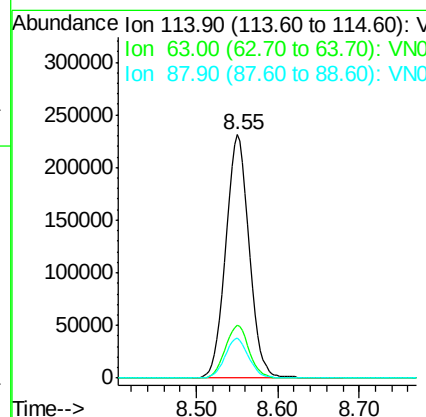
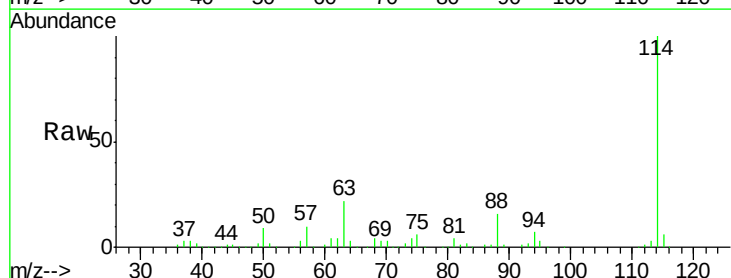
Manual Integrations
 APPROVED

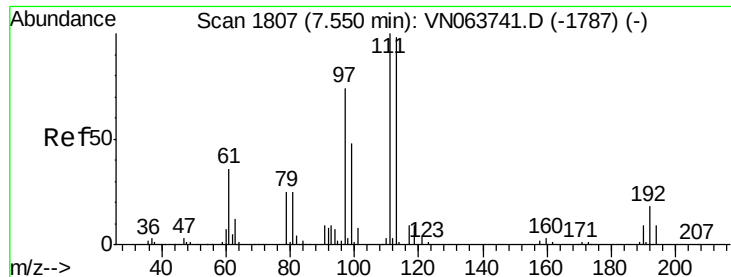
MMDadoda
 10/1/2020 2:40:02 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN063742.D
 Acq: 30 Sep 2020 11:36

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	21.5	0.0	45.0	
88	16.4	0.0	34.0	





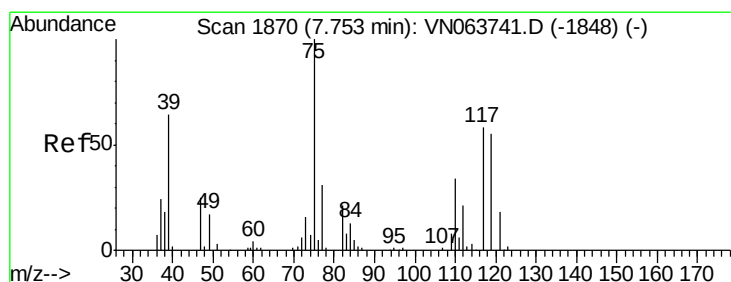
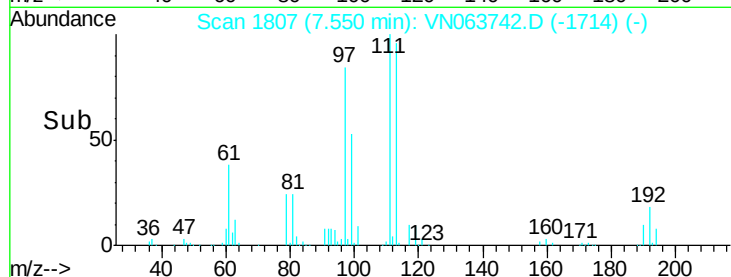
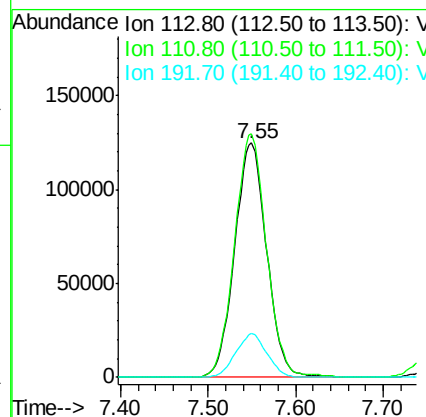
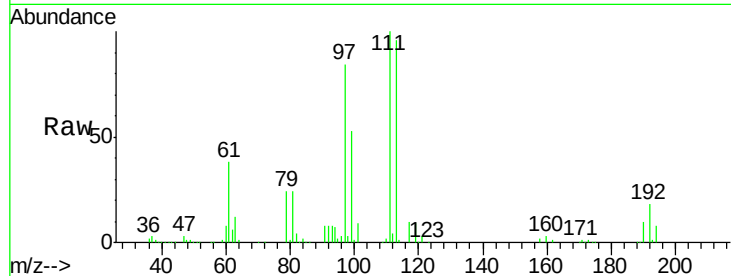
#35
 Dibromofluoromethane
 Concen: 96.979 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN063742.D
 Acq: 30 Sep 2020 11:36

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
113	100	317391		
111	103.7	81.8	122.8	
192	18.3	14.2	21.2	

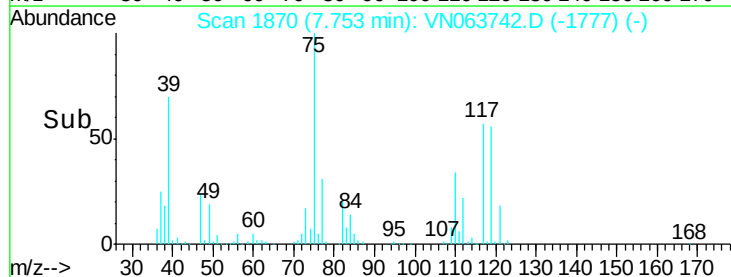
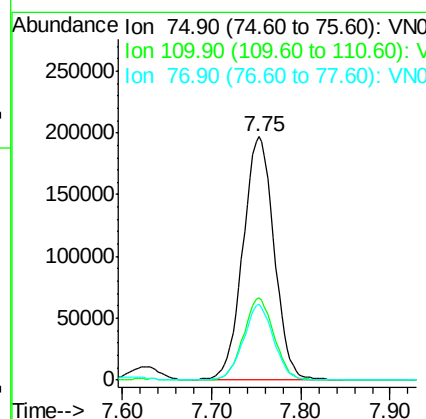
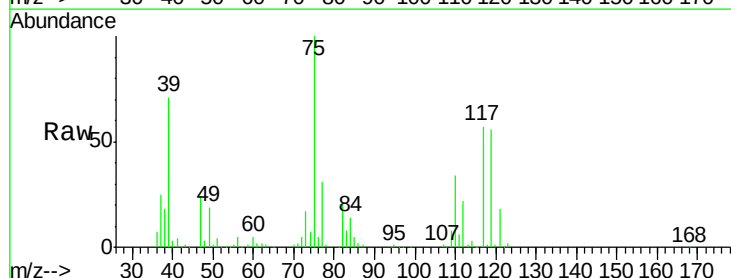
Manual Integrations
 APPROVED

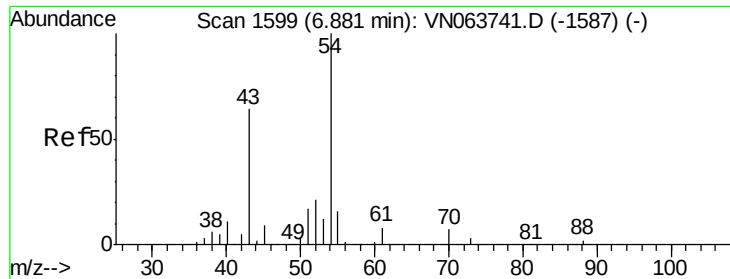
MMDadoda
 10/1/2020 2:40:02 PM



#36
 1,1-Dichloropropene
 Concen: 95.950 ug/l
 RT: 7.75 min Scan# 1870
 Delta R.T. 0.00 min
 Lab File: VN063742.D
 Acq: 30 Sep 2020 11:36

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	474489		
110	33.3	16.9	50.6	
77	30.4	24.5	36.7	





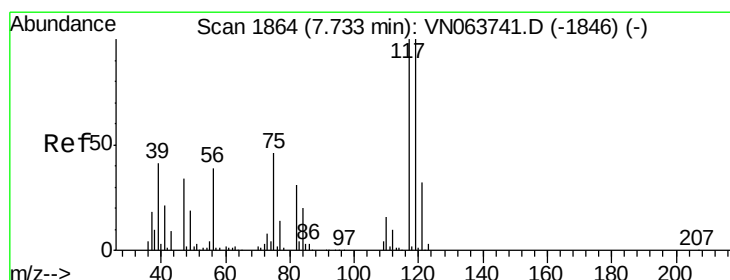
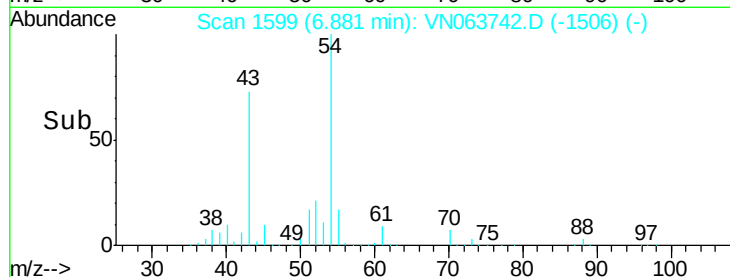
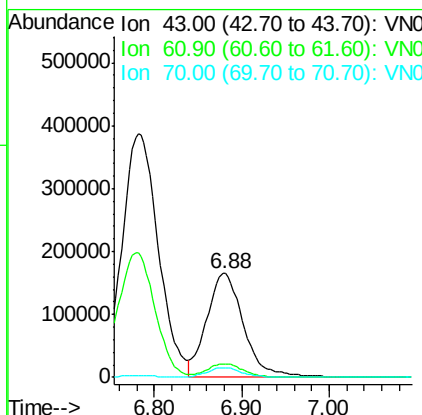
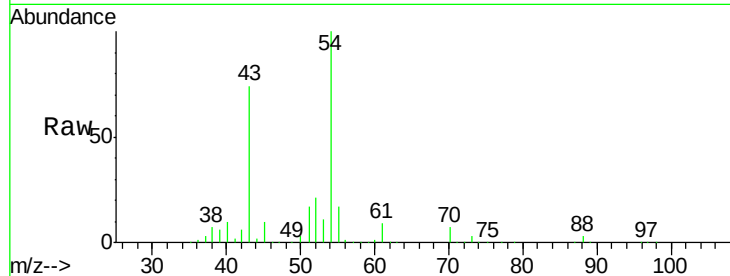
#37
Ethyl Acetate
Concen: 98.191 ug/l
RT: 6.88 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VN063742.D
Acq: 30 Sep 2020 11:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.3	10.4	15.6
70	9.2	7.3	10.9

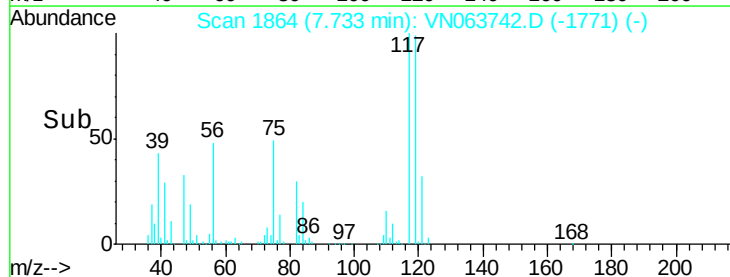
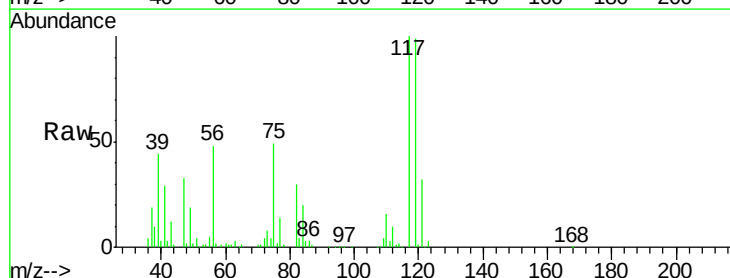
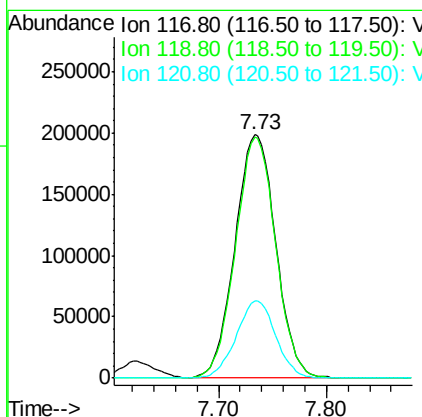
Manual Integrations
APPROVED

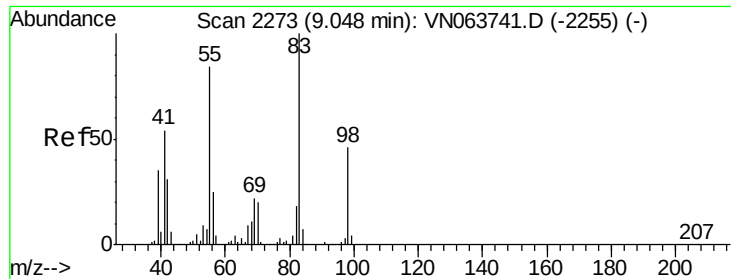
MMDadoda
10/1/2020 2:40:02 PM



#38
Carbon Tetrachloride
Concen: 101.737 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VN063742.D
Acq: 30 Sep 2020 11:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.9	80.1	120.1
121	31.8	25.7	38.5





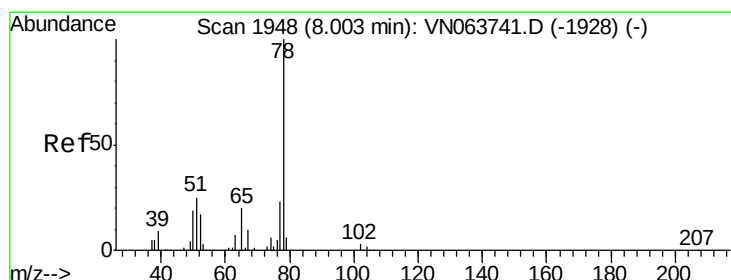
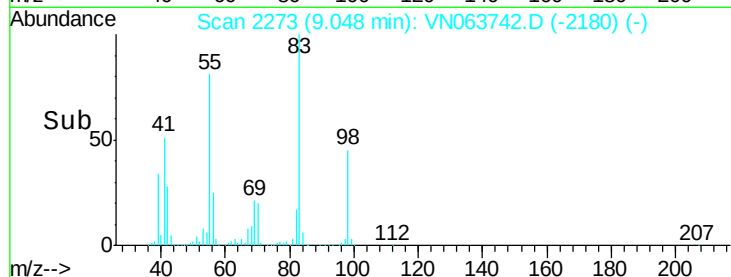
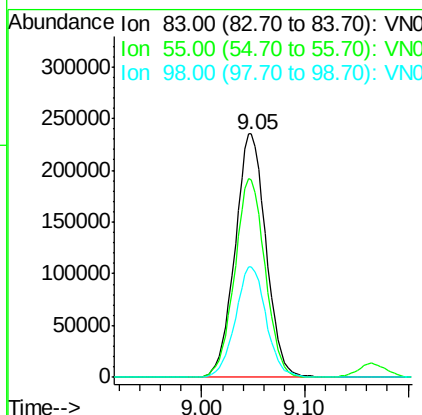
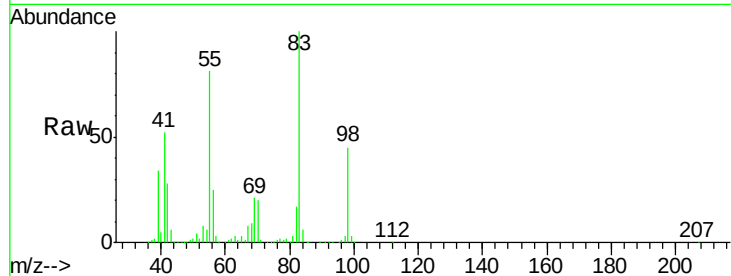
#39
Methylvlcyclohexane
Concen: 92.186 ug/l
RT: 9.05 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN063742.D
Acq: 30 Sep 2020 11:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
83	100	490501		
55	81.0		67.1	100.7
98	45.4		36.6	54.8

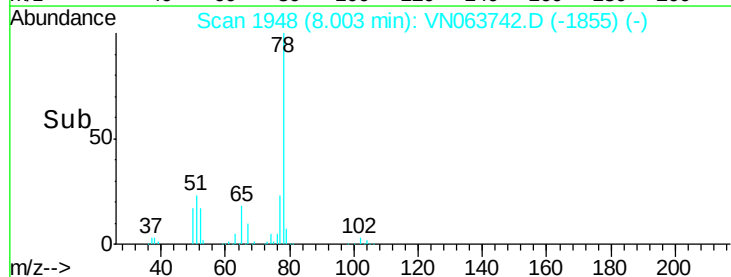
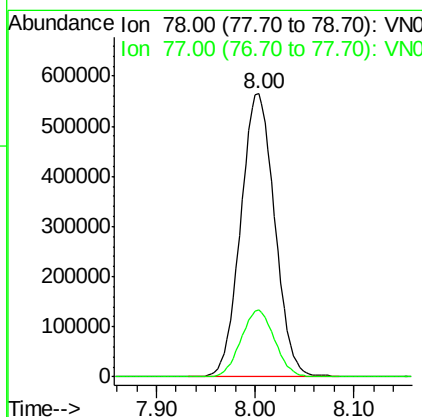
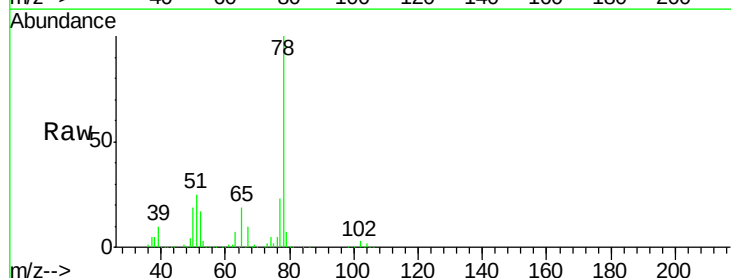
Manual Integrations
APPROVED

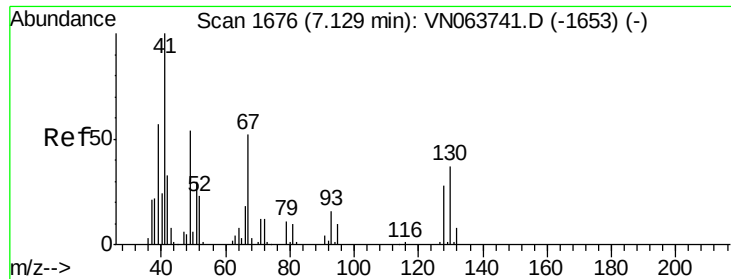
MMDadoda
10/1/2020 2:40:02 PM



#40
Benzene
Concen: 95.381 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN063742.D
Acq: 30 Sep 2020 11:36

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	1346398		
77	23.5		18.7	28.1





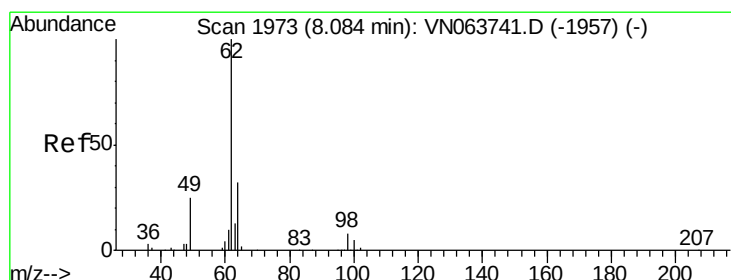
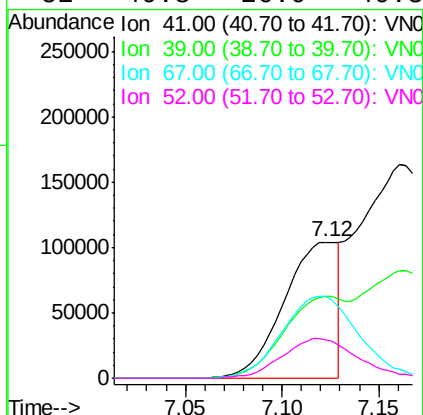
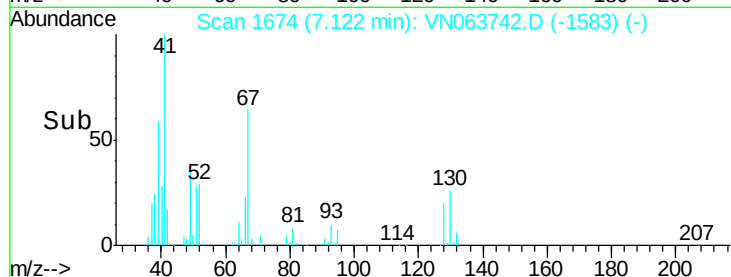
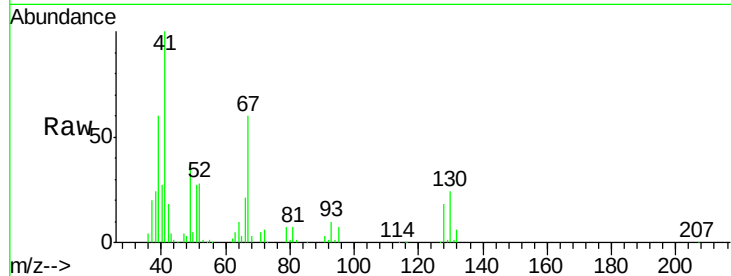
#41
Methacrylonitrile
Concen: 91.262 ug/l
RT: 7.12 min Scan# 1674
Delta R.T. -0.01 min
Lab File: VN063742.D
Acq: 30 Sep 2020 11:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
41	100		
39	71.4	42.5	63.7#
67	86.9	57.4	86.2#
52	40.8	26.9	40.3#

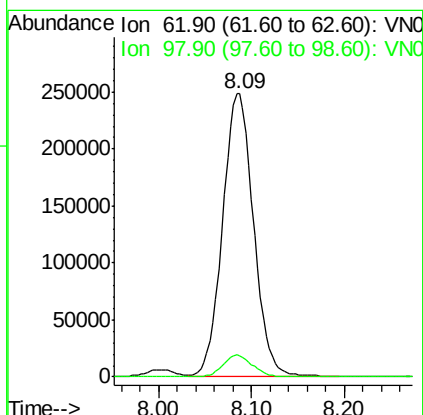
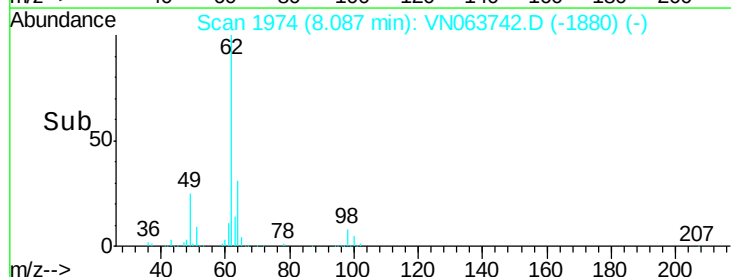
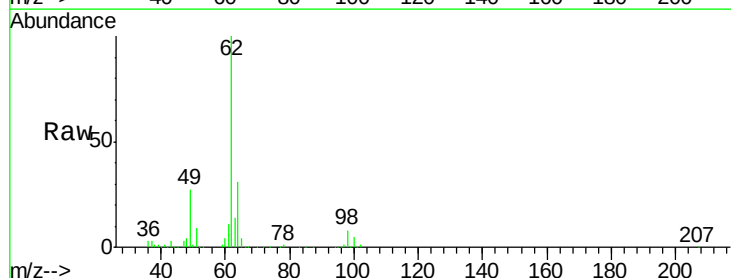
Manual Integrations
APPROVED

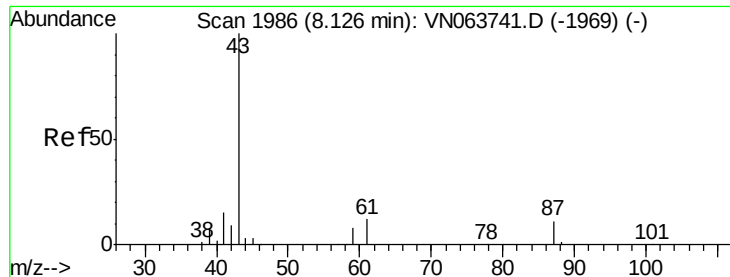
MMDadoda
10/1/2020 2:40:02 PM



#42
1,2-Dichloroethane
Concen: 99.837 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. 0.00 min
Lab File: VN063742.D
Acq: 30 Sep 2020 11:36

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.4	0.0	15.0





#43

Isopropyl Acetate

Concen: 96.141 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VN063742.D

Acq: 30 Sep 2020 11:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tot Ion: 43 Resp: 832898

Ion Ratio Lower Upper

43 100

61 17.4 14.2 21.4

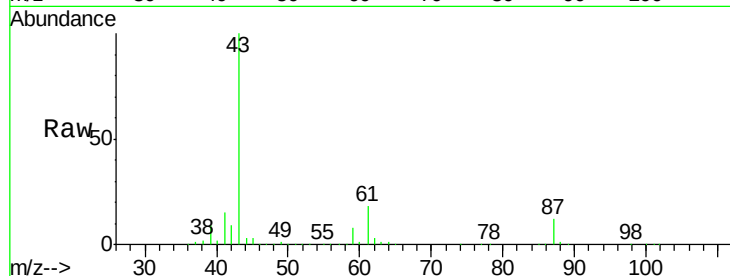
87 11.8 9.0 13.6

Manual Integrations

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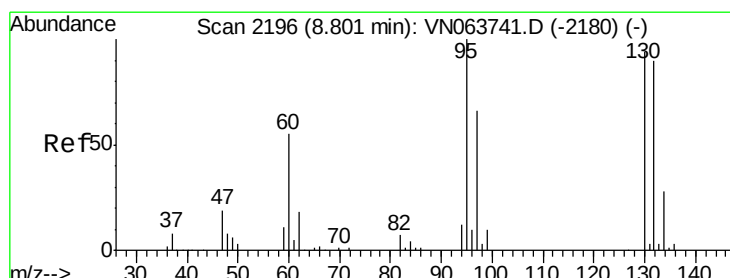
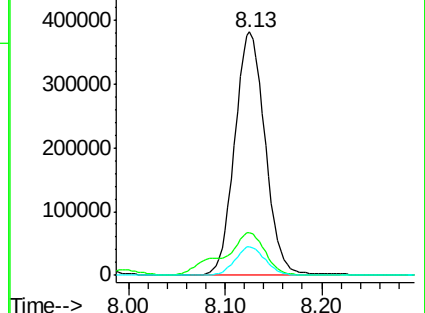
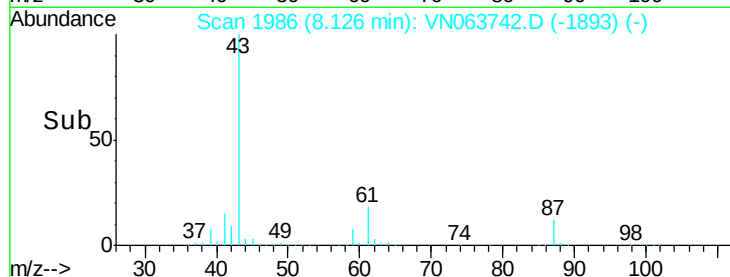
10/1/2020 2:40:02 PM



Abundance Ion 43.00 (42.70 to 43.70): VN063742.D (-1893) (-)

Ion 61.00 (60.70 to 61.70): VN063742.D (-1893) (-)

Ion 87.00 (86.70 to 87.70): VN063742.D (-1893) (-)



#44

Trichloroethene

Concen: 100.185 ug/l

RT: 8.80 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN063742.D

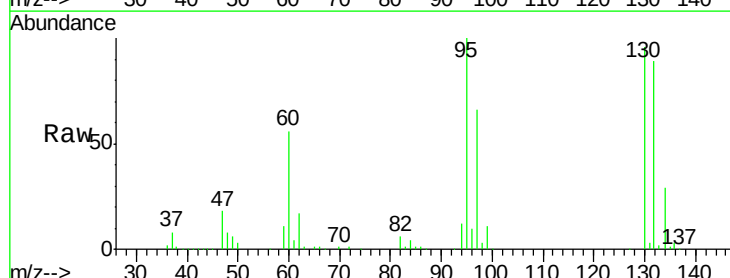
Acq: 30 Sep 2020 11:36

Tgt Ion:130 Resp: 347130

Ion Ratio Lower Upper

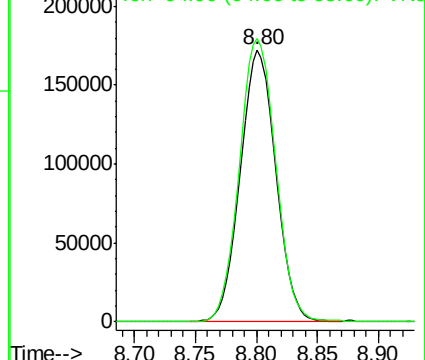
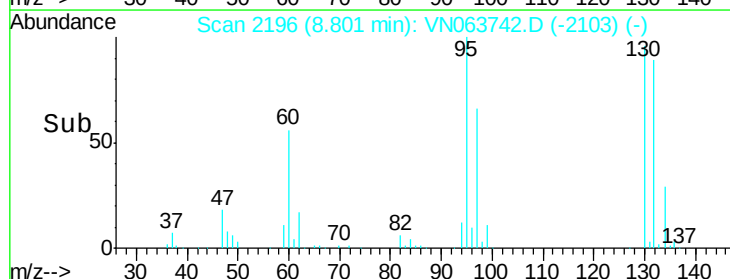
130 100

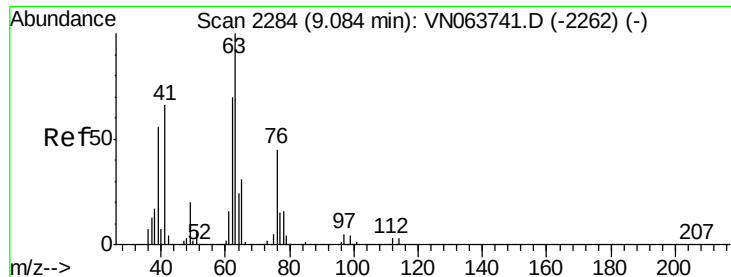
95 104.0 0.0 213.6



Abundance Ion 129.80 (129.50 to 130.50): VN063742.D (-2103) (-)

Ion 94.90 (94.60 to 95.60): VN063742.D (-2103) (-)





#45

1,2-Dichloropropane

Concen: 94.749 ug/l

RT: 9.08 min Scan# 2284

Delta R.T. 0.00 min

Lab File: VN063742.D

Acq: 30 Sep 2020 11:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 63 Resp: 363737

Ion Ratio Lower Upper

63 100

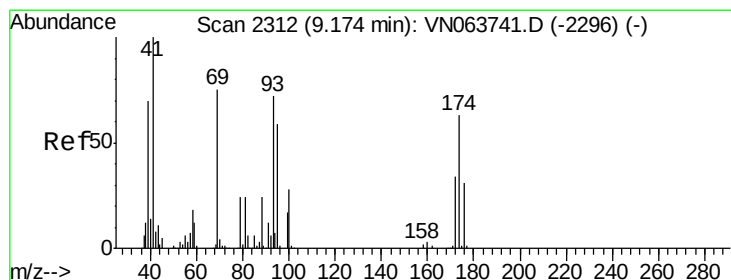
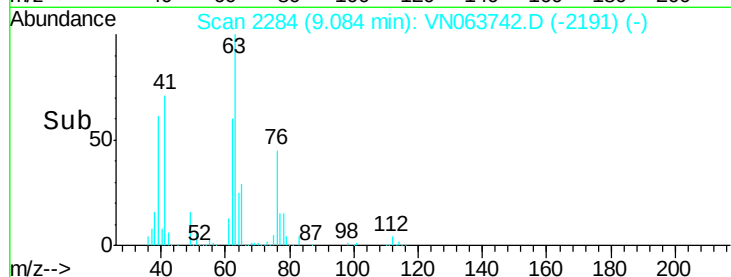
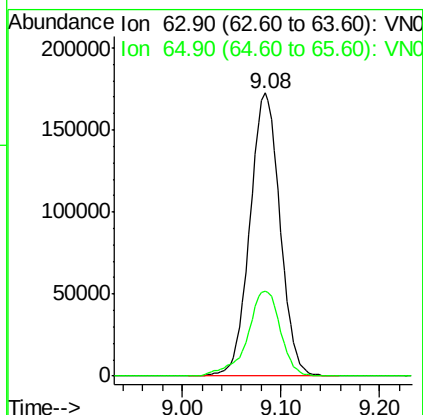
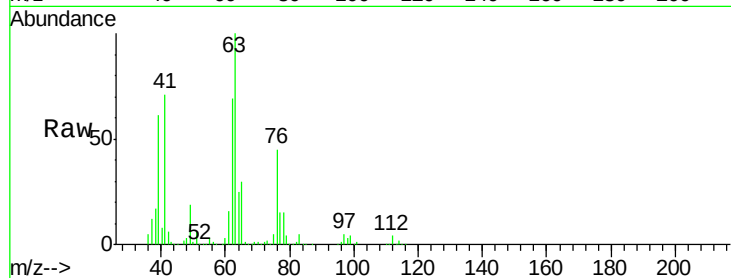
65 30.1 24.7 37.1

Manual Integrations

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#46

Dibromomethane

Concen: 99.793 ug/l

RT: 9.17 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN063742.D

Acq: 30 Sep 2020 11:36

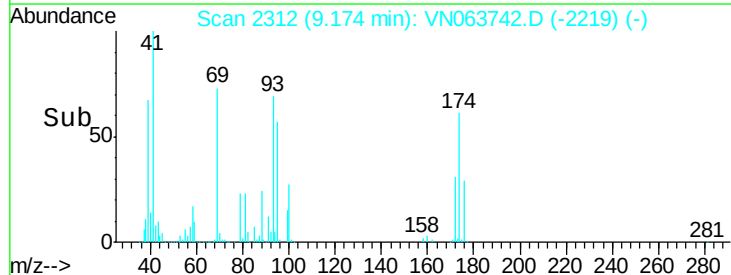
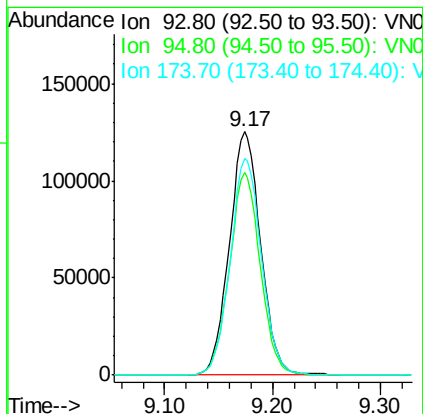
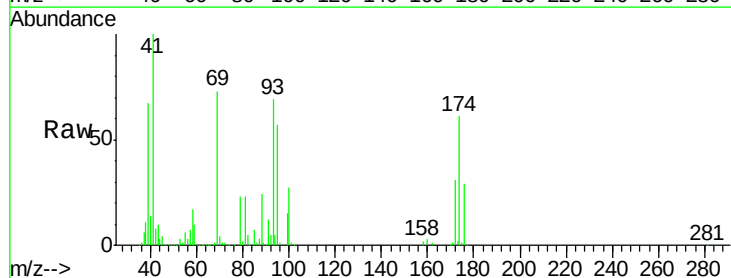
Tgt Ion: 93 Resp: 253183

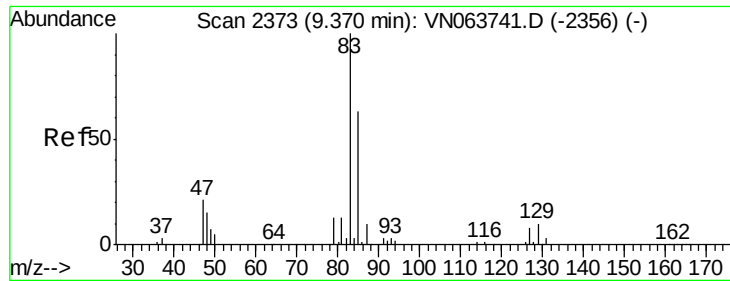
Ion Ratio Lower Upper

93 100

95 82.0 66.3 99.5

174 89.1 72.7 109.1





#47

Bromodichloromethane

Concen: 102.945 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN063742.D

Acq: 30 Sep 2020 11:36

Instrument :

MSVOA_N

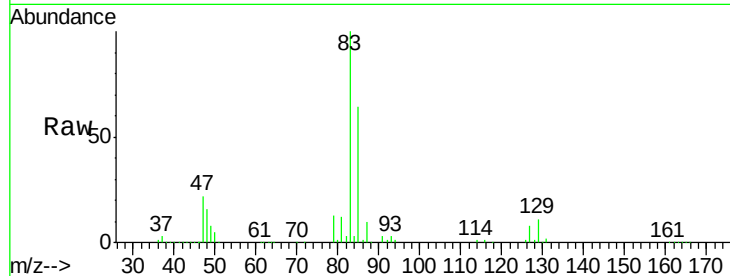
ClientSampleId :

VSTDIC100

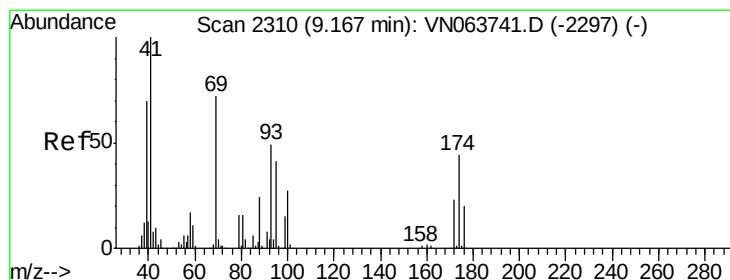
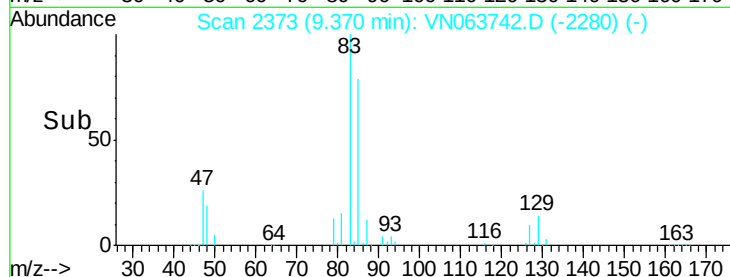
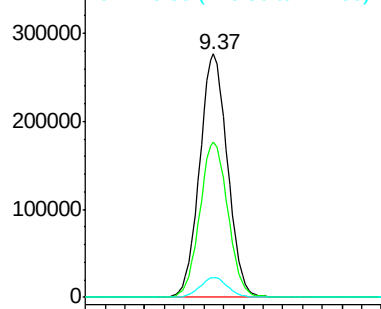
Tot Ion:	83	Resp:	545280
Ion Ratio	Lower	Upper	
83	100		
85	63.6	50.6	75.8
127	8.3	6.6	9.8

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN063742.D (-2280) (-)



#48

Methyl methacrylate

Concen: 97.727 ug/l

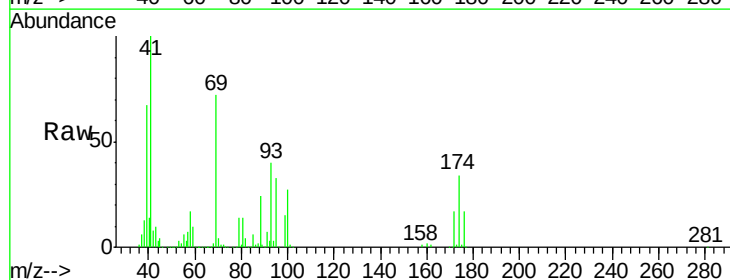
RT: 9.16 min Scan# 2309

Delta R.T. -0.00 min

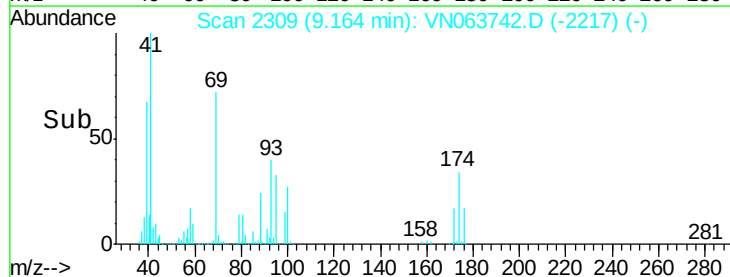
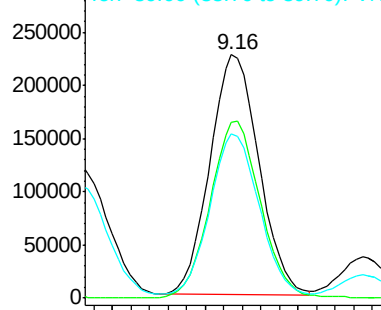
Lab File: VN063742.D

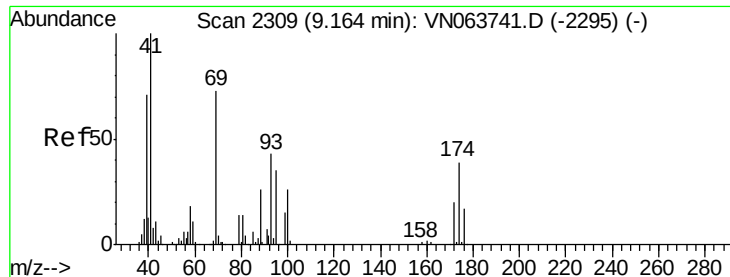
Acq: 30 Sep 2020 11:36

Tgt Ion:	41	Resp:	414386
Ion Ratio	Lower	Upper	
41	100		
69	75.1	60.9	91.3
39	69.6	57.5	86.3



Abundance Ion 41.00 (40.70 to 41.70): VN063742.D (-2217) (-)





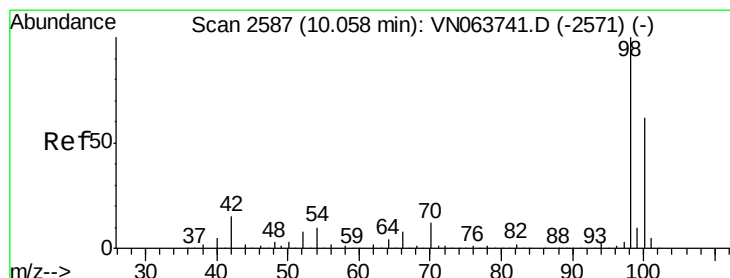
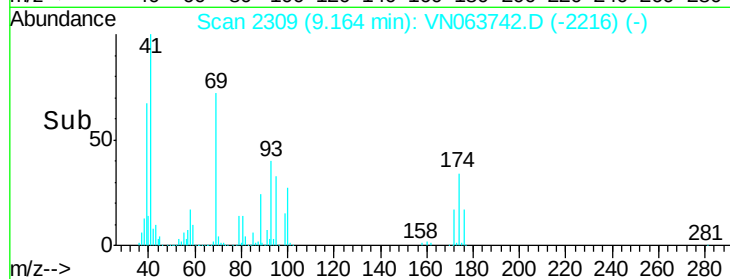
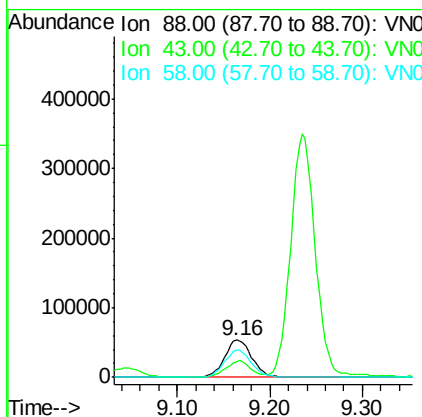
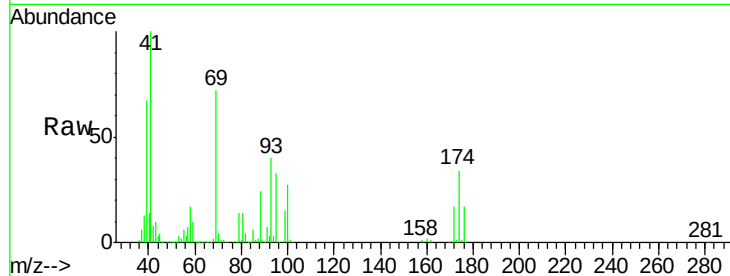
#49
 1,4-Dioxane
 Concen: 1807.977 ug/l
 RT: 9.16 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN063742.D
 Acq: 30 Sep 2020 11:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	88	Resp	109528
Ion	Ratio	Lower	Upper
88	100		
43	39.8	33.1	49.7
58	71.7	58.9	88.3

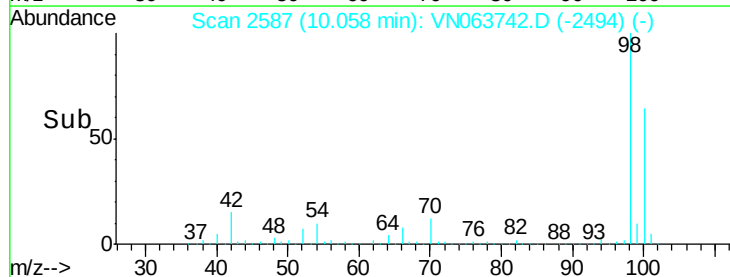
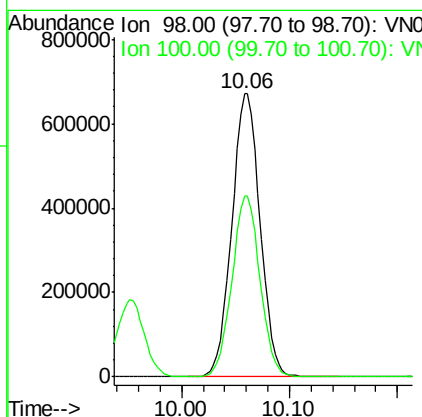
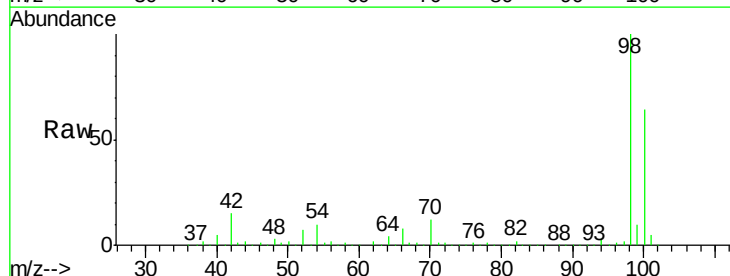
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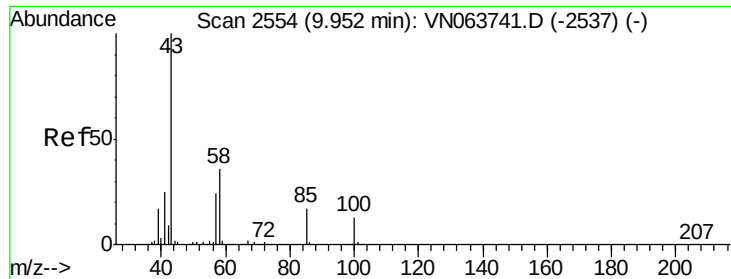
MMDadoda
 10/1/2020 2:40:02 PM



#50
 Toluene-d8
 Concen: 100.191 ug/l
 RT: 10.06 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN063742.D
 Acq: 30 Sep 2020 11:36

Tgt Ion	98	Resp	1226102
Ion	Ratio	Lower	Upper
98	100		
100	63.4	49.8	74.6





#51

4-Methyl-2-Pentanone

Concen: 504.539 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN063742.D

Acq: 30 Sep 2020 11:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 2466676

Ion Ratio Lower Upper

43 100

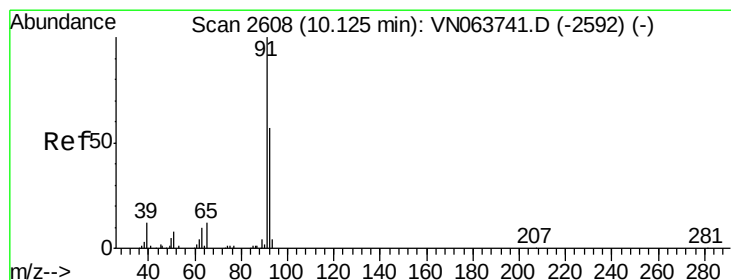
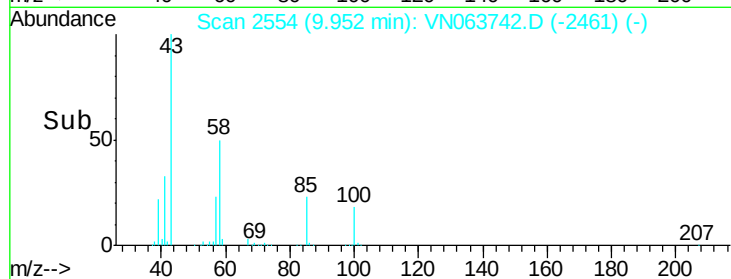
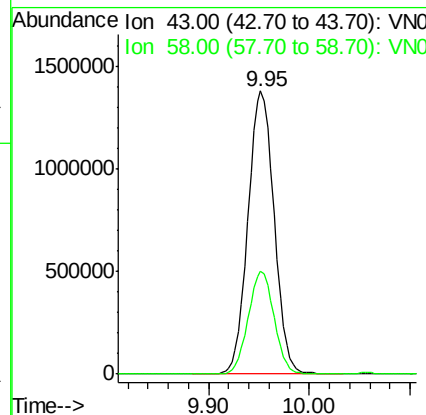
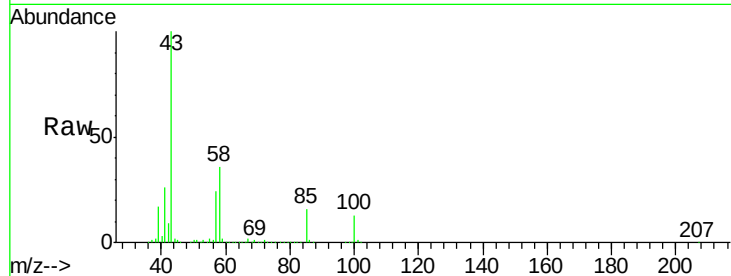
58 36.0 28.4 42.6

Manual Integrations

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#52

Toluene

Concen: 102.654 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN063742.D

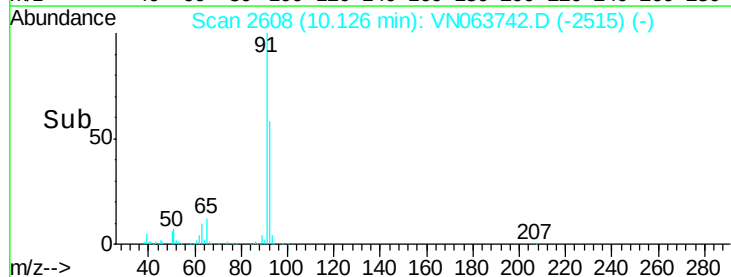
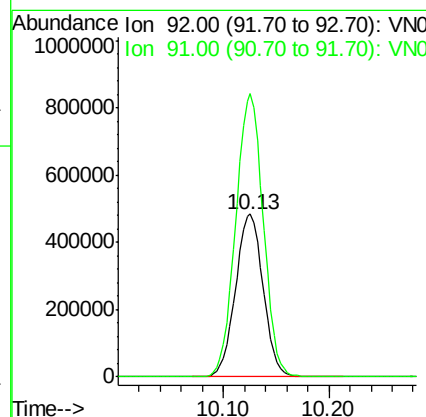
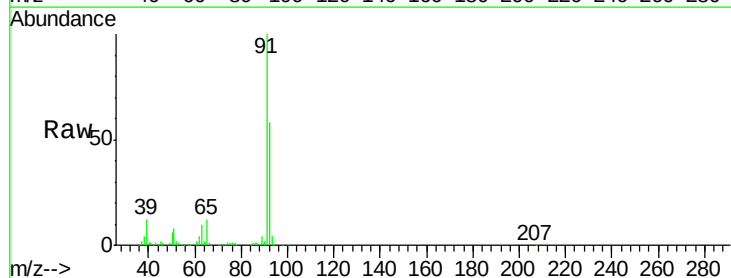
Acq: 30 Sep 2020 11:36

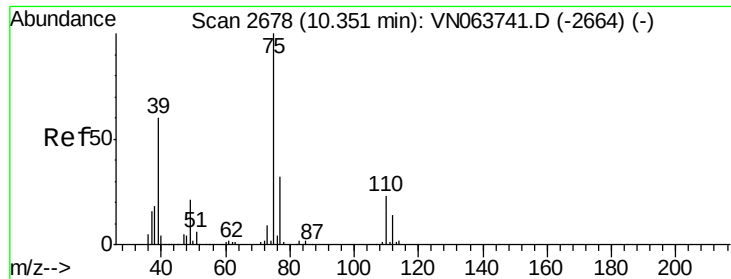
Tgt Ion: 92 Resp: 875131

Ion Ratio Lower Upper

92 100

91 174.0 140.6 210.8





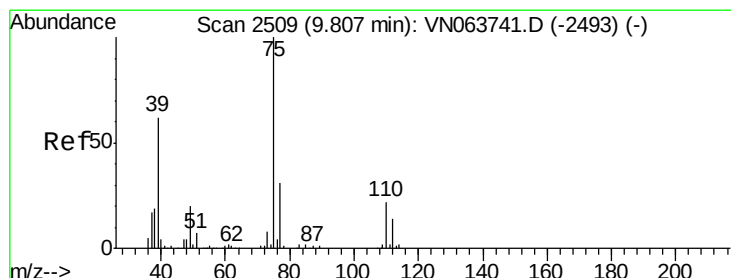
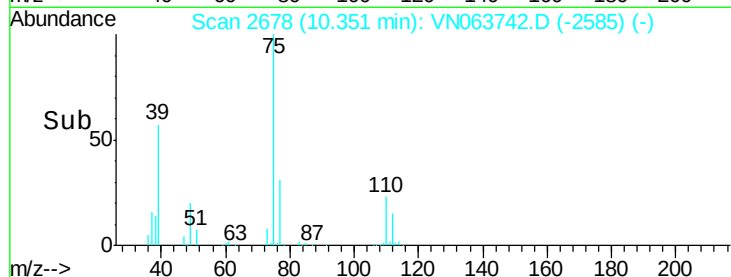
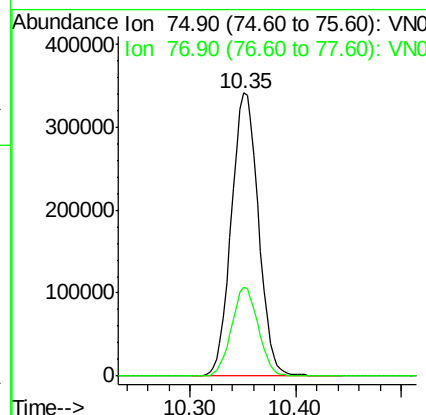
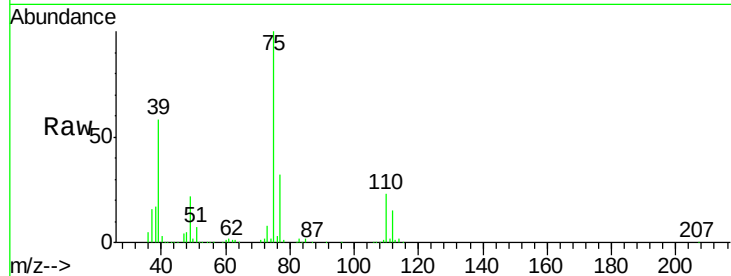
#53
t-1,3-Dichloropropene
Concen: 103.104 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN063742.D
Acq: 30 Sep 2020 11:36

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.3	37.9

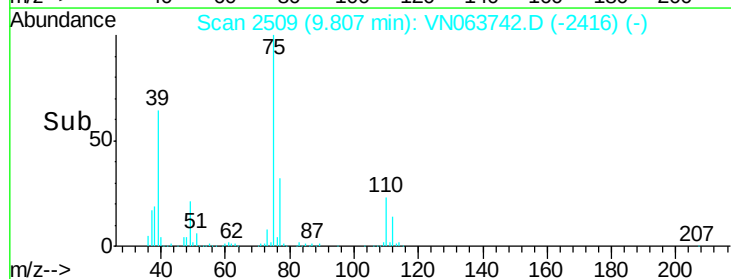
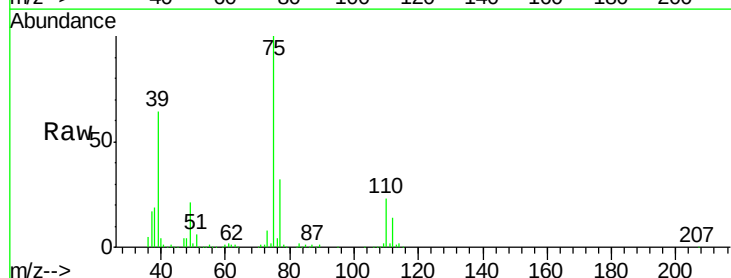
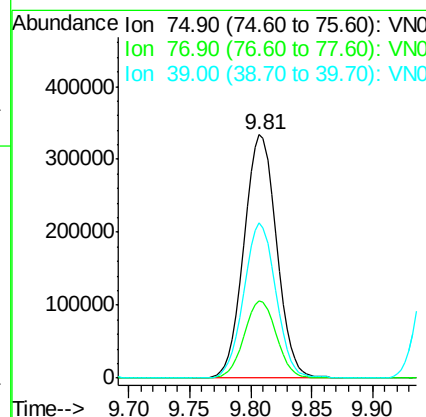
Manual Integrations
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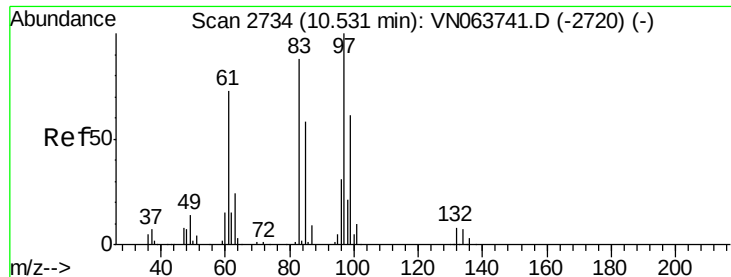
MMDadoda
10/1/2020 2:40:02 PM



#54
cis-1,3-Dichloropropene
Concen: 99.577 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN063742.D
Acq: 30 Sep 2020 11:36

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.8	24.6	36.8
39	63.6	49.7	74.5





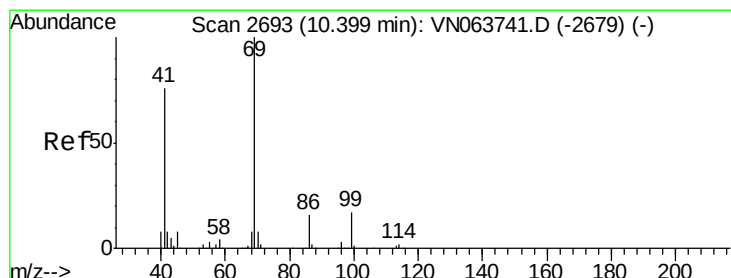
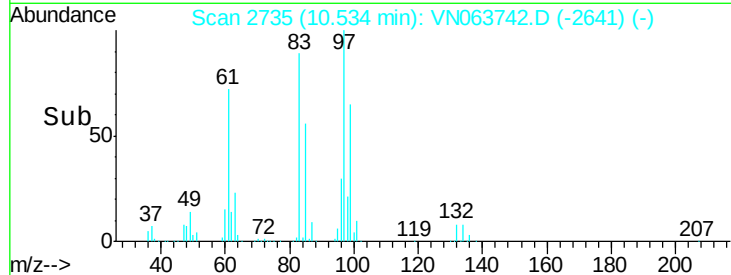
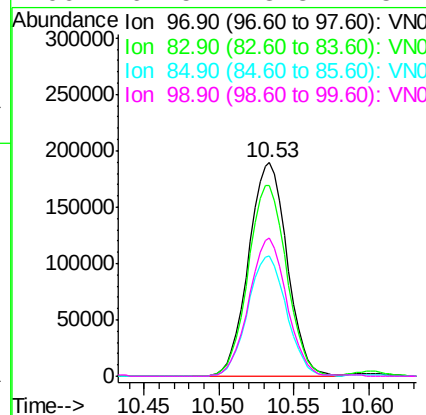
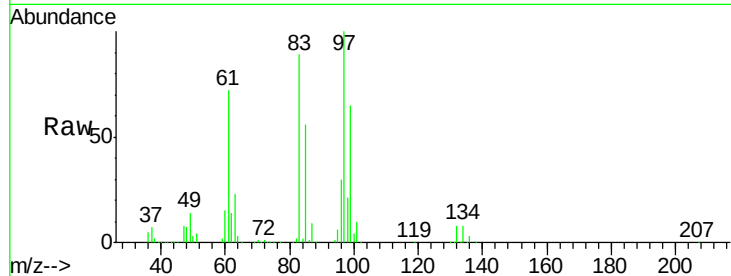
#55
 1,1,2-Trichloroethane
 Concen: 100.187 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN063742.D
 Acq: 30 Sep 2020 11:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion:	97	Resp:	341020
Ion	Ratio	Lower	Upper
97	100		
83	89.2	70.7	106.1
85	56.1	46.1	69.1
99	64.5	48.8	73.2

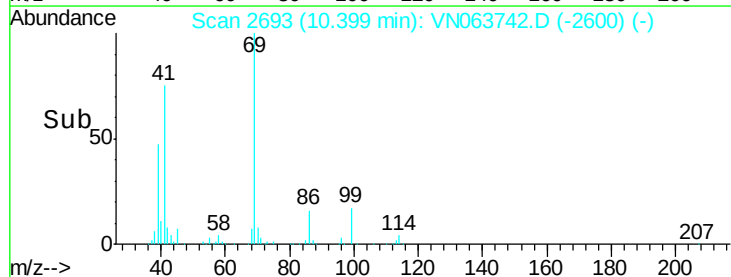
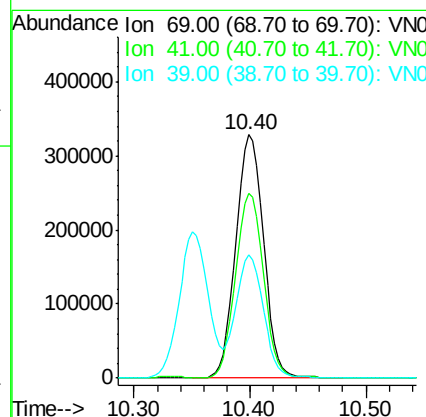
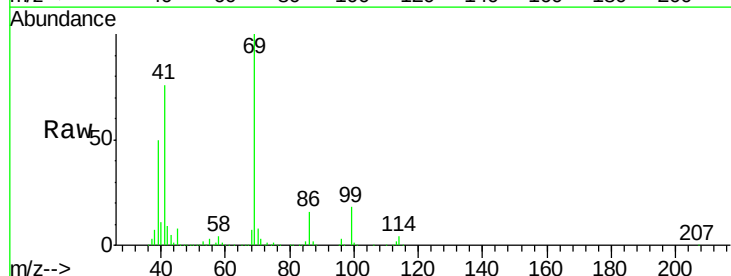
Manual Integrations
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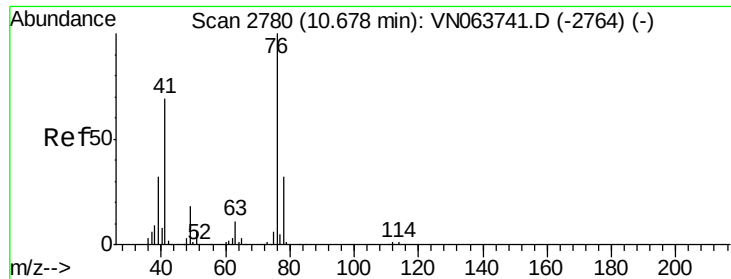
MMDadoda
 10/1/2020 2:40:02 PM



#56
 Ethyl methacrylate
 Concen: 103.507 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN063742.D
 Acq: 30 Sep 2020 11:36

Tgt Ion:	69	Resp:	544209
Ion	Ratio	Lower	Upper
69	100		
41	75.9	61.1	91.7
39	50.2	42.2	63.4





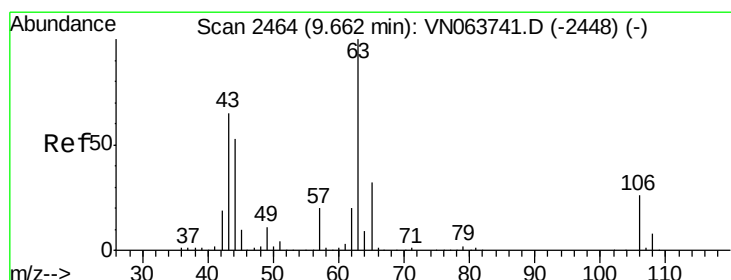
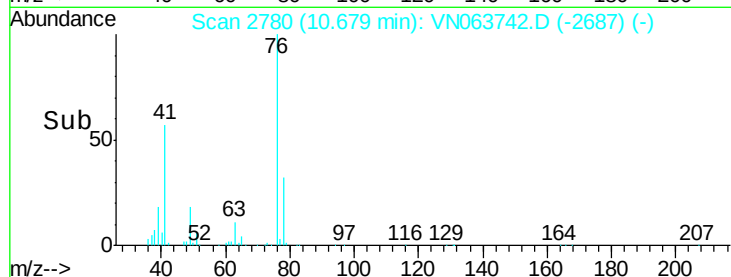
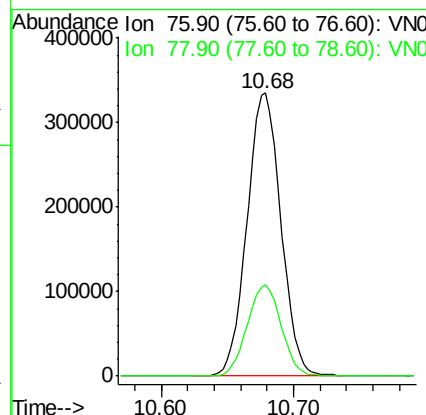
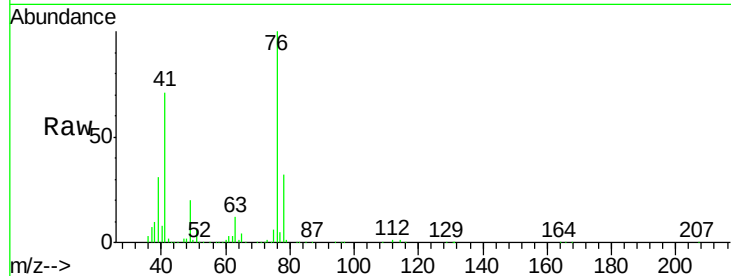
#57
 1,3-Dichloropropane
 Concen: 97.452 ug/l
 RT: 10.68 min Scan# 2780
 Delta R.T. 0.00 min
 Lab File: VN063742.D
 Acq: 30 Sep 2020 11:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion: 76 Resp: 594641
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.2 37.8

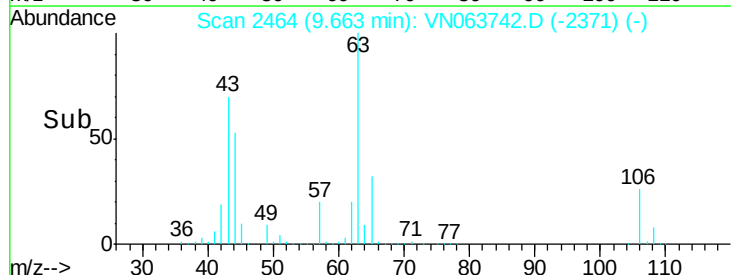
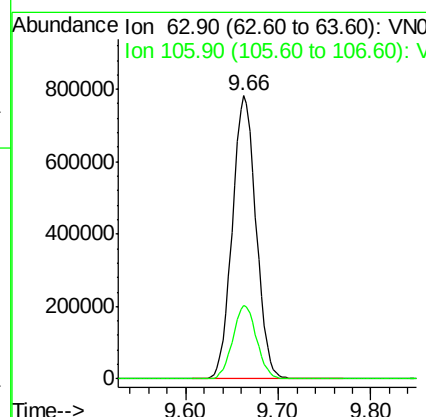
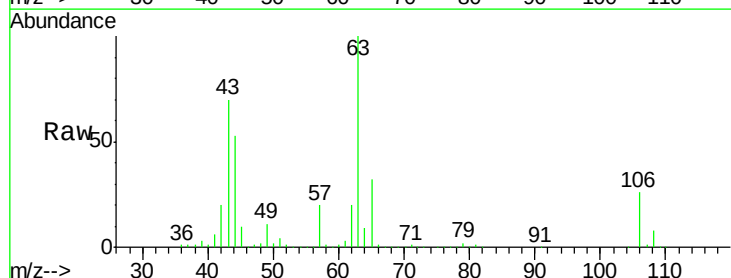
Manual Integrations
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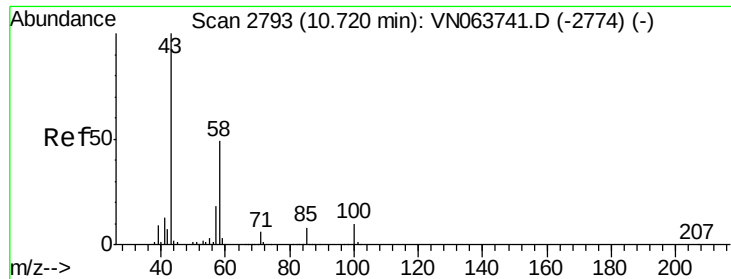
MMDadoda
 10/1/2020 2:40:02 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 499.098 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN063742.D
 Acq: 30 Sep 2020 11:36

Tgt Ion: 63 Resp: 1389179
 Ion Ratio Lower Upper
 63 100
 106 26.1 20.7 31.1





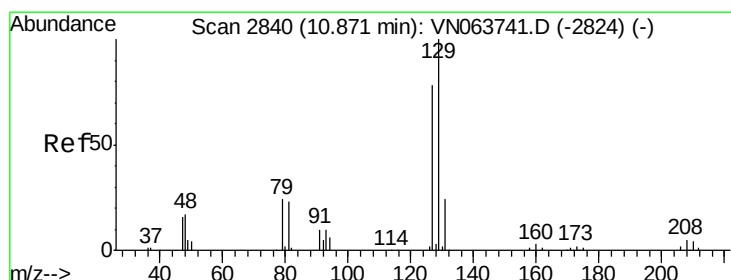
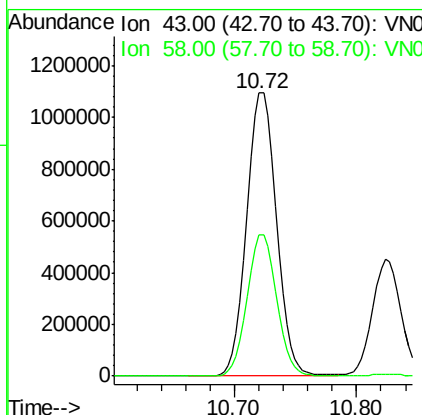
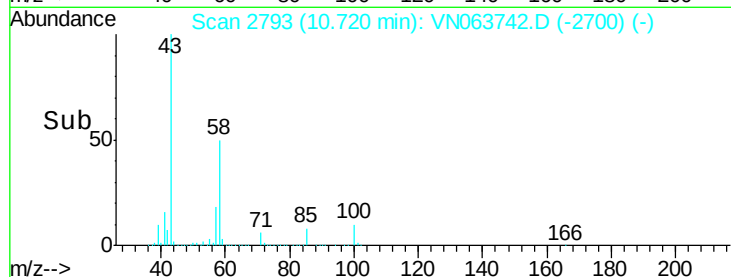
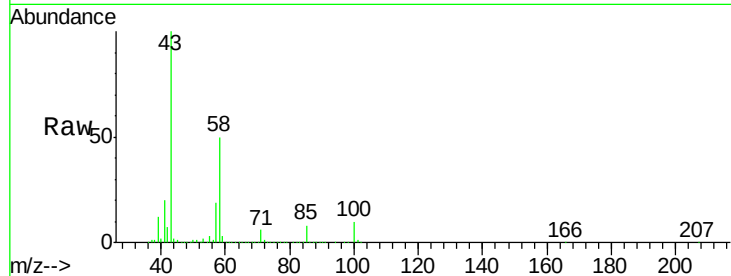
#59
2-Hexanone
Concen: 519.946 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN063742.D
Acq: 30 Sep 2020 11:36

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion: 43 Resp: 1842484
Ion Ratio Lower Upper
43 100
58 49.4 24.6 73.8

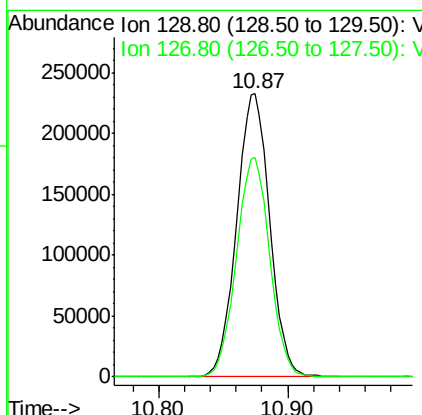
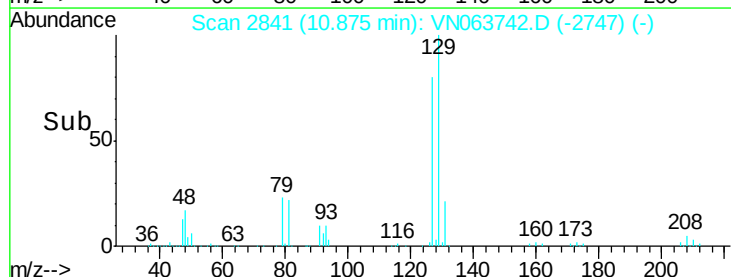
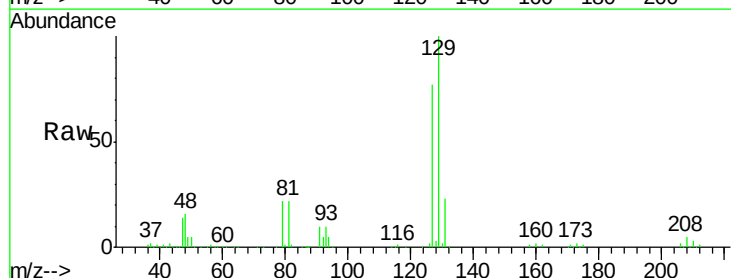
Manual Integrations
APPROVED

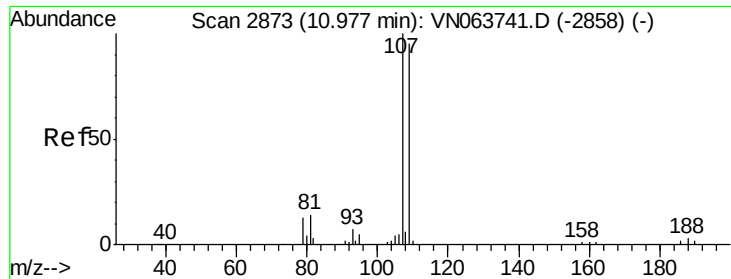
MMDadoda
10/1/2020 2:40:02 PM



#60
Dibromochloromethane
Concen: 107.926 ug/l
RT: 10.87 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VN063742.D
Acq: 30 Sep 2020 11:36

Tgt Ion: 129 Resp: 415547
Ion Ratio Lower Upper
129 100
127 78.0 38.9 116.7





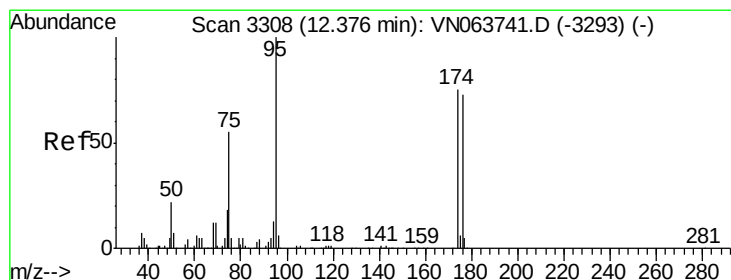
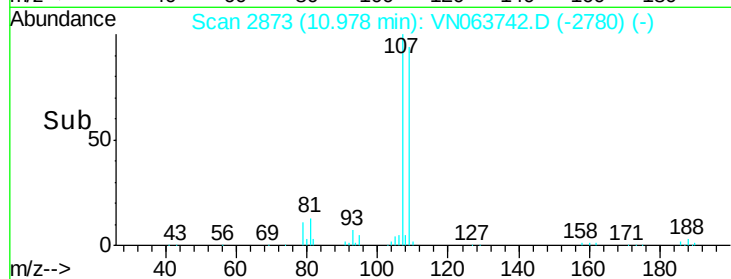
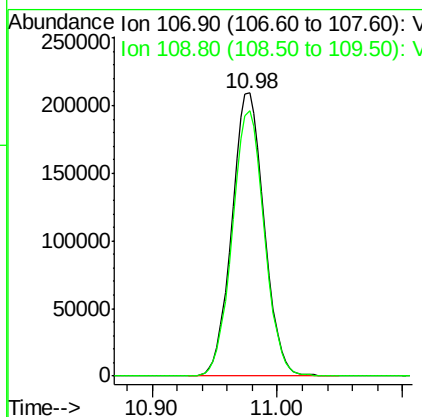
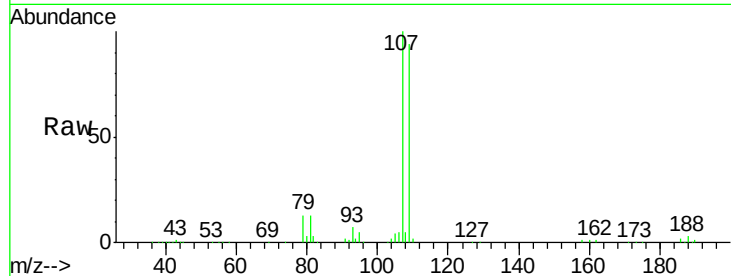
#61
 1,2-Dibromoethane
 Concen: 105.768 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN063742.D
 Acq: 30 Sep 2020 11:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.5	74.8	112.2

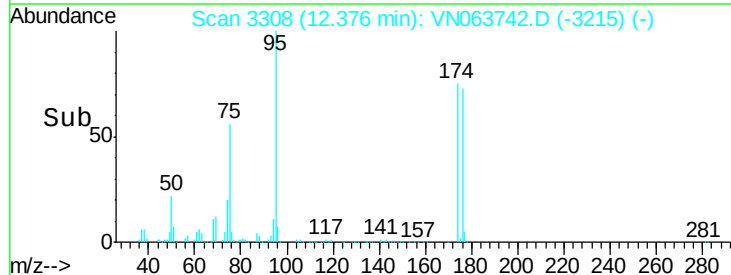
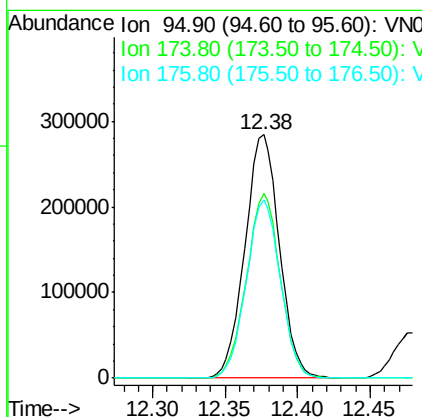
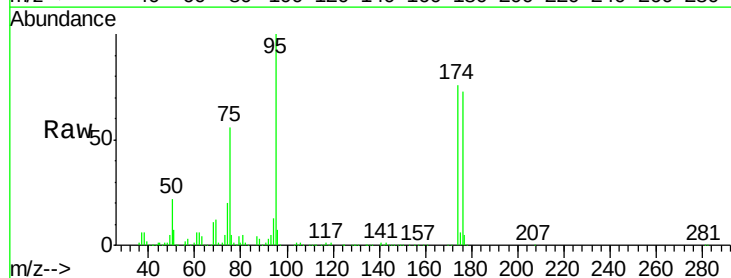
Manual Integrations
 APPROVED

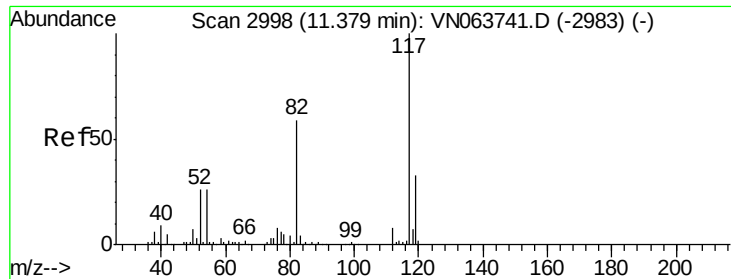
MMDadoda
 10/1/2020 2:40:02 PM



#62
 4-Bromofluorobenzene
 Concen: 104.228 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.00 min
 Lab File: VN063742.D
 Acq: 30 Sep 2020 11:36

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.6	0.0	150.6
176	72.5	0.0	145.4





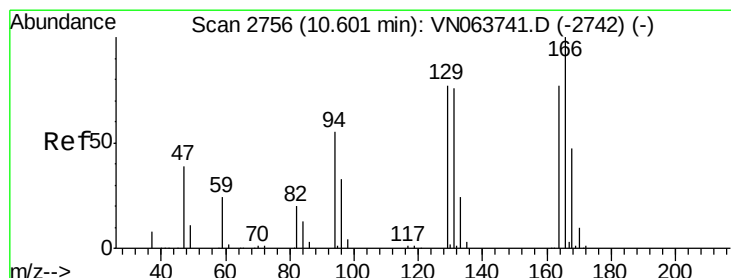
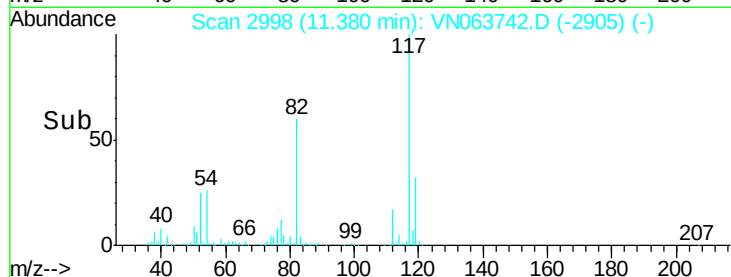
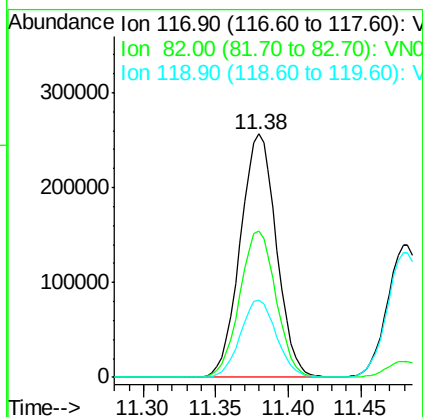
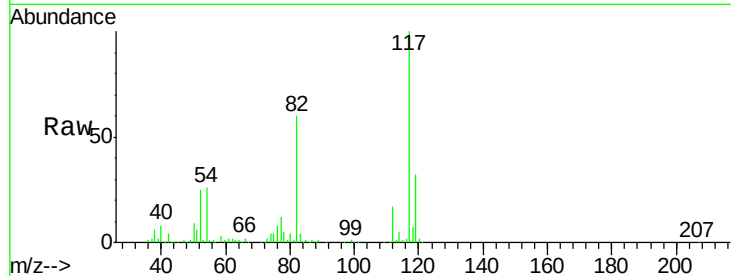
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN063742.D
Acq: 30 Sep 2020 11:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
117	100	444791		
82	60.0		47.4	71.2
119	31.9		26.4	39.6

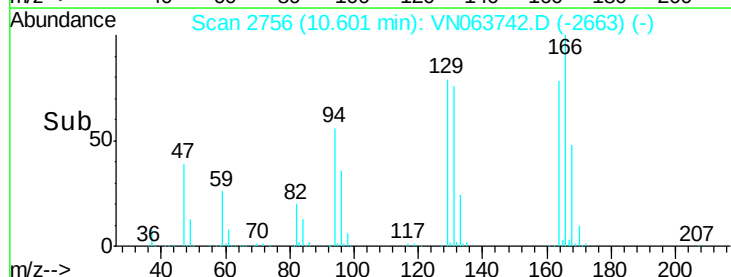
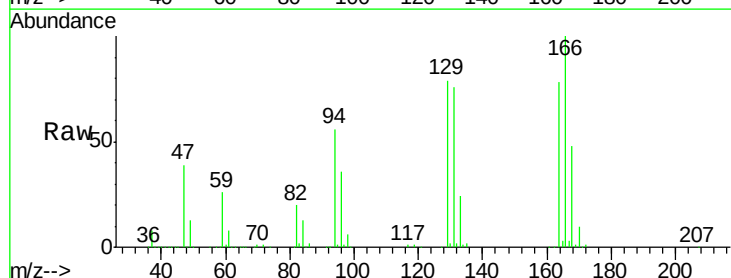
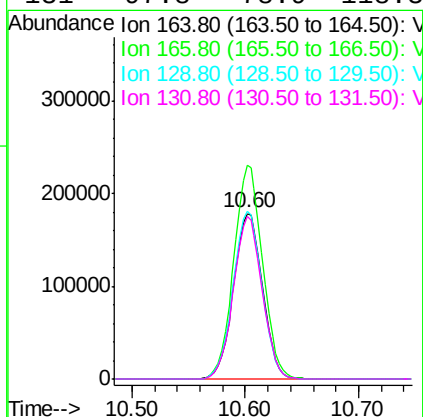
Manual Integrations
APPROVED

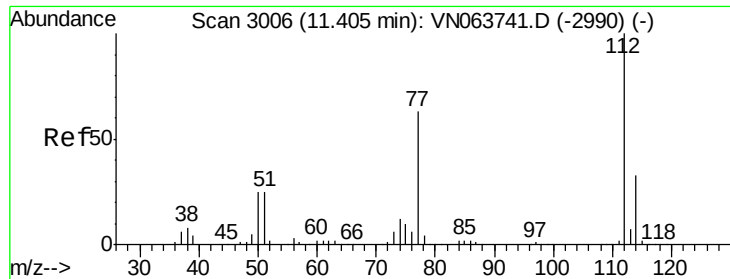
MMDadoda
10/1/2020 2:40:02 PM



#64
Tetrachloroethene
Concen: 104.422 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN063742.D
Acq: 30 Sep 2020 11:36

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	318742		
166	128.9		103.9	155.9
129	101.3		80.3	120.5
131	97.8		78.9	118.3





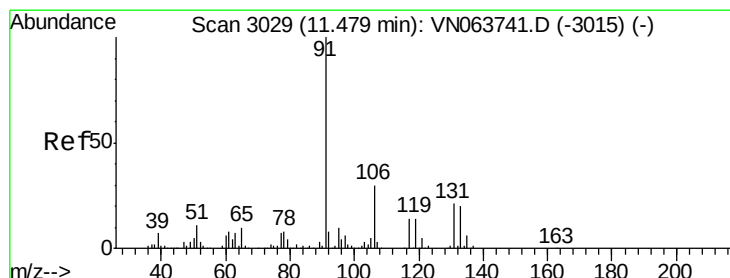
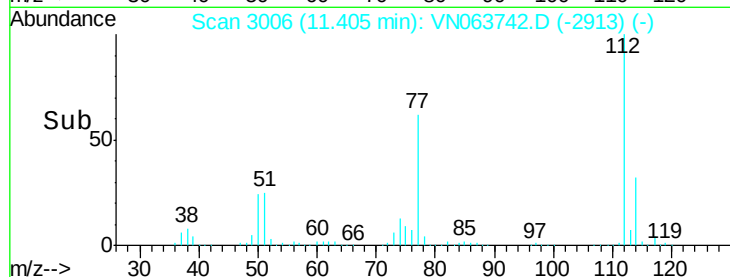
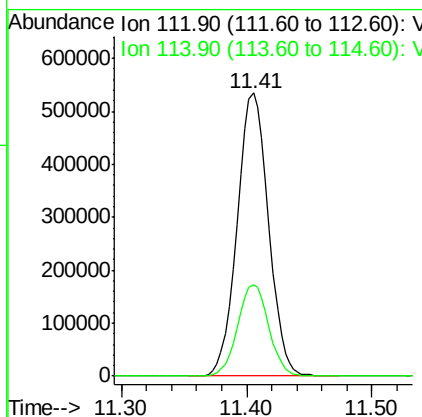
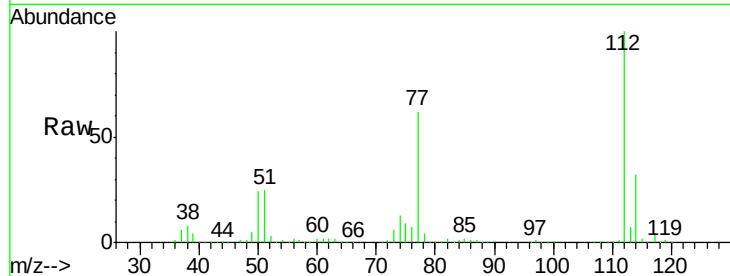
#65
Chlorobenzene
Concen: 99.237 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN063742.D
Acq: 30 Sep 2020 11:36

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion:112 Resp: 924123
Ion Ratio Lower Upper
112 100
114 32.3 26.1 39.1

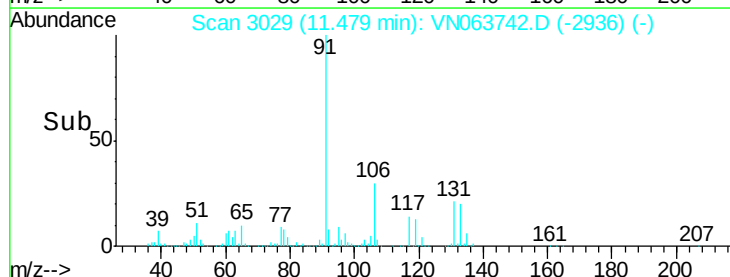
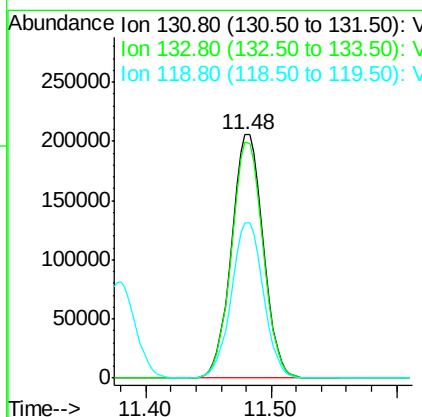
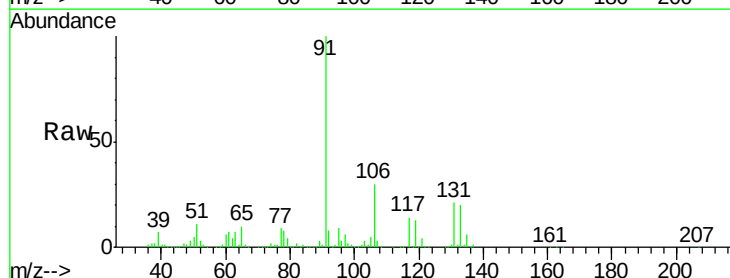
Manual Integrations
APPROVED

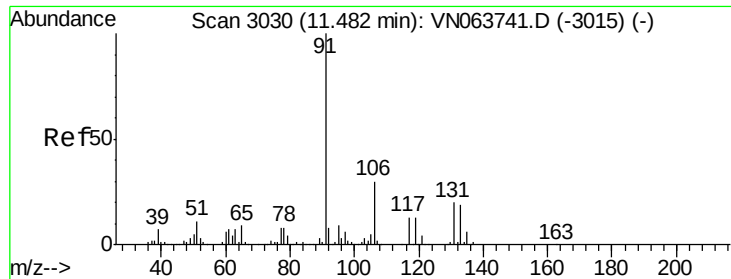
MMDadoda
10/1/2020 2:40:02 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 104.976 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN063742.D
Acq: 30 Sep 2020 11:36

Tgt Ion:131 Resp: 361376
Ion Ratio Lower Upper
131 100
133 96.5 47.3 141.8
119 64.4 32.6 97.7





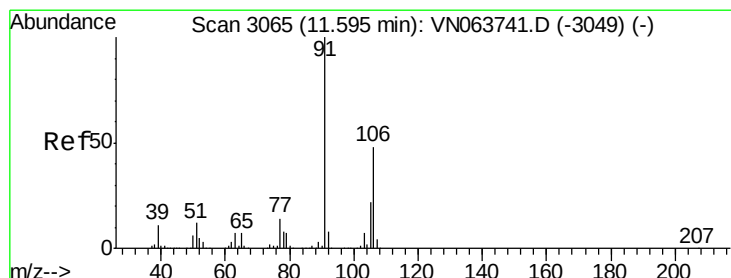
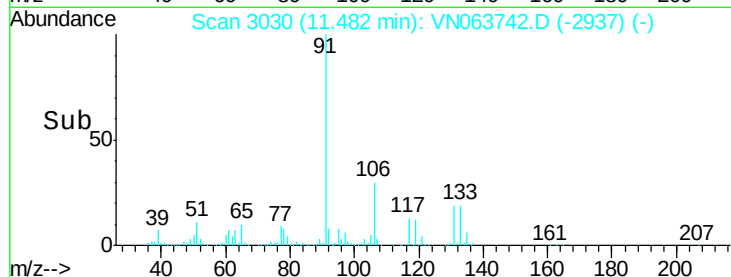
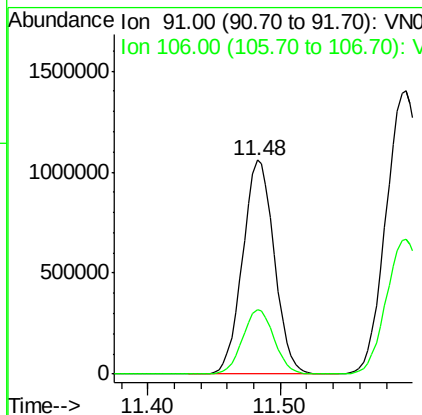
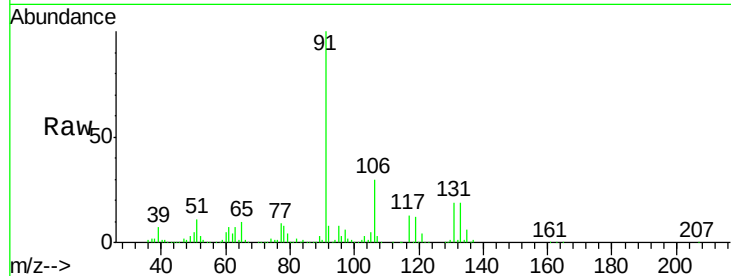
#67
Ethyl Benzene
Concen: 99.974 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN063742.D
Acq: 30 Sep 2020 11:36

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion: 91 Resp: 1753444
Ion Ratio Lower Upper
91 100
106 30.1 24.2 36.2

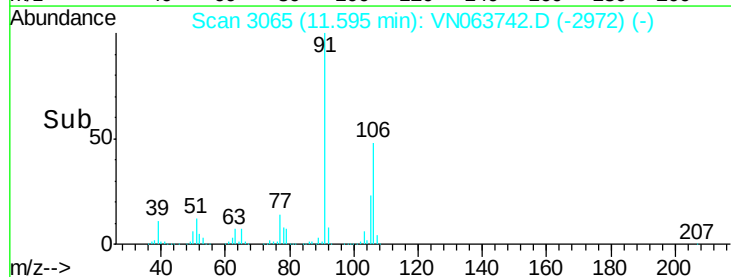
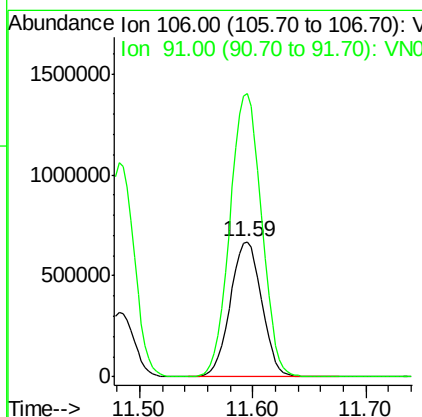
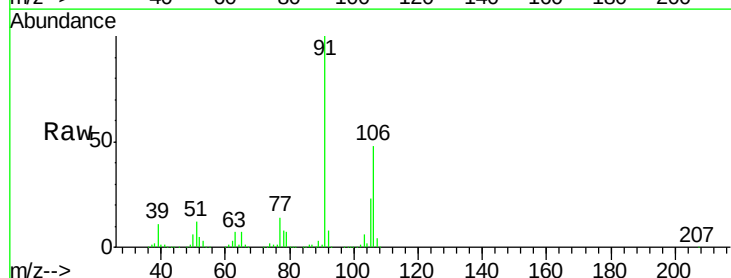
Manual Integrations
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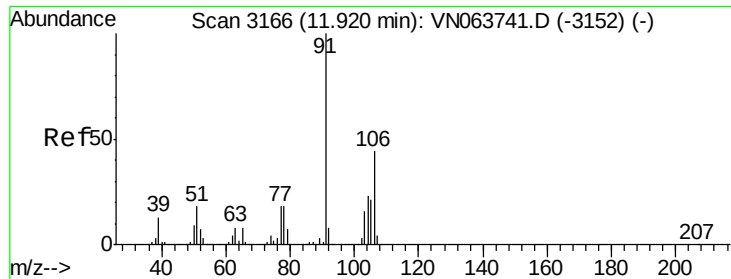
MMDadoda
10/1/2020 2:40:02 PM



#68
m/p-Xylenes
Concen: 204.138 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. 0.00 min
Lab File: VN063742.D
Acq: 30 Sep 2020 11:36

Tgt Ion: 106 Resp: 1294326
Ion Ratio Lower Upper
106 100
91 211.0 168.0 252.0





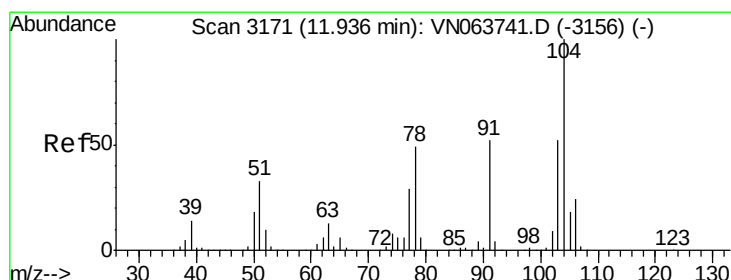
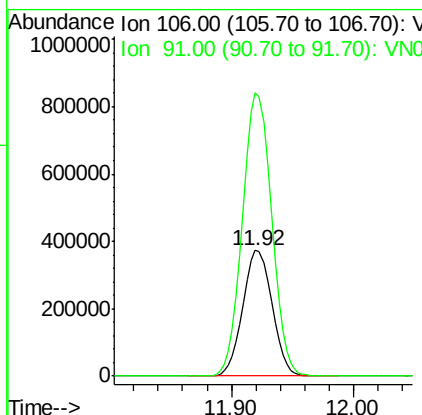
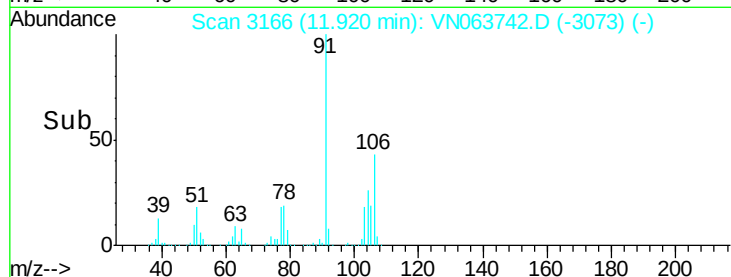
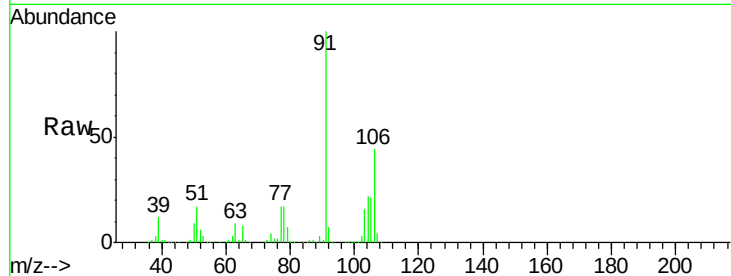
#69
o-Xylene
Concen: 102.574 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. 0.00 min
Lab File: VN063742.D
Acq: 30 Sep 2020 11:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:106 Resp: 617644
Ion Ratio Lower Upper
106 100
91 224.8 112.7 338.0

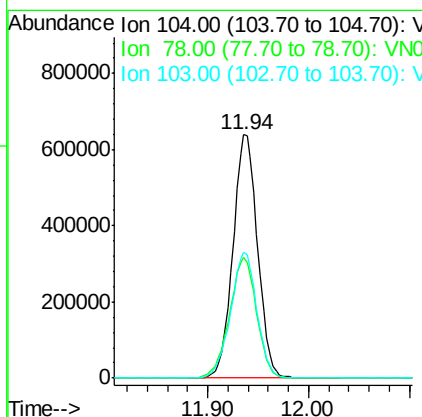
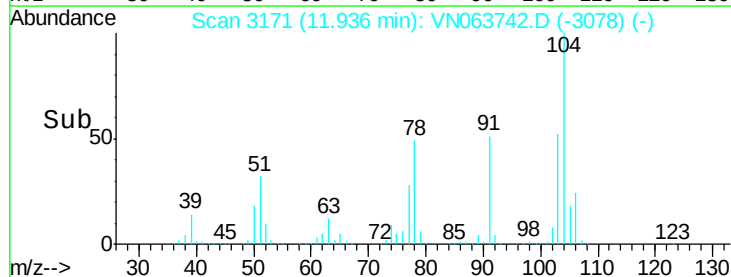
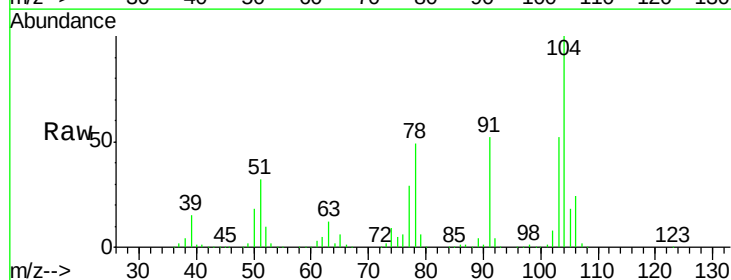
Manual Integrations
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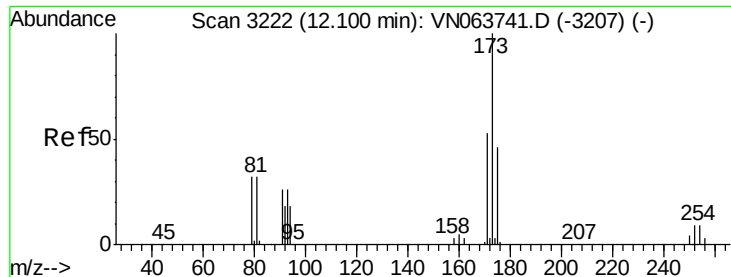
MMDadoda
10/1/2020 2:40:02 PM



#70
Styrene
Concen: 107.425 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. 0.00 min
Lab File: VN063742.D
Acq: 30 Sep 2020 11:36

Tgt Ion:104 Resp: 1085053
Ion Ratio Lower Upper
104 100
78 54.6 44.1 66.1
103 55.1 44.3 66.5





#71

Bromoform

Concen: 112.821 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN063742.D

Acq: 30 Sep 2020 11:36

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion:173 Resp: 290232

Ion Ratio Lower Upper

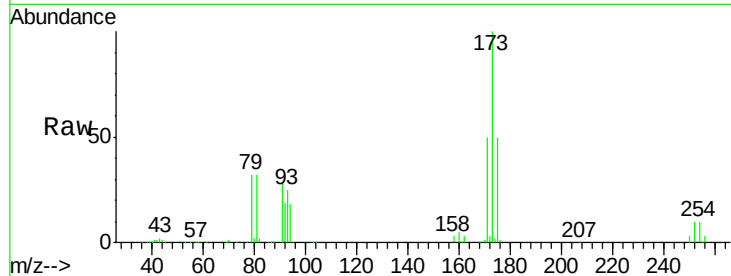
173 100

175 49.4 23.5 70.5

254 0.1 0.0 0.0#

Manual Integrations
APPROVED

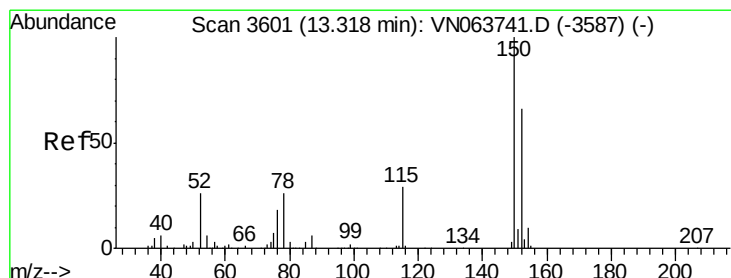
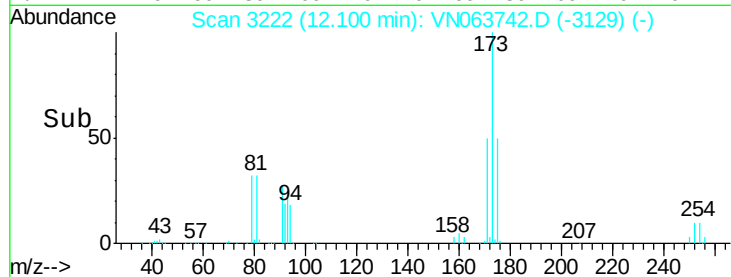
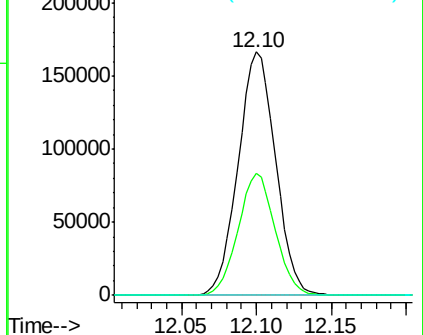
MMDadoda
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Abundance Ion 172.70 (172.40 to 173.40): V

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: VN063742.D

Acq: 30 Sep 2020 11:36

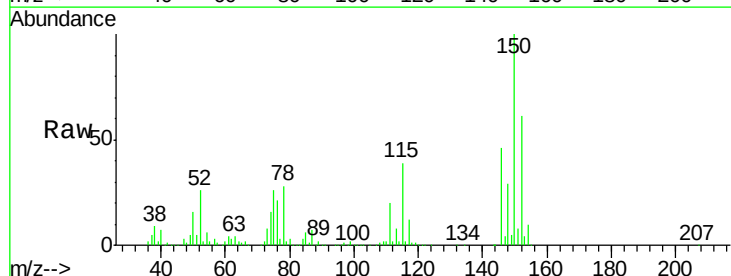
Tgt Ion:152 Resp: 229707

Ion Ratio Lower Upper

152 100

115 62.1 31.3 93.8

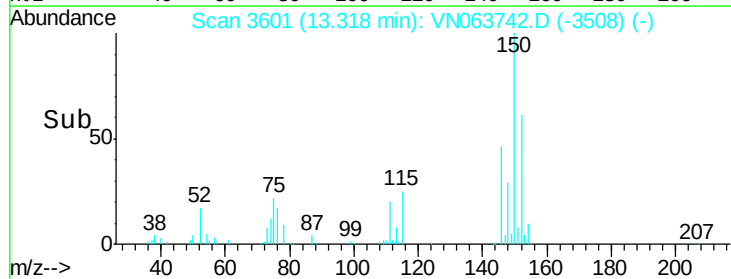
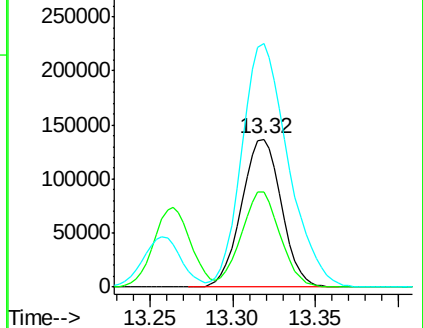
150 190.8 0.0 341.8

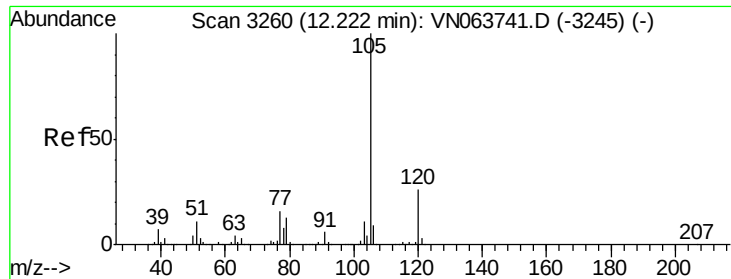


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 93.752 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN063742.D

Acq: 30 Sep 2020 11:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1697942

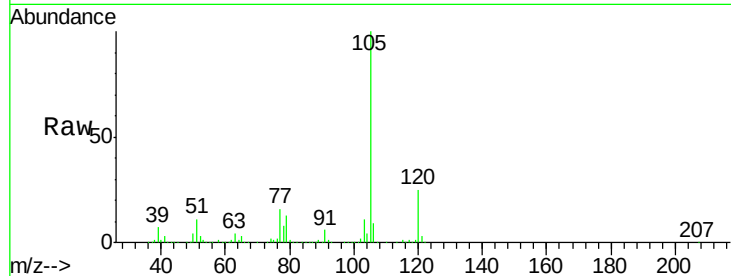
Ion Ratio Lower Upper

105 100

120 25.4 12.6 37.8

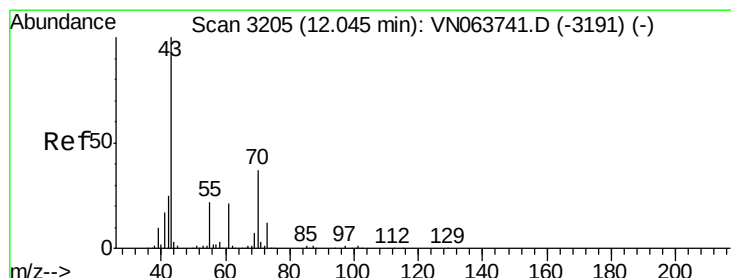
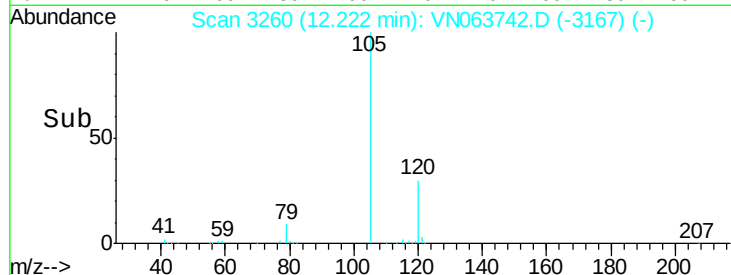
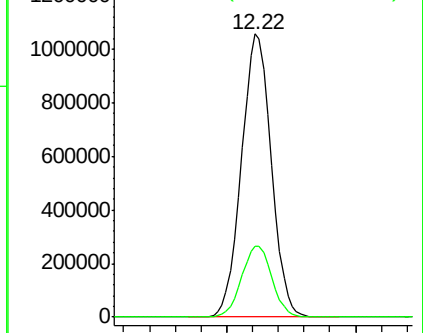
Manual Integrations
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10/1/2020 2:40:02 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 93.193 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN063742.D

Acq: 30 Sep 2020 11:36

Tgt Ion: 43 Resp: 789923

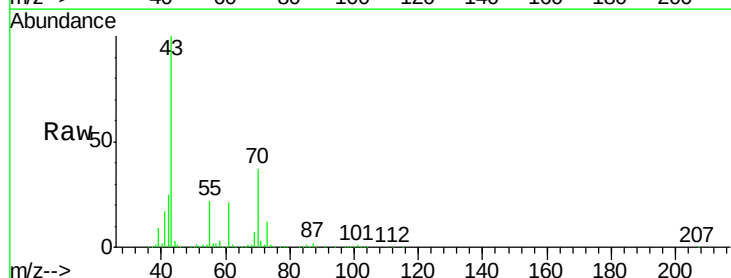
Ion Ratio Lower Upper

43 100

70 36.9 29.8 44.8

55 22.1 17.9 26.9

61 21.5 17.0 25.4

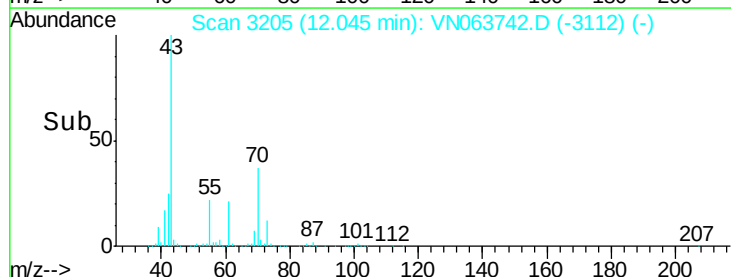
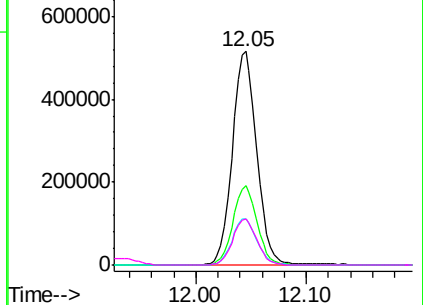


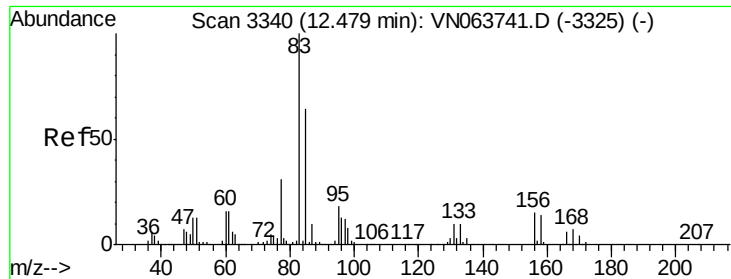
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 89.678 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN063742.D

Acq: 30 Sep 2020 11:36

Instrument :

MSVOA_N

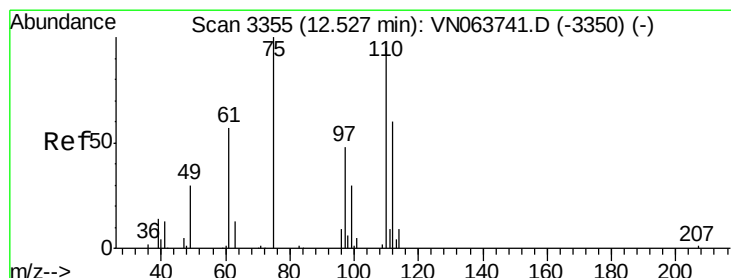
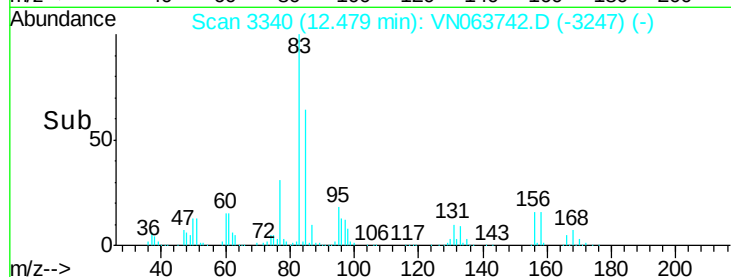
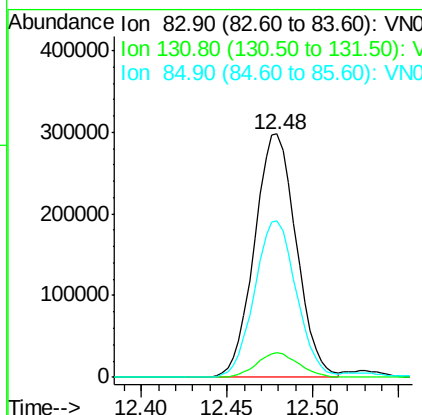
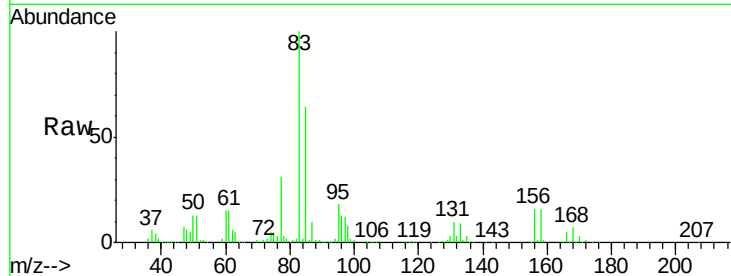
ClientSampled :

VSTDIC100

Tot Ion:	83	Resp:	502831
Ion Ratio	Lower	Upper	
83	100		
131	10.2	5.3	15.8
85	64.3	31.3	93.8

Manual Integrations
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10/1/2020 2:40:02 PM



#76

1,2,3-Trichloropropane

Concen: 91.260 ug/l m

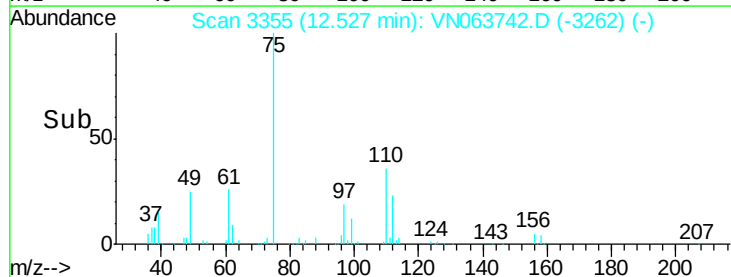
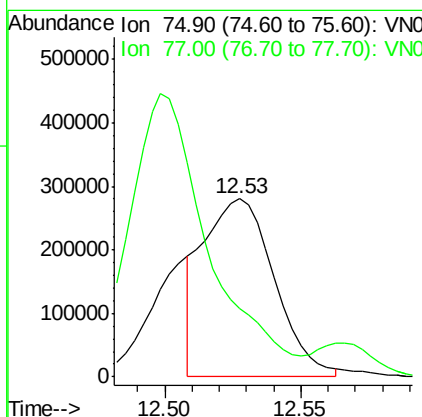
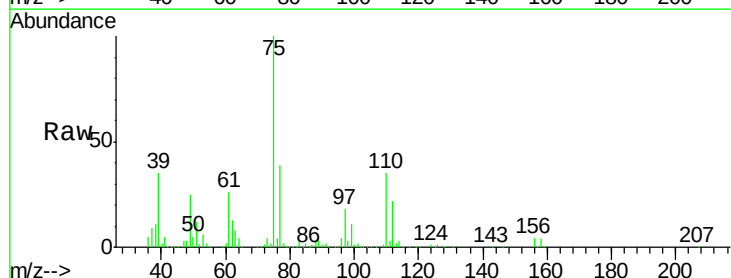
RT: 12.53 min Scan# 3355

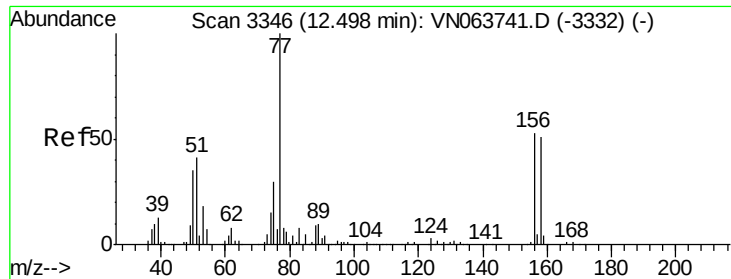
Delta R.T. 0.00 min

Lab File: VN063742.D

Acq: 30 Sep 2020 11:36

Tgt Ion:	75	Resp:	510188
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





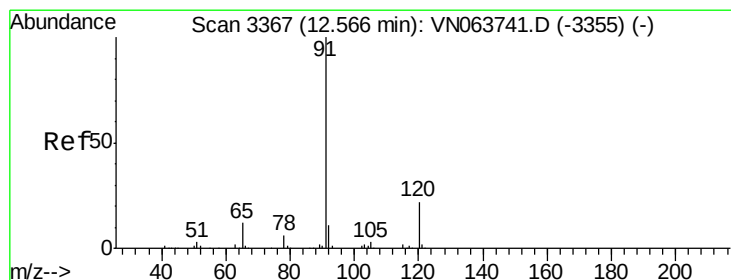
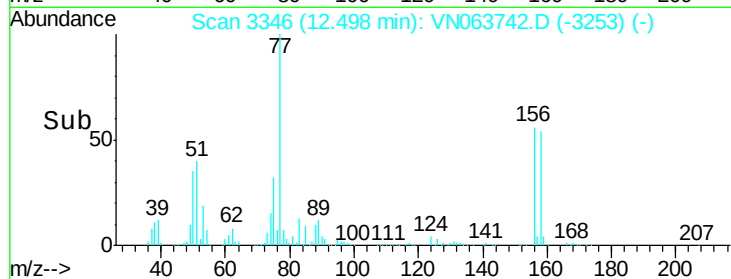
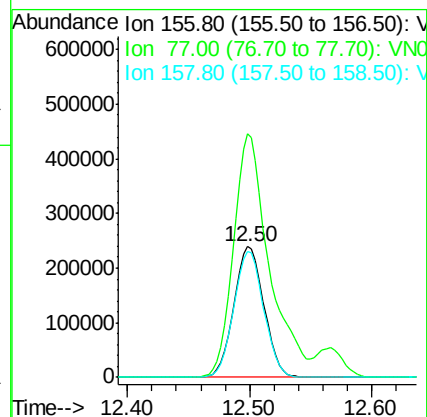
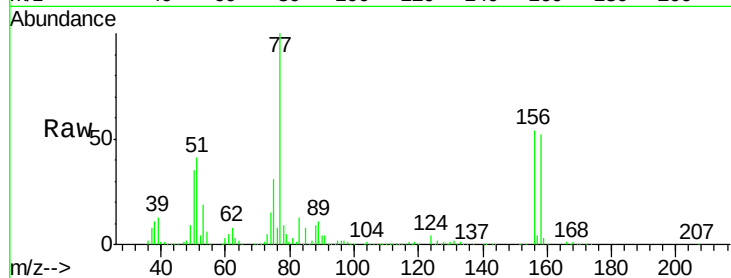
#77
Bromobenzene
Concen: 99.656 ug/l
RT: 12.50 min Scan# 3346
Delta R.T. 0.00 min
Lab File: VN063742.D
Acq: 30 Sep 2020 11:36

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
156	100		
77	220.9	110.9	332.7
158	96.2	47.7	143.1

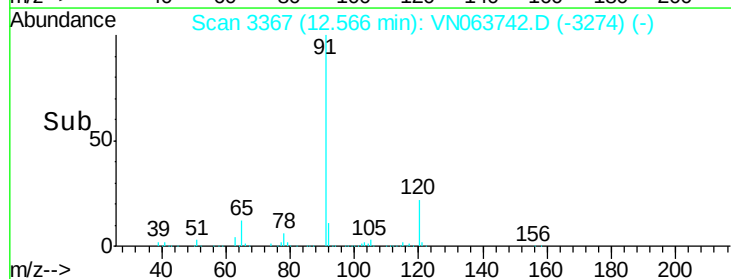
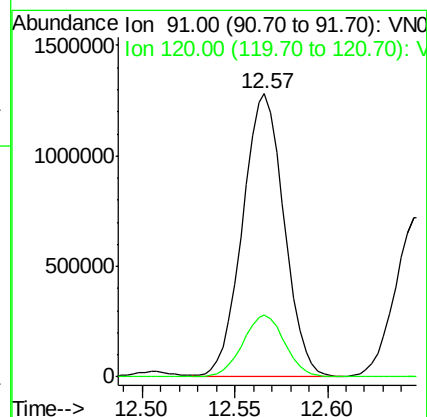
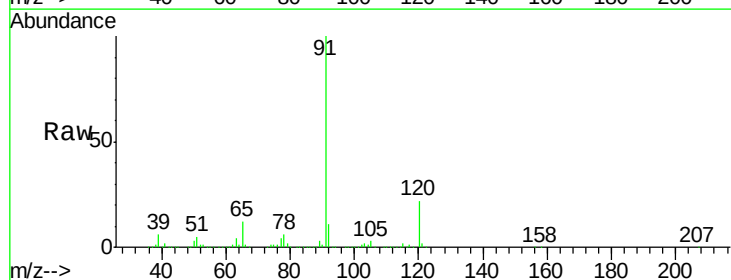
Manual Integrations
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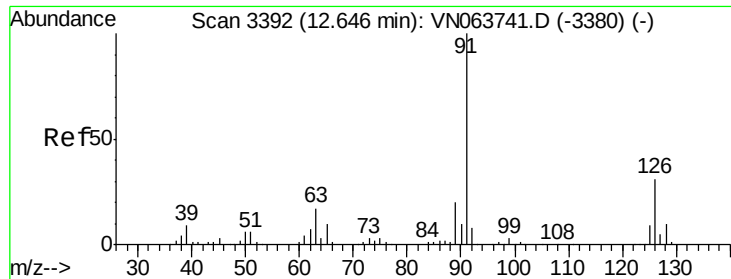
MMDadoda
10/1/2020 2:40:02 PM



#78
n-propylbenzene
Concen: 95.074 ug/l
RT: 12.57 min Scan# 3367
Delta R.T. 0.00 min
Lab File: VN063742.D
Acq: 30 Sep 2020 11:36

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.9	11.1	33.1





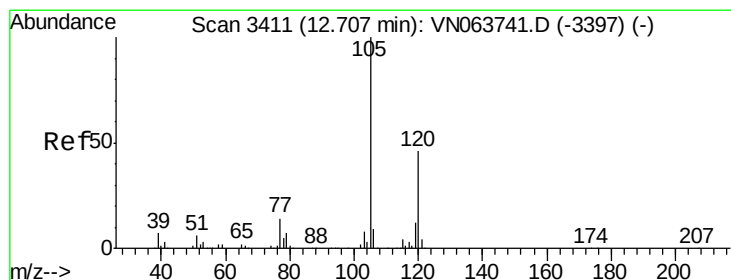
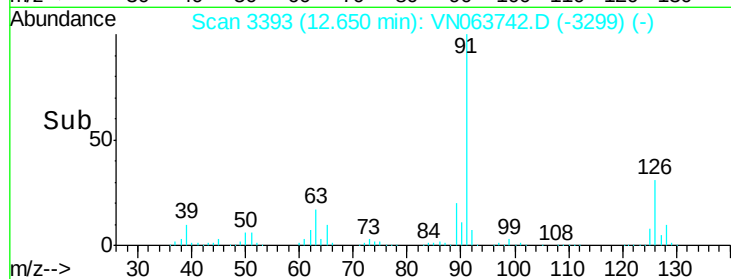
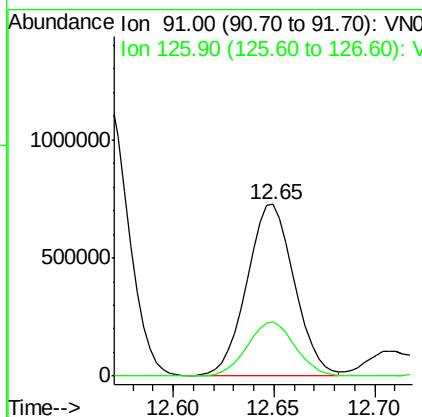
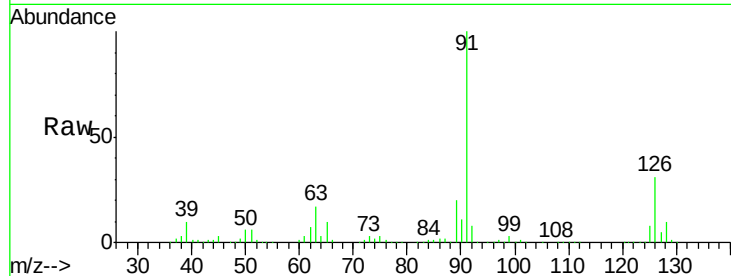
#79
 2-Chlorotoluene
 Concen: 94.759 ug/l
 RT: 12.65 min Scan# 3393
 Delta R.T. 0.00 min
 Lab File: VN063742.D
 Acq: 30 Sep 2020 11:36

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tot Ion: 91 Resp: 1198850
 Ion Ratio Lower Upper
 91 100
 126 31.8 15.9 47.7

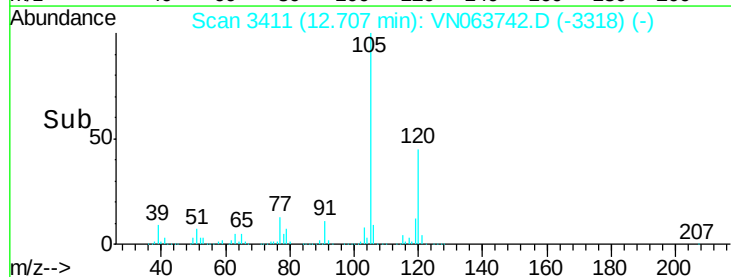
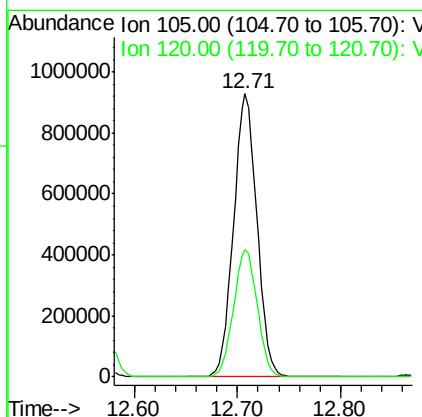
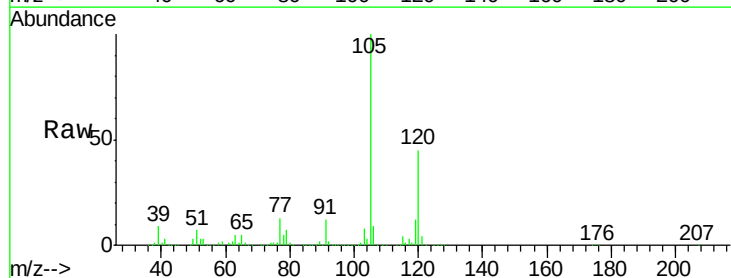
Manual Integrations
 APPROVED

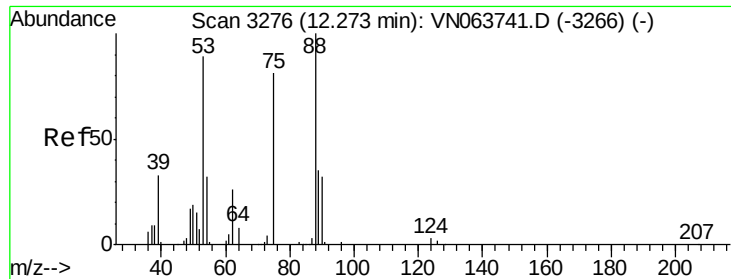
MMDadoda
 10/1/2020 2:40:02 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 97.081 ug/l
 RT: 12.71 min Scan# 3411
 Delta R.T. 0.00 min
 Lab File: VN063742.D
 Acq: 30 Sep 2020 11:36

Tgt Ion: 105 Resp: 1462415
 Ion Ratio Lower Upper
 105 100
 120 45.7 23.3 69.9





#81

trans-1,4-Dichloro-2-butene

Concen: 93.735 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. 0.00 min

Lab File: VN063742.D

Acq: 30 Sep 2020 11:36

Instrument :

MSVOA_N

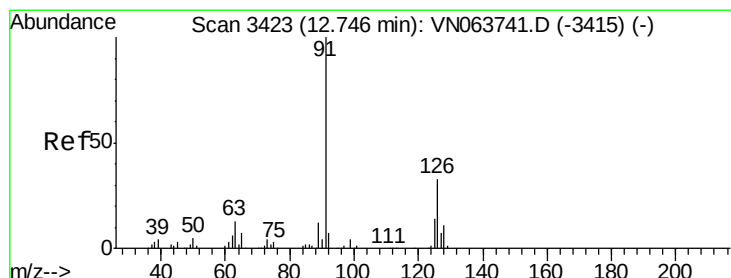
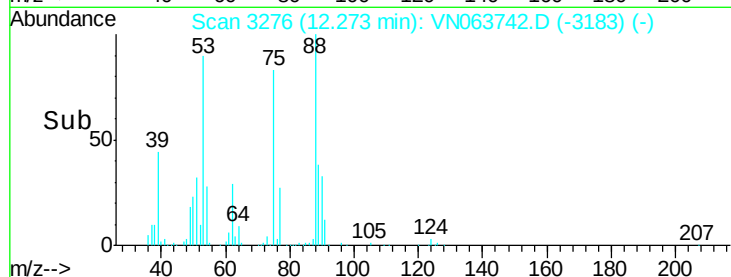
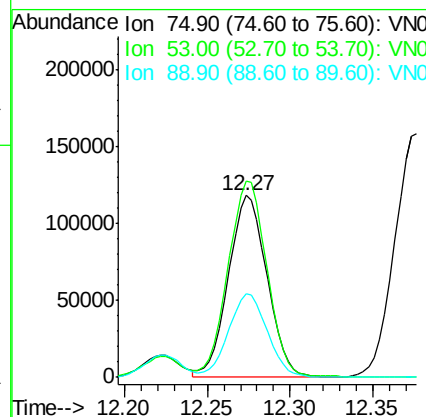
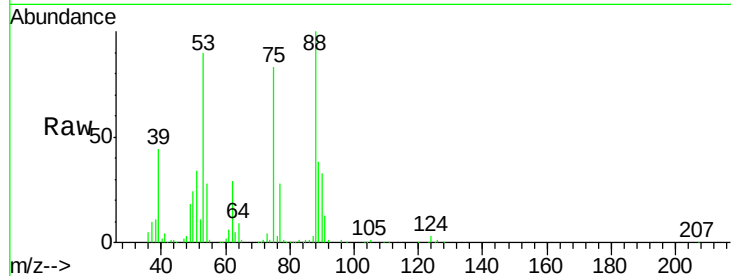
ClientSampleId :

VSTDIC100

Tot Ion	75	Resp	190076
Ion	Ratio	Lower	Upper
75	100		
53	109.8	88.2	132.2
89	46.8	36.0	54.0

Manual Integrations
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10/1/2020 2:40:02 PM



#82

4-Chlorotoluene

Concen: 95.646 ug/l

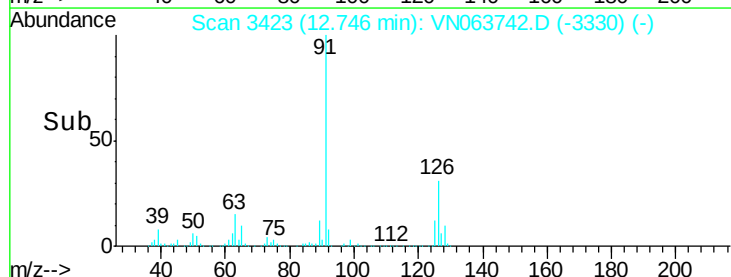
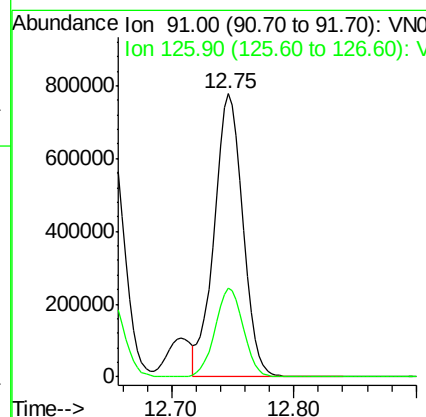
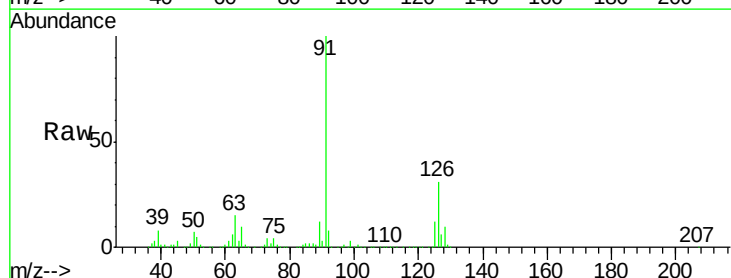
RT: 12.75 min Scan# 3423

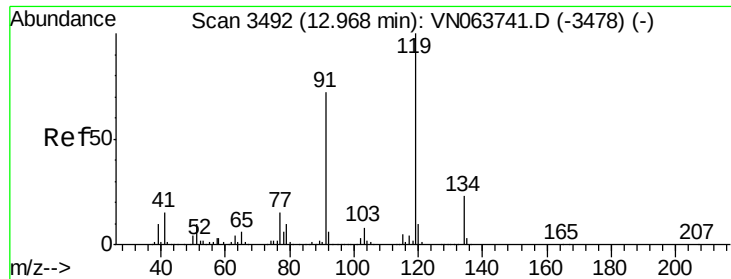
Delta R.T. 0.00 min

Lab File: VN063742.D

Acq: 30 Sep 2020 11:36

Tgt Ion	91	Resp	1279992
Ion	Ratio	Lower	Upper
91	100		
126	31.0	15.4	46.2





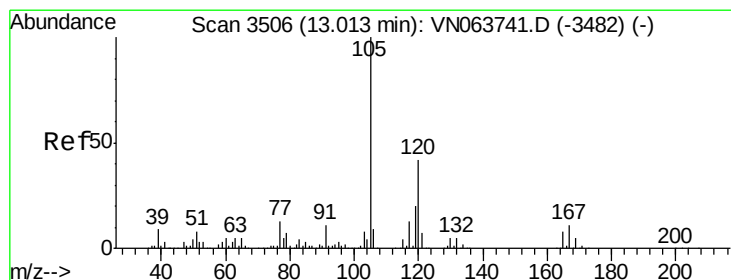
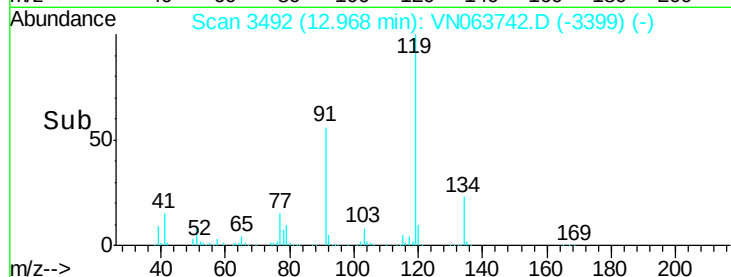
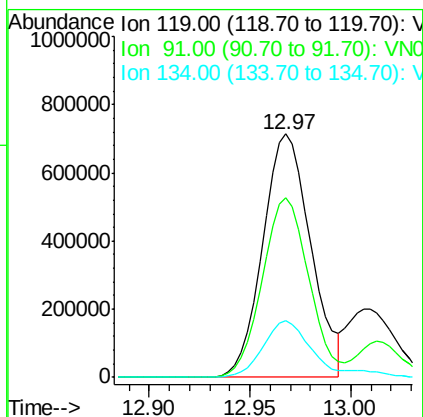
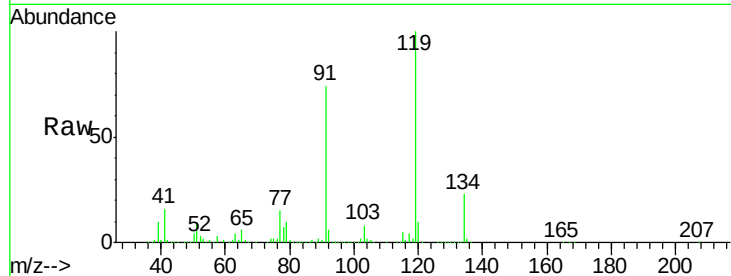
#83
 tert-Butylbenzene
 Concen: 95.039 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. 0.00 min
 Lab File: VN063742.D
 Acq: 30 Sep 2020 11:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion:119 Resp: 1183533
 Ion Ratio Lower Upper
 119 100
 91 71.7 35.5 106.5
 134 22.7 11.7 35.1

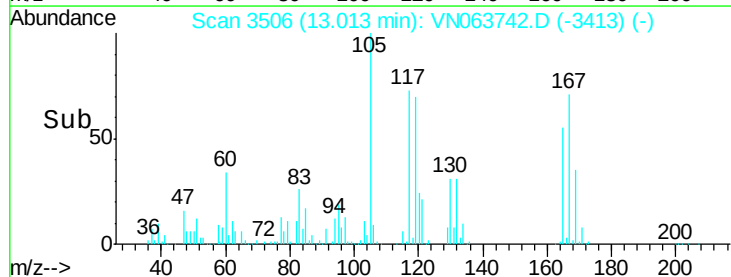
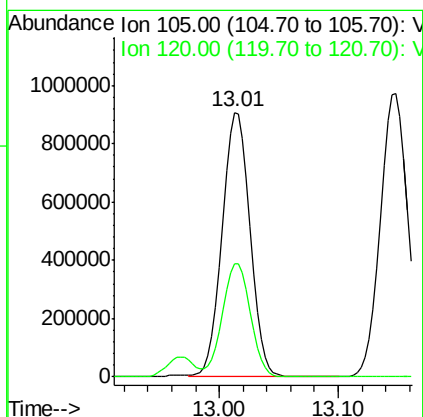
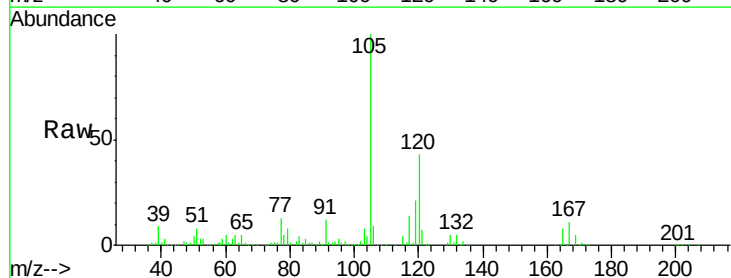
Manual Integrations
 APPROVED

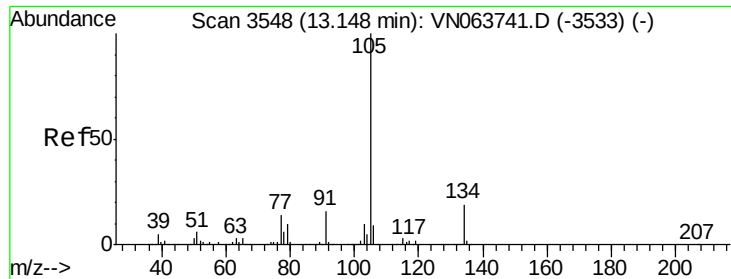
MMDadoda
 10/1/2020 2:40:02 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 96.515 ug/l
 RT: 13.01 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN063742.D
 Acq: 30 Sep 2020 11:36

Tgt Ion:105 Resp: 1471667
 Ion Ratio Lower Upper
 105 100
 120 43.3 20.9 62.7





#85

sec-Butylbenzene

Concen: 93.705 ug/l

RT: 13.15 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN063742.D

Acq: 30 Sep 2020 11:36

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion:105 Resp: 1558498

Ion Ratio Lower Upper

105 100

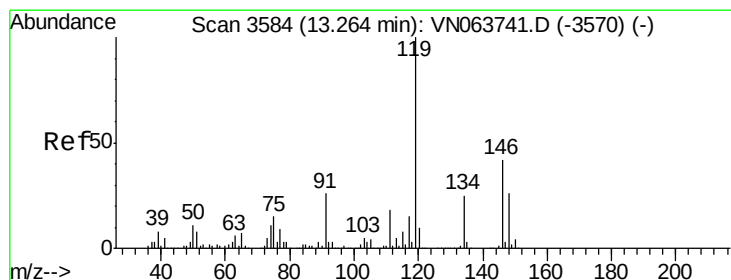
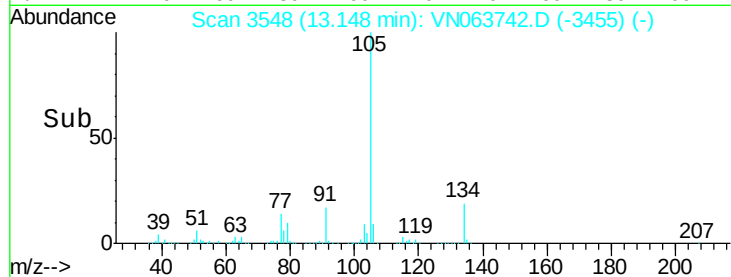
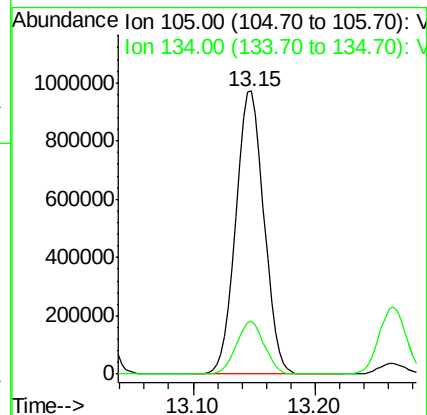
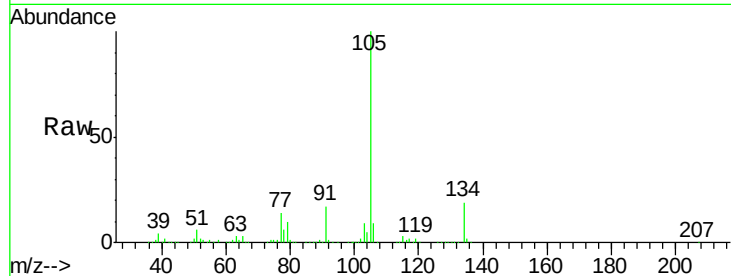
134 18.5 9.5 28.5

Manual Integrations

APPROVED

MMDadoda

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#86

p-Isopropyltoluene

Concen: 96.792 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN063742.D

Acq: 30 Sep 2020 11:36

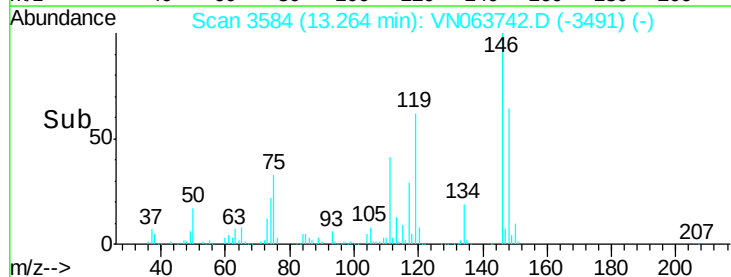
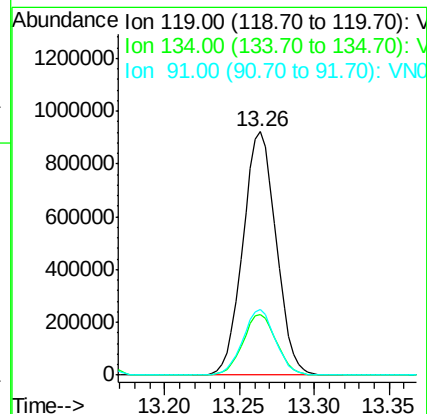
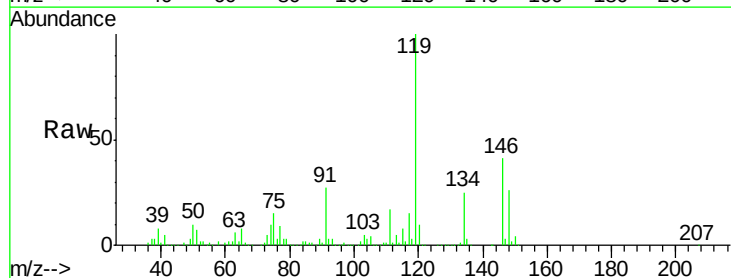
Tgt Ion:119 Resp: 1420909

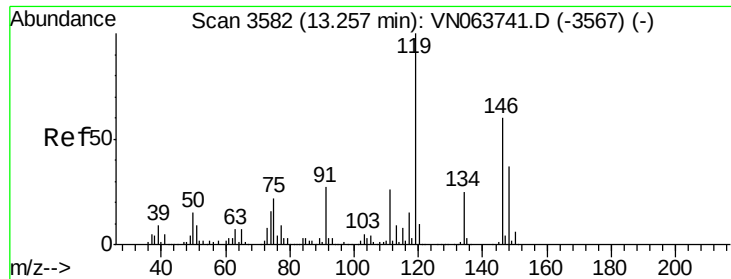
Ion Ratio Lower Upper

119 100

134 25.0 12.6 37.8

91 26.4 13.4 40.2





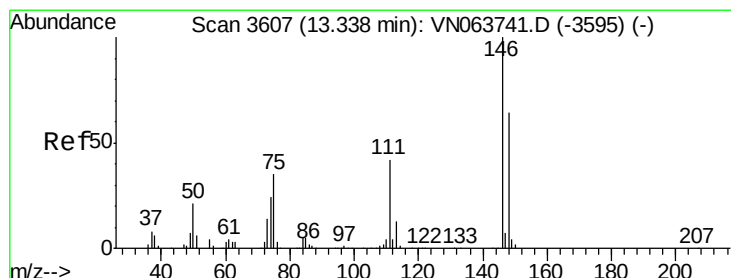
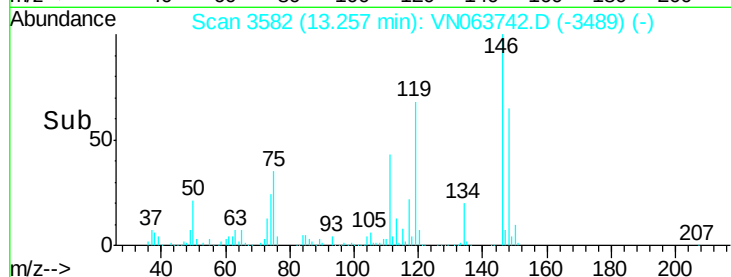
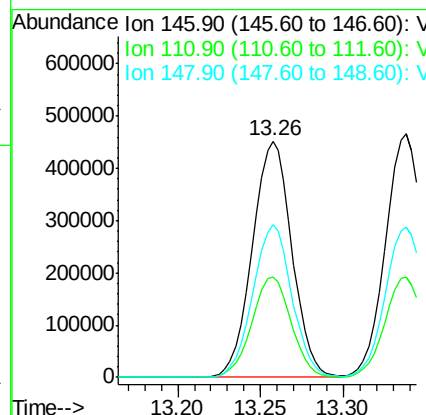
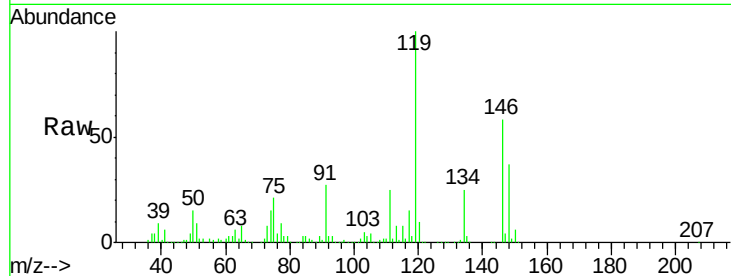
#87
 1,3-Dichlorobenzene
 Concen: 98.204 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN063742.D
 Acq: 30 Sep 2020 11:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.5	64.5
148	64.0	31.1	93.3

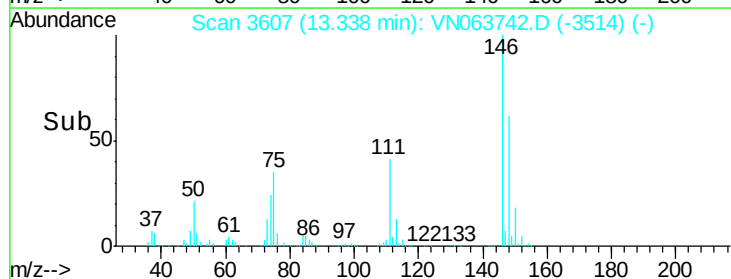
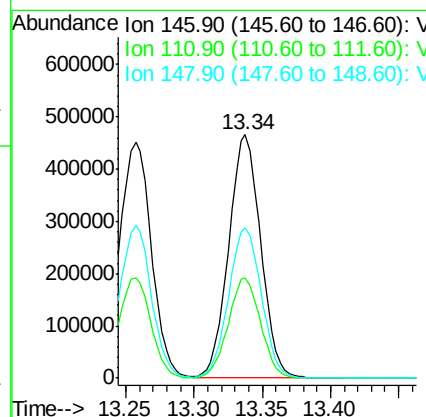
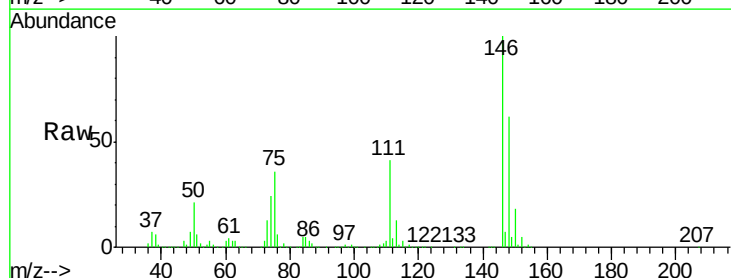
Manual Integrations
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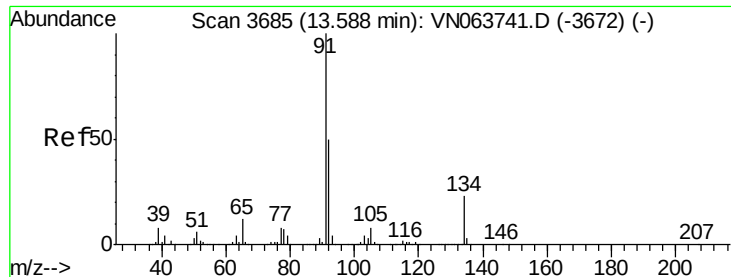
MMDadoda
 10/1/2020 2:40:02 PM



#88
 1,4-Dichlorobenzene
 Concen: 98.777 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN063742.D
 Acq: 30 Sep 2020 11:36

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.4	21.3	63.7
148	62.9	32.0	96.0





#89

n-Butylbenzene

Concen: 95.072 ug/l

RT: 13.59 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN063742.D

Acq: 30 Sep 2020 11:36

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 91 Resp: 1280778

Ion Ratio Lower Upper

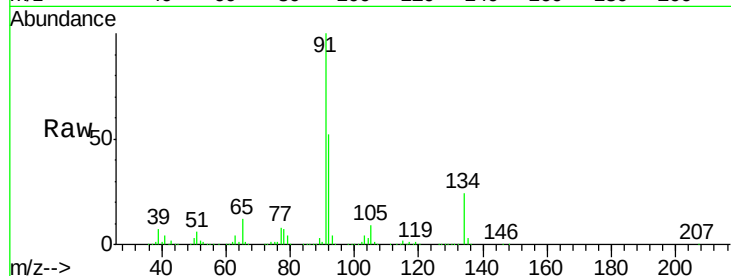
91 100

92 51.8 25.4 76.4

134 23.8 11.7 35.1

Manual Integrations
APPROVED

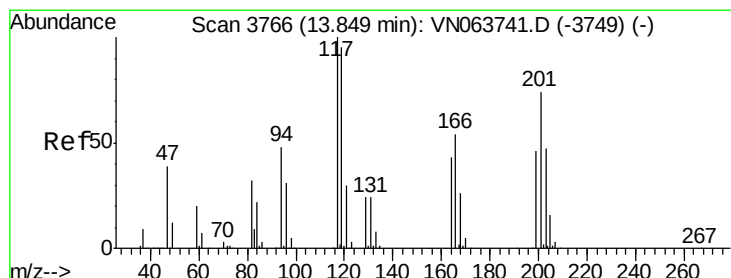
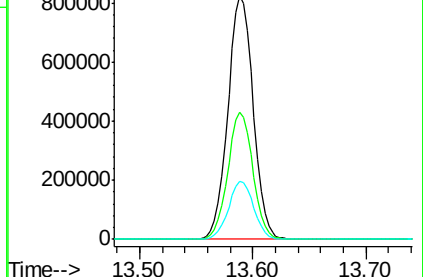
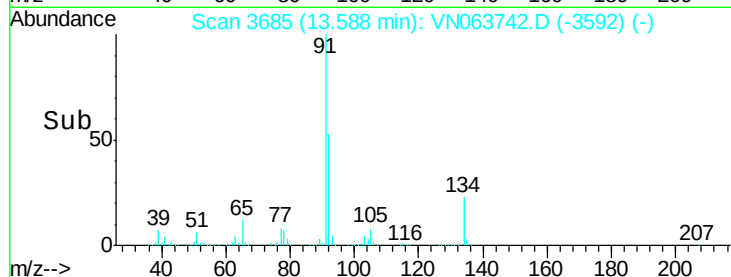
MMDadoda
10/1/2020 2:40:02 PM



Abundance Ion 91.00 (90.70 to 91.70): VN063742.D (-3672) (-)

Ion 92.00 (91.70 to 92.70): VN063742.D (-3672) (-)

Ion 134.00 (133.70 to 134.70): VN063742.D (-3672) (-)



#90

Hexachloroethane

Concen: 95.908 ug/l

RT: 13.85 min Scan# 3766

Delta R.T. 0.00 min

Lab File: VN063742.D

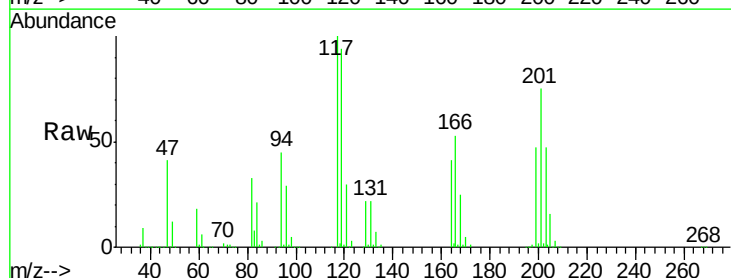
Acq: 30 Sep 2020 11:36

Tgt Ion: 117 Resp: 269182

Ion Ratio Lower Upper

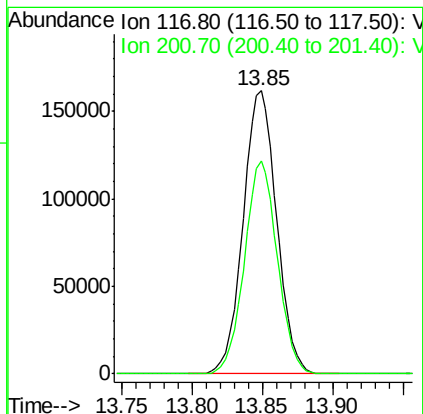
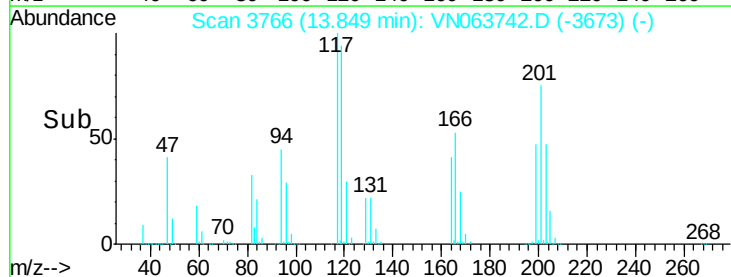
117 100

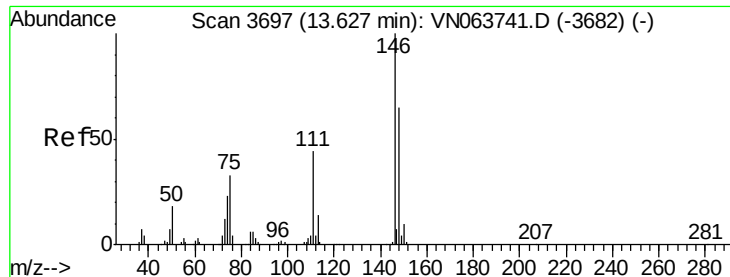
201 73.8 36.0 108.0



Abundance Ion 116.80 (116.50 to 117.50): VN063742.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN063742.D (-3749) (-)





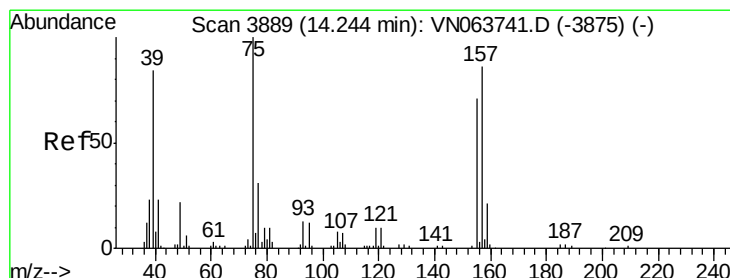
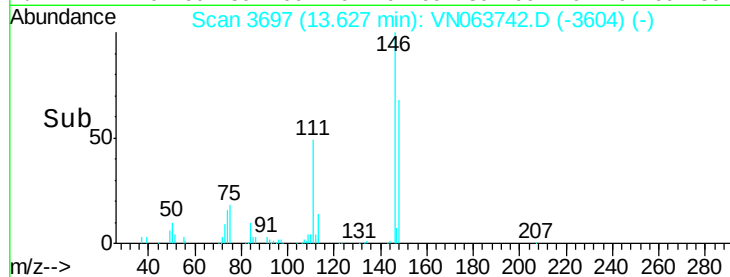
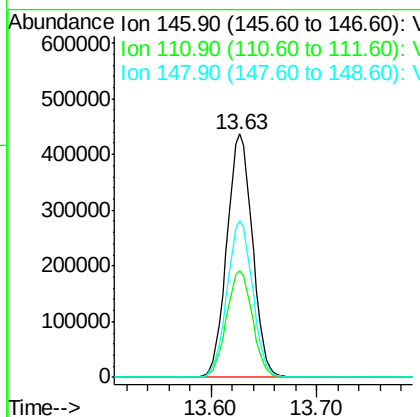
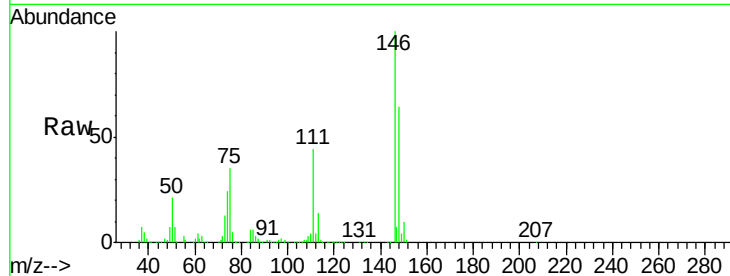
#91
 1,2-Dichlorobenzene
 Concen: 98.377 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN063742.D
 Acq: 30 Sep 2020 11:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.2	22.2	66.6
148	64.3	32.5	97.4

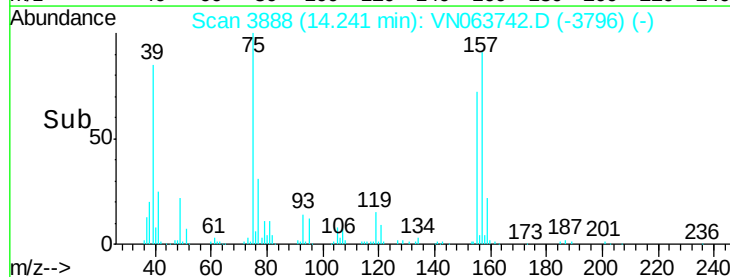
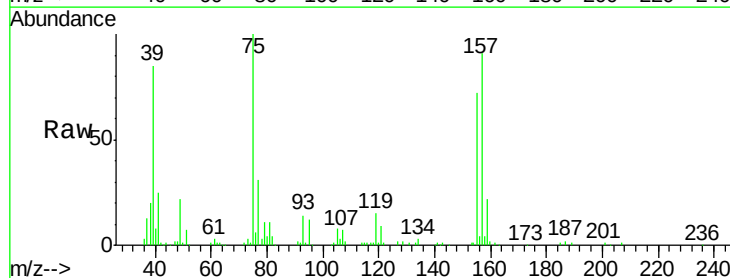
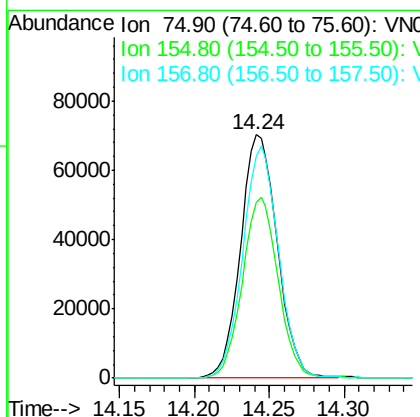
Manual Integrations
 APPROVED

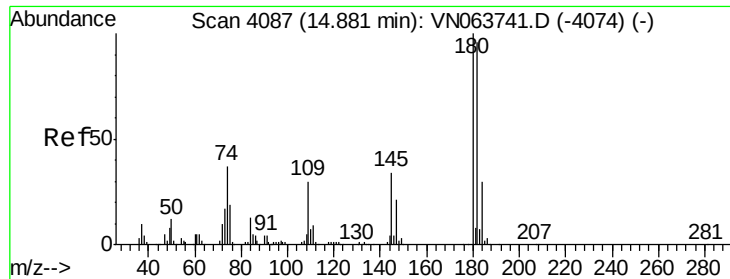
MMDadoda
 10/1/2020 2:40:02 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 90.930 ug/l
 RT: 14.24 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN063742.D
 Acq: 30 Sep 2020 11:36

Tgt Ion	Ratio	Lower	Upper
75	100		
155	71.9	34.8	104.5
157	92.6	43.7	131.1





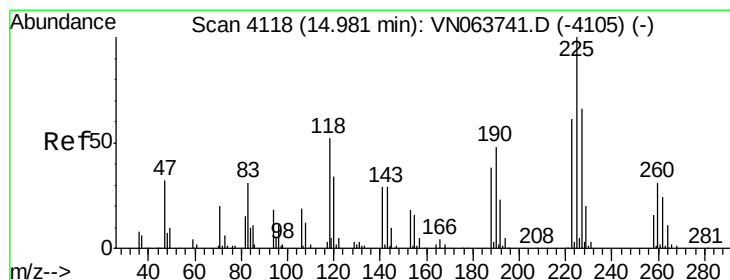
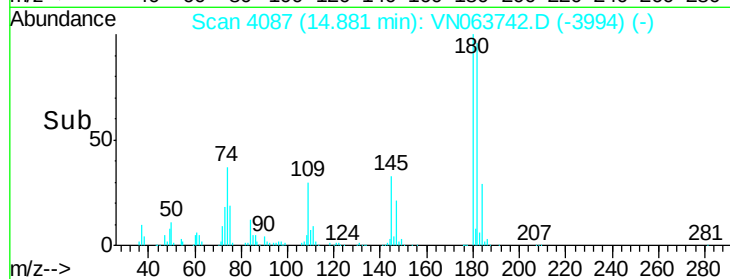
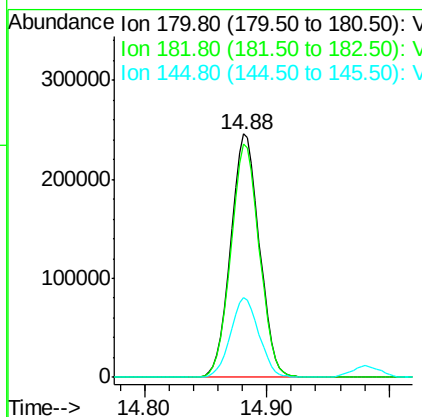
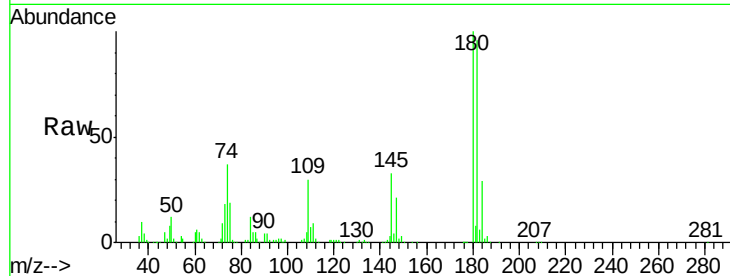
#93
 1,2,4-Trichlorobenzene
 Concen: 93.512 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN063742.D
 Acq: 30 Sep 2020 11:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	402507		
182	95.2	48.2	144.6	
145	32.5	17.1	51.2	

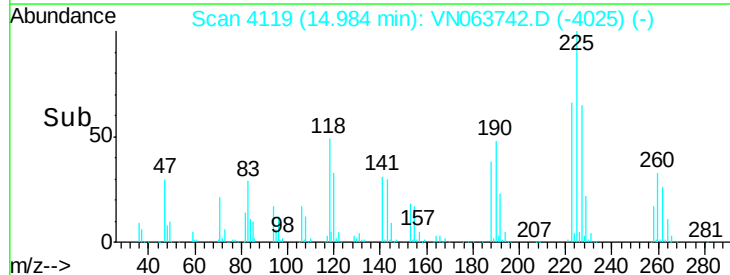
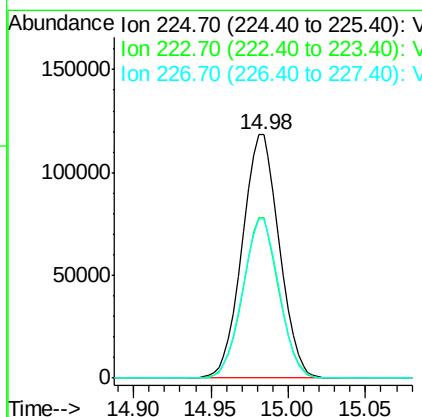
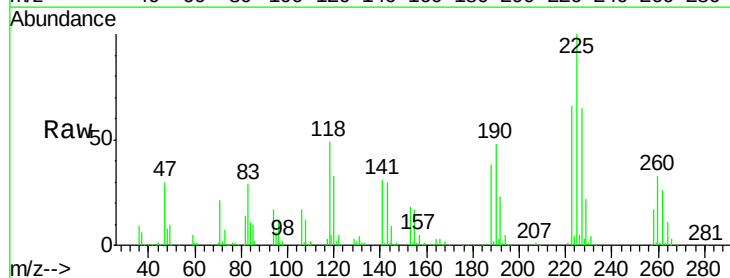
Manual Integrations
 APPROVED

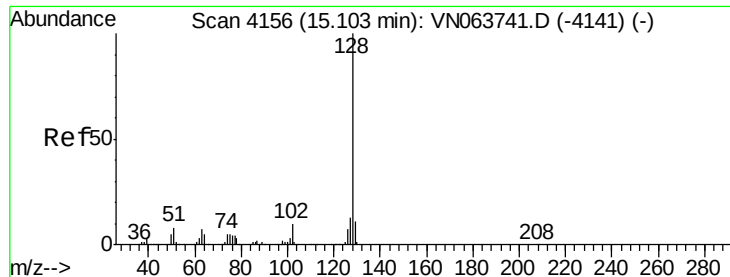
MMDadoda
 10/1/2020 2:40:02 PM



#94
 Hexachlorobutadiene
 Concen: 106.321 ug/l
 RT: 14.98 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN063742.D
 Acq: 30 Sep 2020 11:36

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	197161		
223	64.3	30.3	91.0	
227	64.4	31.9	95.5	





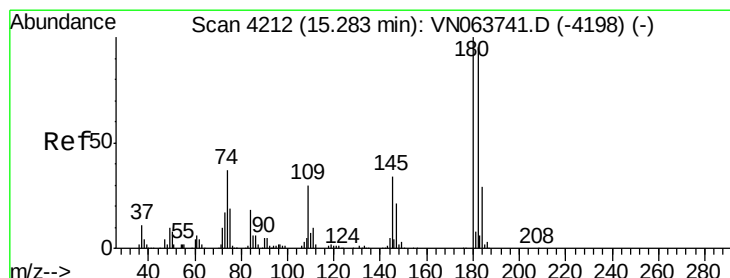
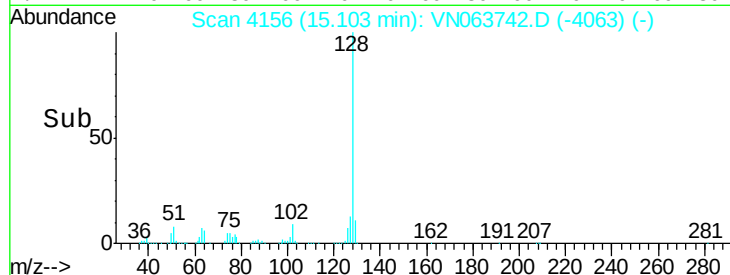
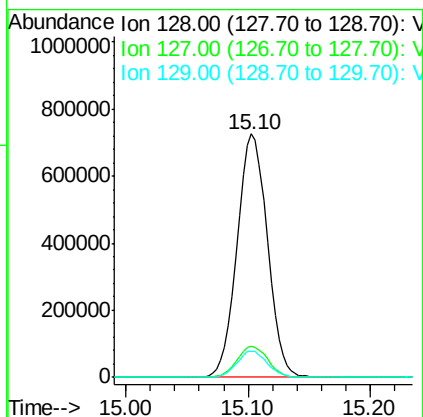
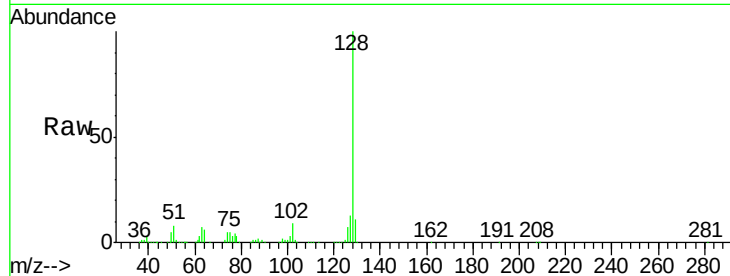
#95
Naphthalene
Concen: 88.456 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN063742.D
Acq: 30 Sep 2020 11:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	10.7	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
10/1/2020 2:40:02 PM



#96
1,2,3-Trichlorobenzene
Concen: 94.427 ug/l
RT: 15.28 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN063742.D
Acq: 30 Sep 2020 11:36

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.3	47.9	143.6
145	33.6	17.2	51.5

