

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100720\
 Data File : VN063960.D
 Acq On : 7 Oct 2020 22:54
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/8/2020 10:09:27 AM

Quant Time: Oct 08 06:25:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 01:46:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	284313	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	459021	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	433236	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	209807	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	220695	46.99	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	93.98%	
35) Dibromofluoromethane	7.55	113	151361	47.52	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.04%	
50) Toluene-d8	10.06	98	569805	47.19	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	94.38%	
62) 4-Bromofluorobenzene	12.38	95	215986	47.59	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.18%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	133848	44.616	ug/l	99
3) Chloromethane	2.04	50	158585	45.052	ug/l	98
4) Vinyl Chloride	2.16	62	155089	43.892	ug/l	98
5) Bromomethane	2.53	94	91866	41.334	ug/l	96
6) Chloroethane	2.67	64	103602	49.068	ug/l	99
7) Trichlorofluoromethane	2.99	101	268023	47.828	ug/l	99
8) Diethyl Ether	3.38	74	93491	49.330	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.72	101	138450	46.223	ug/l	97
10) Methyl Iodide	3.91	142	158843	45.674	ug/l	97
11) Tert butyl alcohol	4.73	59	135404	261.111	ug/l	99
12) 1,1-Dichloroethene	3.70	96	132614	46.320	ug/l	100
13) Acrolein	3.57	56	79537	249.905	ug/l	95
14) Allyl chloride	4.28	41	270315	50.822	ug/l	93
15) Acrylonitrile	4.93	53	396019	266.792	ug/l	99
16) Acetone	3.78	43	357451	247.216	ug/l	99
17) Carbon Disulfide	4.01	76	350500	45.361	ug/l	100
18) Methyl Acetate	4.28	43	206316	54.957	ug/l	98
19) Methyl tert-butyl Ether	4.99	73	527235	50.689	ug/l	97
20) Methylene Chloride	4.51	84	164679	49.725	ug/l	99
21) trans-1,2-Dichloroethene	4.99	96	148468	46.298	ug/l	94
22) Diisopropyl ether	5.90	45	593037	54.192	ug/l	98
23) Vinyl Acetate	5.85	43	2397235	264.452	ug/l	100
24) 1,1-Dichloroethane	5.80	63	308996	49.384	ug/l	99
25) 2-Butanone	6.78	43	564566	275.407	ug/l	97
26) 2,2-Dichloropropane	6.78	77	232812	40.630	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	177034	48.001	ug/l	98
28) Bromochloromethane	7.15	49	159453	51.561	ug/l	99
29) Tetrahydrofuran	7.17	42	376610	273.923	ug/l	97
30) Chloroform	7.33	83	329815	50.554	ug/l	93
31) Cyclohexane	7.61	56	248724	45.612	ug/l	98
32) 1,1,1-Trichloroethane	7.53	97	296218	50.338	ug/l	98
36) 1,1-Dichloropropene	7.75	75	228875	49.217	ug/l	100
37) Ethyl Acetate	6.88	43	236864	51.267	ug/l	97
38) Carbon Tetrachloride	7.74	117	256226	49.136	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	218218	47.055	ug/l	98
40) Benzene	8.00	78	663986	49.990	ug/l	100
41) Methacrylonitrile	7.13	41	106236	51.737	ug/l	93
42) 1,2-Dichloroethane	8.09	62	282524	49.829	ug/l	99
43) Isopropyl Acetate	8.13	43	408658	53.624	ug/l #	91
44) Trichloroethene	8.80	130	167089	48.011	ug/l	99
45) 1,2-Dichloropropane	9.08	63	189017	52.692	ug/l	98
46) Dibromomethane	9.18	93	123596	49.945	ug/l	98
47) Bromodichloromethane	9.37	83	264376	51.838	ug/l	99
48) Methyl methacrylate	9.17	41	201156	53.426	ug/l	95
49) 1,4-Dioxane	9.17	88	53812	1005.627	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	1255282	280.685	ug/l	100
52) Toluene	10.13	92	421592	51.315	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	272249	49.799	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	289630	50.657	ug/l	97
55) 1,1,2-Trichloroethane	10.53	97	171514	52.056	ug/l	98
56) Ethyl methacrylate	10.40	69	256735	54.973	ug/l	97
57) 1,3-Dichloropropane	10.68	76	291385	52.274	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.66	63	674337	269.935	ug/l	99
59) 2-Hexanone	10.72	43	917002	276.019	ug/l	100
60) Dibromochloromethane	10.87	129	202451	52.762	ug/l	99
61) 1,2-Dibromoethane	10.98	107	178398	52.932	ug/l	99
64) Tetrachloroethene	10.60	164	154653	46.140	ug/l	97
65) Chlorobenzene	11.41	112	448383	50.454	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	177435	52.079	ug/l	100
67) Ethyl Benzene	11.49	91	827153	51.150	ug/l	100
68) m/p-Xylenes	11.59	106	614229	101.914	ug/l	99
69) o-Xylene	11.92	106	293737	52.144	ug/l	98
70) Styrene	11.94	104	511596	53.502	ug/l	98
71) Bromoform	12.10	173	137655	52.828	ug/l #	99
73) Isopropylbenzene	12.23	105	784940	51.293	ug/l	99
74) N-amyl acetate	12.04	43	364095	51.137	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	246478	52.671	ug/l	98
76) 1,2,3-Trichloropropane	12.53	75	230950m	49.935	ug/l	
77) Bromobenzene	12.50	156	200284	53.338	ug/l	97
78) n-propylbenzene	12.57	91	905783	50.859	ug/l	100
79) 2-Chlorotoluene	12.65	91	562222	51.329	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	658964	51.327	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.28	75	78493	48.881	ug/l	98
82) 4-Chlorotoluene	12.75	91	583579	51.323	ug/l	99
83) tert-Butylbenzene	12.97	119	534807	50.926	ug/l	99
84) 1,2,4-Trimethylbenzene	13.02	105	667016	52.037	ug/l	98
85) sec-Butylbenzene	13.15	105	699892	50.741	ug/l	99
86) p-Isopropyltoluene	13.26	119	625030	51.222	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	342970	50.486	ug/l	98
88) 1,4-Dichlorobenzene	13.34	146	349141	49.361	ug/l	99
89) n-Butylbenzene	13.59	91	523163	46.452	ug/l	99
90) Hexachloroethane	13.85	117	121038	51.189	ug/l	96
91) 1,2-Dichlorobenzene	13.63	146	344548	51.206	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	53749	48.977	ug/l	95

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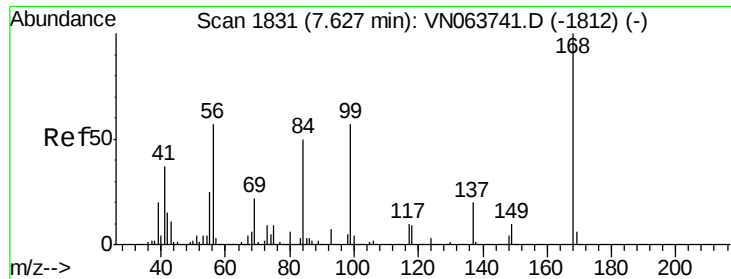
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	160316	44.032	ug/l	97
94) Hexachlorobutadiene	14.98	225	91161	49.969	ug/l	96
95) Naphthalene	15.11	128	481876	42.852	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	157628	44.594	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063960.D

Acq: 7 Oct 2020 22:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 284313

Ion Ratio Lower Upper

168 100

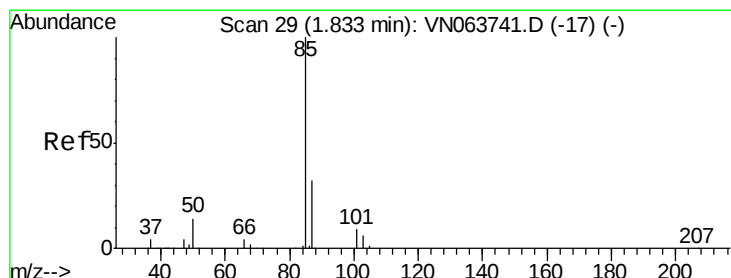
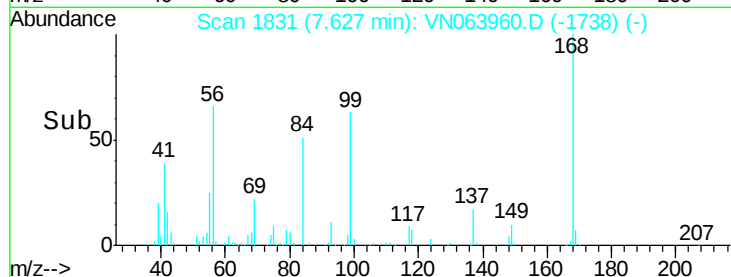
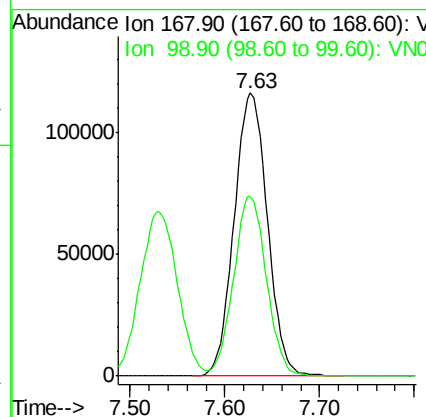
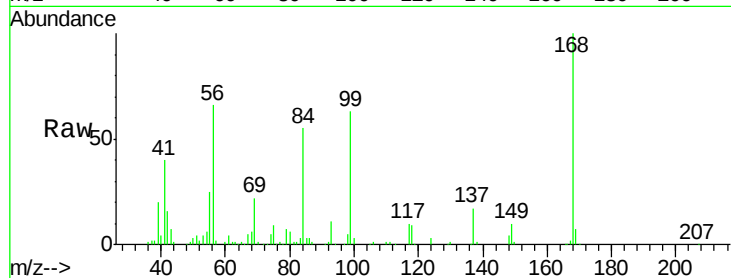
99 63.1 51.8 77.6

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#2

Dichlorodifluoromethane

Concen: 44.616 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN063960.D

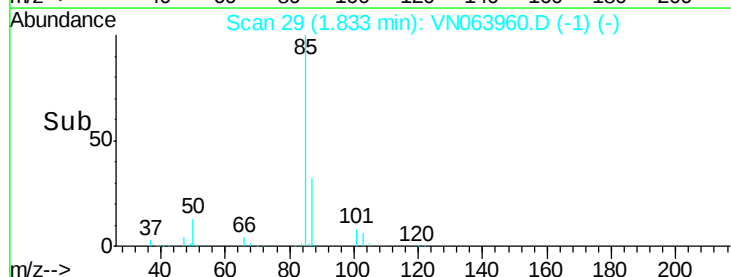
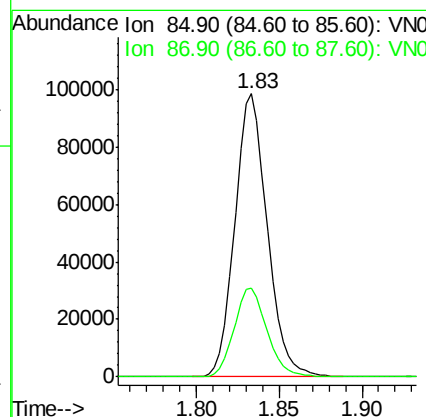
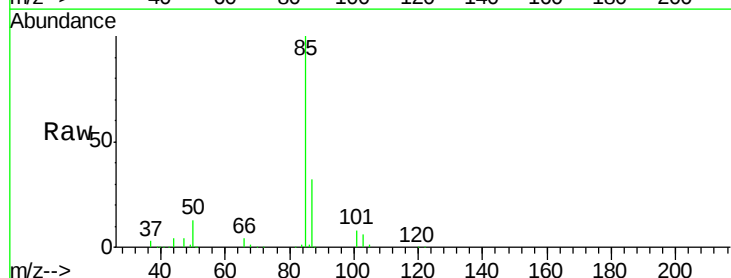
Acq: 7 Oct 2020 22:54

Tgt Ion: 85 Resp: 133848

Ion Ratio Lower Upper

85 100

87 31.6 16.0 48.0





#3

Chloromethane

Concen: 45.052 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN063960.D

Acq: 7 Oct 2020 22:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 158585

Ion Ratio Lower Upper

50 100

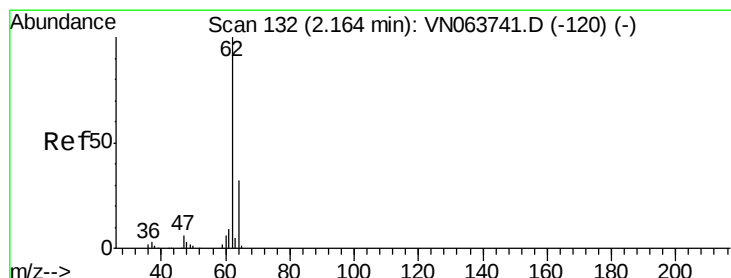
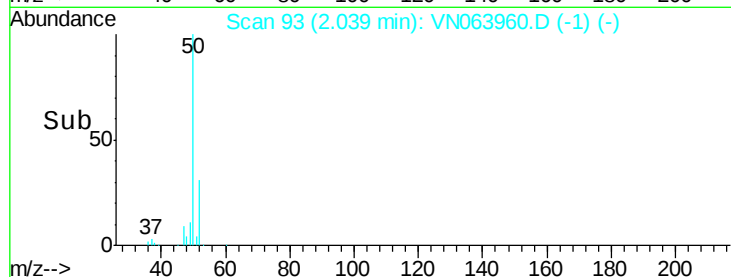
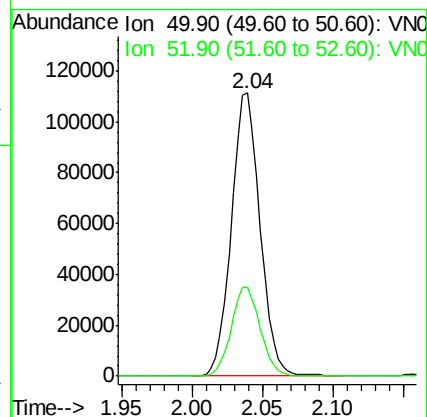
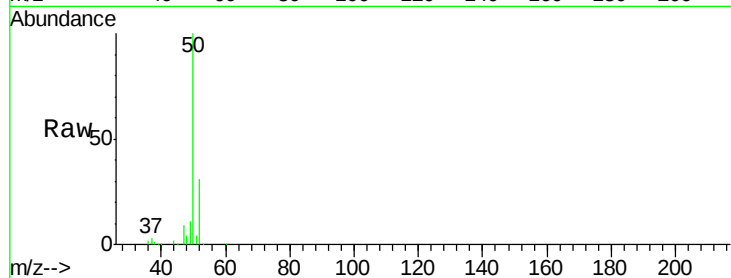
52 31.3 25.8 38.8

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#4

Vinyl Chloride

Concen: 43.892 ug/l

RT: 2.16 min Scan# 132

Delta R.T. 0.00 min

Lab File: VN063960.D

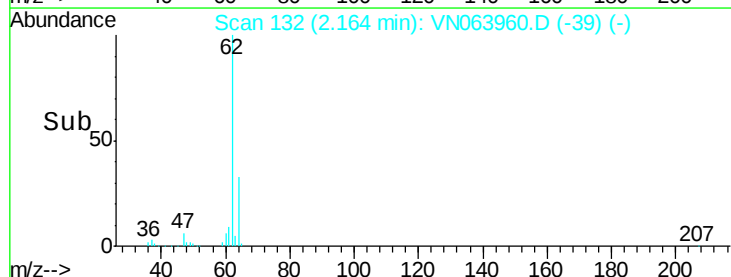
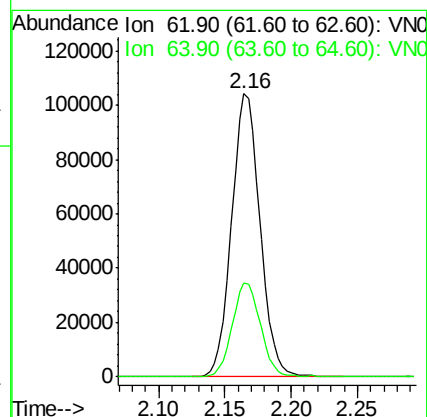
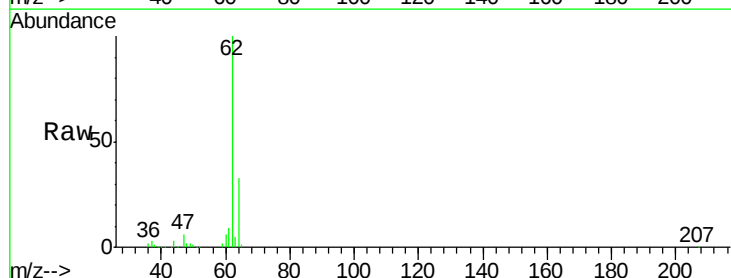
Acq: 7 Oct 2020 22:54

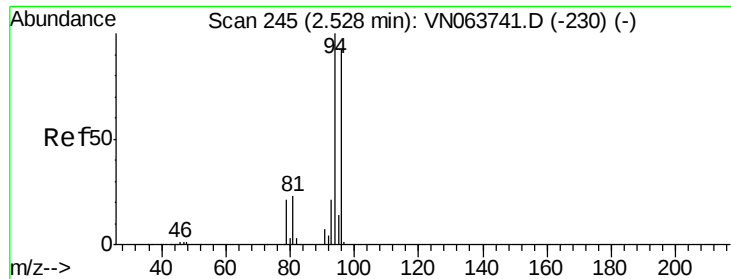
Tgt Ion: 62 Resp: 155089

Ion Ratio Lower Upper

62 100

64 33.2 25.6 38.4





#5

Bromomethane

Concen: 41.334 ug/l

RT: 2.53 min Scan# 246

Delta R.T. 0.00 min

Lab File: VN063960.D

Acq: 7 Oct 2020 22:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 91866

Ion Ratio Lower Upper

94 100

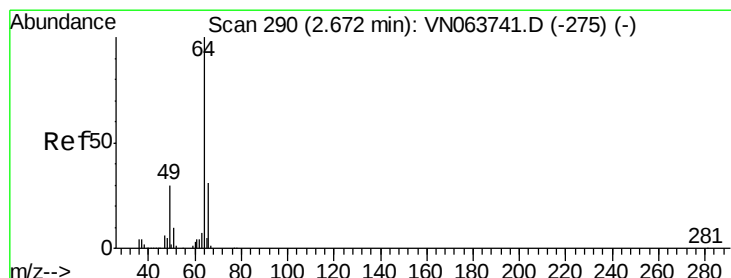
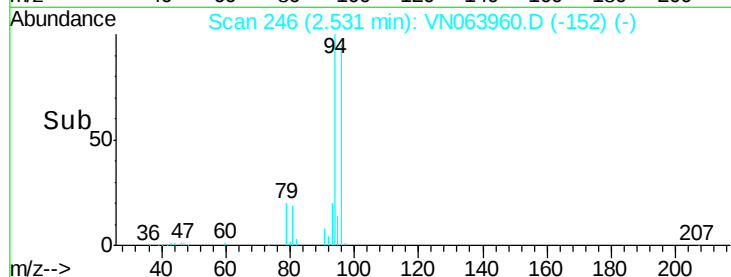
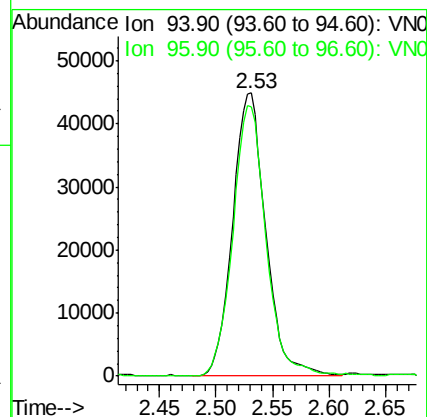
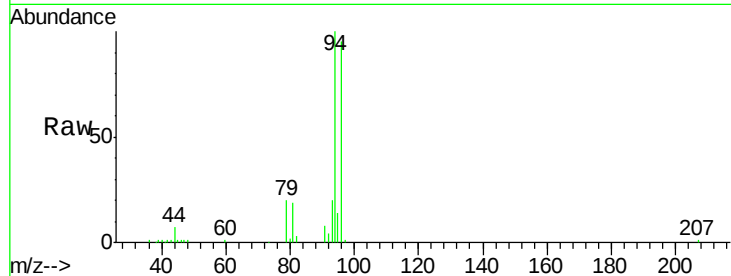
96 95.3 73.3 109.9

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#6

Chloroethane

Concen: 49.068 ug/l

RT: 2.67 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN063960.D

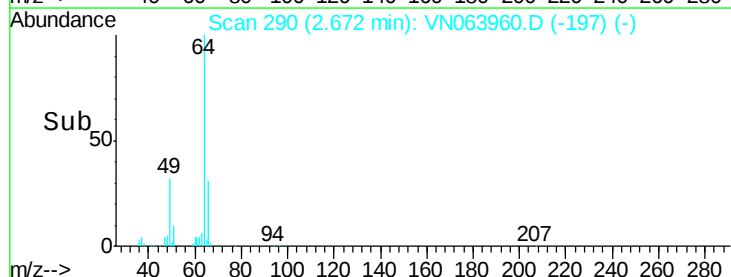
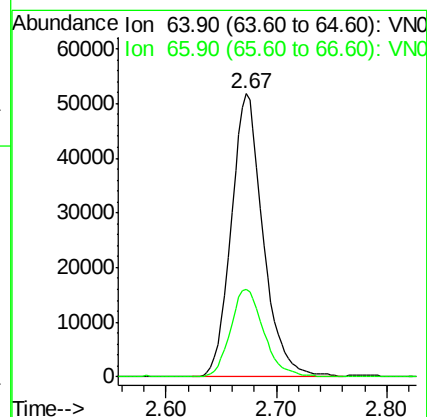
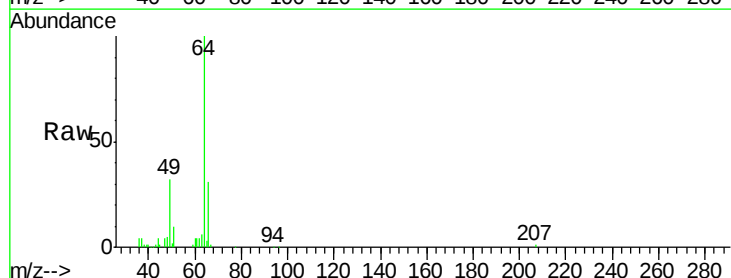
Acq: 7 Oct 2020 22:54

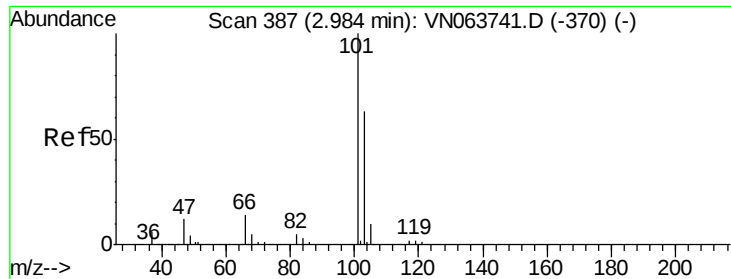
Tgt Ion: 64 Resp: 103602

Ion Ratio Lower Upper

64 100

66 31.0 25.1 37.7





#7

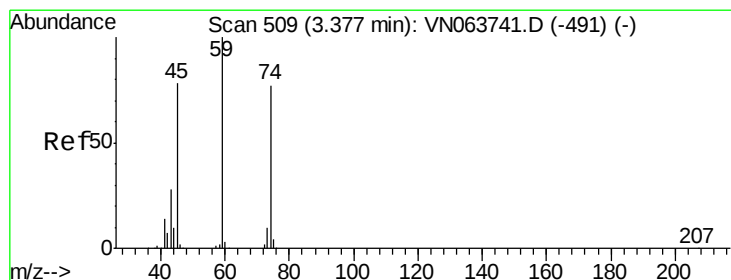
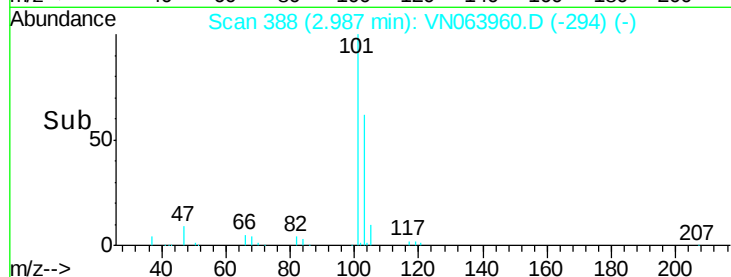
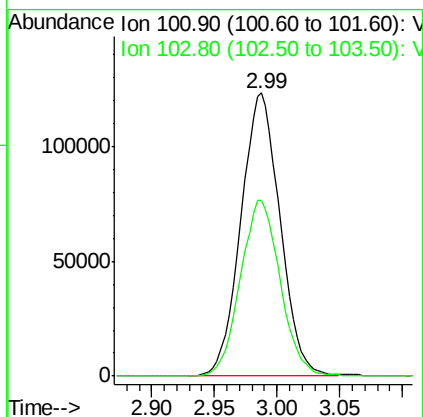
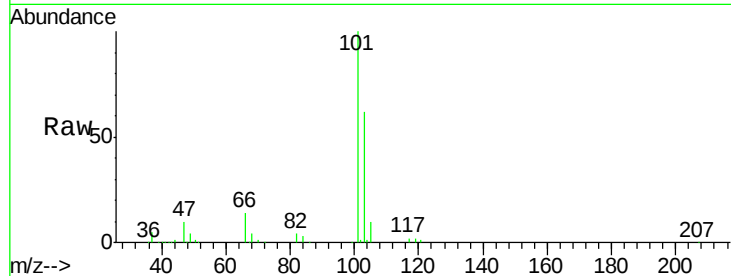
Trichlorofluoromethane
Concen: 47.828 ug/l
RT: 2.99 min Scan# 388
Delta R.T. 0.00 min
Lab File: VN063960.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	62.3	50.7	76.1

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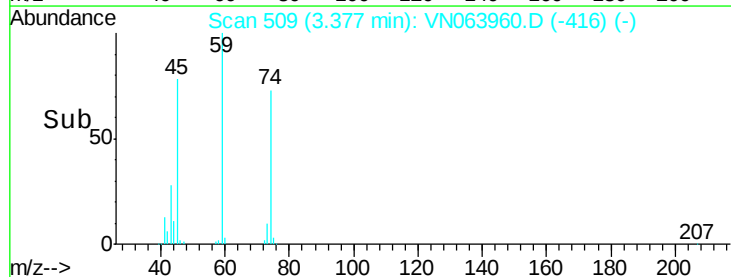
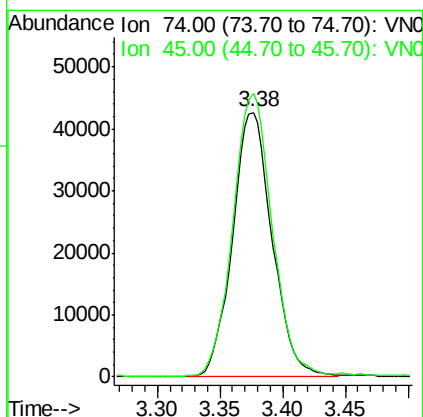
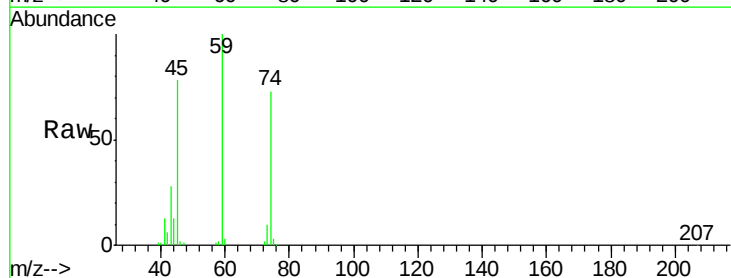
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#8

Diethyl Ether
Concen: 49.330 ug/l
RT: 3.38 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN063960.D
Acq: 7 Oct 2020 22:54

Tgt Ion	Ratio	Lower	Upper
74	100		
45	107.1	50.9	152.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.223 ug/l

RT: 3.72 min Scan# 617

Delta R.T. 0.01 min

Lab File: VN063960.D

Acq: 7 Oct 2020 22:54

Instrument :

MSVOA_N

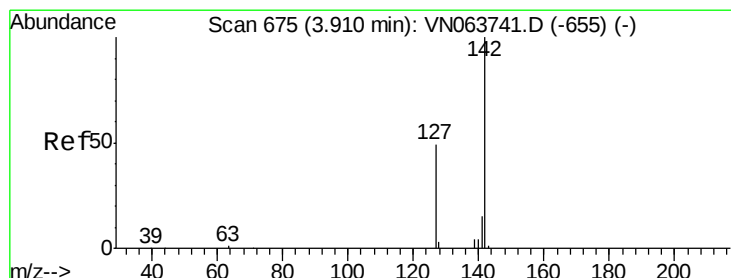
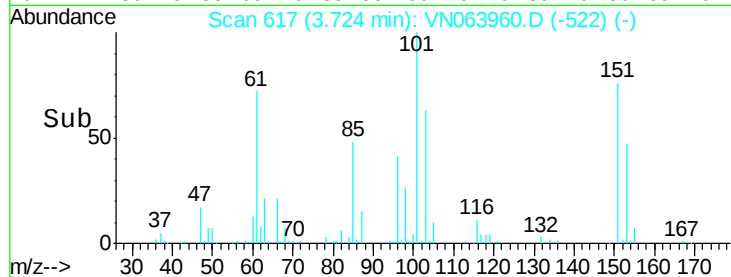
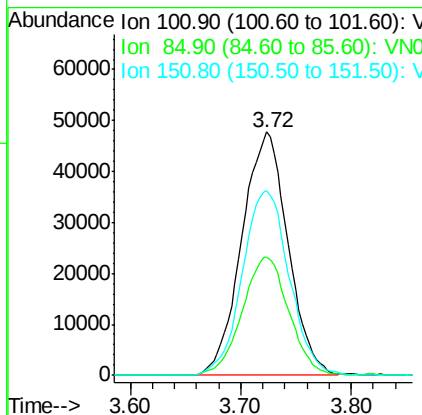
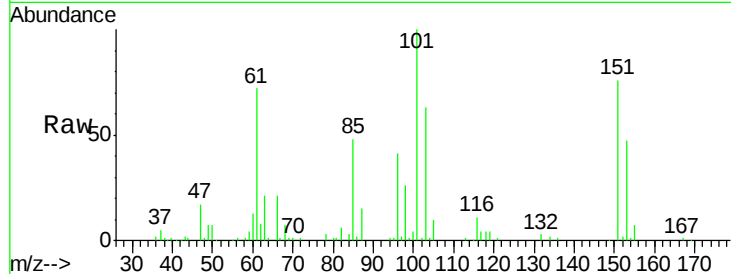
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	138450
Ion Ratio	Lower	Upper	
101	100		
85	49.0	38.6	58.0
151	77.1	58.7	88.1

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#10

Methyl Iodide

Concen: 45.674 ug/l

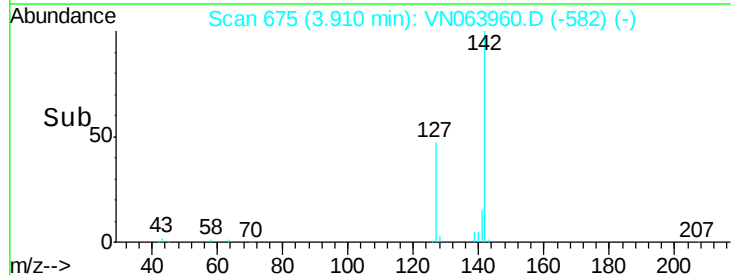
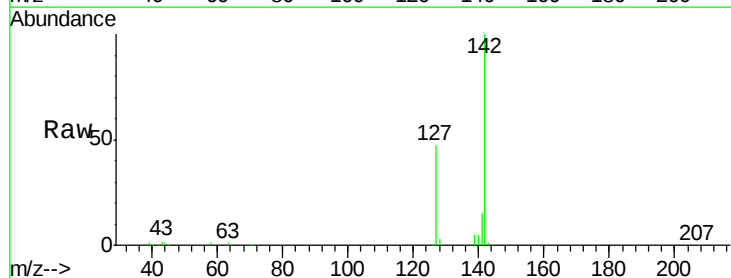
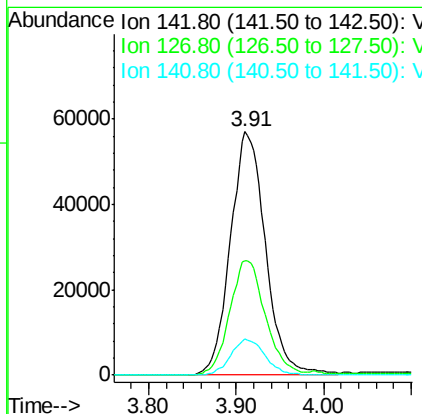
RT: 3.91 min Scan# 675

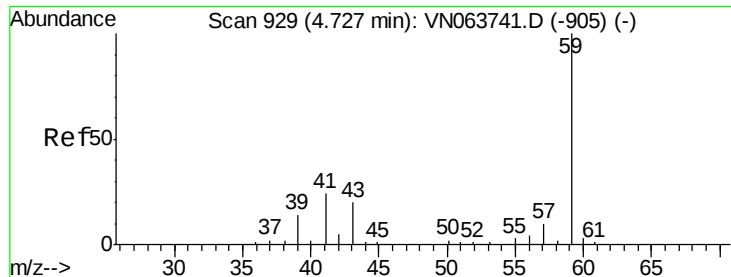
Delta R.T. 0.00 min

Lab File: VN063960.D

Acq: 7 Oct 2020 22:54

Tgt Ion:	142	Resp:	158843
Ion Ratio	Lower	Upper	
142	100		
127	47.9	40.5	60.7
141	14.4	11.7	17.5





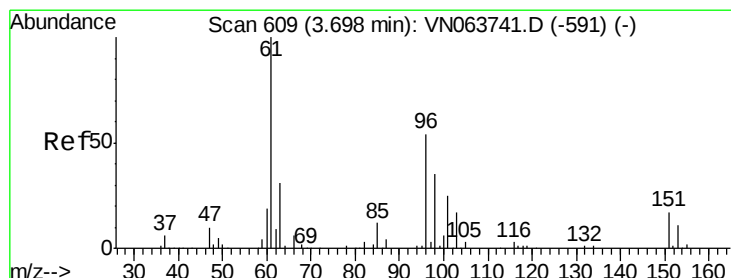
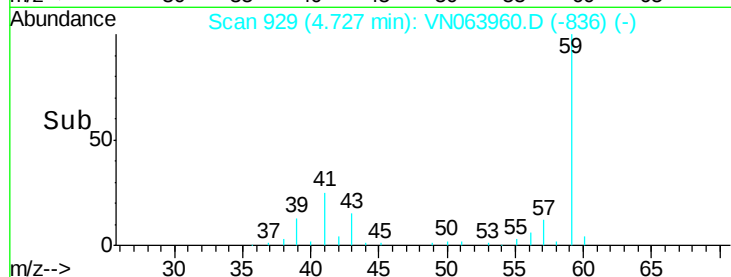
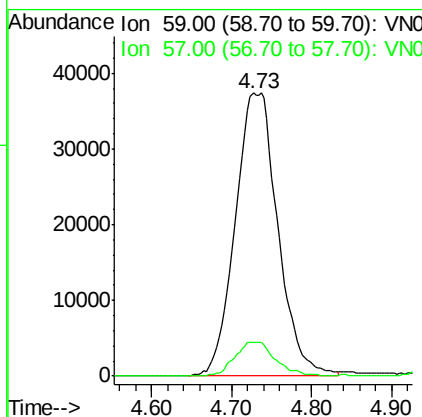
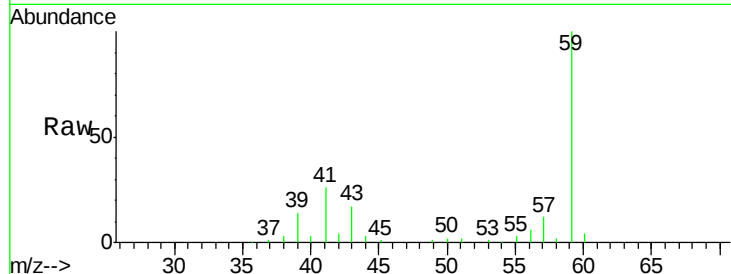
#11
Tert butyl alcohol
Concen: 261.111 ug/l
RT: 4.73 min Scan# 929
Delta R.T. 0.00 min
Lab File: VN063960.D
Acq: 7 Oct 2020 22:54

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 59 Resp: 135404
Ion Ratio Lower Upper
59 100
57 11.4 8.7 13.1

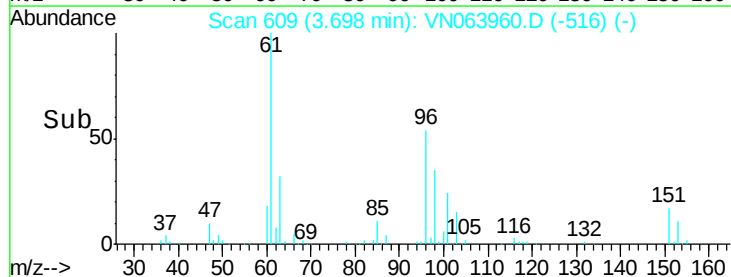
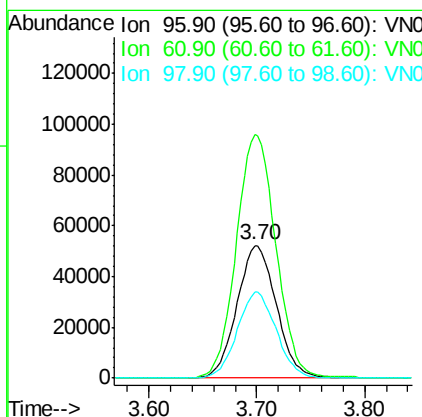
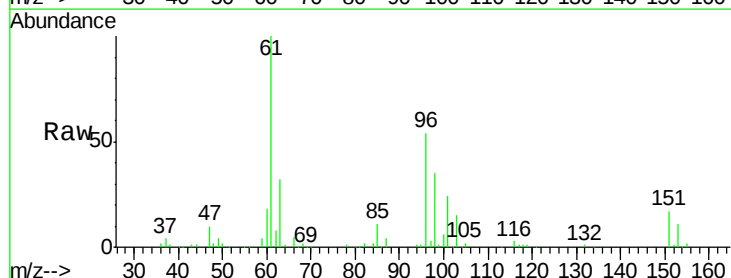
Manual Integrations
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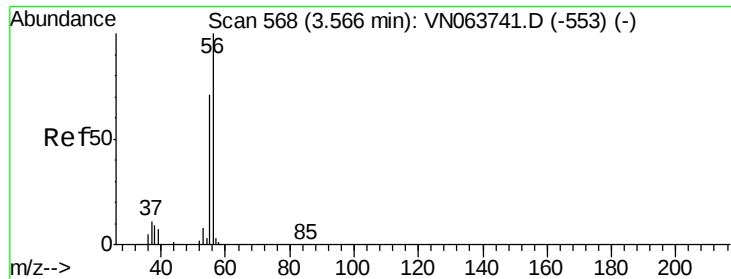
MMDadoda
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#12
1,1-Dichloroethene
Concen: 46.320 ug/l
RT: 3.70 min Scan# 609
Delta R.T. 0.00 min
Lab File: VN063960.D
Acq: 7 Oct 2020 22:54

Tgt Ion: 96 Resp: 132614
Ion Ratio Lower Upper
96 100
61 183.8 147.7 221.5
98 64.7 51.9 77.9





#13

Acrolein

Concen: 249.905 ug/l

RT: 3.57 min Scan# 569

Delta R.T. 0.00 min

Lab File: VN063960.D

Acq: 7 Oct 2020 22:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 79537

Ion Ratio Lower Upper

56 100

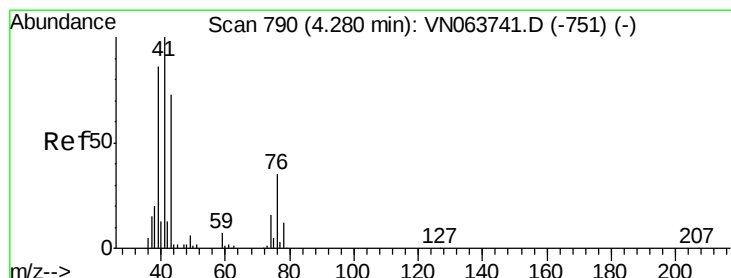
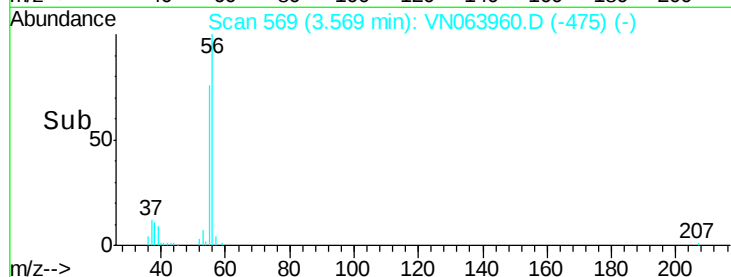
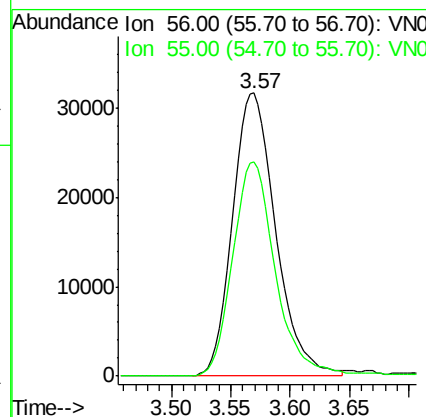
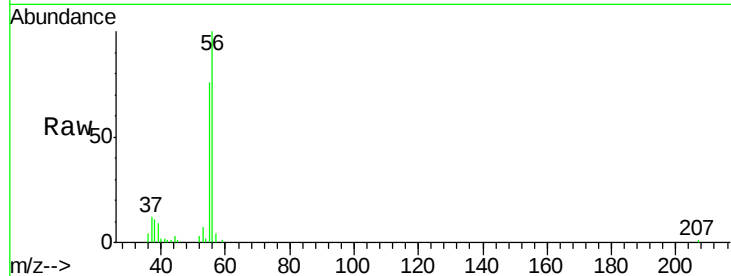
55 75.5 56.9 85.3

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#14

Allyl chloride

Concen: 50.822 ug/l

RT: 4.28 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN063960.D

Acq: 7 Oct 2020 22:54

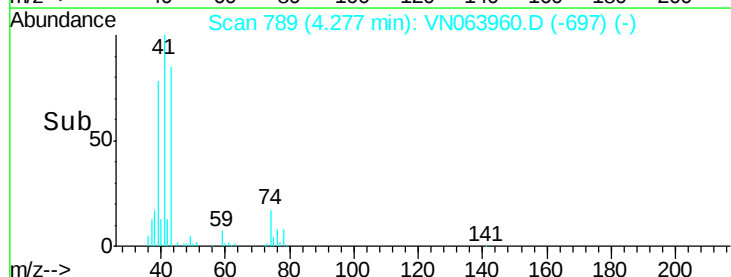
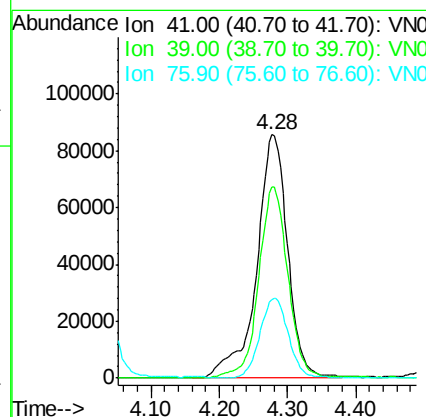
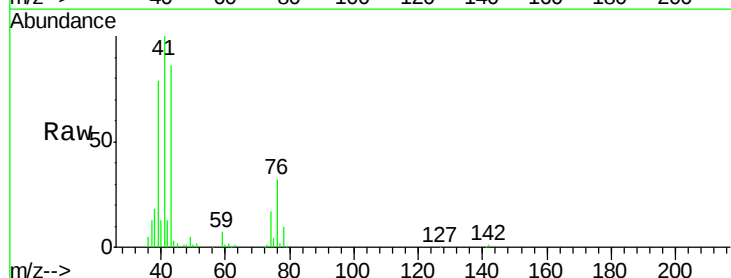
Tgt Ion: 41 Resp: 270315

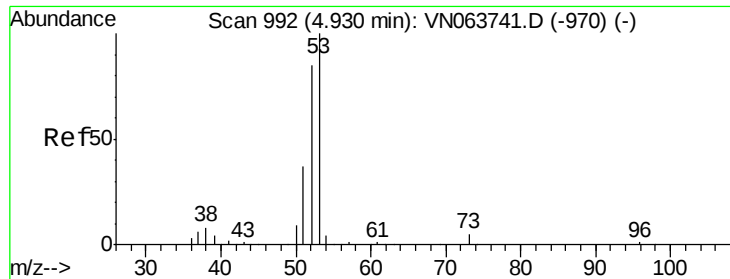
Ion Ratio Lower Upper

41 100

39 74.1 64.5 96.7

76 29.2 25.9 38.9





#15

Acrylonitrile

Concen: 266.792 ug/l

RT: 4.93 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN063960.D

Acq: 7 Oct 2020 22:54

Instrument :

MSVOA_N

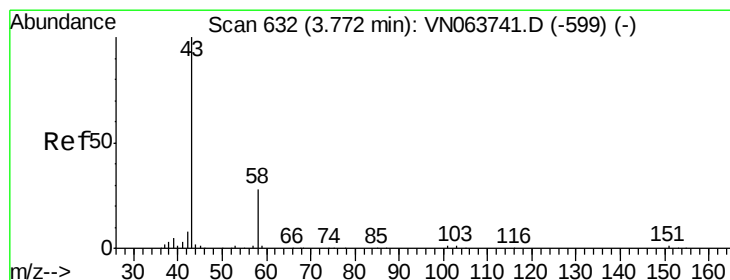
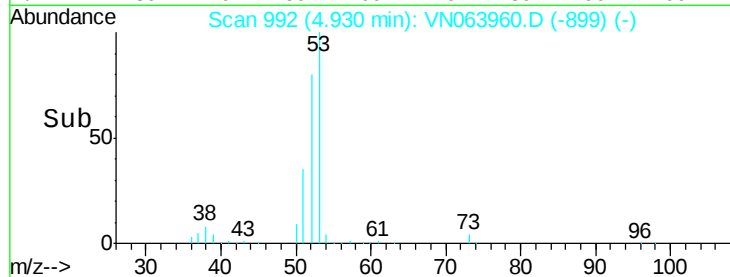
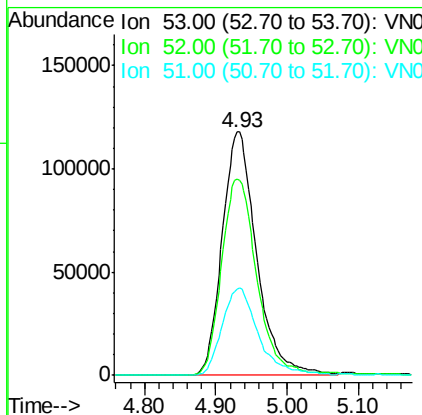
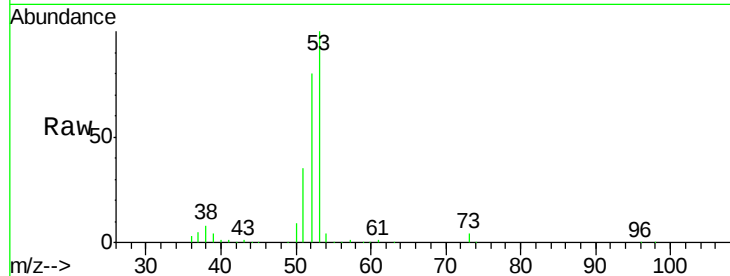
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	396019
Ion	Ratio	Lower	Upper
53	100		
52	82.0	66.5	99.7
51	37.8	29.9	44.9

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#16

Acetone

Concen: 247.216 ug/l

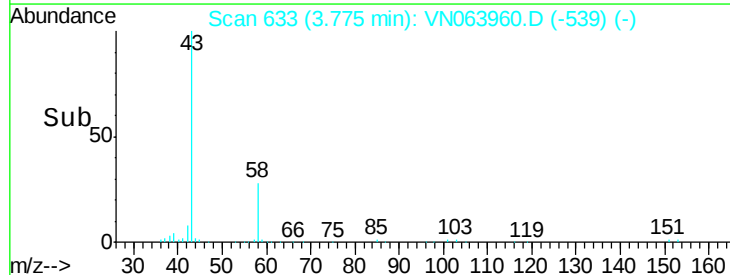
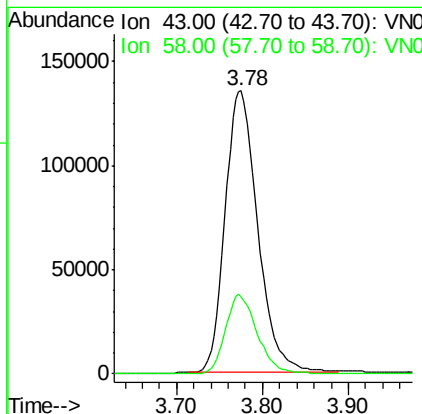
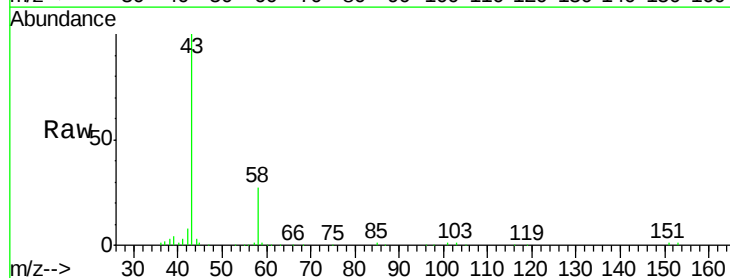
RT: 3.78 min Scan# 633

Delta R.T. 0.00 min

Lab File: VN063960.D

Acq: 7 Oct 2020 22:54

Tgt Ion:	43	Resp:	357451
Ion	Ratio	Lower	Upper
43	100		
58	27.6	22.3	33.5





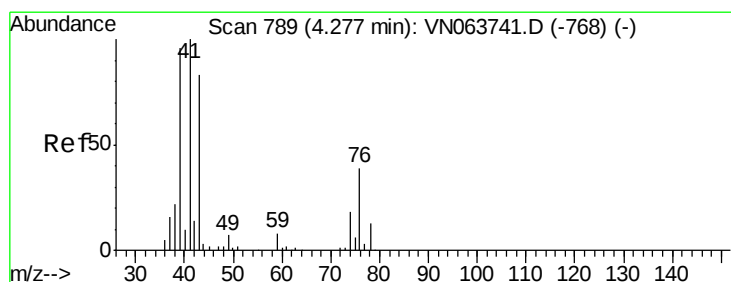
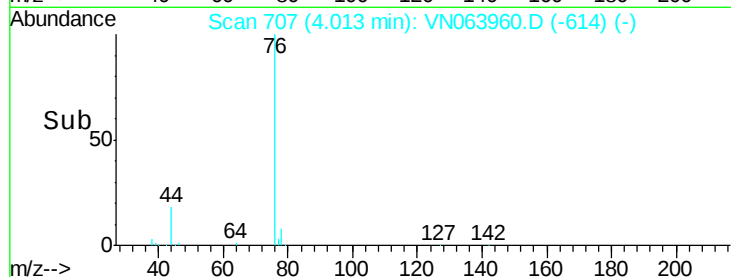
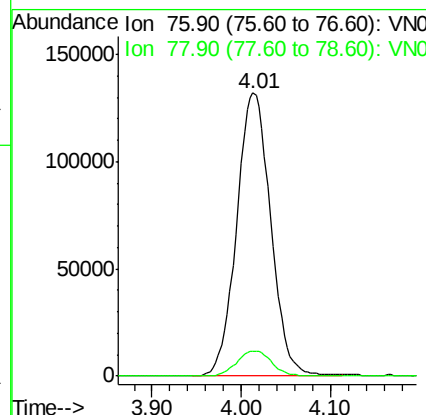
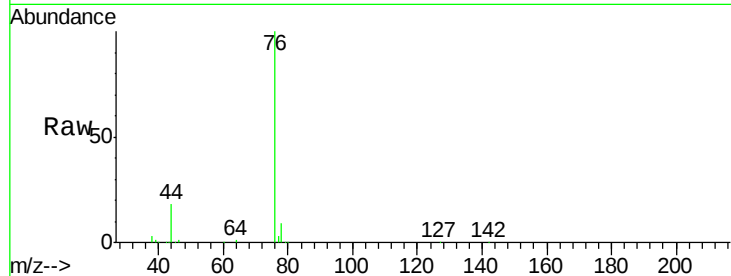
#17
Carbon Disulfide
Concen: 45.361 ug/l
RT: 4.01 min Scan# 707
Delta R.T. 0.00 min
Lab File: VN063960.D
Acq: 7 Oct 2020 22:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.0	10.4

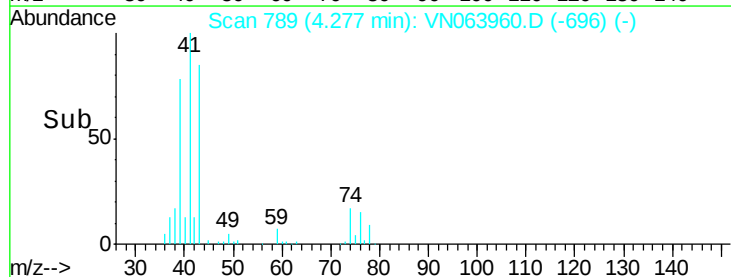
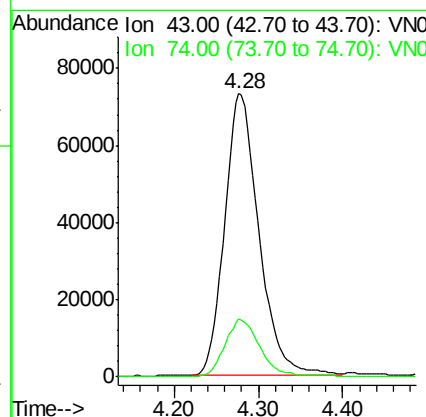
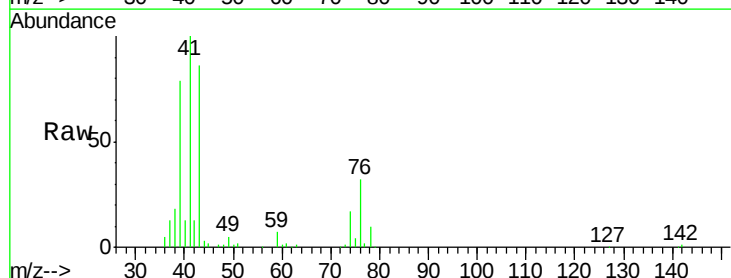
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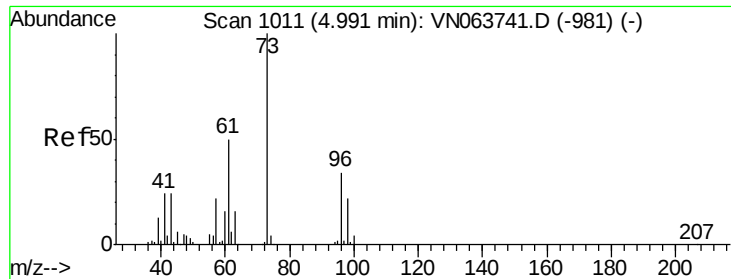
MMDadoda
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#18
Methyl Acetate
Concen: 54.957 ug/l
RT: 4.28 min Scan# 789
Delta R.T. 0.00 min
Lab File: VN063960.D
Acq: 7 Oct 2020 22:54

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.0	17.4	26.2





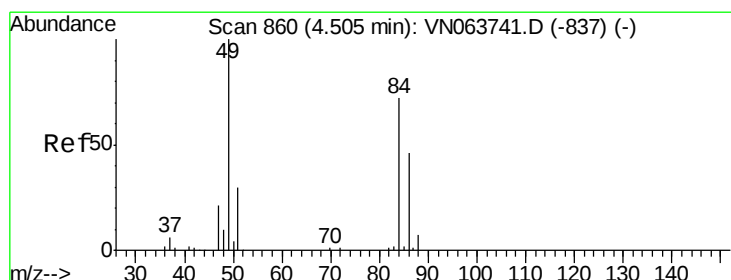
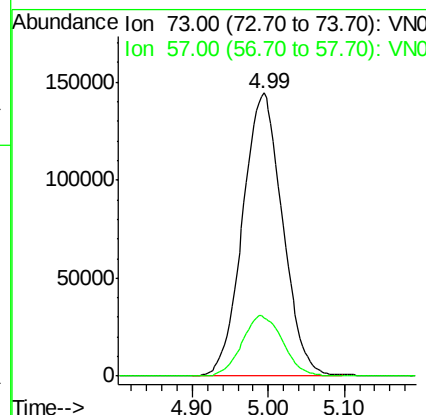
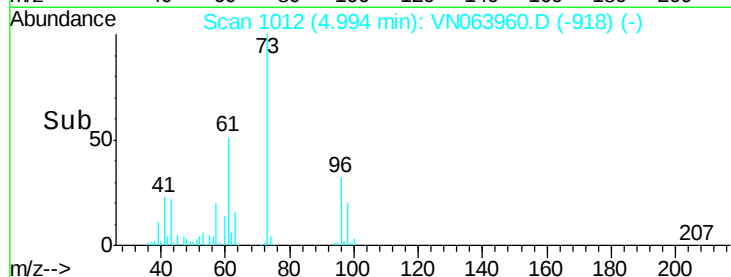
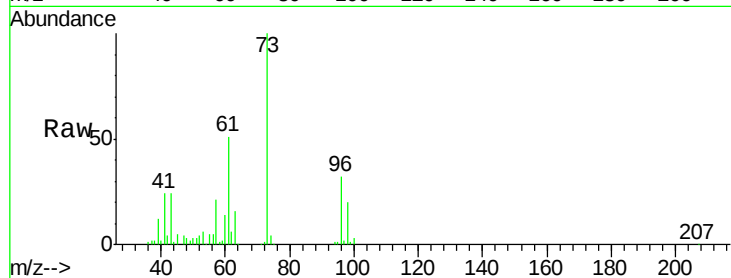
#19
Methvl tert-butvl Ether
Concen: 50.689 ug/l
RT: 4.99 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VN063960.D
Acq: 7 Oct 2020 22:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 527235
Ion Ratio Lower Upper
73 100
57 20.6 17.6 26.4

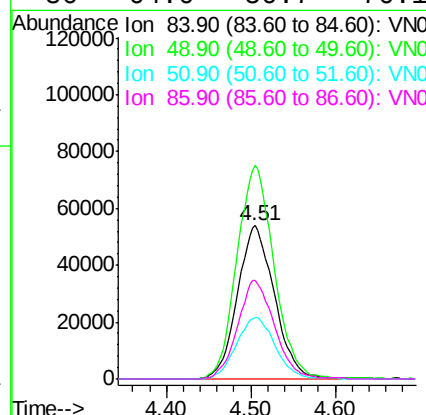
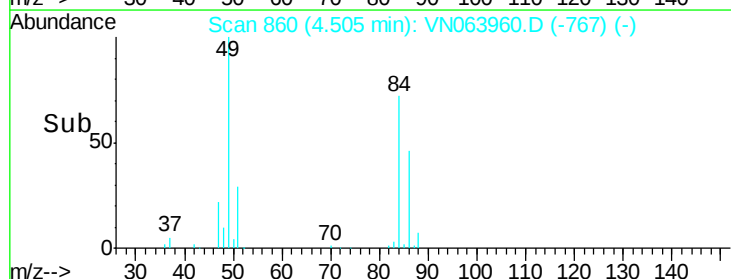
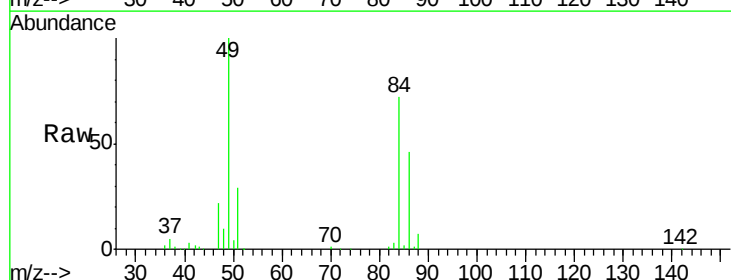
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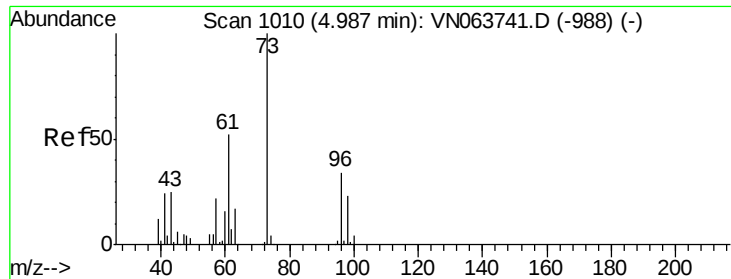
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#20
Methylene Chloride
Concen: 49.725 ug/l
RT: 4.51 min Scan# 860
Delta R.T. 0.00 min
Lab File: VN063960.D
Acq: 7 Oct 2020 22:54

Tgt Ion: 84 Resp: 164679
Ion Ratio Lower Upper
84 100
49 139.2 110.4 165.6
51 39.8 33.3 49.9
86 64.0 50.7 76.1





#21

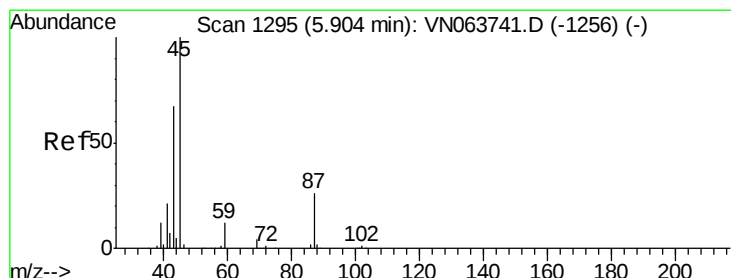
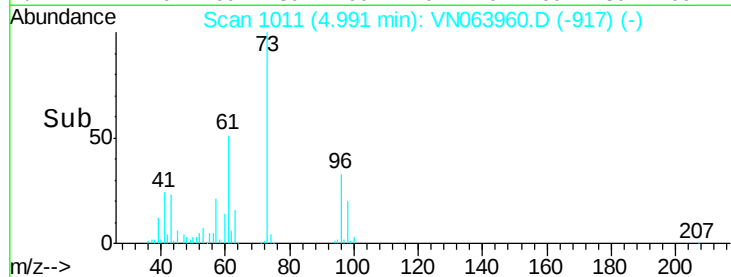
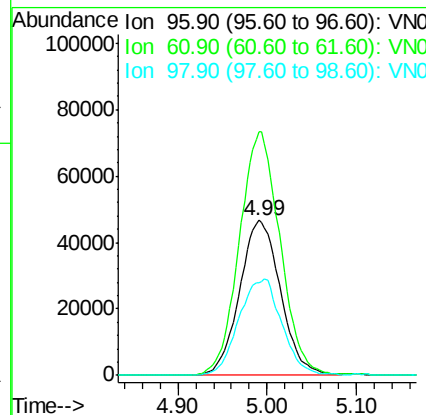
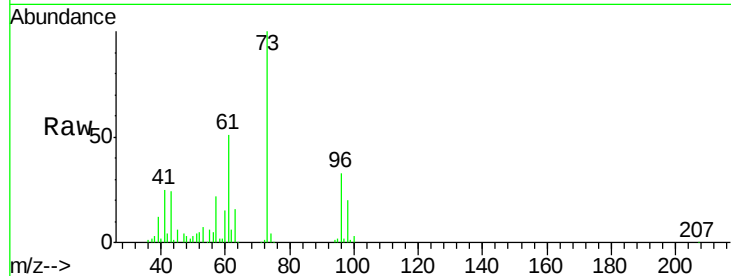
trans-1,2-Dichloroethene
Concen: 46.298 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN063960.D
Acq: 7 Oct 2020 22:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	157.0	120.2	180.2
98	59.6	52.6	79.0

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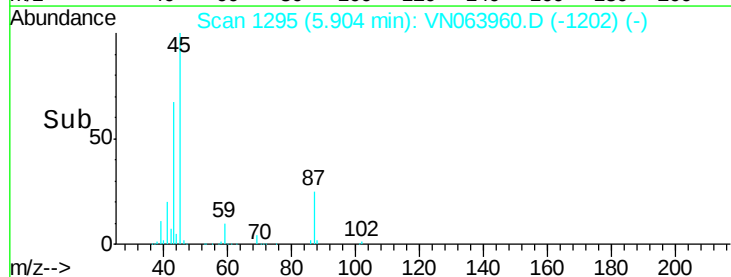
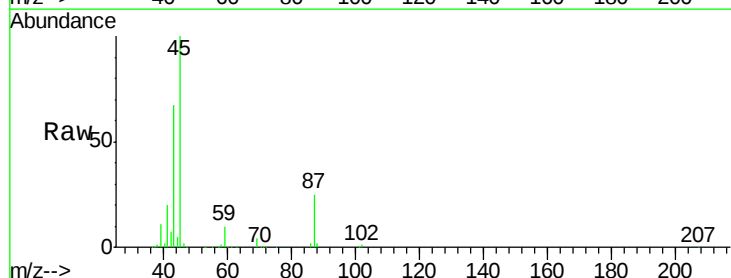
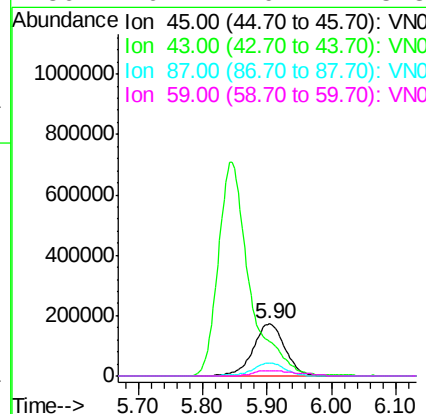
MMDadoda
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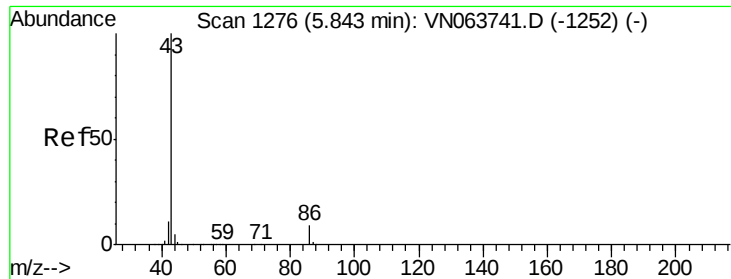


#22

Diisopropyl ether
Concen: 54.192 ug/l
RT: 5.90 min Scan# 1295
Delta R.T. 0.00 min
Lab File: VN063960.D
Acq: 7 Oct 2020 22:54

Tgt Ion	Ratio	Lower	Upper
45	100		
43	65.5	53.7	80.5
87	24.7	21.1	31.7
59	10.2	9.2	13.8





#23

Vinyl Acetate

Concen: 264.452 ug/l

RT: 5.85 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VN063960.D

Acq: 7 Oct 2020 22:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2397235

Ion Ratio Lower Upper

43 100

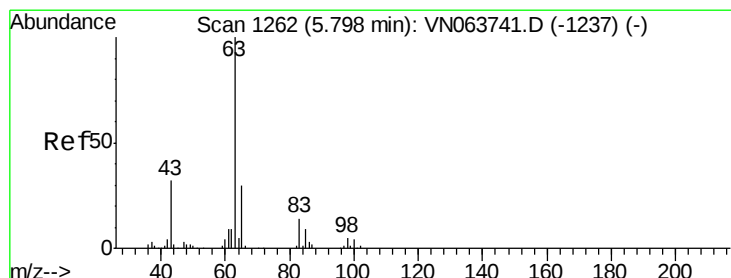
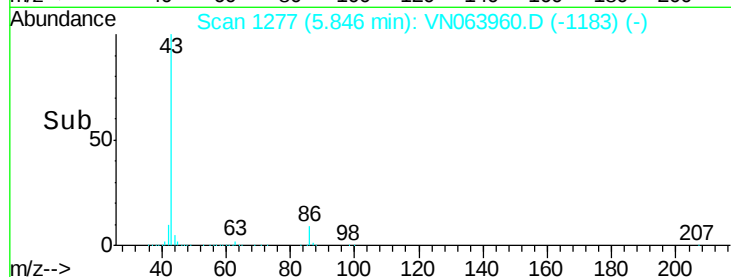
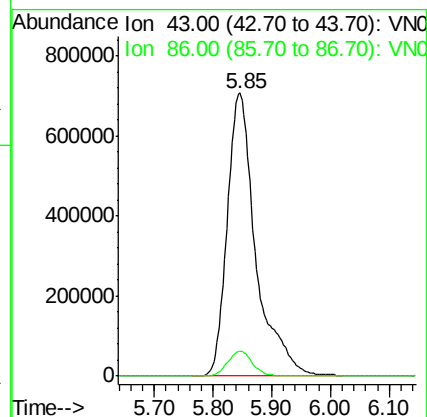
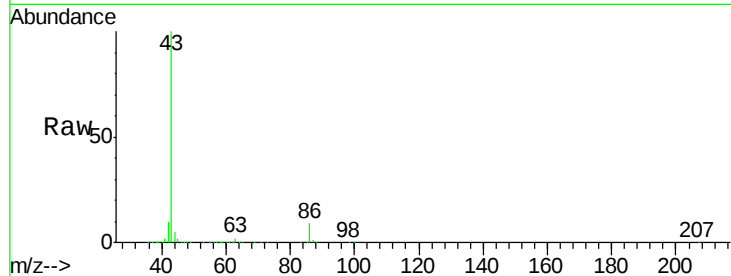
86 9.0 7.3 10.9

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 49.384 ug/l

RT: 5.80 min Scan# 1263

Delta R.T. 0.00 min

Lab File: VN063960.D

Acq: 7 Oct 2020 22:54

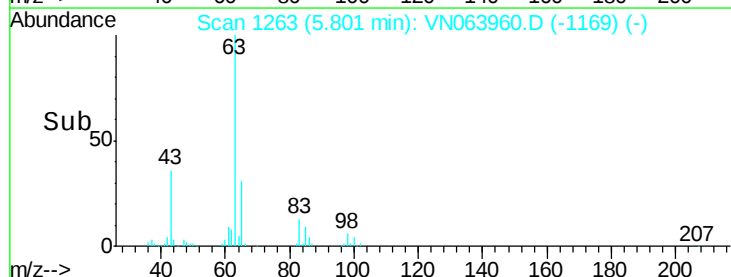
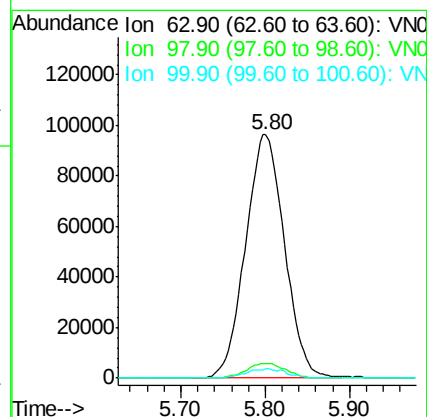
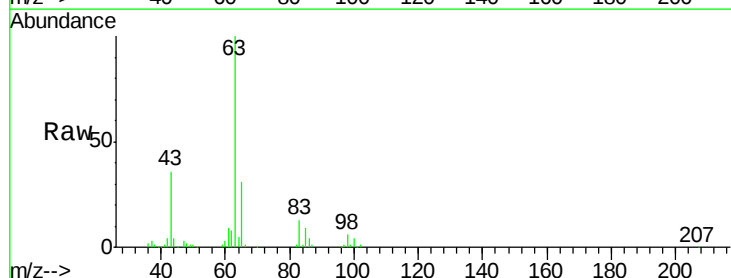
Tgt Ion: 63 Resp: 308996

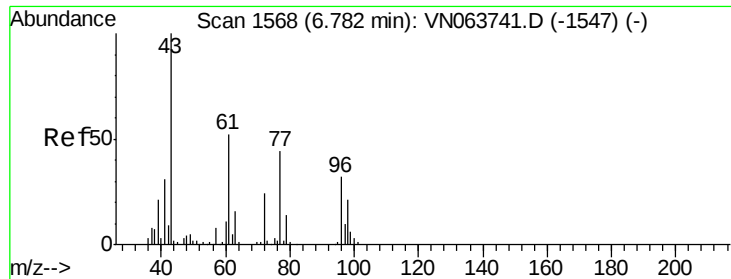
Ion Ratio Lower Upper

63 100

98 5.7 2.7 8.1

100 3.8 1.9 5.7





#25

2-Butanone

Concen: 275.407 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN063960.D

Acq: 7 Oct 2020 22:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 564566

Ion Ratio Lower Upper

43 100

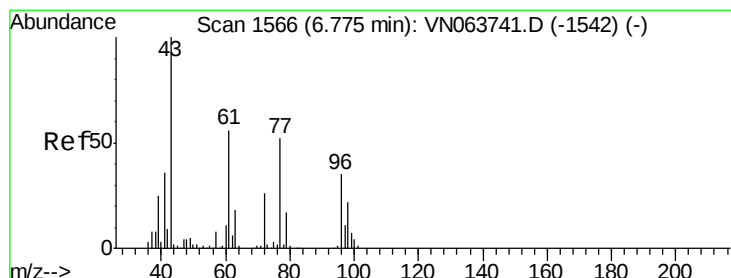
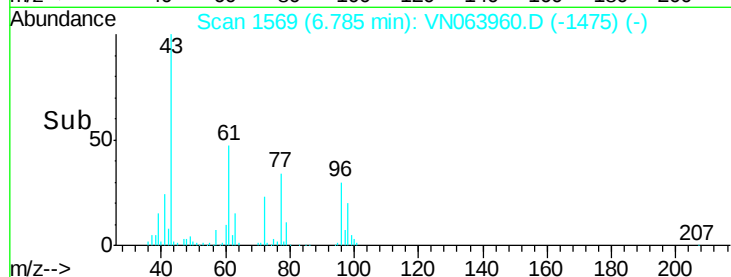
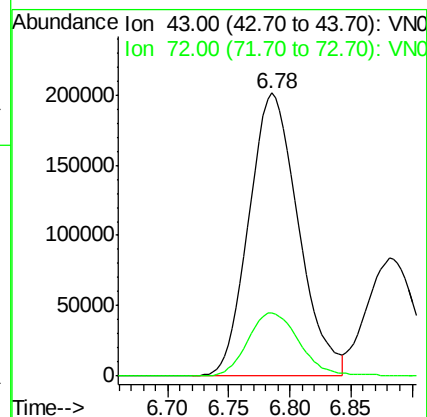
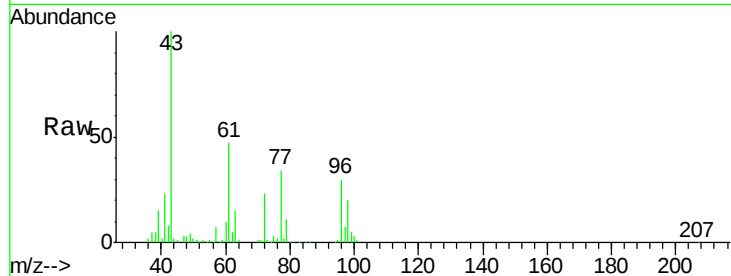
72 22.6 19.3 28.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 40.630 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN063960.D

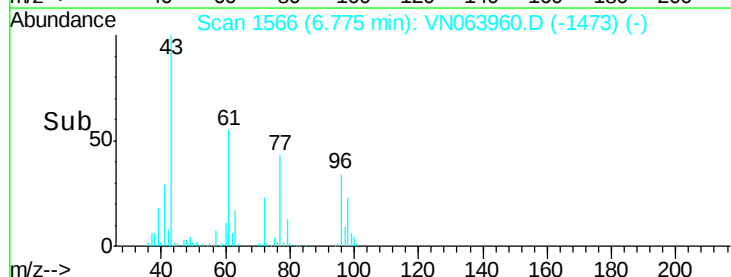
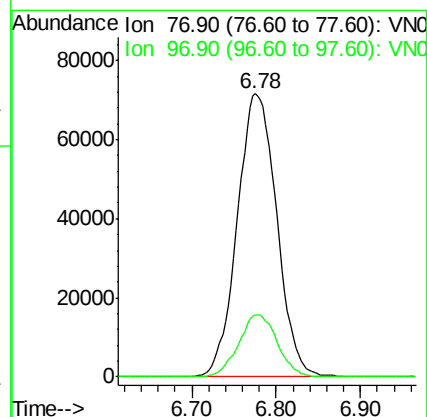
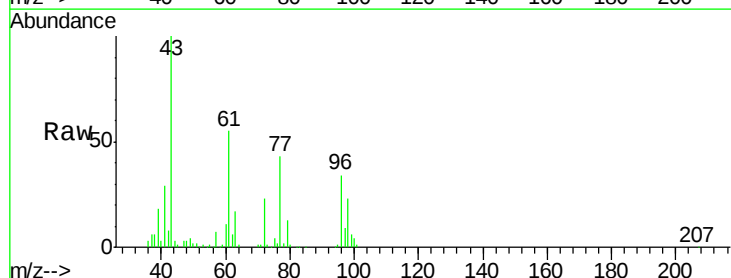
Acq: 7 Oct 2020 22:54

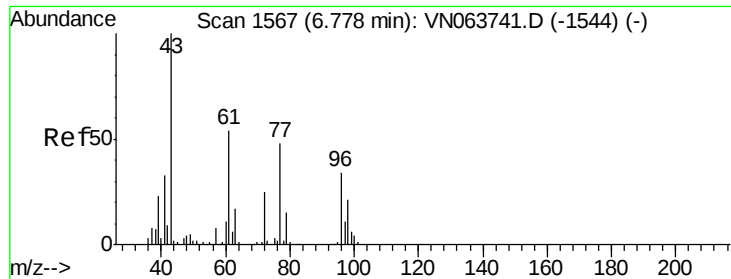
Tgt Ion: 77 Resp: 232812

Ion Ratio Lower Upper

77 100

97 21.6 10.8 32.3





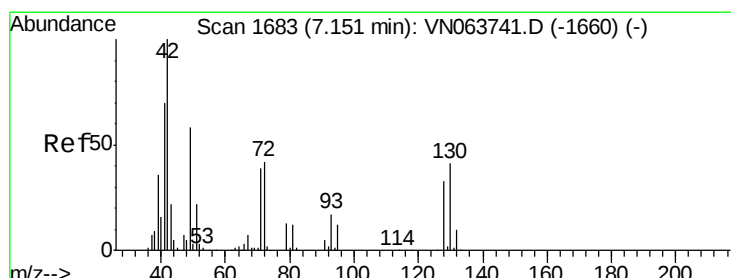
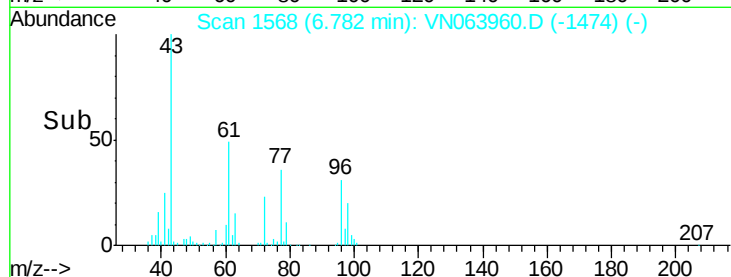
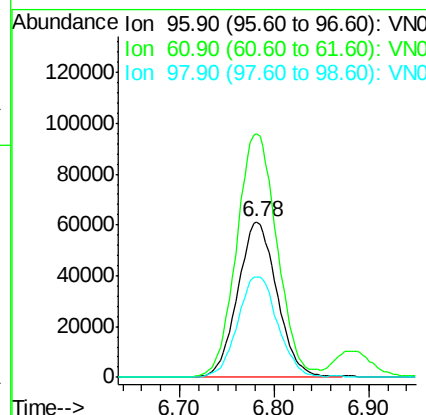
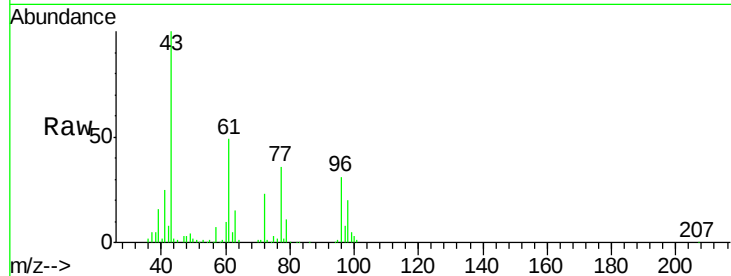
#27
 cis-1,2-Dichloroethene
 Concen: 48.001 ug/l
 RT: 6.78 min Scan# 1568
 Delta R.T. 0.00 min
 Lab File: VN063960.D
 Acq: 7 Oct 2020 22:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	161.4	0.0	321.2
98	65.9	0.0	124.4

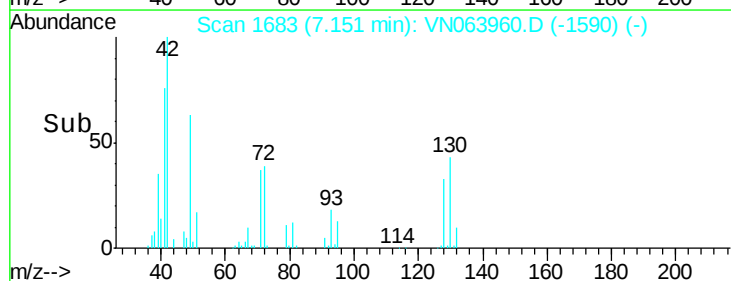
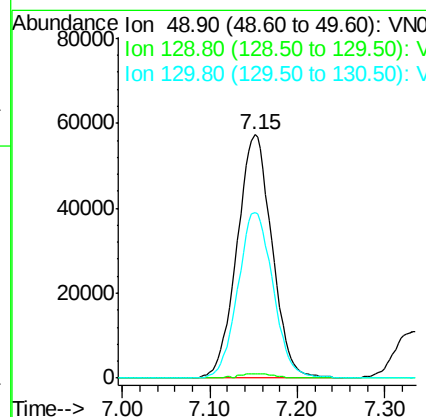
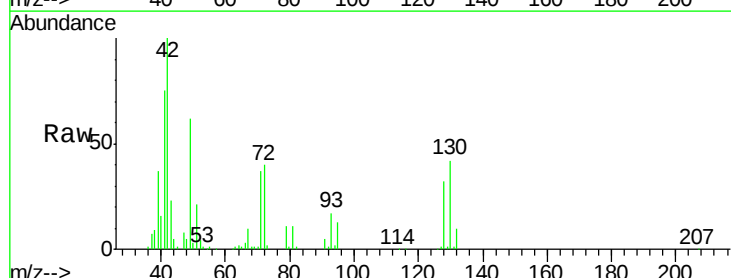
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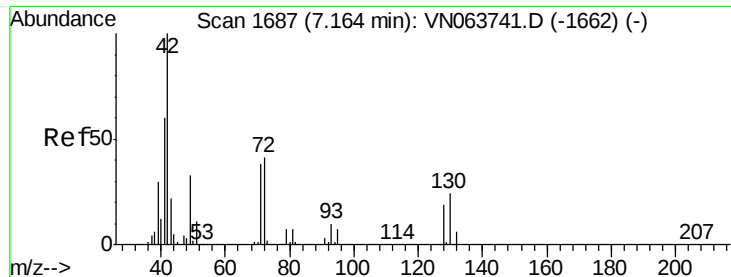
MMDadoda
 10/8/2020 10:09:27 AM



#28
 Bromochloromethane
 Concen: 51.561 ug/l
 RT: 7.15 min Scan# 1683
 Delta R.T. 0.00 min
 Lab File: VN063960.D
 Acq: 7 Oct 2020 22:54

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	4.8
130	68.6	55.6	83.4





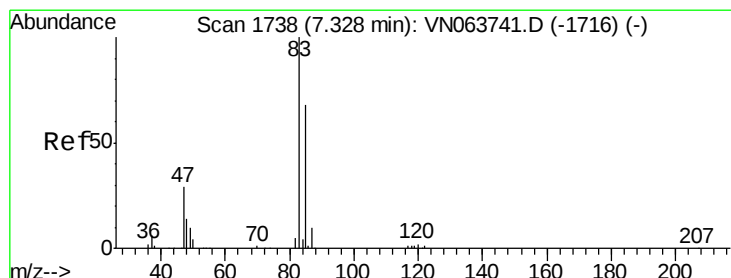
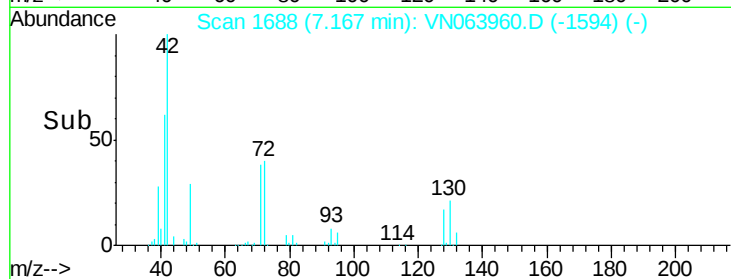
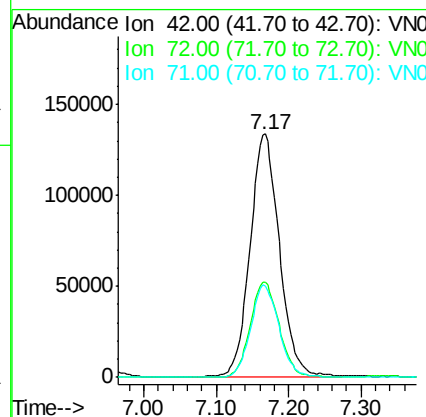
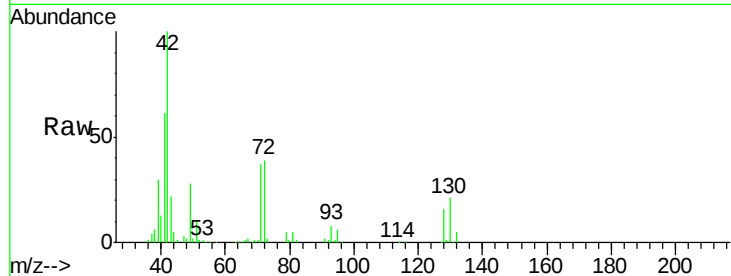
#29
Tetrahydrofuran
Concen: 273.923 ug/l
RT: 7.17 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VN063960.D
Acq: 7 Oct 2020 22:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.7	32.8	49.2
71	36.7	30.6	45.8

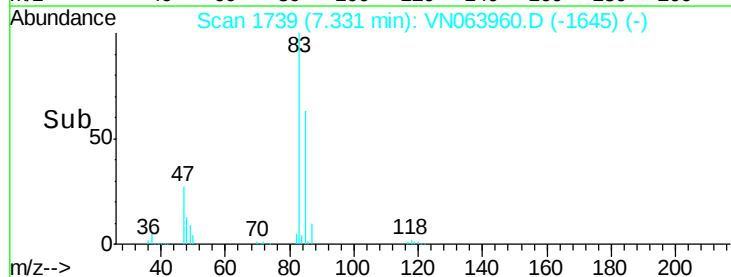
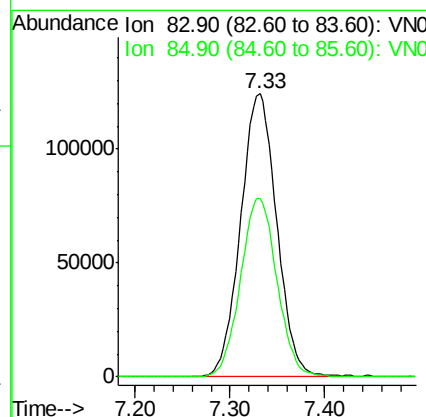
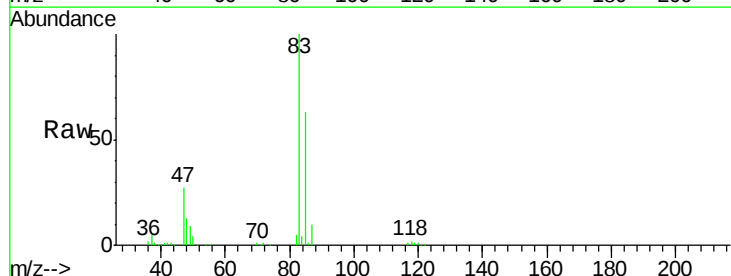
Manual Integrations
APPROVED

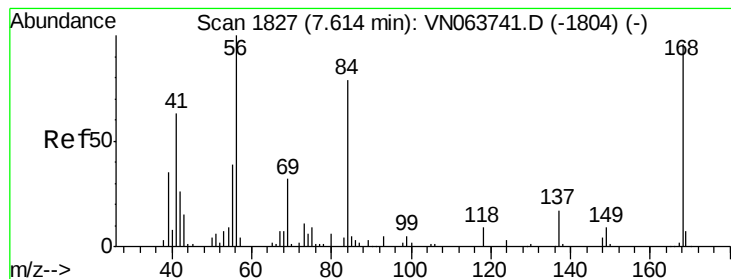
MMDadoda
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#30
Chloroform
Concen: 50.554 ug/l
RT: 7.33 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VN063960.D
Acq: 7 Oct 2020 22:54

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.9	54.6	82.0





#31

Cyclohexane

Concen: 45.612 ug/l

RT: 7.61 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN063960.D

Acq: 7 Oct 2020 22:54

Instrument :

MSVOA_N

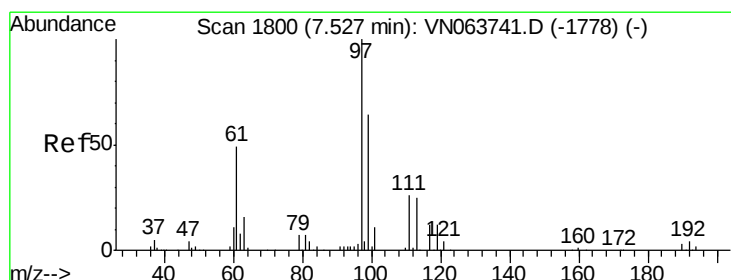
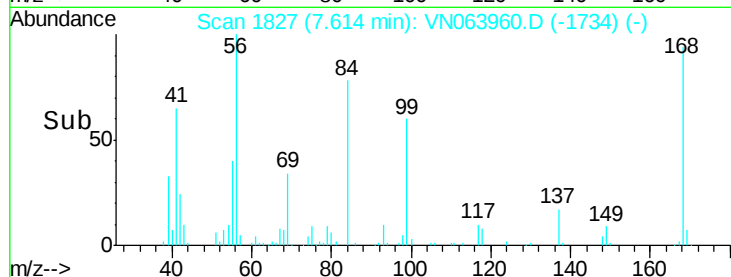
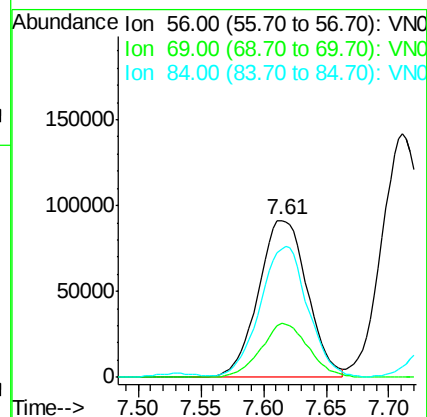
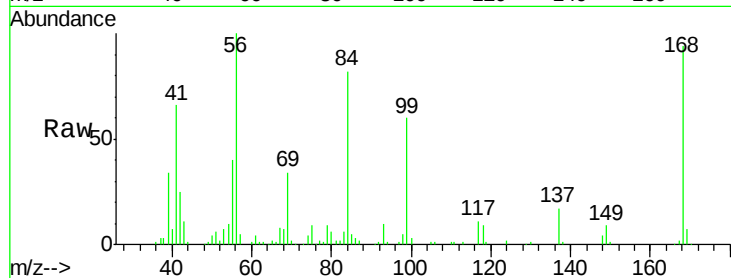
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	248724
Ion	Ratio	Lower	Upper
56	100		
69	34.1	25.4	38.2
84	80.0	63.3	94.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 50.338 ug/l

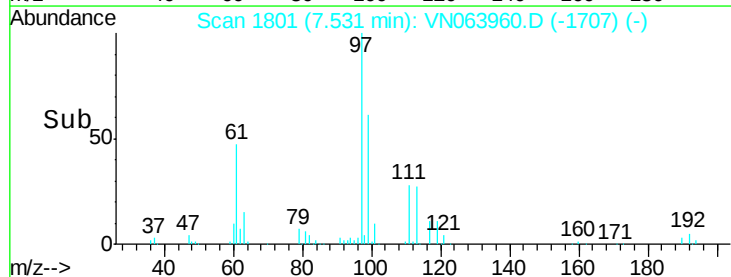
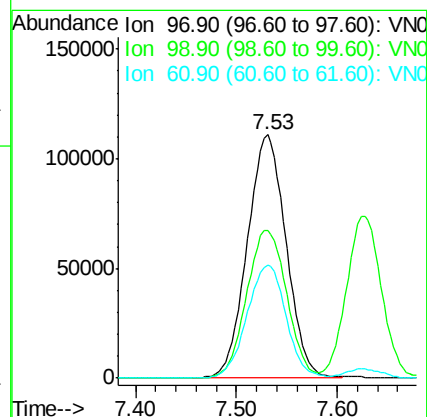
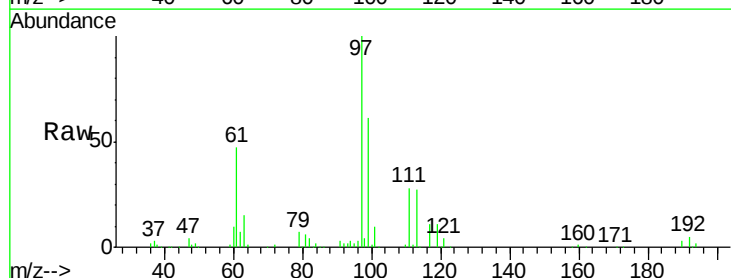
RT: 7.53 min Scan# 1801

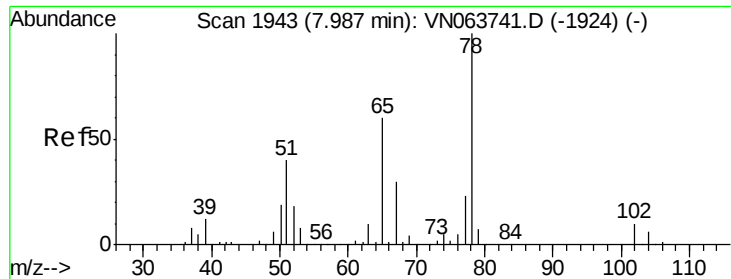
Delta R.T. 0.00 min

Lab File: VN063960.D

Acq: 7 Oct 2020 22:54

Tgt Ion:	97	Resp:	296218
Ion	Ratio	Lower	Upper
97	100		
99	62.8	51.0	76.6
61	46.8	38.7	58.1





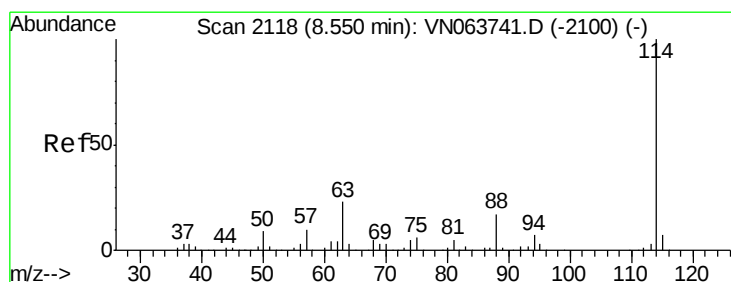
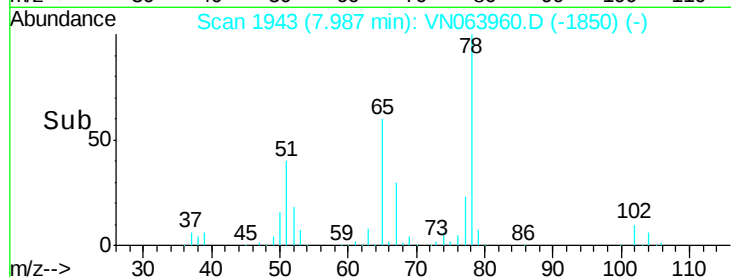
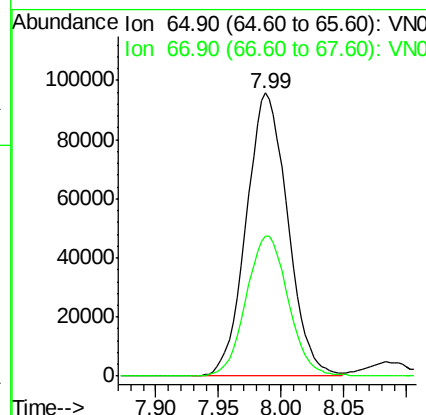
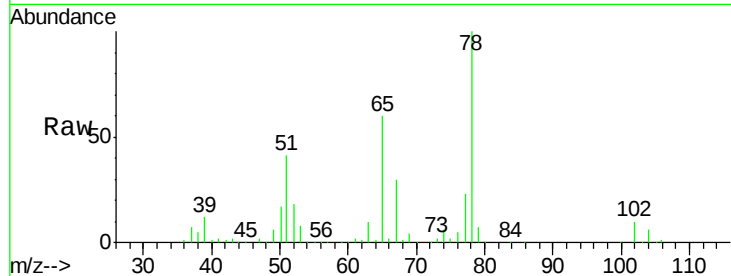
#33
 1,2-Dichloroethane-d4
 Concen: 46.986 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN063960.D
 Acq: 7 Oct 2020 22:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	220695		
67	50.2	0.0	99.6	

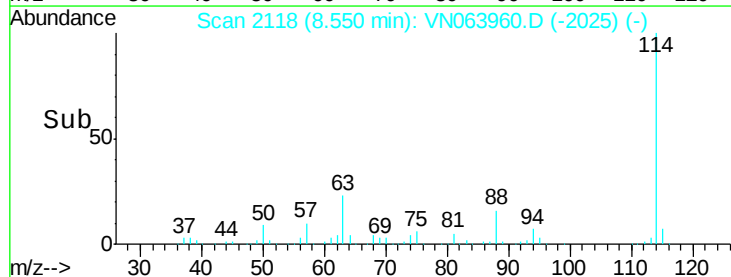
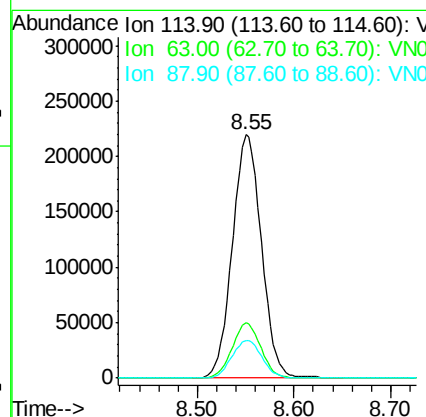
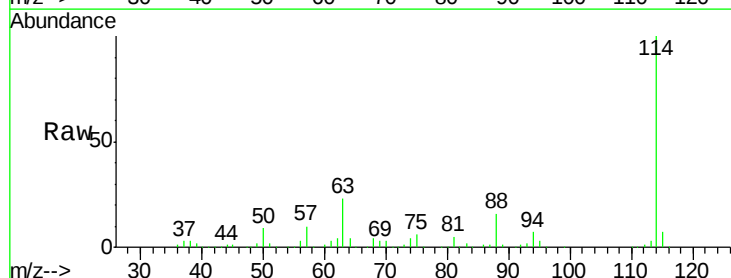
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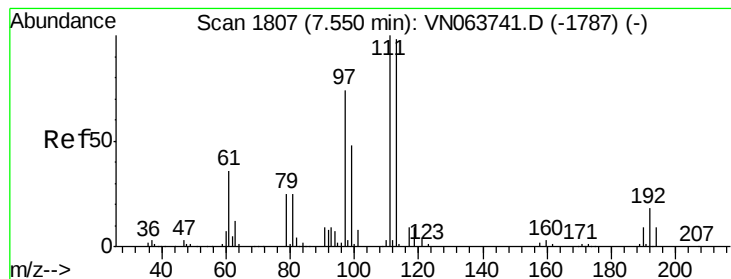
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN063960.D
 Acq: 7 Oct 2020 22:54

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	459021		
63	22.6	0.0	45.0	
88	15.7	0.0	34.0	





#35

Dibromofluoromethane

Concen: 47.523 ug/l

RT: 7.55 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VN063960.D

Acq: 7 Oct 2020 22:54

Instrument :

MSVOA_N

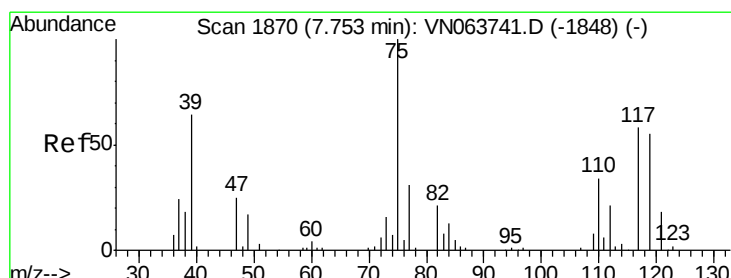
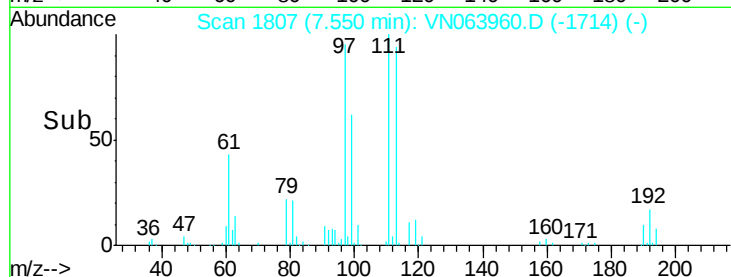
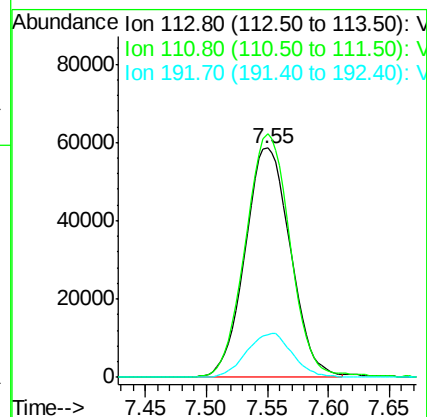
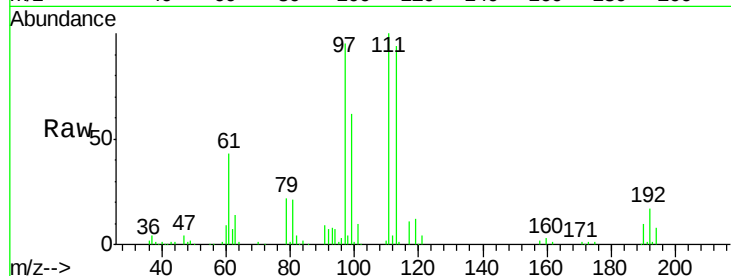
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	151361
Ion Ratio	Lower	Upper	
113	100		
111	105.0	81.8	122.8
192	19.2	14.2	21.2

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#36

1,1-Dichloropropene

Concen: 49.217 ug/l

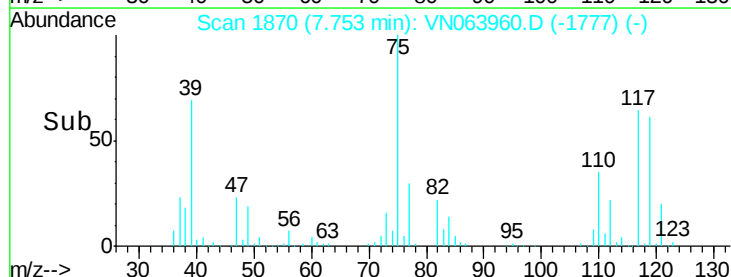
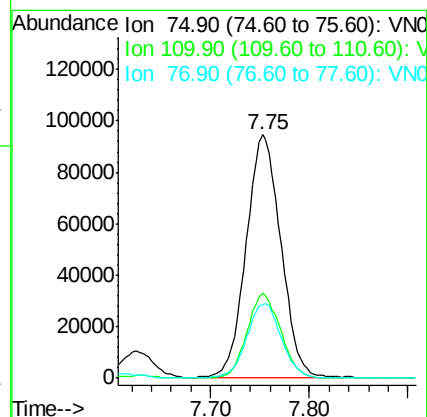
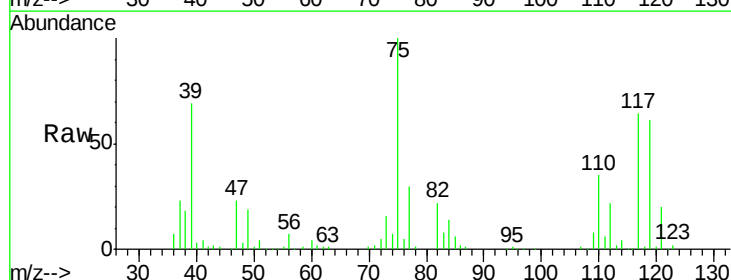
RT: 7.75 min Scan# 1870

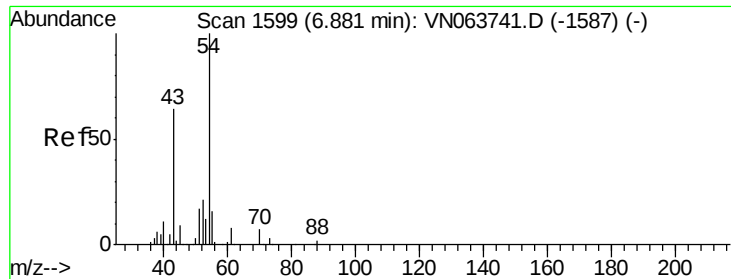
Delta R.T. 0.00 min

Lab File: VN063960.D

Acq: 7 Oct 2020 22:54

Tgt Ion:	75	Resp:	228875
Ion Ratio	Lower	Upper	
75	100		
110	33.6	16.9	50.6
77	30.8	24.5	36.7





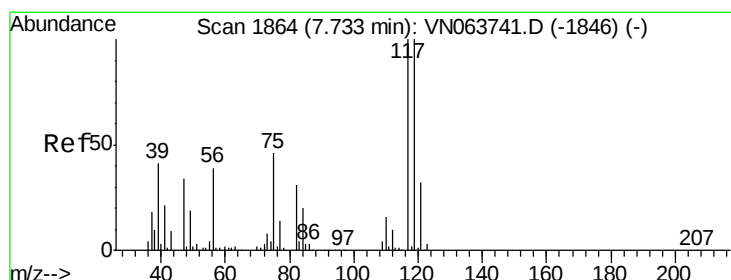
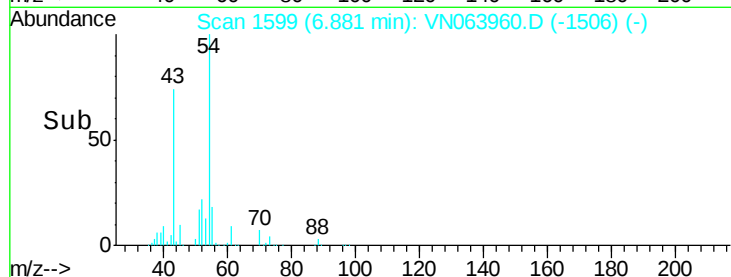
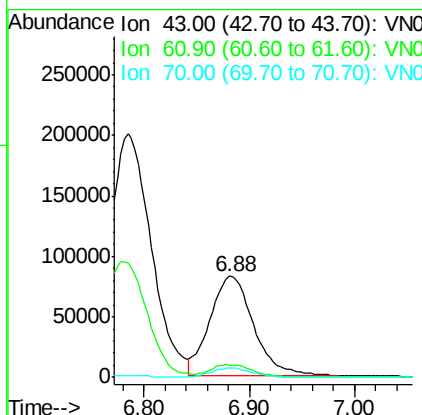
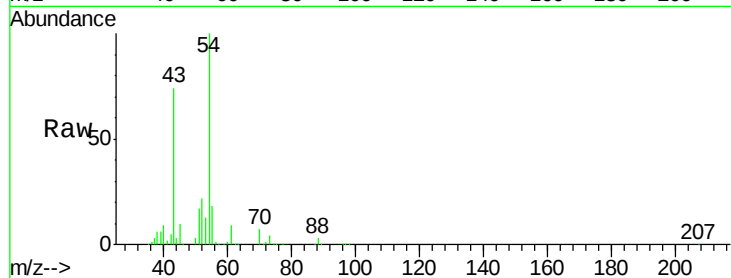
#37
Ethyl Acetate
Concen: 51.267 ug/l
RT: 6.88 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VN063960.D
Acq: 7 Oct 2020 22:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.5	10.4	15.6
70	8.4	7.3	10.9

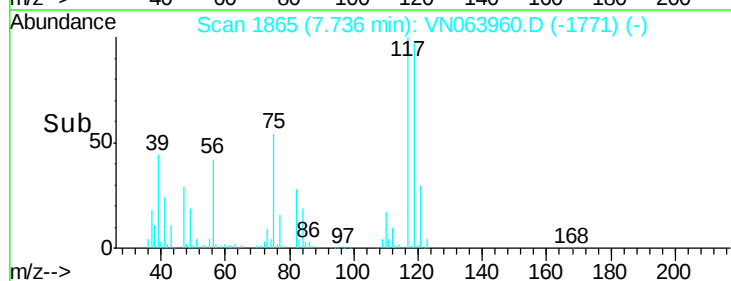
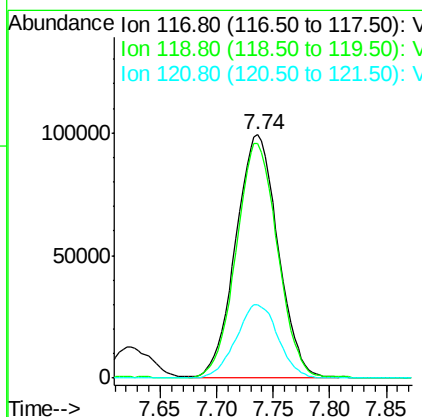
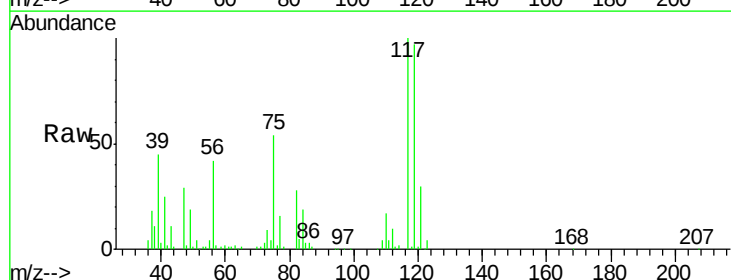
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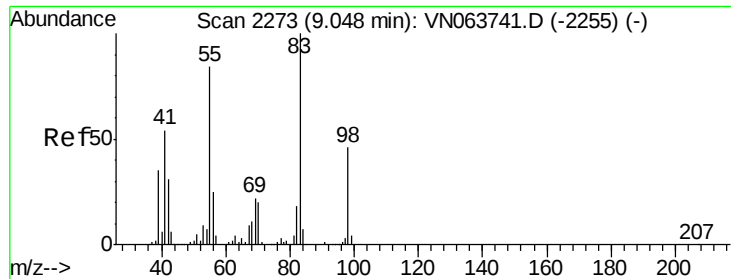
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#38
Carbon Tetrachloride
Concen: 49.136 ug/l
RT: 7.74 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN063960.D
Acq: 7 Oct 2020 22:54

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.7	80.1	120.1
121	30.2	25.7	38.5





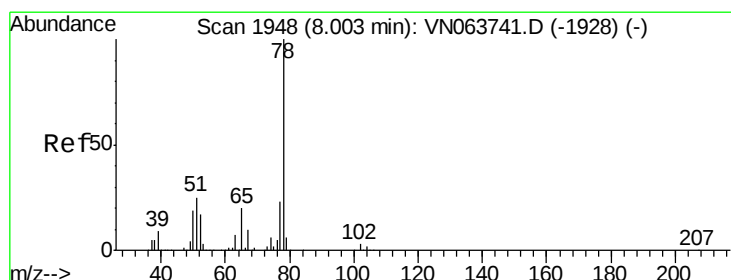
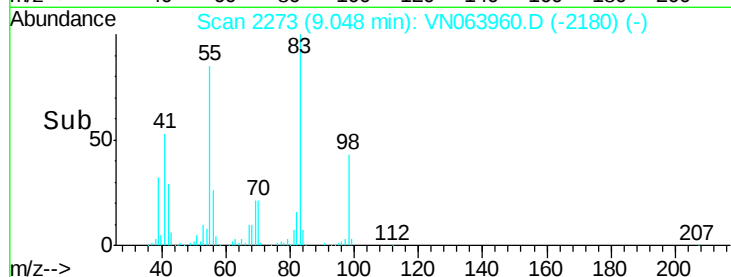
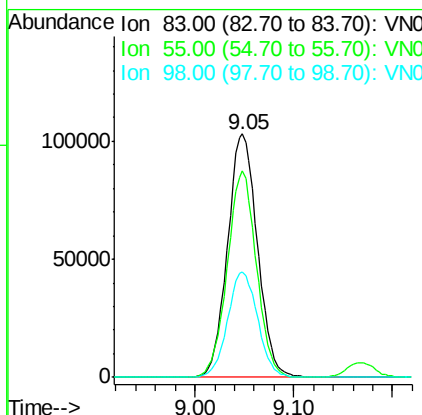
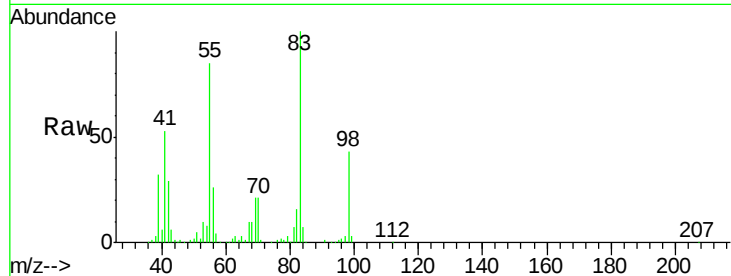
#39
Methvlcvclohexane
Concen: 47.055 ug/l
RT: 9.05 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN063960.D
Acq: 7 Oct 2020 22:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	84.6	67.1	100.7
98	43.5	36.6	54.8

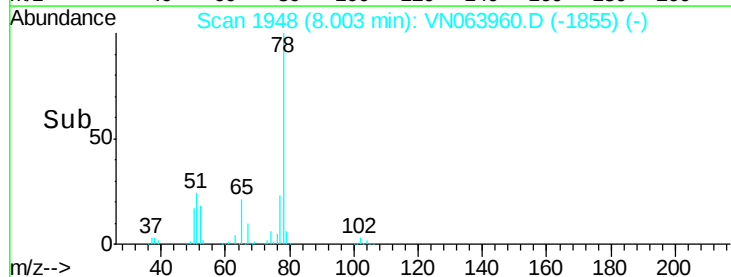
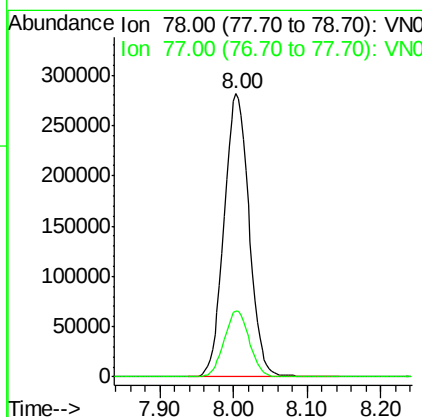
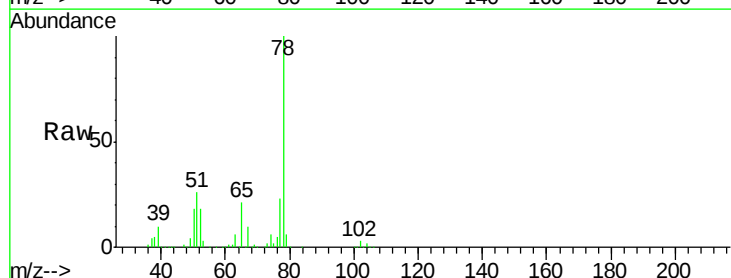
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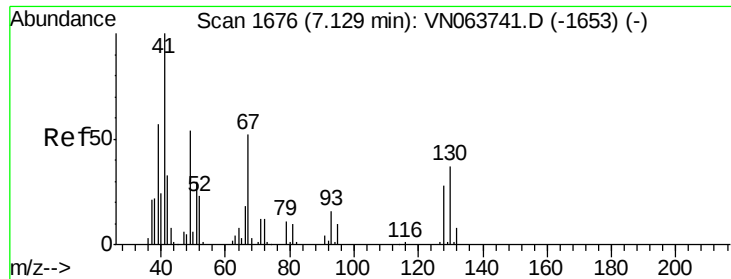
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#40
Benzene
Concen: 49.990 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN063960.D
Acq: 7 Oct 2020 22:54

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.7	28.1





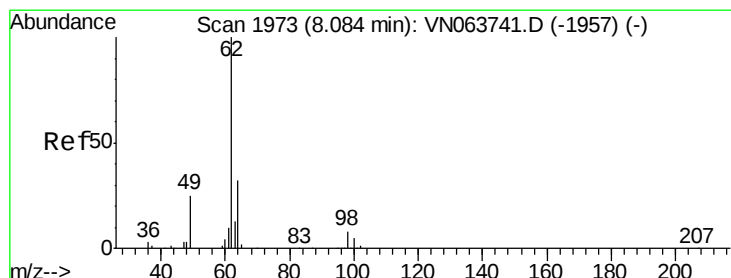
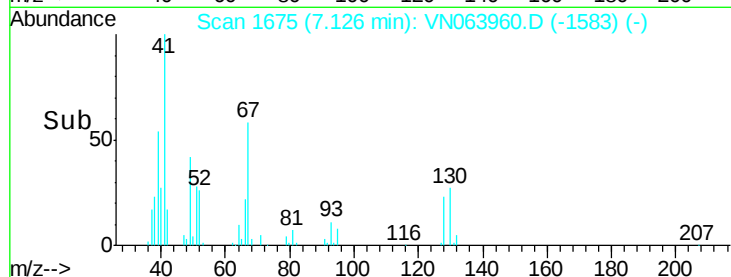
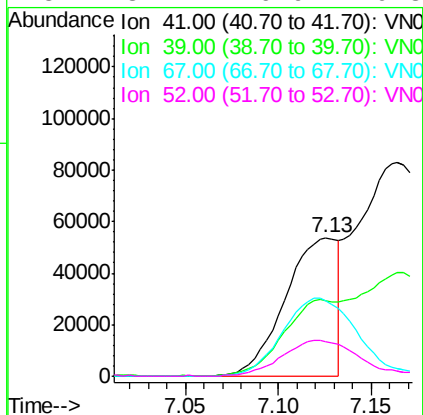
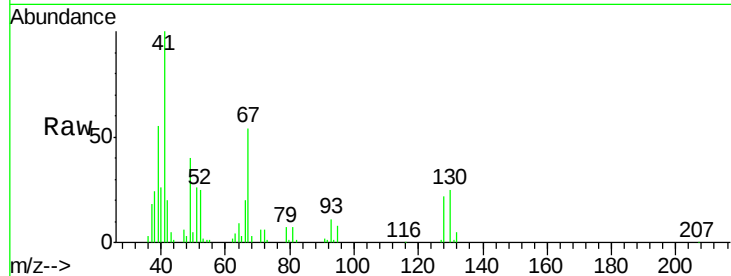
#41
Methacrylonitrile
Concen: 51.737 ug/l
RT: 7.13 min Scan# 1675
Delta R.T. -0.00 min
Lab File: VN063960.D
Acq: 7 Oct 2020 22:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	50.9	42.5	63.7	
67	80.4	57.4	86.2	
52	37.1	26.9	40.3	

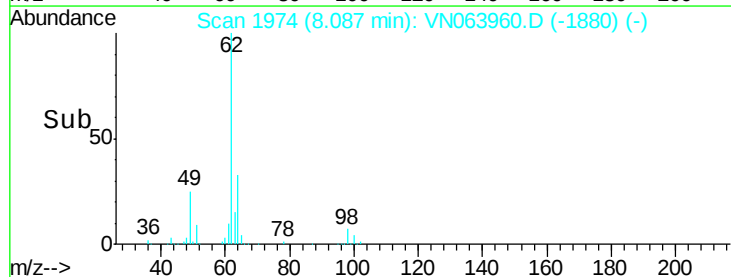
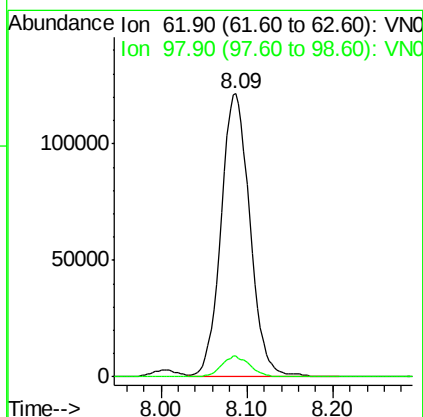
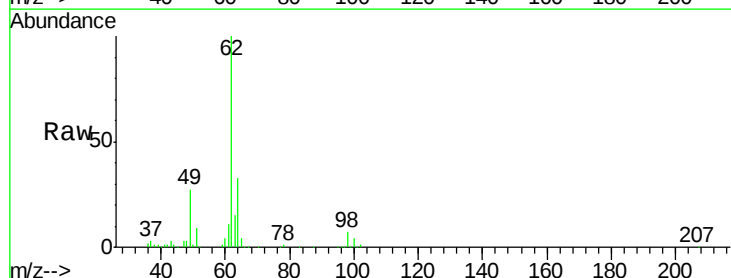
Manual Integrations
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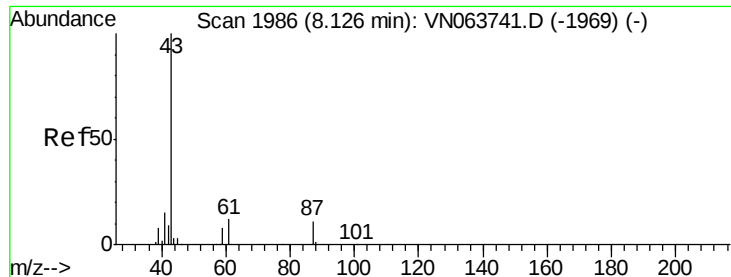
MMDadoda
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#42
1,2-Dichloroethane
Concen: 49.829 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. 0.00 min
Lab File: VN063960.D
Acq: 7 Oct 2020 22:54

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	7.2	0.0	15.0	





#43

Isopropyl Acetate

Concen: 53.624 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VN063960.D

Acq: 7 Oct 2020 22:54

Instrument :

MSVOA_N

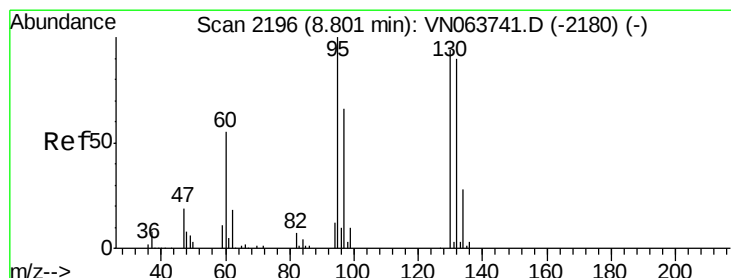
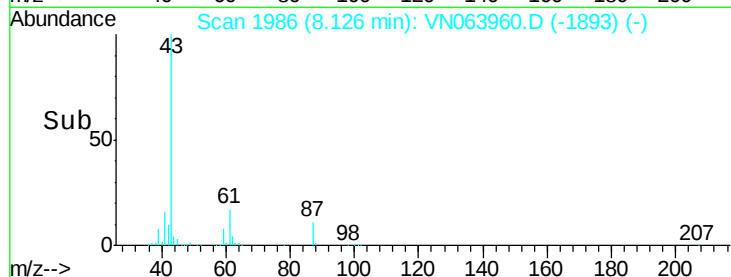
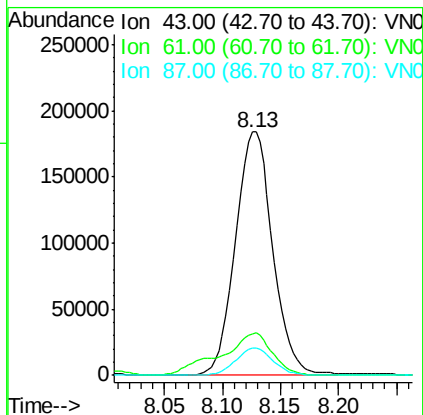
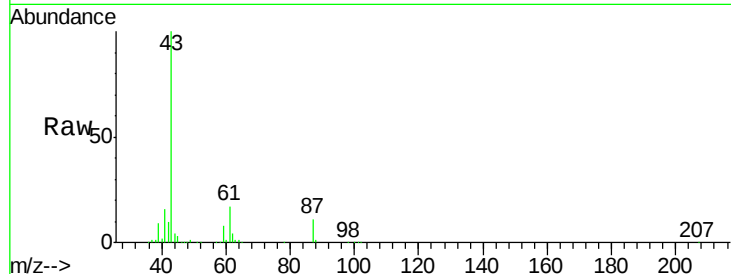
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	408658
Ion	Ratio	Lower	Upper
43	100		
61	24.0	14.2	21.4#
87	11.2	9.0	13.6

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#44

Trichloroethene

Concen: 48.011 ug/l

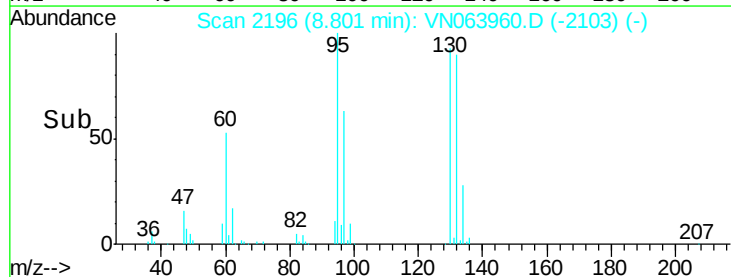
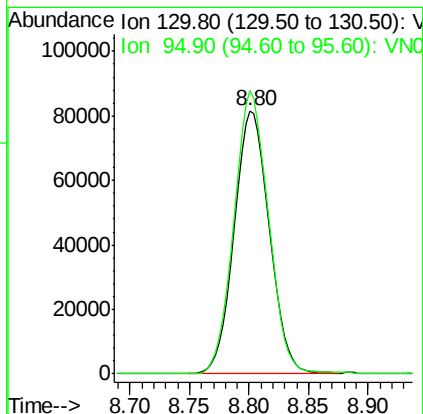
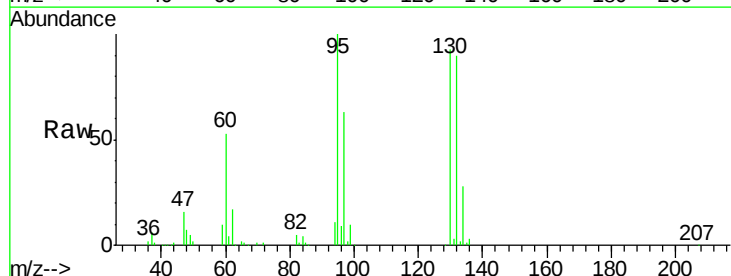
RT: 8.80 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN063960.D

Acq: 7 Oct 2020 22:54

Tgt Ion:	130	Resp:	167089
Ion	Ratio	Lower	Upper
130	100		
95	107.5	0.0	213.6





#45

1,2-Dichloropropane

Concen: 52.692 ug/l

RT: 9.08 min Scan# 2284

Delta R.T. 0.00 min

Lab File: VN063960.D

Acq: 7 Oct 2020 22:54

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 63 Resp: 189017

Ion Ratio Lower Upper

63 100

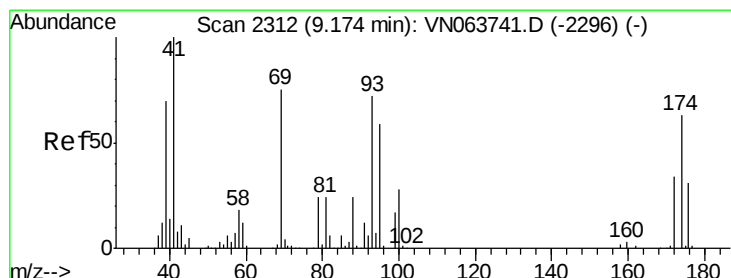
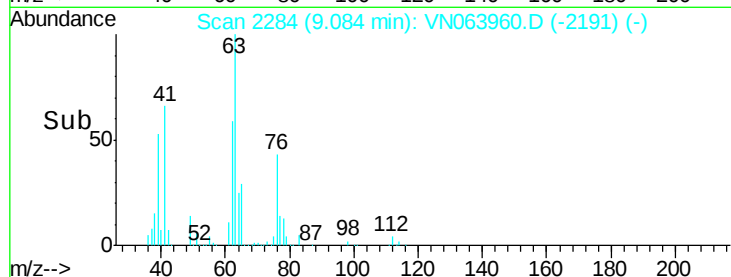
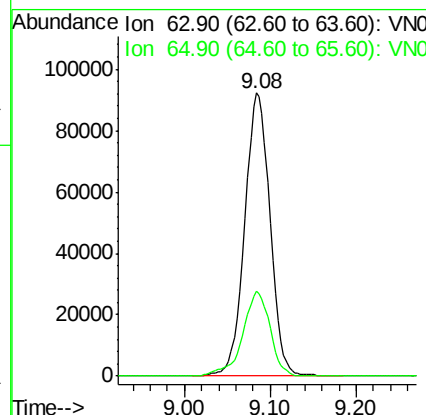
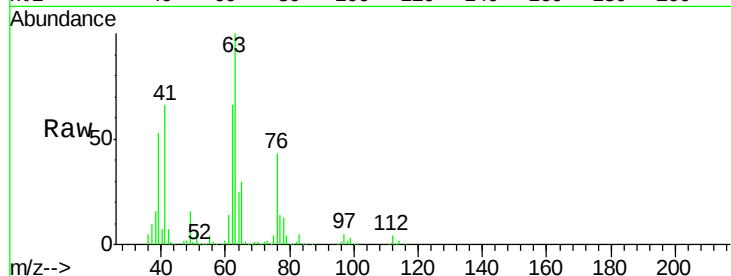
65 29.8 24.7 37.1

Manual Integrations

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#46

Dibromomethane

Concen: 49.945 ug/l

RT: 9.18 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN063960.D

Acq: 7 Oct 2020 22:54

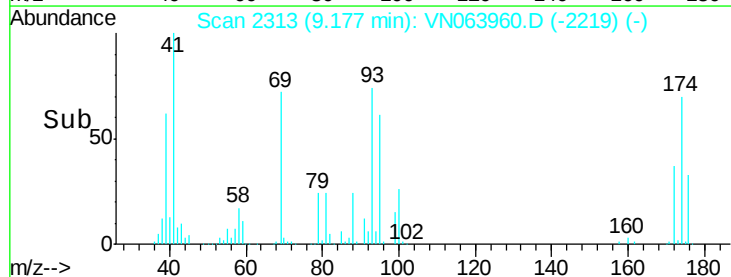
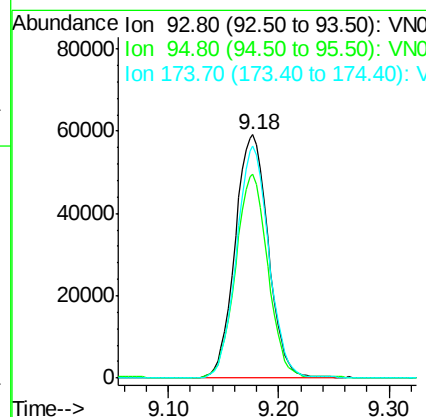
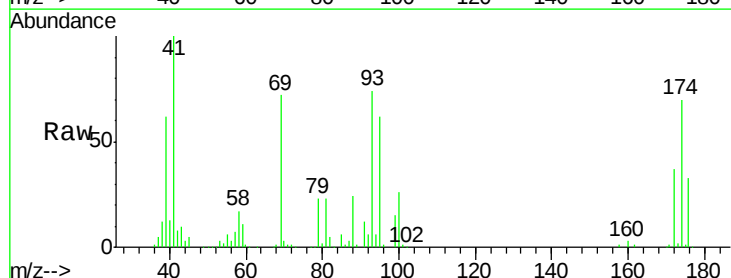
Tgt Ion: 93 Resp: 123596

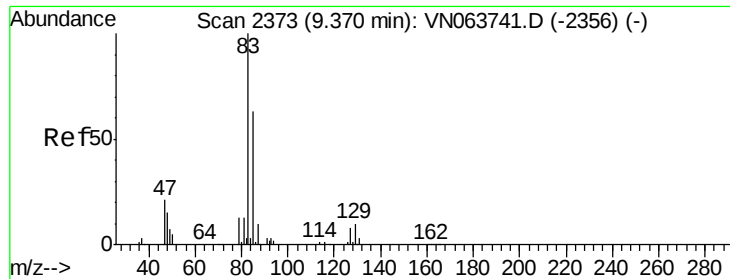
Ion Ratio Lower Upper

93 100

95 81.3 66.3 99.5

174 92.5 72.7 109.1





#47

Bromodichloromethane

Concen: 51.838 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN063960.D

Acq: 7 Oct 2020 22:54

Instrument :

MSVOA_N

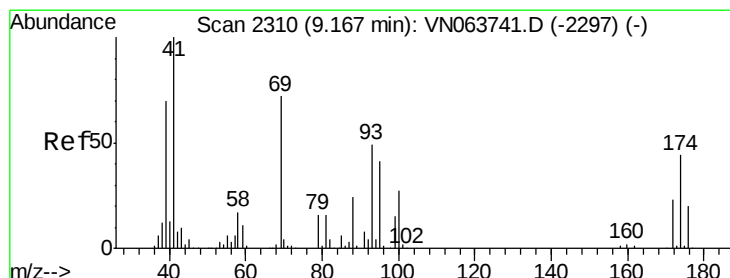
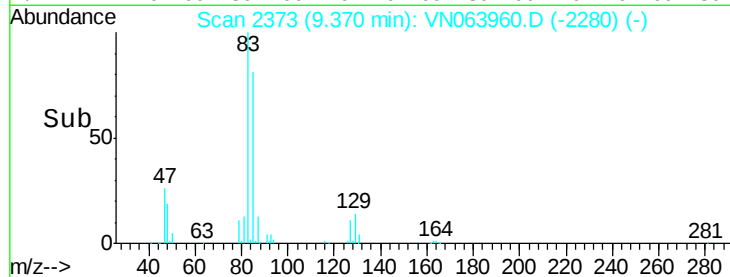
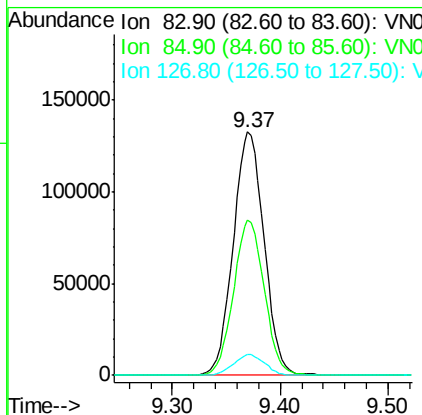
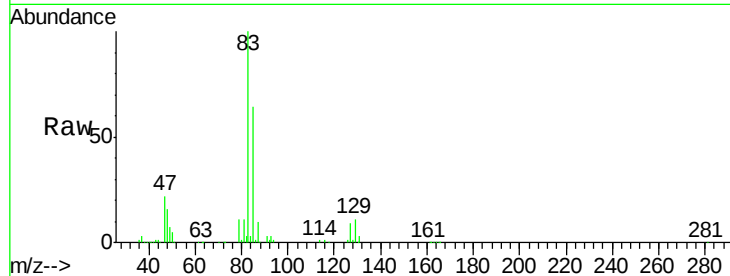
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	264376
Ion	Ratio	Lower	Upper
83	100		
85	64.0	50.6	75.8
127	8.6	6.6	9.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 53.426 ug/l

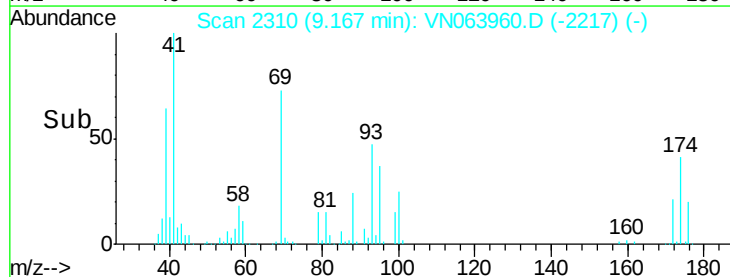
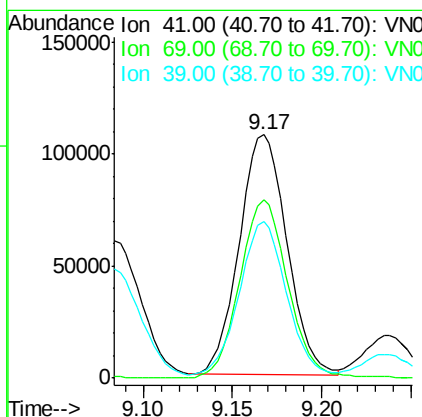
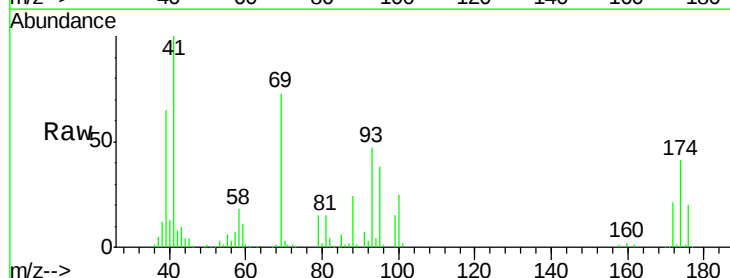
RT: 9.17 min Scan# 2310

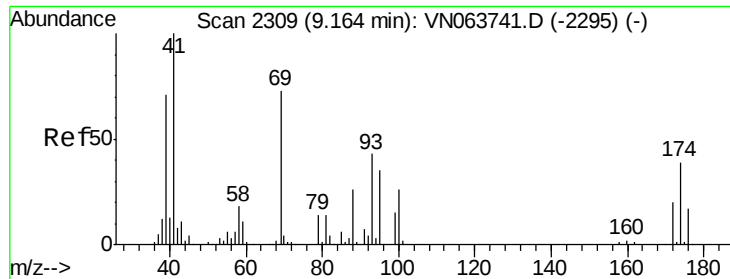
Delta R.T. 0.00 min

Lab File: VN063960.D

Acq: 7 Oct 2020 22:54

Tgt Ion:	41	Resp:	201156
Ion	Ratio	Lower	Upper
41	100		
69	74.8	60.9	91.3
39	65.0	57.5	86.3





#49

1,4-Dioxane

Concen: 1005.627 ug/l

RT: 9.17 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN063960.D

Acq: 7 Oct 2020 22:54

Instrument :

MSVOA_N

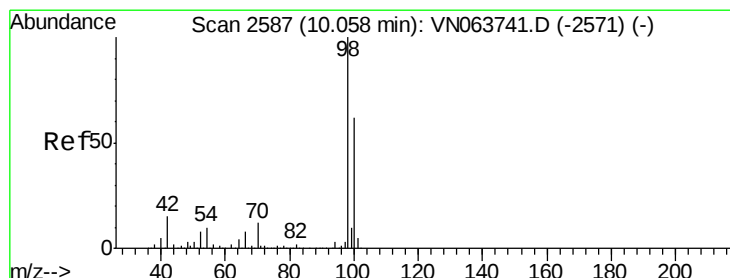
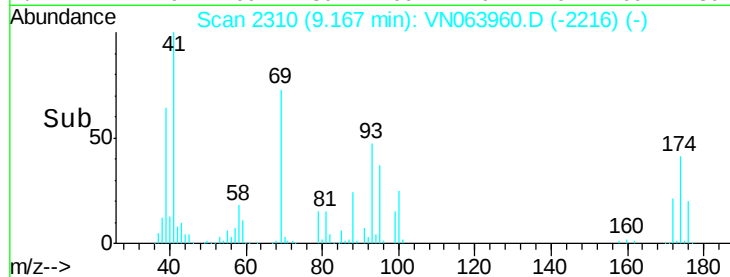
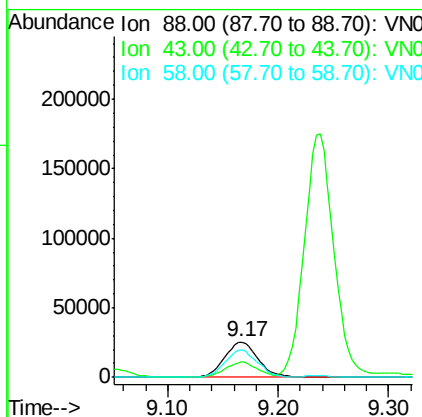
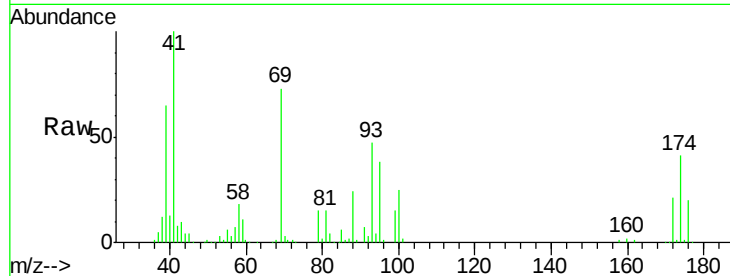
ClientSampled :

VSTDCCC050

Tot Ion:	88	Resp:	53812
Ion Ratio	Lower	Upper	
88	100		
43	39.9	33.1	49.7
58	75.1	58.9	88.3

Manual Integrations
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#50

Toluene-d8

Concen: 47.192 ug/l

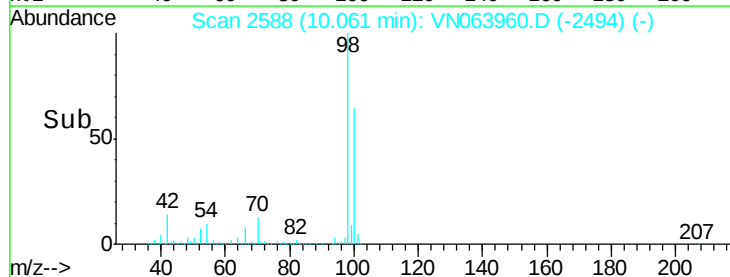
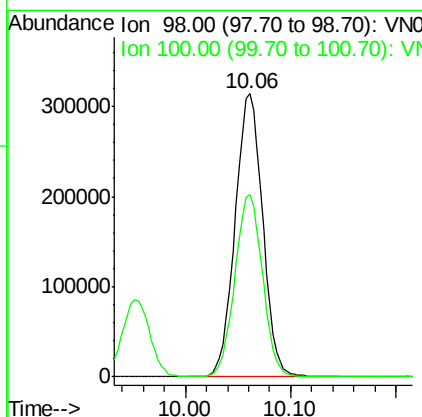
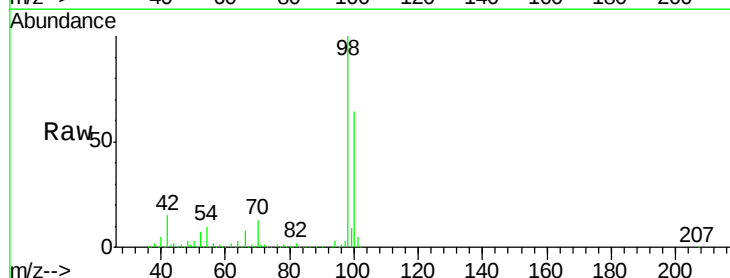
RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063960.D

Acq: 7 Oct 2020 22:54

Tgt Ion:	98	Resp:	569805
Ion Ratio	Lower	Upper	
98	100		
100	64.2	49.8	74.6





#51

4-Methyl-2-Pentanone

Concen: 280.685 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN063960.D

Acq: 7 Oct 2020 22:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1255282

Ion Ratio Lower Upper

43 100

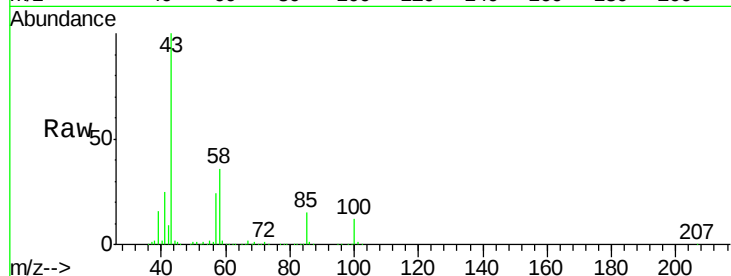
58 35.4 28.4 42.6

Manual Integrations

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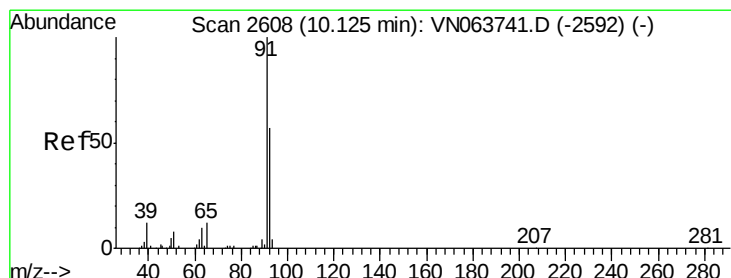
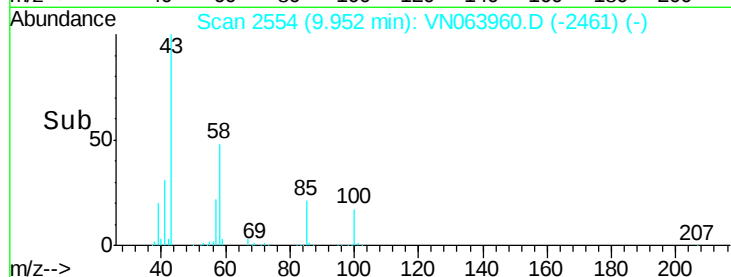
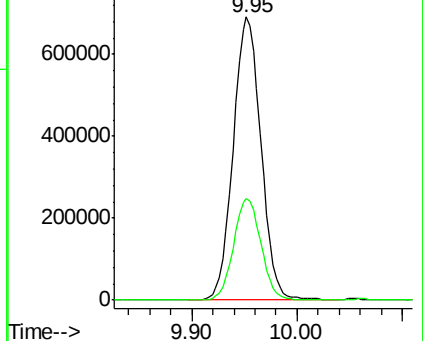
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 51.315 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN063960.D

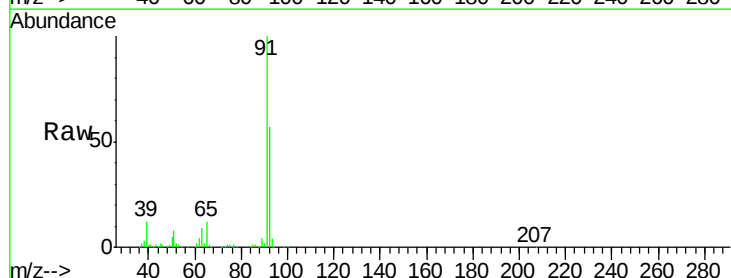
Acq: 7 Oct 2020 22:54

Tgt Ion: 92 Resp: 421592

Ion Ratio Lower Upper

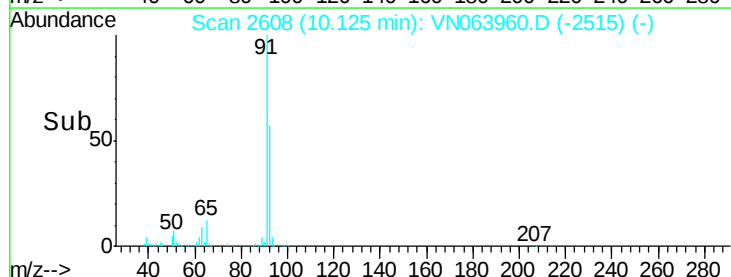
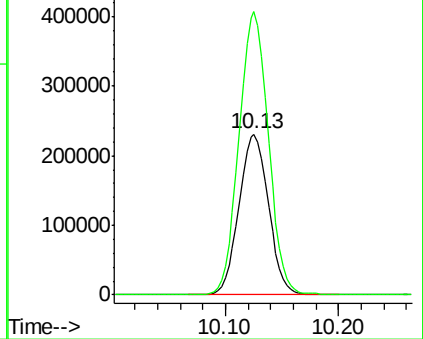
92 100

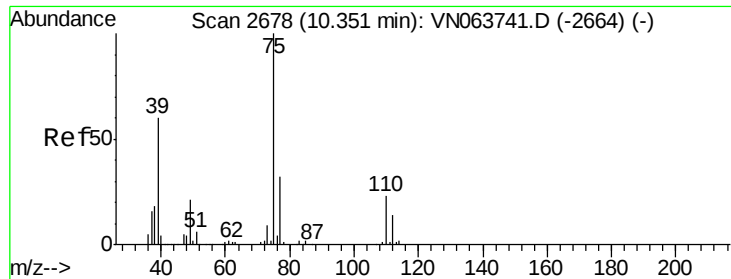
91 175.2 140.6 210.8



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





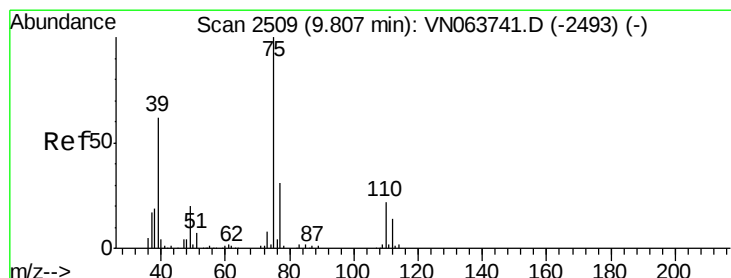
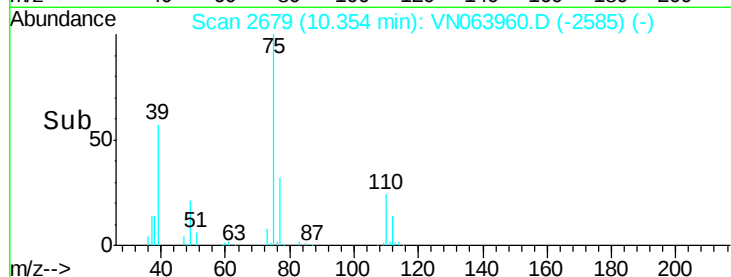
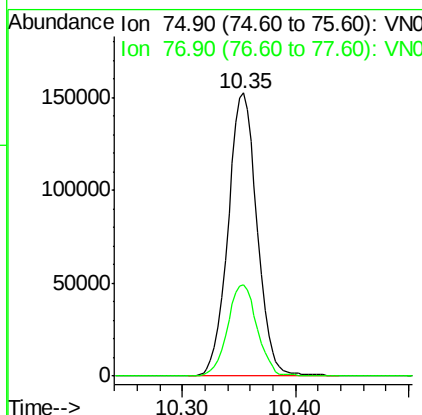
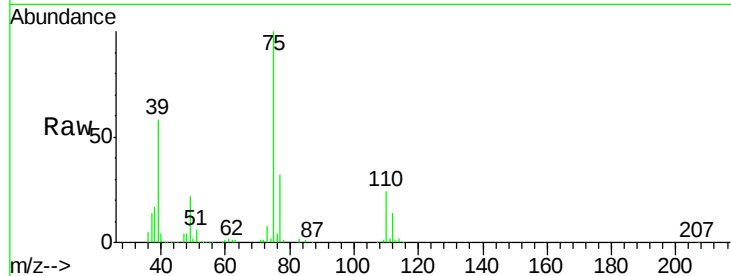
#53
t-1,3-Dichloropropene
Concen: 49.799 ug/l
RT: 10.35 min Scan# 2679
Delta R.T. 0.00 min
Lab File: VN063960.D
Acq: 7 Oct 2020 22:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 272249
Ion Ratio Lower Upper
75 100
77 32.4 25.3 37.9

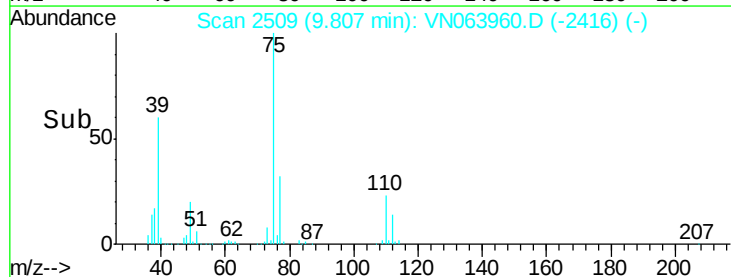
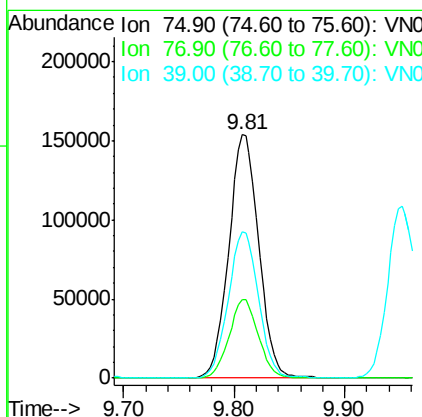
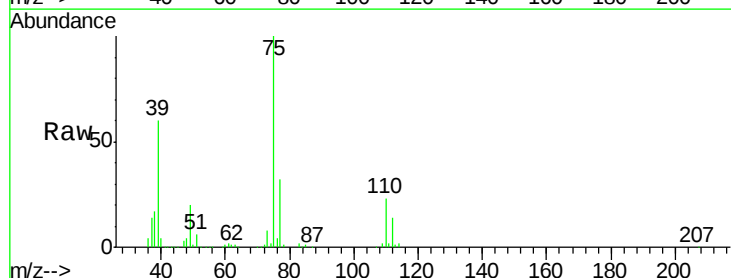
Manual Integrations
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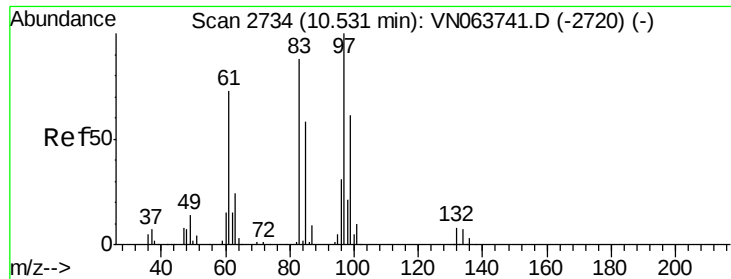
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 50.657 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN063960.D
Acq: 7 Oct 2020 22:54

Tgt Ion: 75 Resp: 289630
Ion Ratio Lower Upper
75 100
77 32.5 24.6 36.8
39 59.6 49.7 74.5





#55

1,1,2-Trichloroethane

Concen: 52.056 ug/l

RT: 10.53 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN063960.D

Acq: 7 Oct 2020 22:54

Instrument :

MSVOA_N

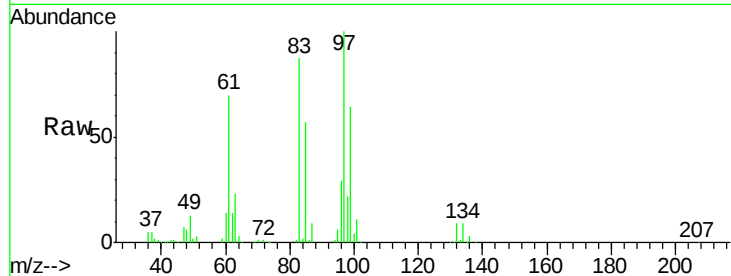
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	171514
Ion	Ratio	Lower	Upper
97	100		
83	87.2	70.7	106.1
85	57.0	46.1	69.1
99	64.5	48.8	73.2

Manual Integrations
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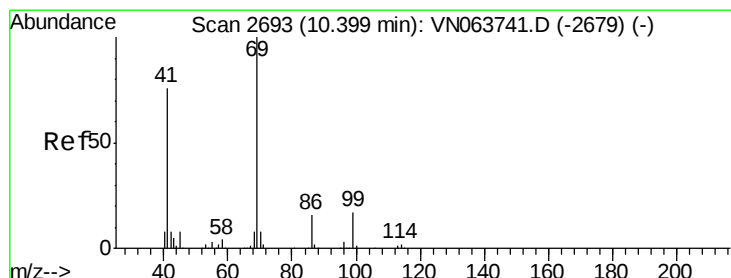
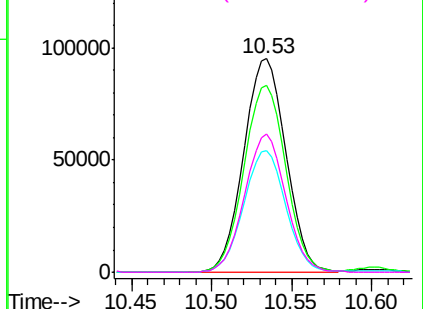
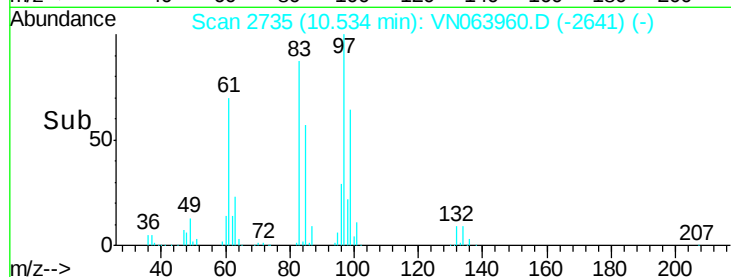


Abundance Ion 96.90 (96.60 to 97.60): VN063960.D (-2641) (-)

Ion 82.90 (82.60 to 83.60): VN063960.D (-2641) (-)

Ion 84.90 (84.60 to 85.60): VN063960.D (-2641) (-)

Ion 98.90 (98.60 to 99.60): VN063960.D (-2641) (-)



#56

Ethyl methacrylate

Concen: 54.973 ug/l

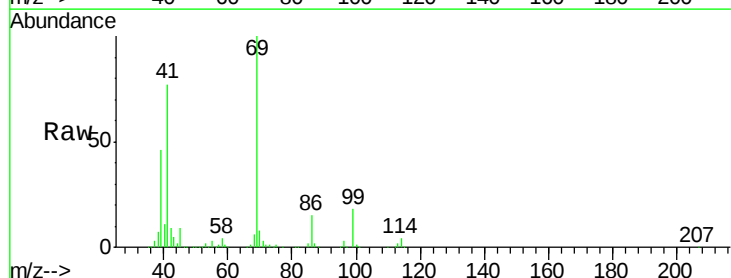
RT: 10.40 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VN063960.D

Acq: 7 Oct 2020 22:54

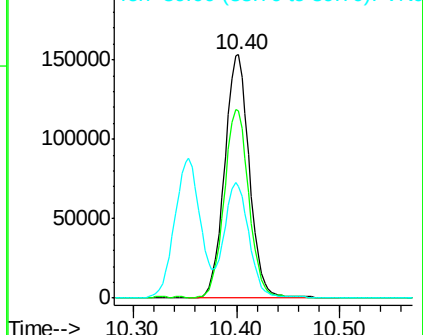
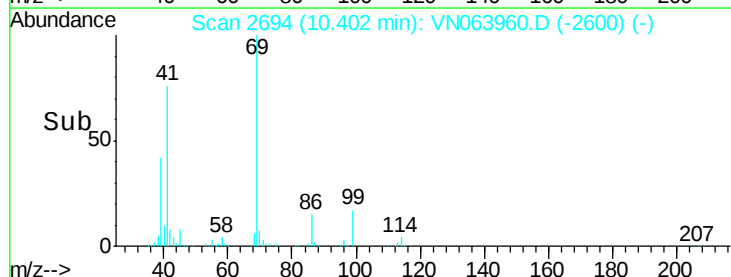
Tgt Ion:	69	Resp:	256735
Ion	Ratio	Lower	Upper
69	100		
41	76.4	61.1	91.7
39	47.3	42.2	63.4

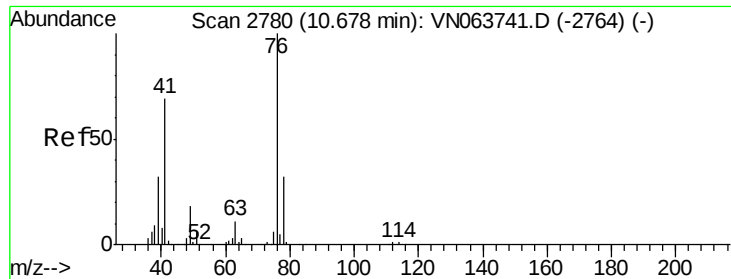


Abundance Ion 69.00 (68.70 to 69.70): VN063960.D (-2600) (-)

Ion 41.00 (40.70 to 41.70): VN063960.D (-2600) (-)

Ion 39.00 (38.70 to 39.70): VN063960.D (-2600) (-)





#57

1,3-Dichloropropane

Concen: 52.274 ug/l

RT: 10.68 min Scan# 2780

Delta R.T. 0.00 min

Lab File: VN063960.D

Acq: 7 Oct 2020 22:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 291385

Ion Ratio Lower Upper

76 100

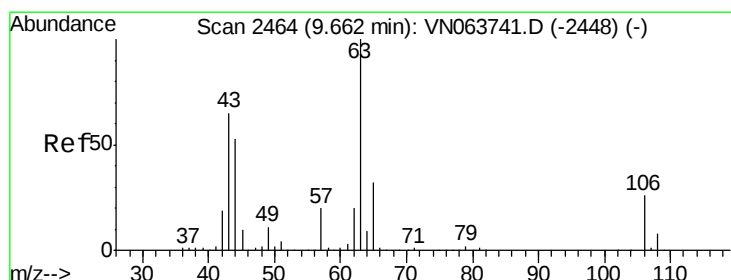
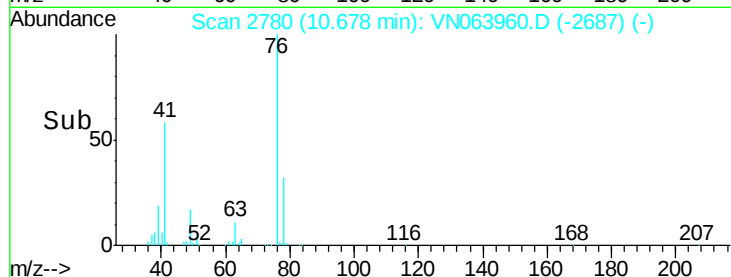
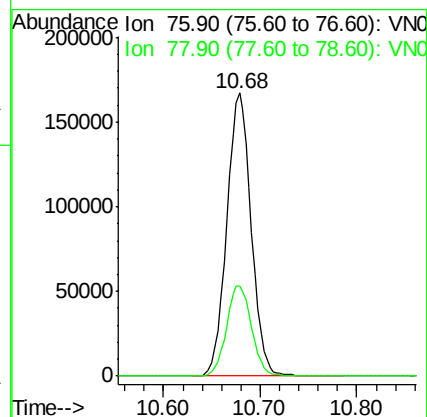
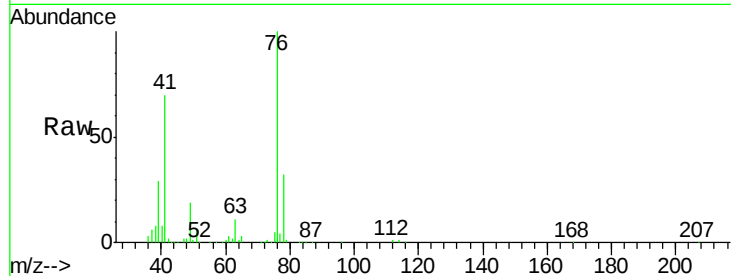
78 32.8 25.2 37.8

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#58

2-Chloroethyl Vinyl ether

Concen: 269.935 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN063960.D

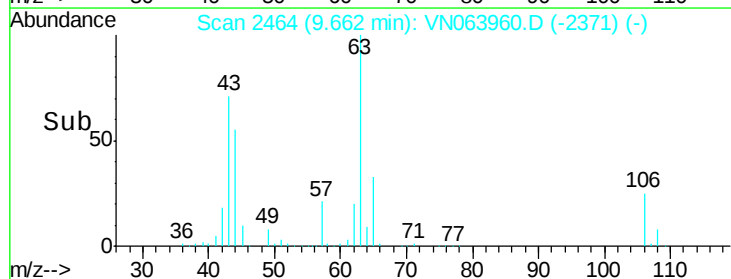
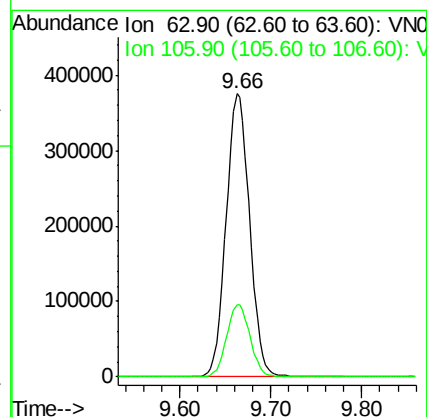
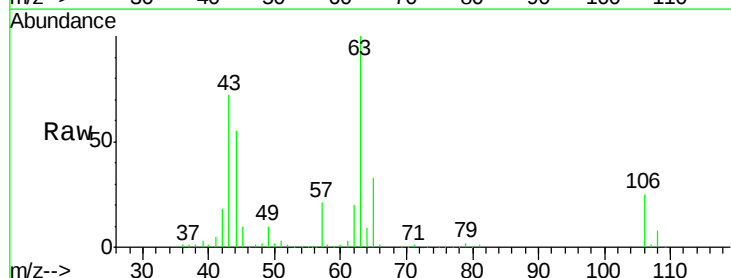
Acq: 7 Oct 2020 22:54

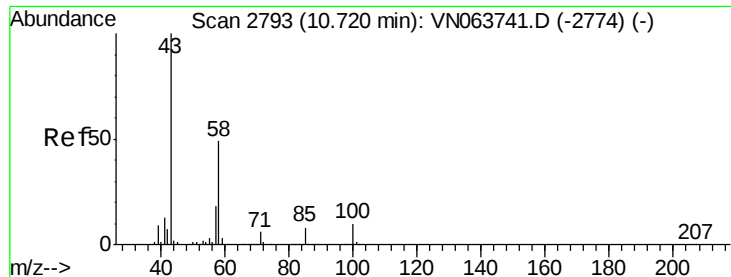
Tgt Ion: 63 Resp: 674337

Ion Ratio Lower Upper

63 100

106 25.5 20.7 31.1





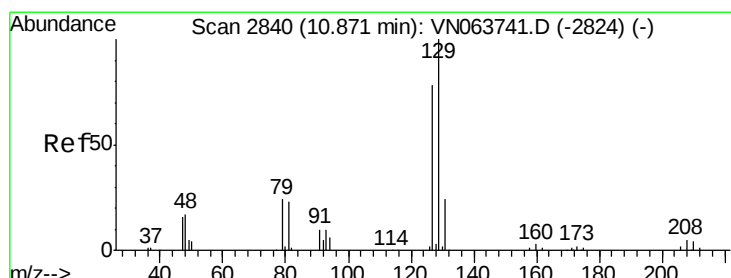
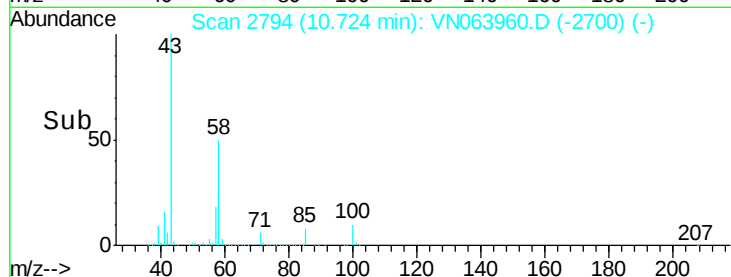
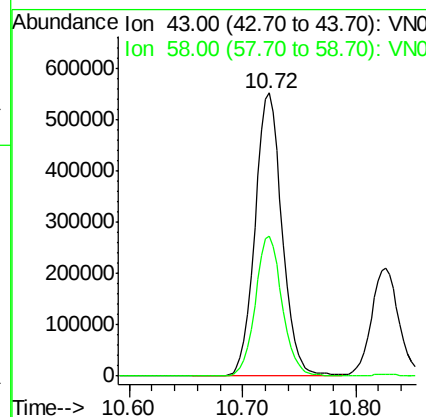
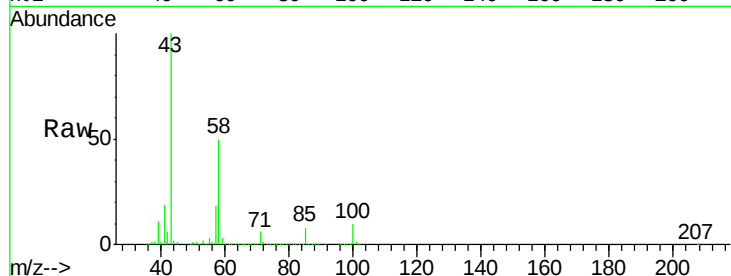
#59
2-Hexanone
Concen: 276.019 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN063960.D
Acq: 7 Oct 2020 22:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 917002
Ion Ratio Lower Upper
43 100
58 49.2 24.6 73.8

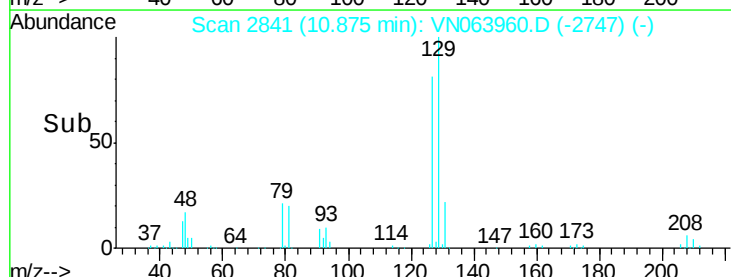
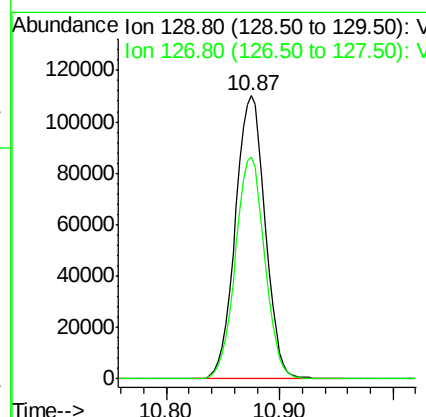
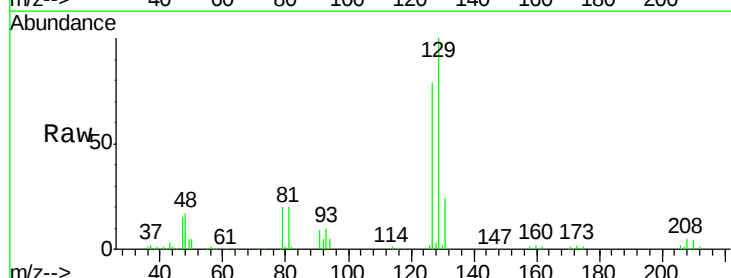
Manual Integrations
APPROVED

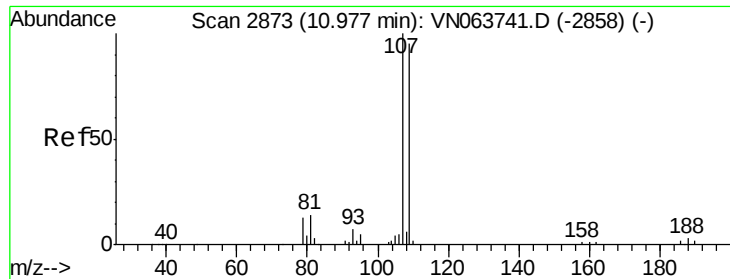
MMDadoda
10/8/2020 10:09:27 AM



#60
Dibromochloromethane
Concen: 52.762 ug/l
RT: 10.87 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VN063960.D
Acq: 7 Oct 2020 22:54

Tgt Ion: 129 Resp: 202451
Ion Ratio Lower Upper
129 100
127 77.2 38.9 116.7





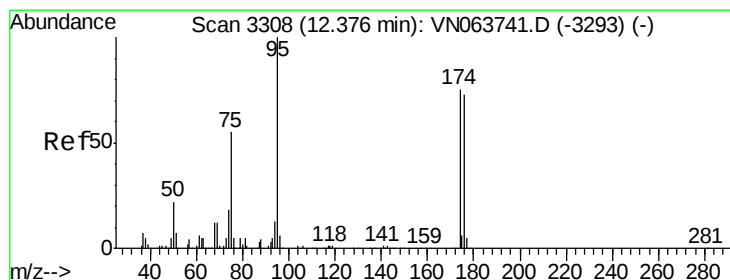
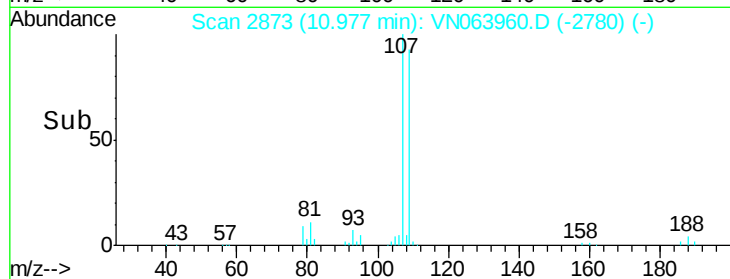
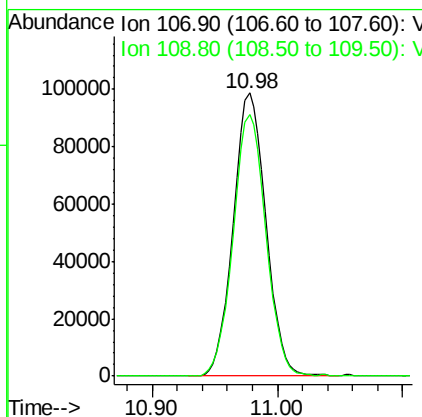
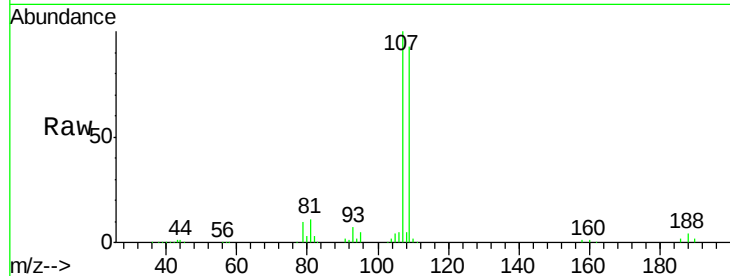
#61
 1,2-Dibromoethane
 Concen: 52.932 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN063960.D
 Acq: 7 Oct 2020 22:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.9	74.8	112.2

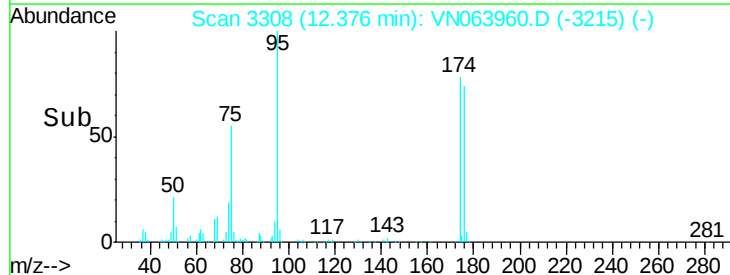
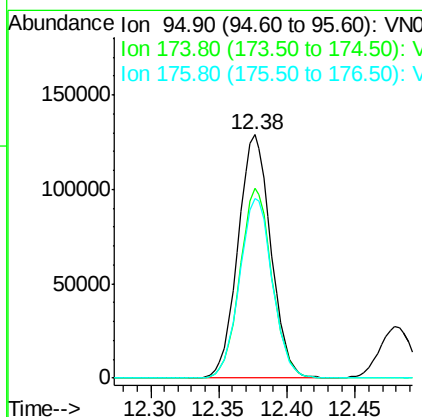
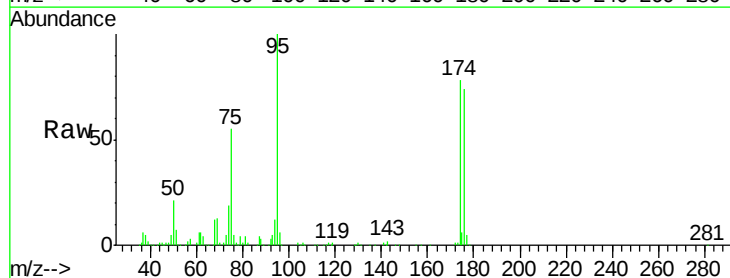
Manual Integrations
 APPROVED

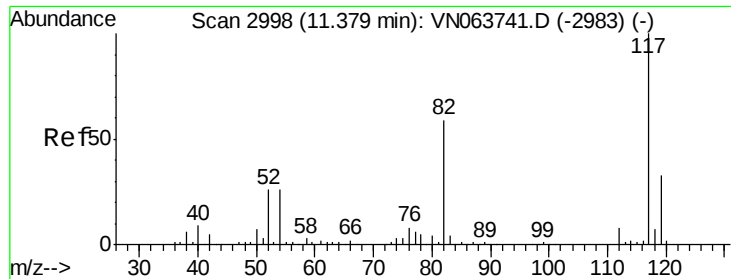
MMDadoda
 10/8/2020 10:09:27 AM



#62
 4-Bromofluorobenzene
 Concen: 47.587 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.00 min
 Lab File: VN063960.D
 Acq: 7 Oct 2020 22:54

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.0	0.0	150.6
176	73.8	0.0	145.4





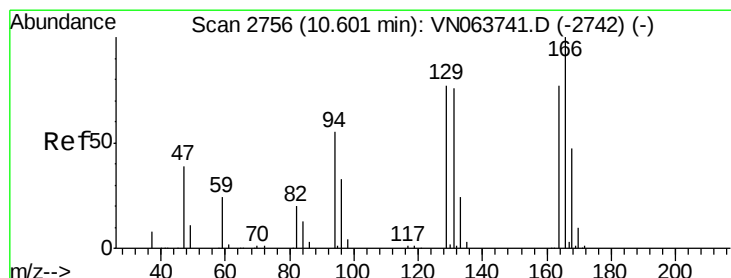
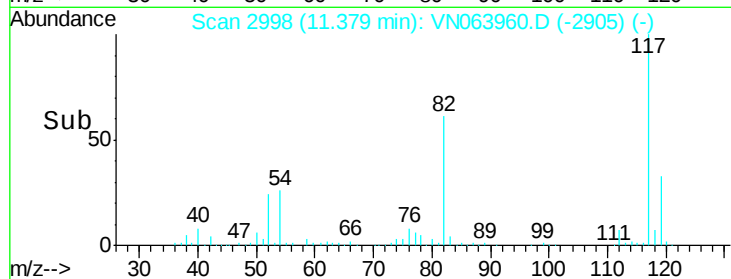
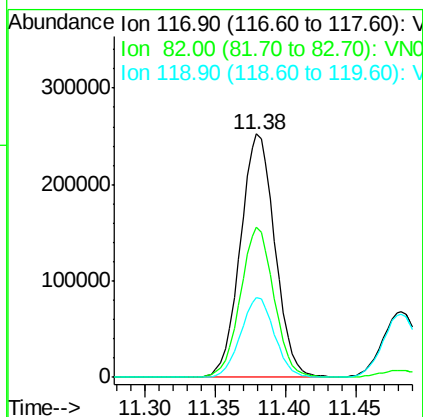
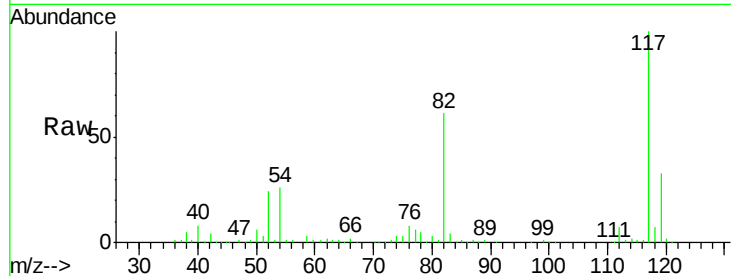
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN063960.D
Acq: 7 Oct 2020 22:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.4	47.4	71.2
119	32.6	26.4	39.6

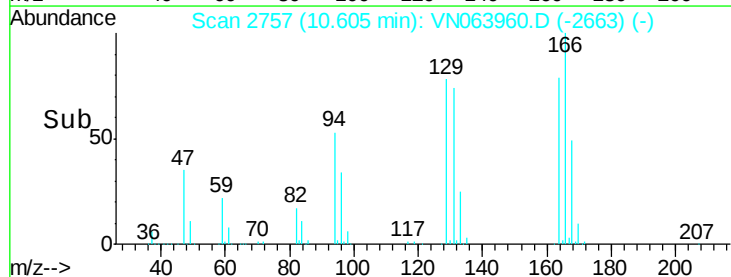
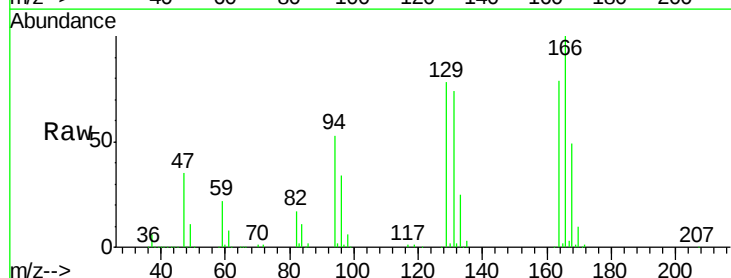
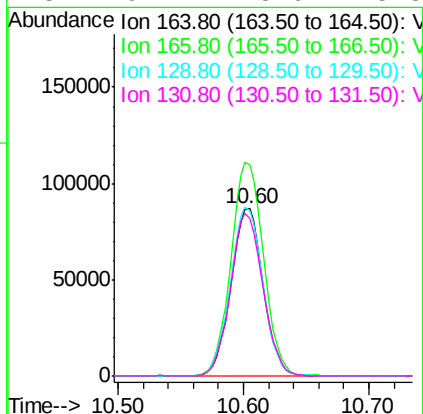
Manual Integrations
APPROVED

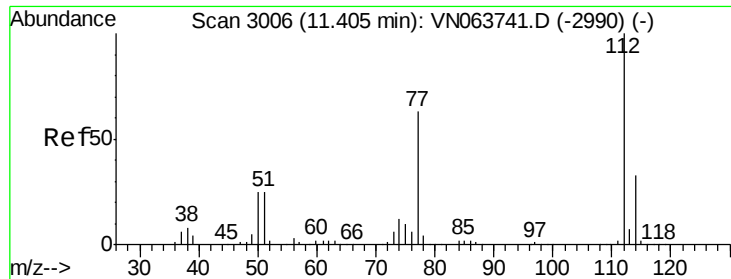
MMDadoda
10/8/2020 10:09:27 AM



#64
Tetrachloroethene
Concen: 46.140 ug/l
RT: 10.60 min Scan# 2757
Delta R.T. 0.00 min
Lab File: VN063960.D
Acq: 7 Oct 2020 22:54

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.4	103.9	155.9
129	99.0	80.3	120.5
131	94.1	78.9	118.3





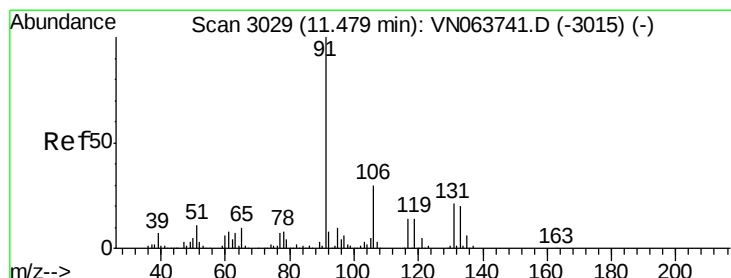
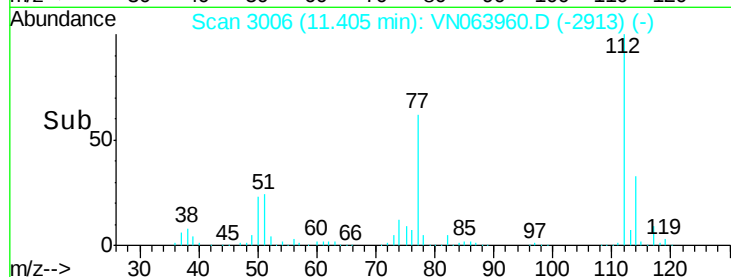
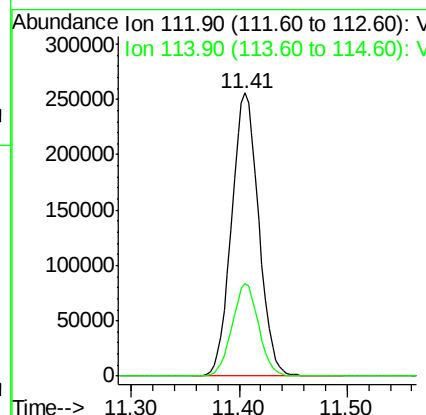
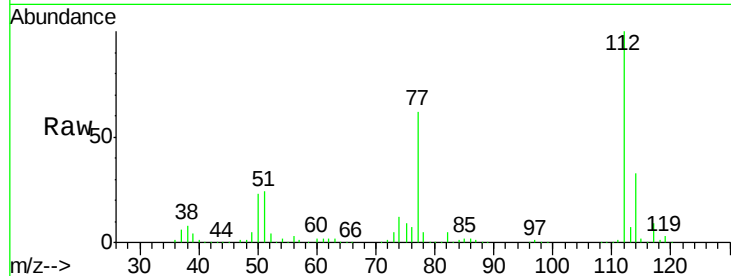
#65
Chlorobenzene
Concen: 50.454 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN063960.D
Acq: 7 Oct 2020 22:54

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion:112 Resp: 448383
Ion Ratio Lower Upper
112 100
114 32.5 26.1 39.1

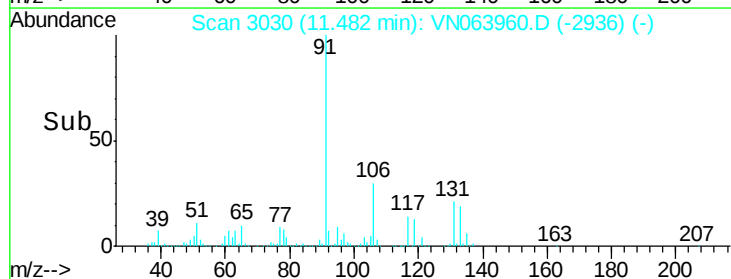
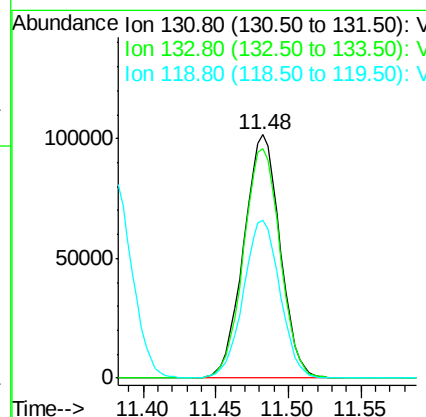
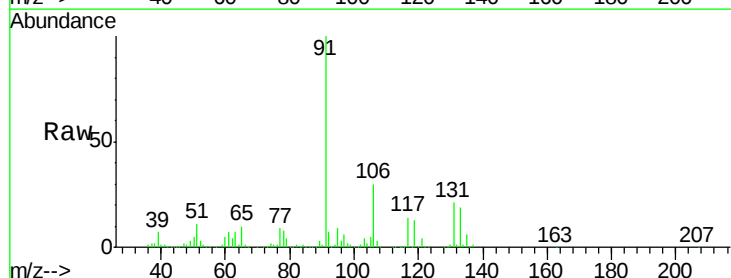
Manual Integrations
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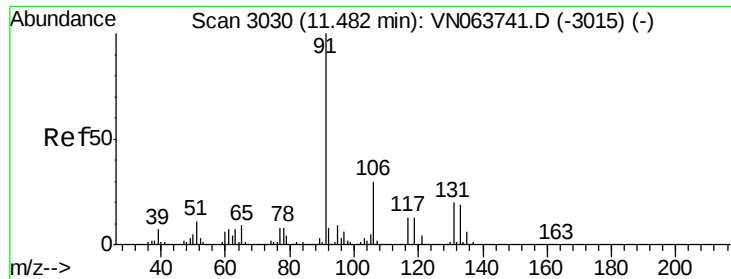
MMDadoda
10/8/2020 10:09:27 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 52.079 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN063960.D
Acq: 7 Oct 2020 22:54

Tgt Ion:131 Resp: 177435
Ion Ratio Lower Upper
131 100
133 95.0 47.3 141.8
119 65.0 32.6 97.7





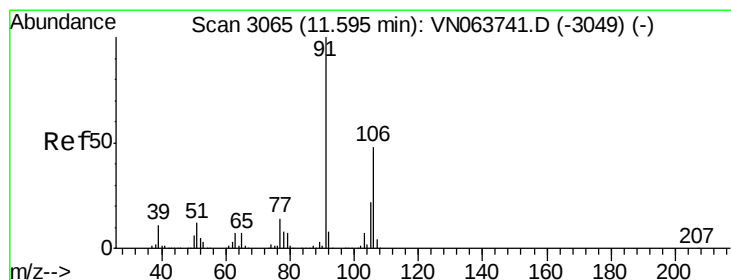
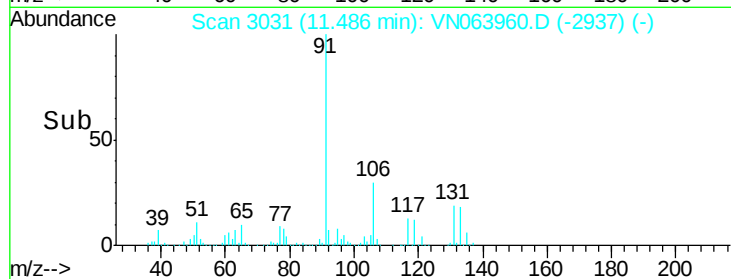
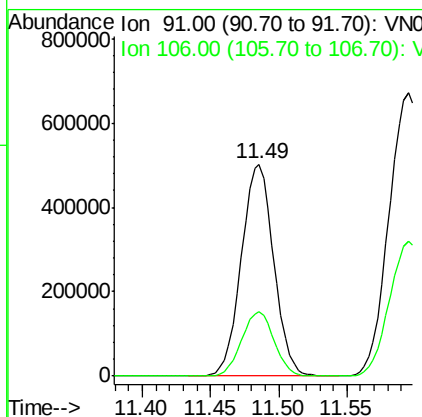
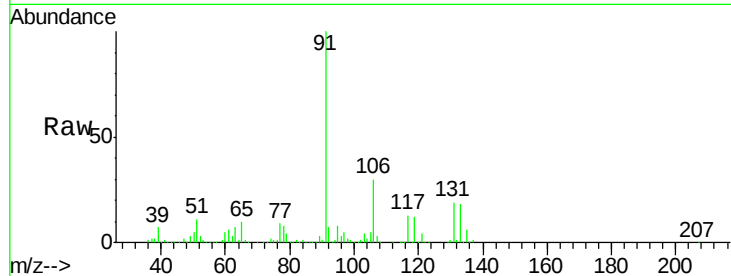
#67
Ethyl Benzene
Concen: 51.150 ug/l
RT: 11.49 min Scan# 3031
Delta R.T. 0.00 min
Lab File: VN063960.D
Acq: 7 Oct 2020 22:54

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 827153
Ion Ratio Lower Upper
91 100
106 30.4 24.2 36.2

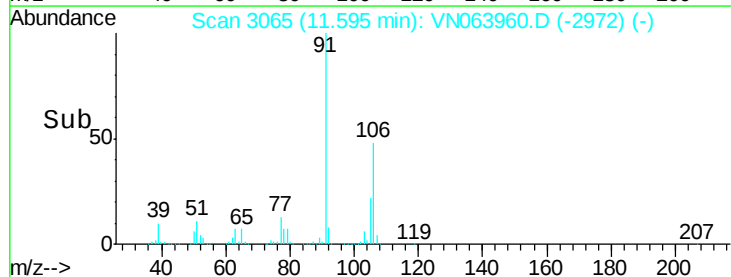
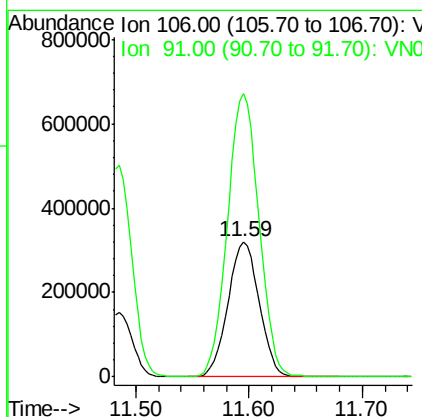
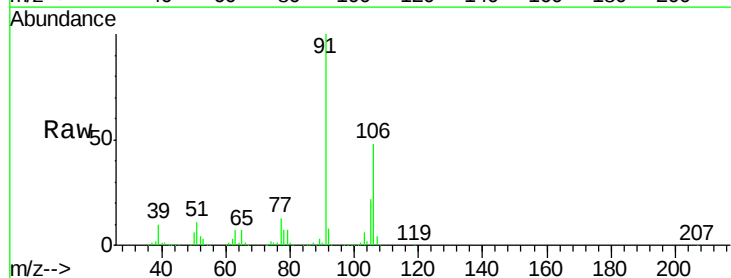
Manual Integrations
APPROVED

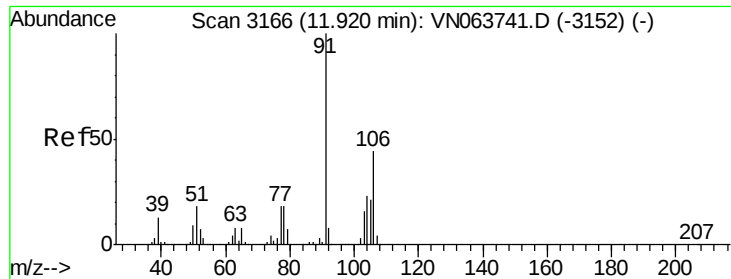
MMDadoda
10/8/2020 10:09:27 AM



#68
m/p-Xylenes
Concen: 101.914 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. 0.00 min
Lab File: VN063960.D
Acq: 7 Oct 2020 22:54

Tgt Ion: 106 Resp: 614229
Ion Ratio Lower Upper
106 100
91 211.3 168.0 252.0





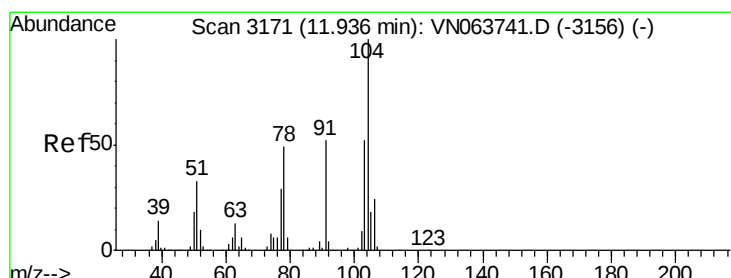
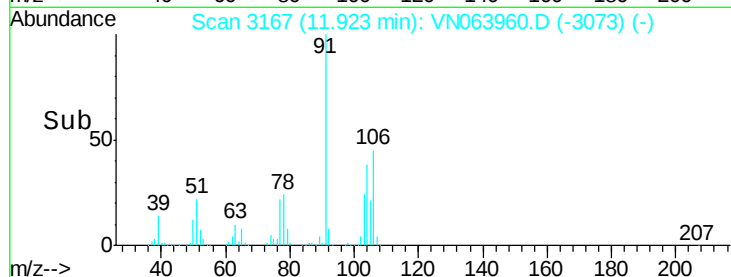
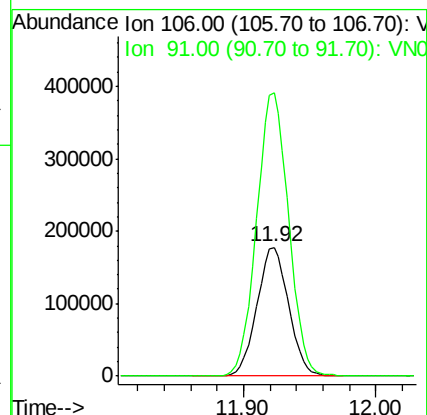
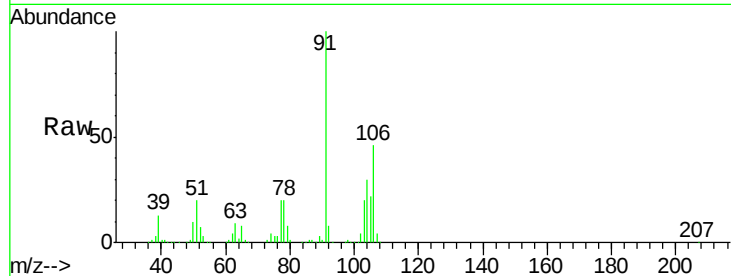
#69
o-Xylene
Concen: 52.144 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN063960.D
Acq: 7 Oct 2020 22:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		293737		
91	222.6	112.7	338.0		

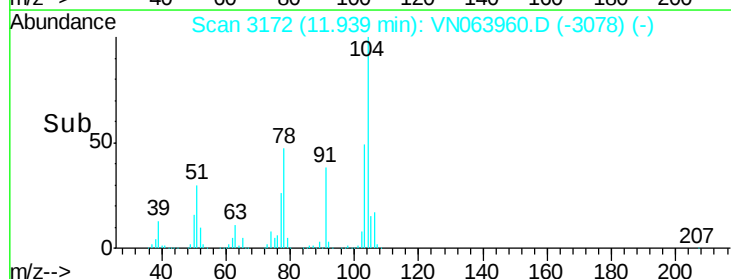
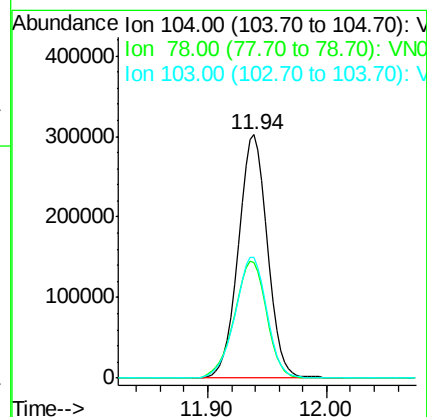
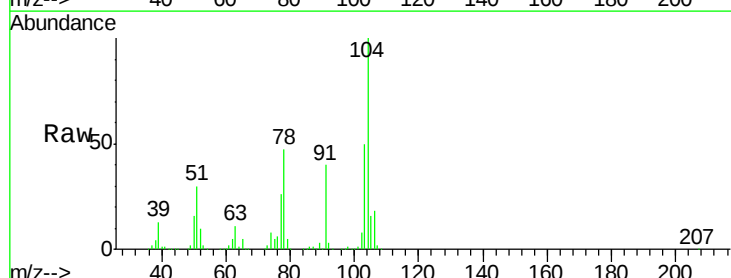
Manual Integrations
APPROVED

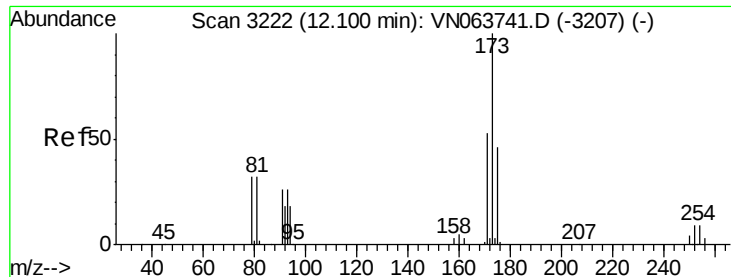
MMDadoda
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#70
Styrene
Concen: 53.502 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. 0.00 min
Lab File: VN063960.D
Acq: 7 Oct 2020 22:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		511596		
78	53.2	44.1	66.1		
103	54.3	44.3	66.5		





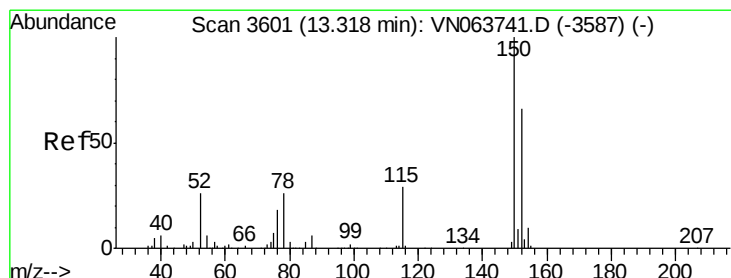
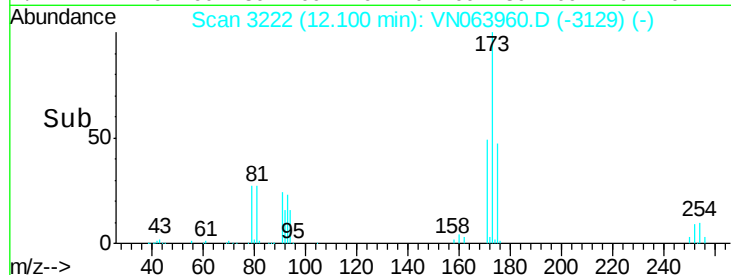
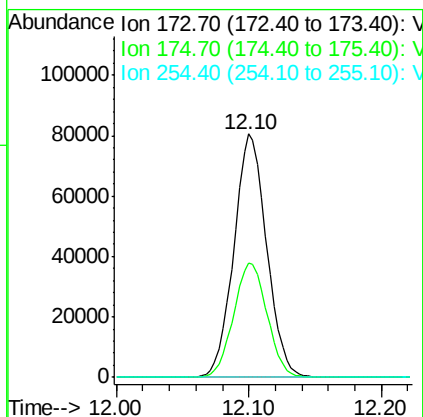
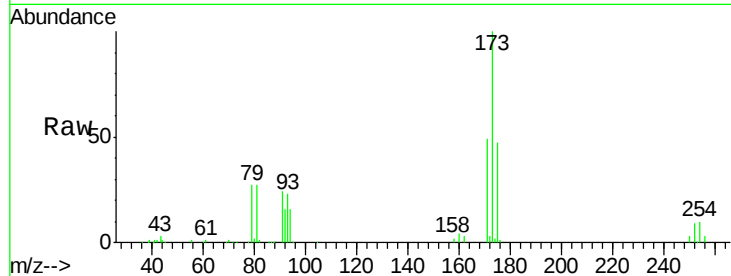
#71
Bromoform
Concen: 52.828 ug/l
RT: 12.10 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN063960.D
Acq: 7 Oct 2020 22:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.0	23.5	70.5
254	0.1	0.0	0.0

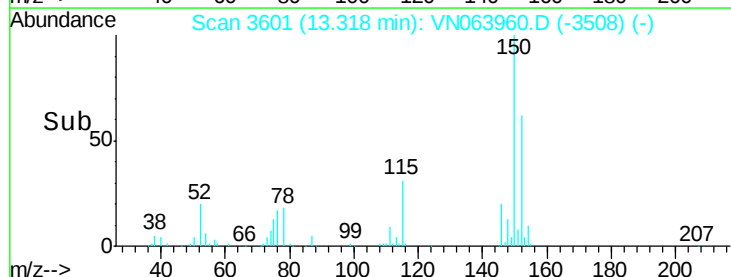
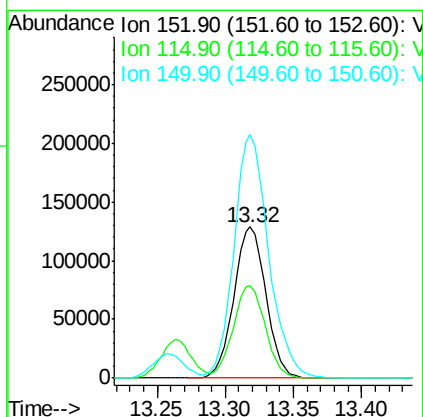
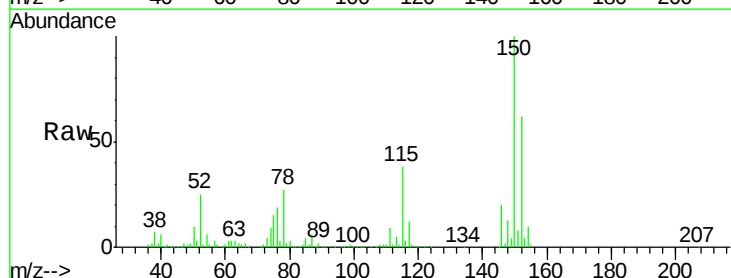
Manual Integrations
APPROVED

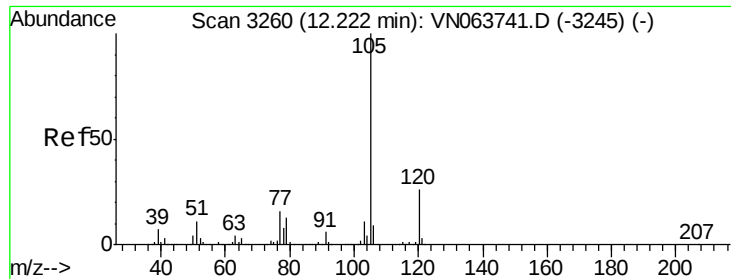
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN063960.D
Acq: 7 Oct 2020 22:54

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.2	31.3	93.8
150	173.8	0.0	341.8





#73

Isopropylbenzene

Concen: 51.293 ug/l

RT: 12.23 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN063960.D

Acq: 7 Oct 2020 22:54

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 105 Resp: 784940

Ion Ratio Lower Upper

105 100

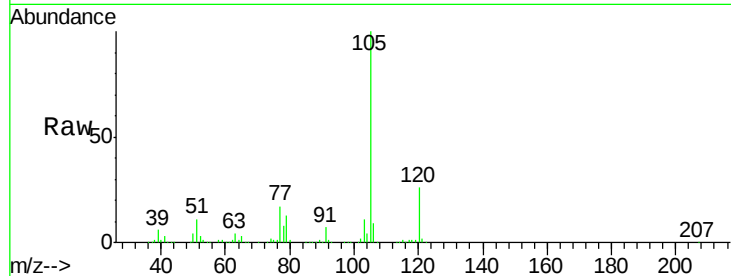
120 25.6 12.6 37.8

Manual Integrations

APPROVED

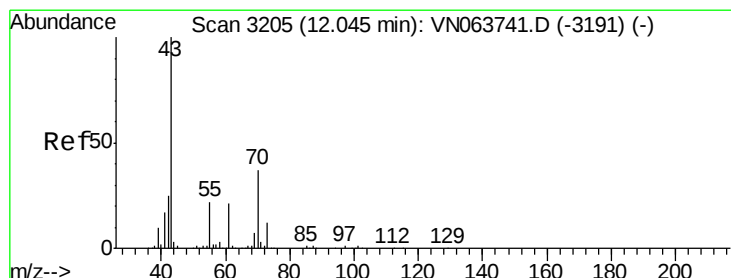
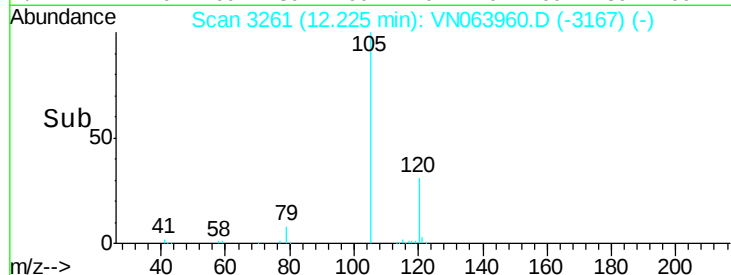
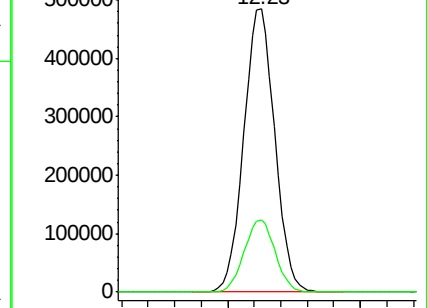
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 51.137 ug/l

RT: 12.04 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN063960.D

Acq: 7 Oct 2020 22:54

Tgt Ion: 43 Resp: 364095

Ion Ratio Lower Upper

43 100

70 36.8 29.8 44.8

55 22.7 17.9 26.9

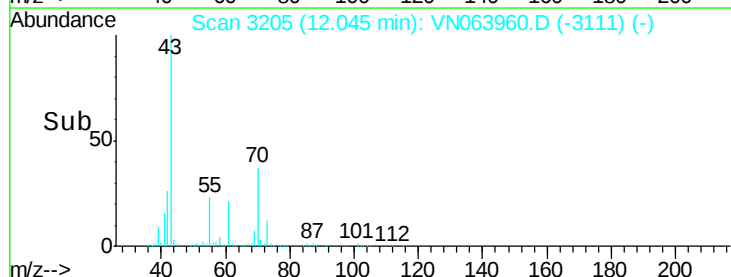
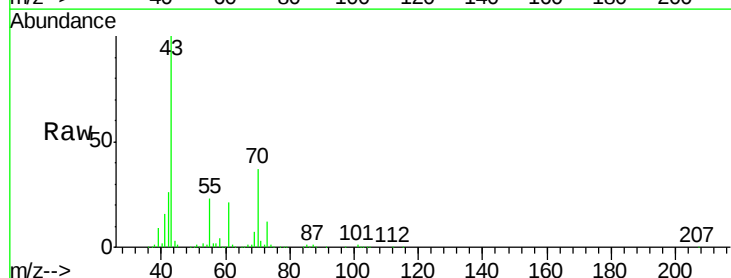
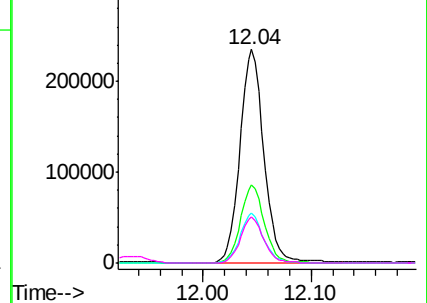
61 21.0 17.0 25.4

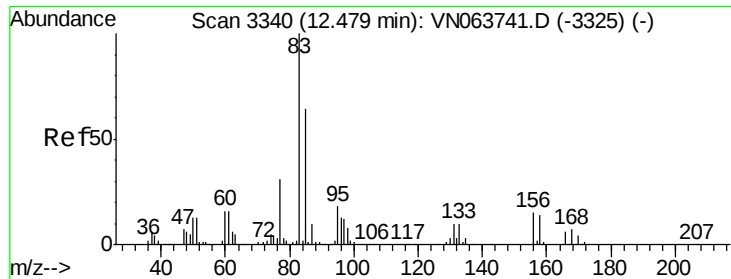
Abundance Ion 43.00 (42.70 to 43.70): V

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: 52.671 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN063960.D

Acq: 7 Oct 2020 22:54

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 83 Resp: 246478

Ion Ratio Lower Upper

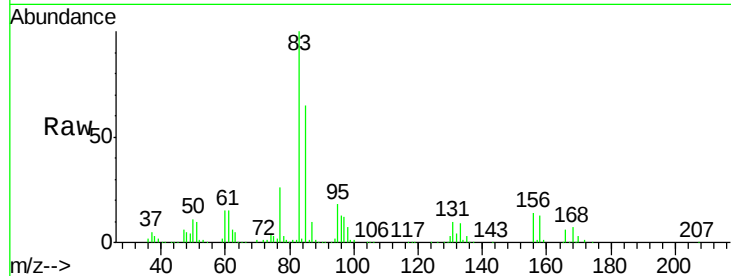
83 100

131 10.2 5.3 15.8

85 64.5 31.3 93.8

Manual Integrations
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10/8/2020 10:09:27 AM



Abundance Ion 82.90 (82.60 to 83.60): VN063960.D (-3247) (-)

Ion 130.80 (130.50 to 131.50): VN063960.D (-3247) (-)

Ion 84.90 (84.60 to 85.60): VN063960.D (-3247) (-)

12.48

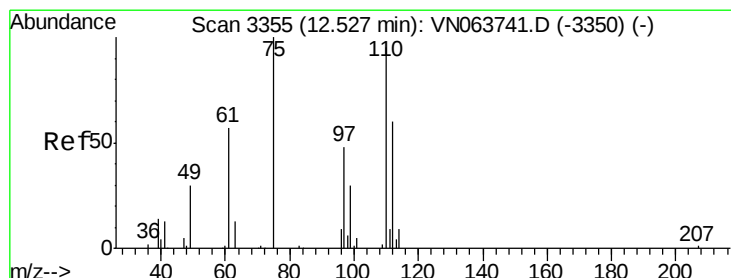
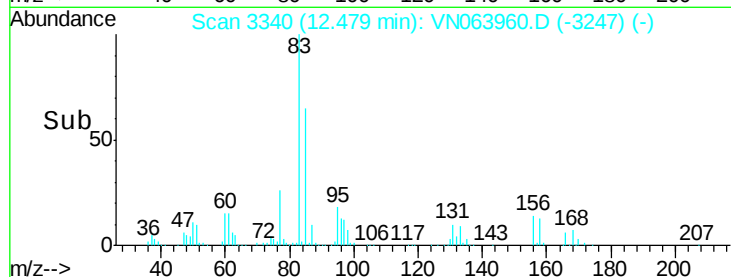
150000

100000

50000

0

Time-->



#76

1,2,3-Trichloropropane

Concen: 49.935 ug/l m

RT: 12.53 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN063960.D

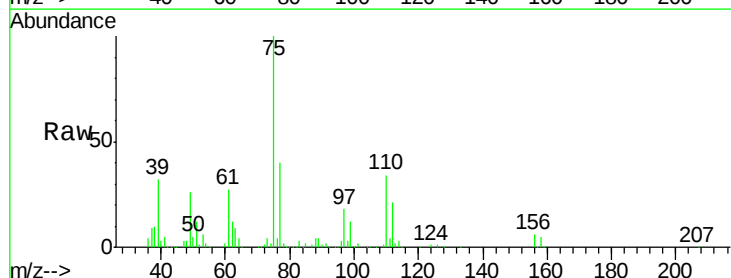
Acq: 7 Oct 2020 22:54

Tgt Ion: 75 Resp: 230950

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN063960.D (-3262) (-)

Ion 77.00 (76.70 to 77.70): VN063960.D (-3262) (-)

12.53

200000

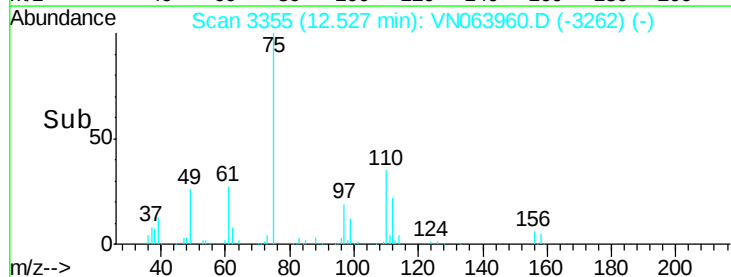
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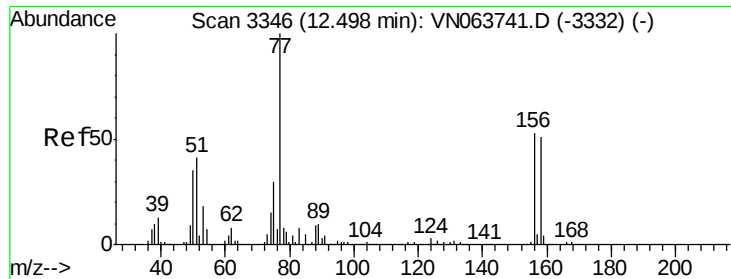
100000

50000

0

Time-->





#77

Bromobenzene

Concen: 53.338 ug/l

RT: 12.50 min Scan# 3347

Delta R.T. 0.00 min

Lab File: VN063960.D

Acq: 7 Oct 2020 22:54

Instrument :

MSVOA_N

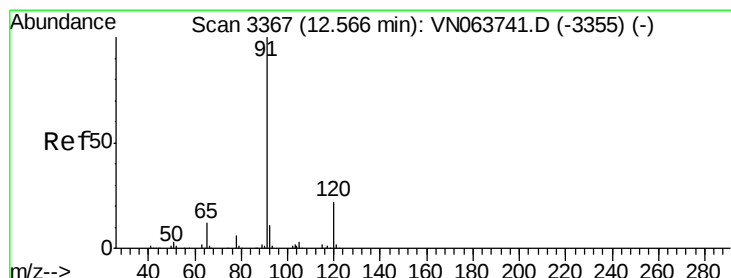
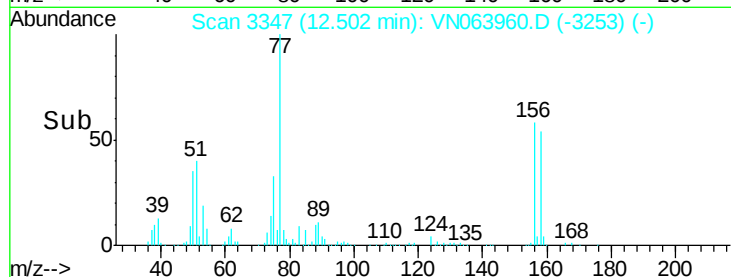
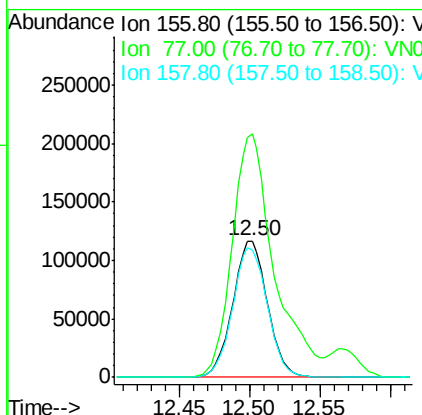
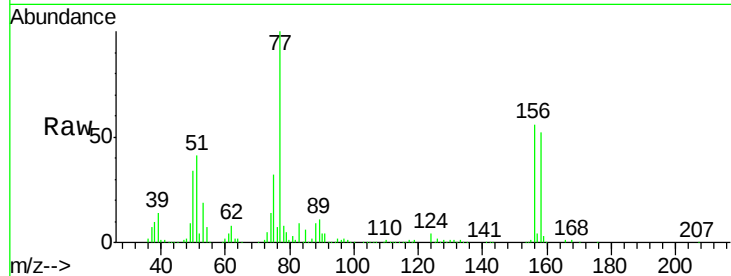
ClientSampled :

VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	215.7	110.9	332.7	
158	95.8	47.7	143.1	

Manual Integrations
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#78

n-propylbenzene

Concen: 50.859 ug/l

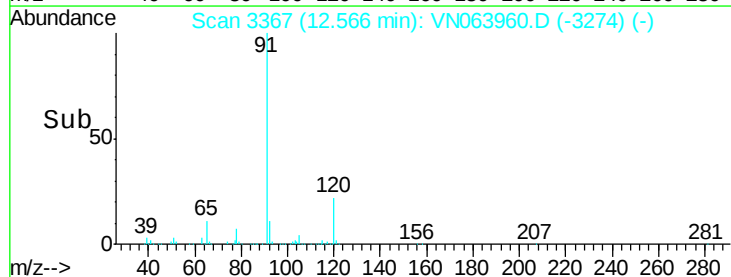
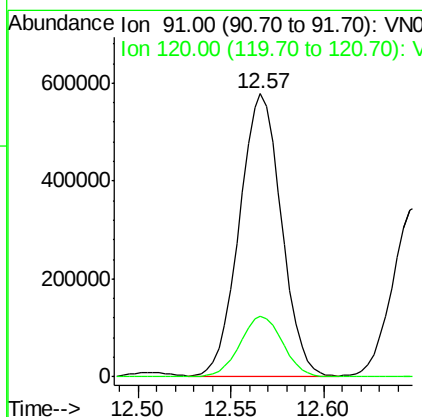
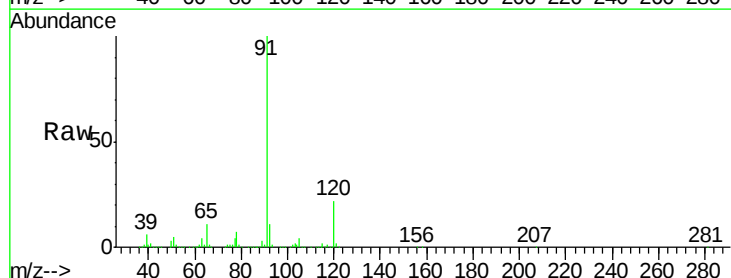
RT: 12.57 min Scan# 3367

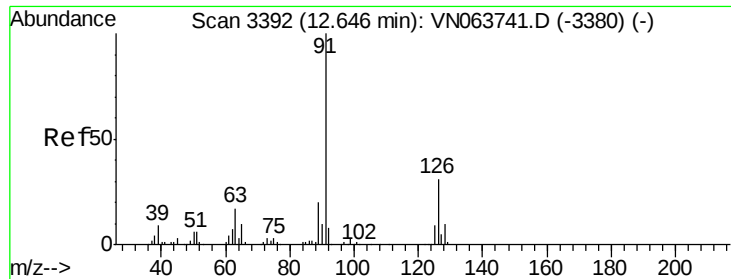
Delta R.T. 0.00 min

Lab File: VN063960.D

Acq: 7 Oct 2020 22:54

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	22.0	11.1	33.1	





#79

2-Chlorotoluene

Concen: 51.329 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN063960.D

Acq: 7 Oct 2020 22:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 562222

Ion Ratio Lower Upper

91 100

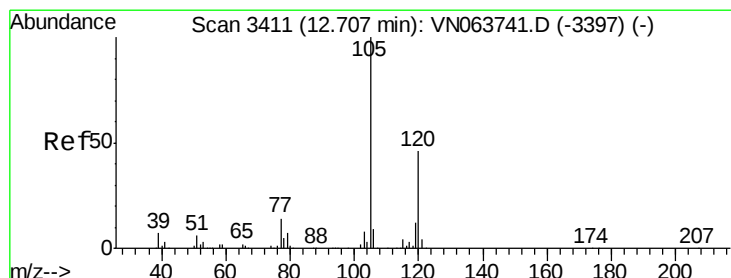
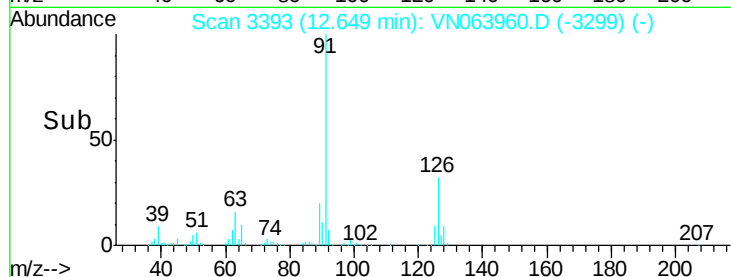
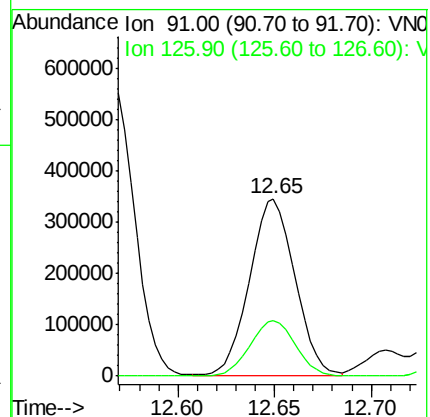
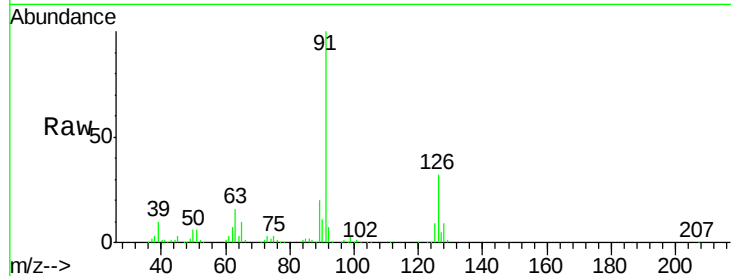
126 32.0 15.9 47.7

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 51.327 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN063960.D

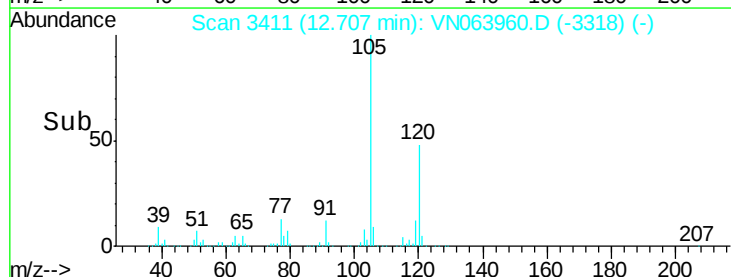
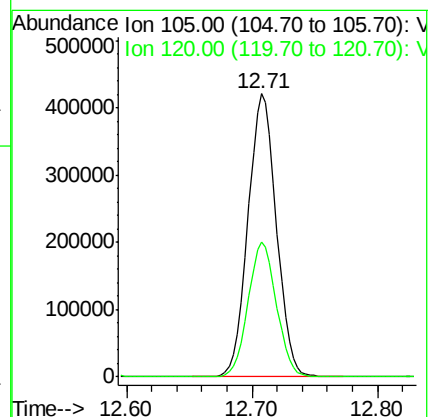
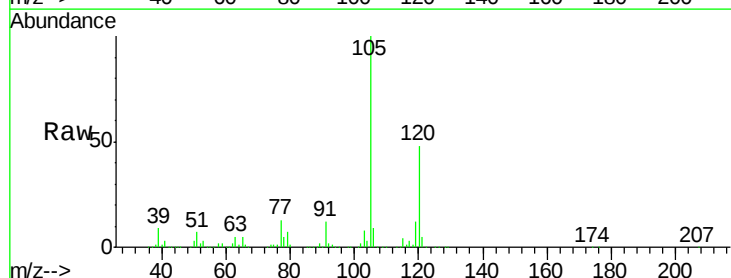
Acq: 7 Oct 2020 22:54

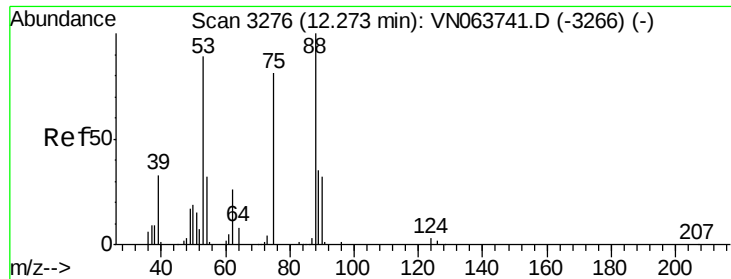
Tgt Ion: 105 Resp: 658964

Ion Ratio Lower Upper

105 100

120 47.6 23.3 69.9





#81

trans-1,4-Dichloro-2-butene

Concen: 48.881 ug/l

RT: 12.28 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN063960.D

Acq: 7 Oct 2020 22:54

Instrument :

MSVOA_N

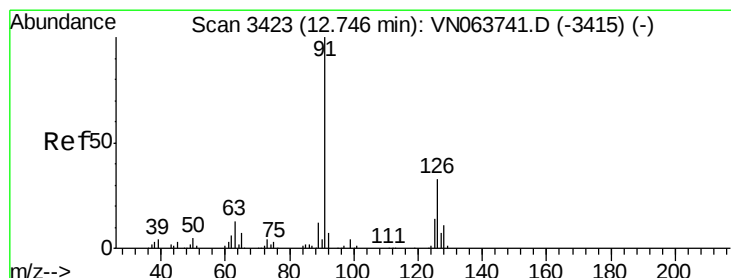
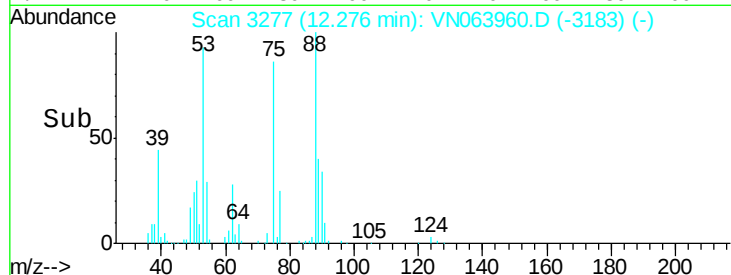
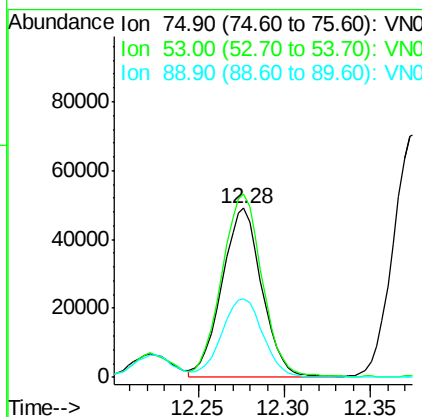
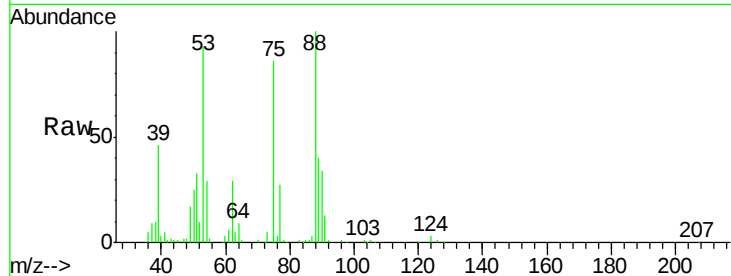
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	78493
Ion	Ratio	Lower	Upper
75	100		
53	110.6	88.2	132.2
89	48.9	36.0	54.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 51.323 ug/l

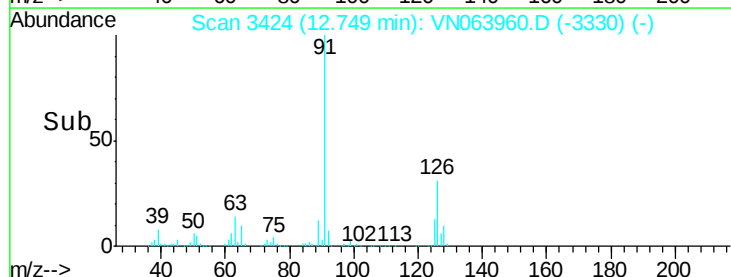
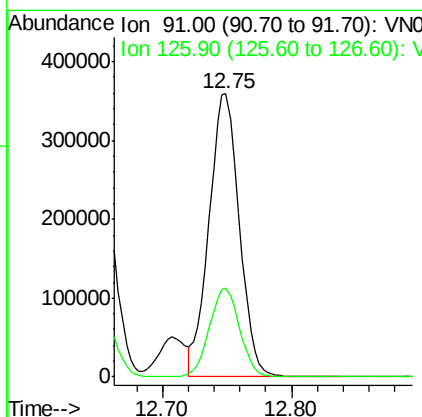
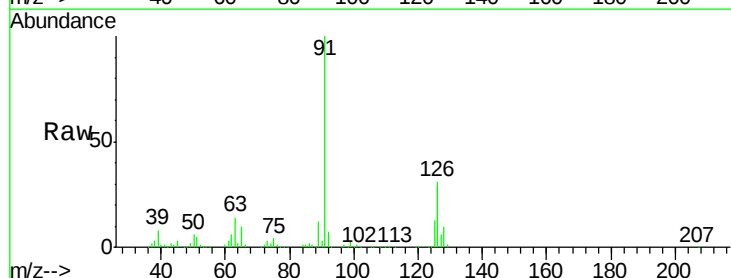
RT: 12.75 min Scan# 3424

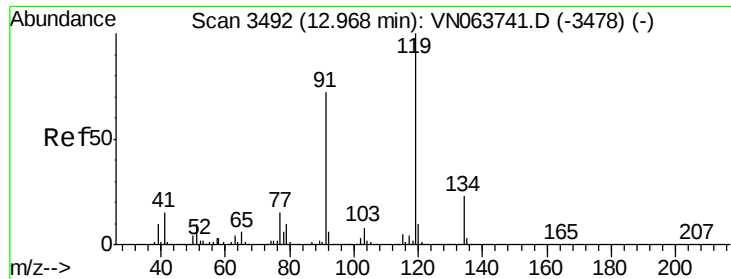
Delta R.T. 0.00 min

Lab File: VN063960.D

Acq: 7 Oct 2020 22:54

Tgt Ion:	91	Resp:	583579
Ion	Ratio	Lower	Upper
91	100		
126	31.1	15.4	46.2





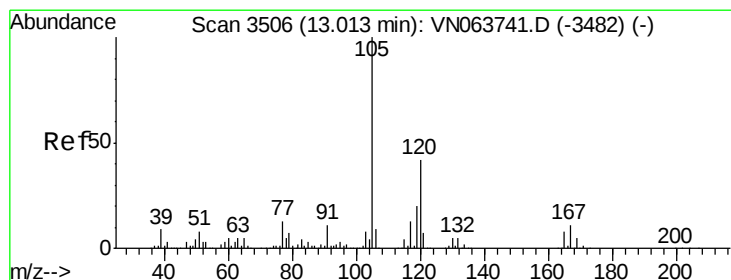
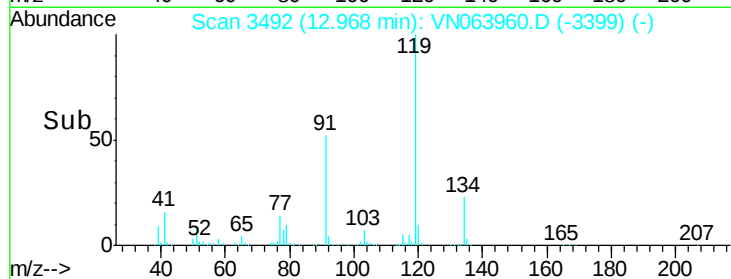
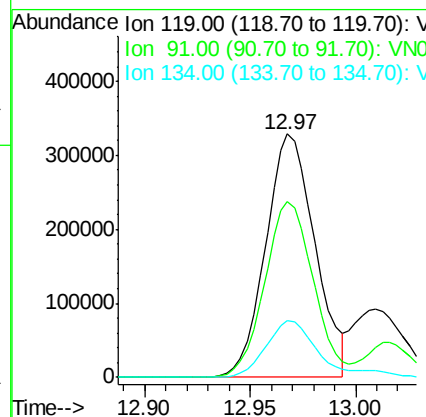
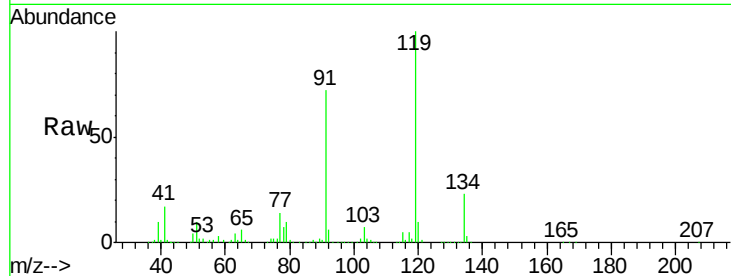
#83
 tert-Butylbenzene
 Concen: 50.926 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. 0.00 min
 Lab File: VN063960.D
 Acq: 7 Oct 2020 22:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	70.9	35.5	106.5
134	25.2	11.7	35.1

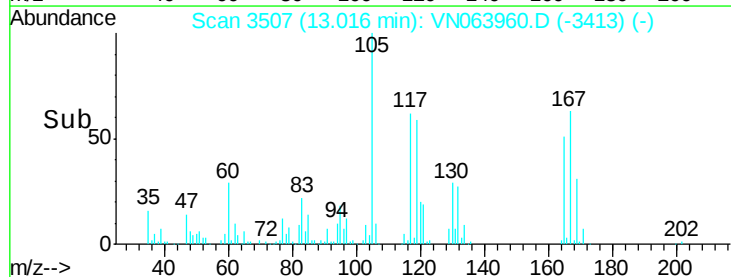
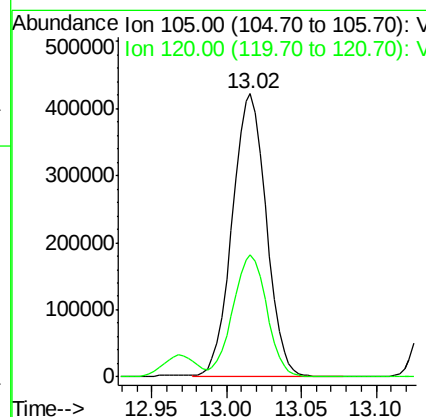
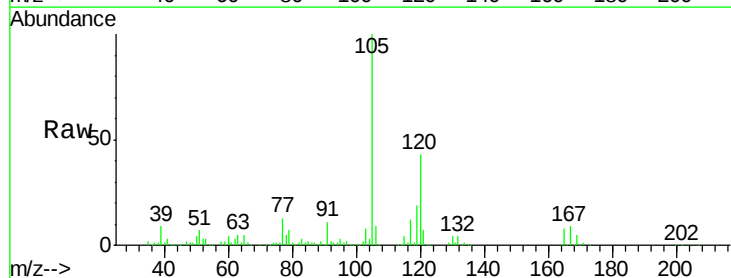
Manual Integrations
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#84
 1,2,4-Trimethylbenzene
 Concen: 52.037 ug/l
 RT: 13.02 min Scan# 3507
 Delta R.T. 0.00 min
 Lab File: VN063960.D
 Acq: 7 Oct 2020 22:54

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.3	20.9	62.7





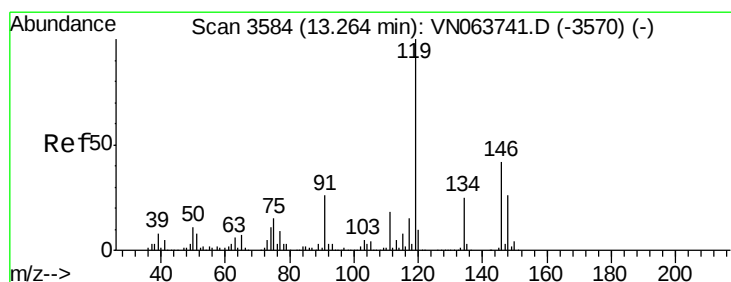
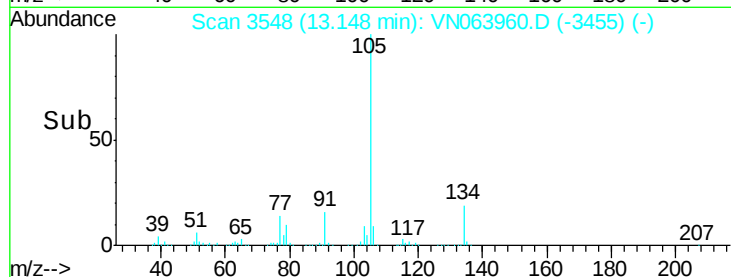
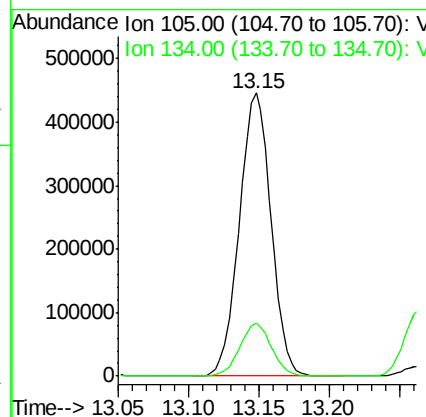
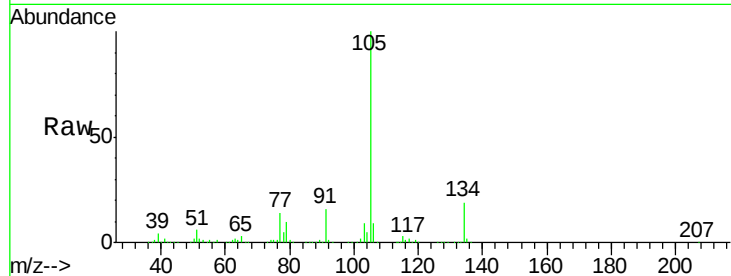
#85
 sec-Butylbenzene
 Concen: 50.741 ug/l
 RT: 13.15 min Scan# 3548
 Delta R.T. 0.00 min
 Lab File: VN063960.D
 Acq: 7 Oct 2020 22:54

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
105	100	699892		
134	18.6	9.5	28.5	

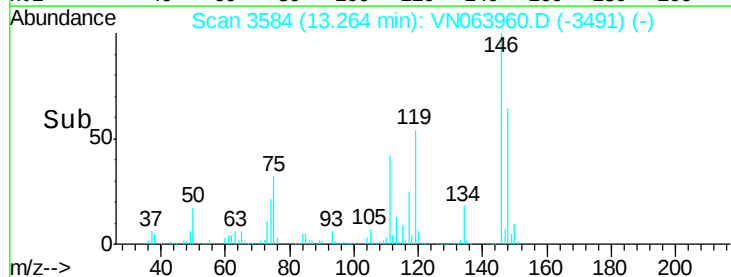
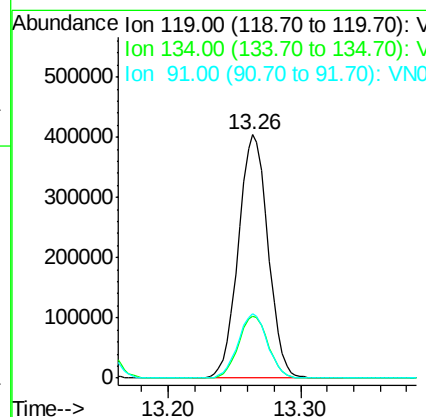
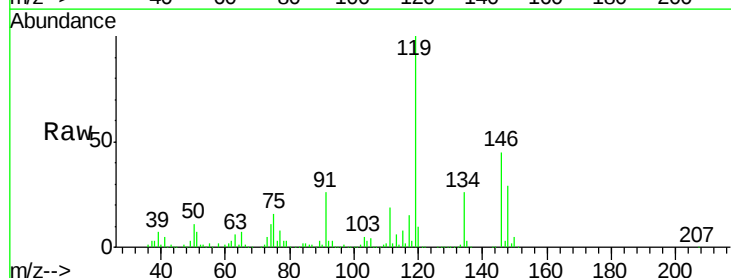
Manual Integrations
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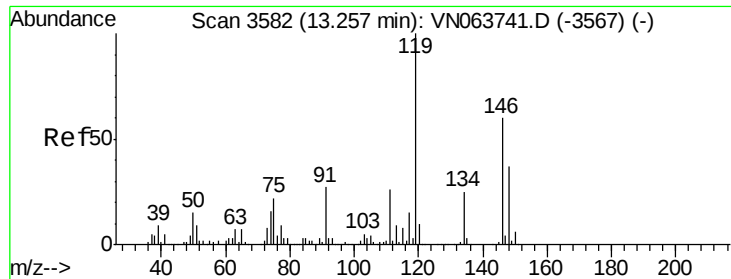
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#86
 p-Isopropyltoluene
 Concen: 51.222 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN063960.D
 Acq: 7 Oct 2020 22:54

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	625030		
134	25.7	12.6	37.8	
91	26.1	13.4	40.2	





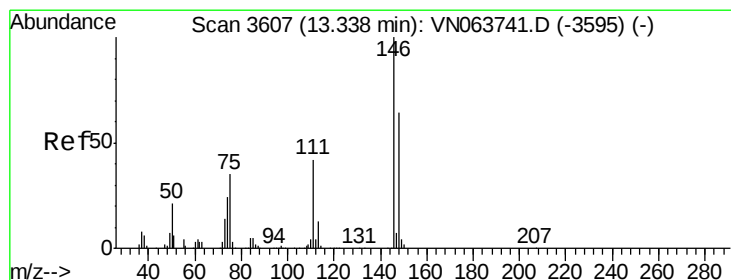
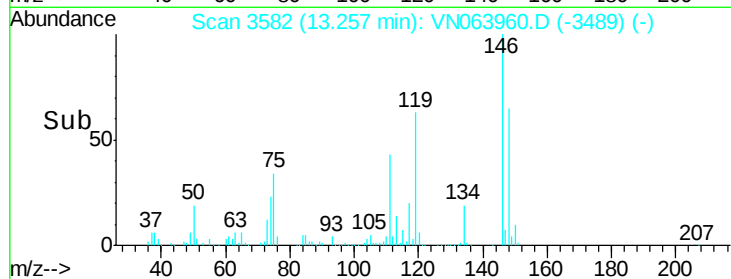
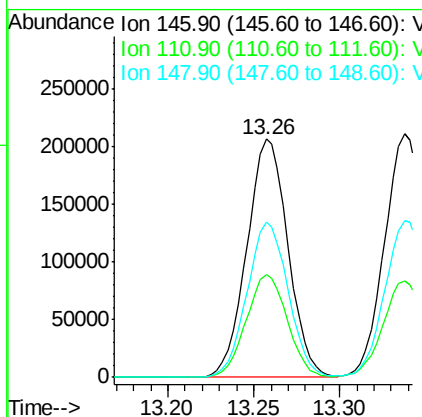
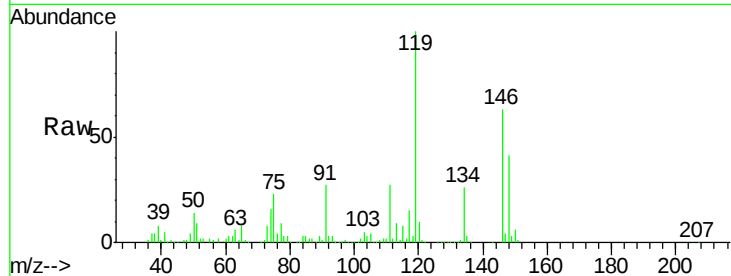
#87
 1,3-Dichlorobenzene
 Concen: 50.486 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN063960.D
 Acq: 7 Oct 2020 22:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.5	64.5
148	65.1	31.1	93.3

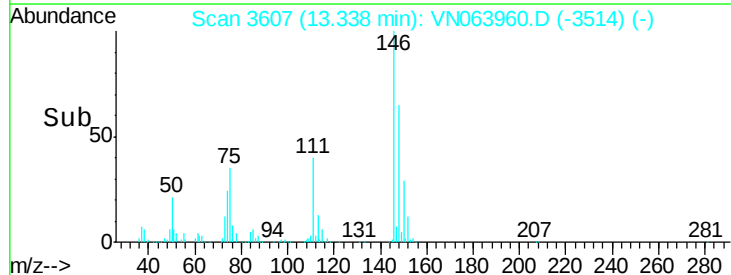
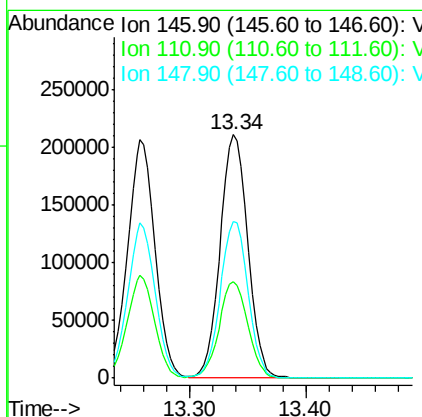
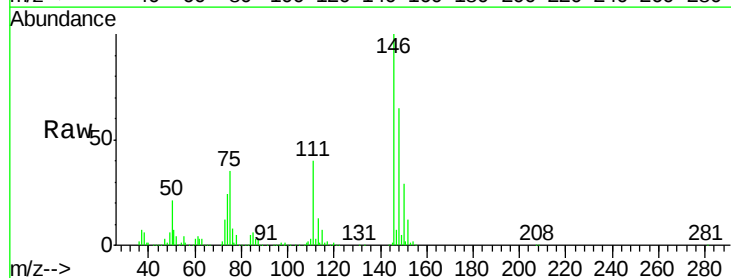
Manual Integrations
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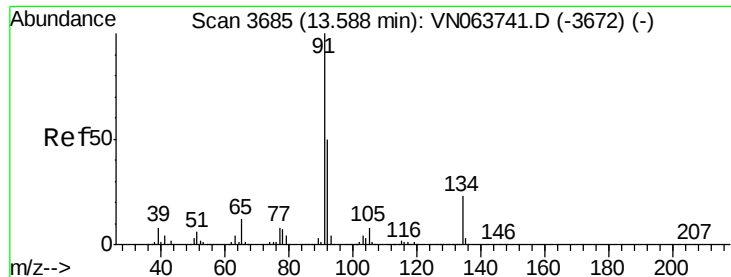
MMDadoda
 10/8/2020 10:09:27 AM



#88
 1,4-Dichlorobenzene
 Concen: 49.361 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN063960.D
 Acq: 7 Oct 2020 22:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.8	21.3	63.7
148	64.3	32.0	96.0





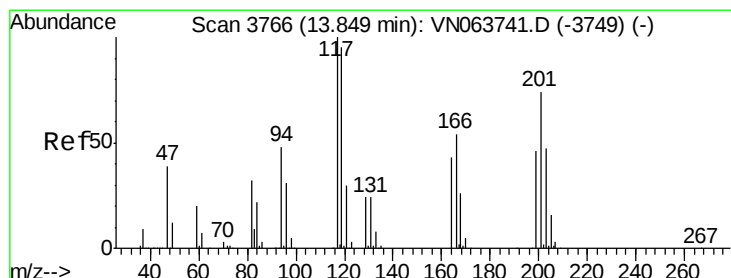
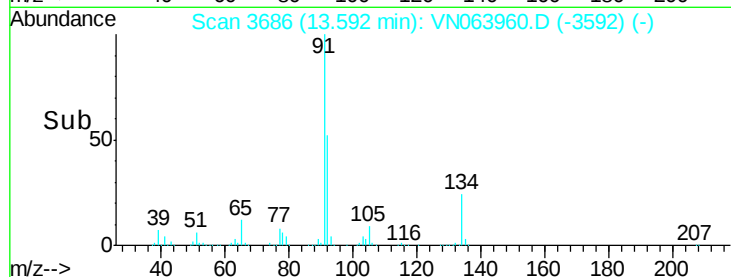
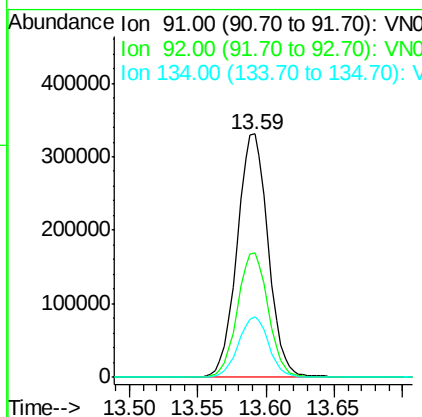
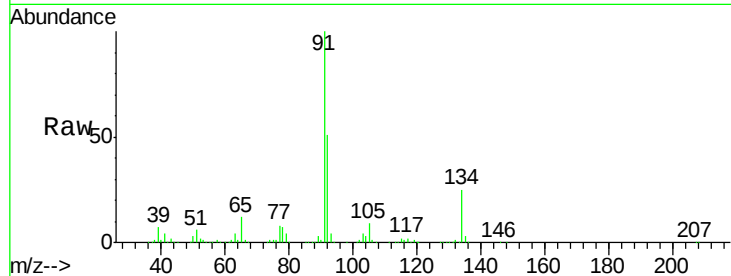
#89
n-Butylbenzene
Concen: 46.452 ug/l
RT: 13.59 min Scan# 3686
Delta R.T. 0.00 min
Lab File: VN063960.D
Acq: 7 Oct 2020 22:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.9	25.4	76.4
134	24.2	11.7	35.1

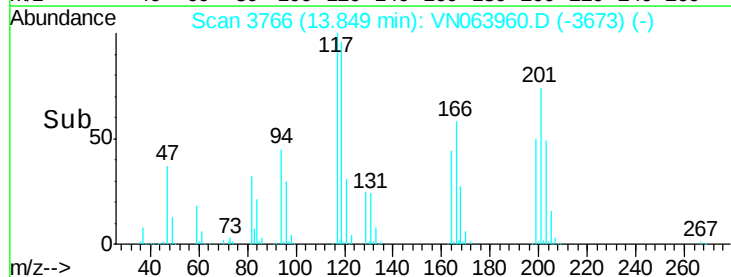
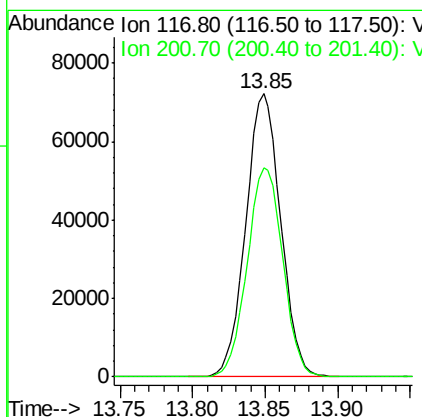
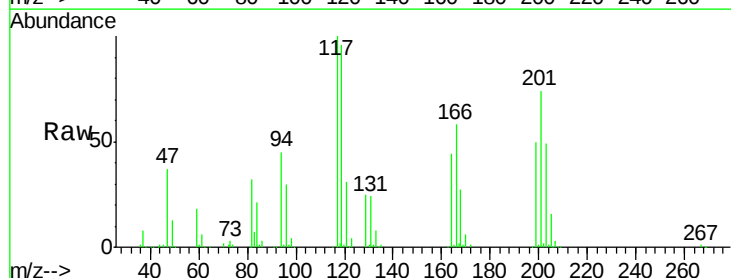
Manual Integrations
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10/8/2020 10:09:27 AM



#90
Hexachloroethane
Concen: 51.189 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN063960.D
Acq: 7 Oct 2020 22:54

Tgt Ion	Ratio	Lower	Upper
117	100		
201	75.2	36.0	108.0





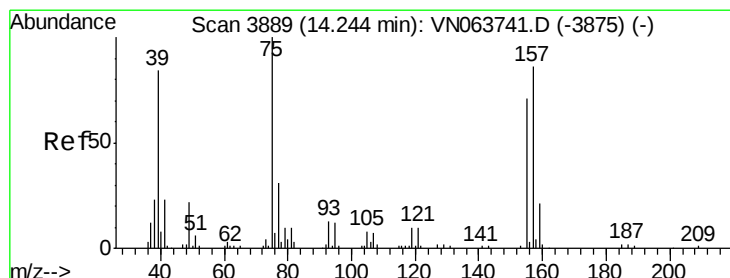
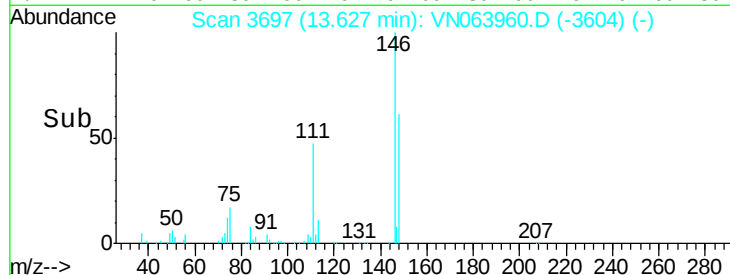
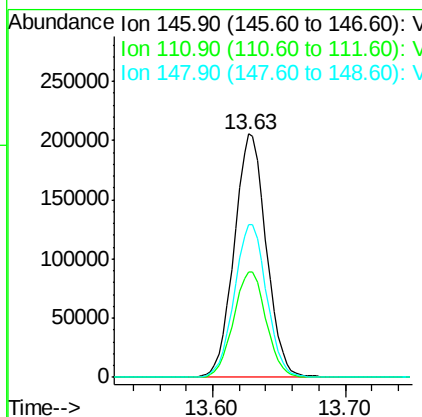
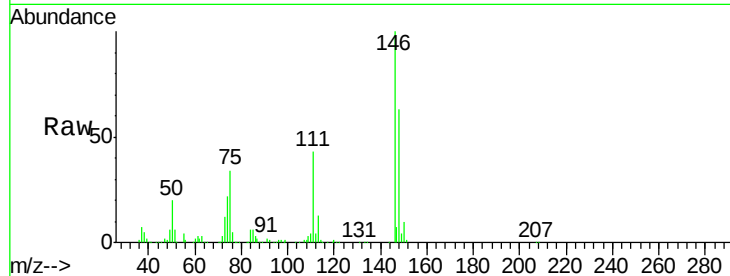
#91
 1,2-Dichlorobenzene
 Concen: 51.206 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN063960.D
 Acq: 7 Oct 2020 22:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.0	22.2	66.6
148	63.5	32.5	97.4

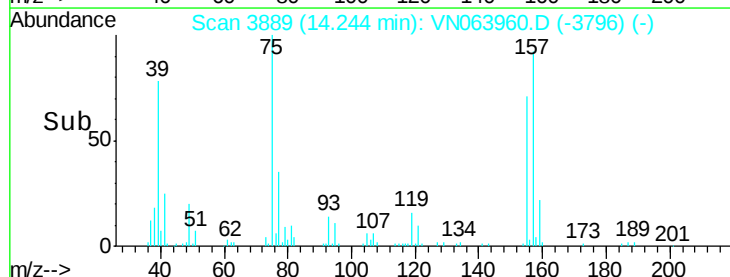
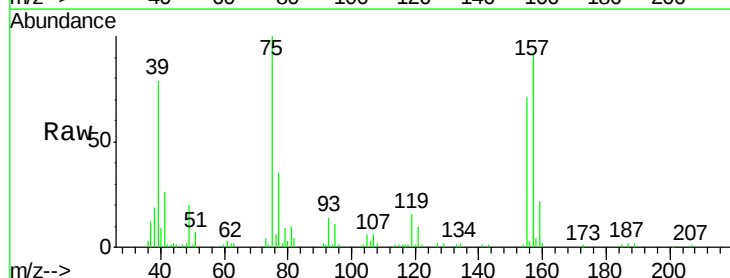
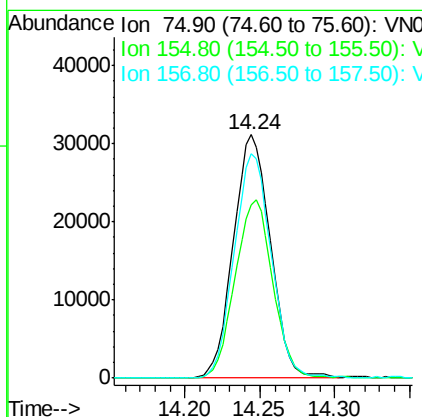
Manual Integrations
 APPROVED

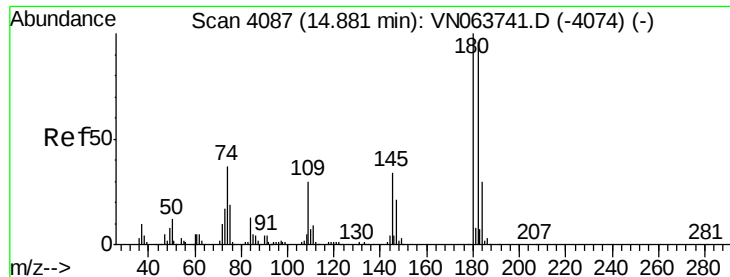
MMDadoda
 10/8/2020 10:09:27 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.977 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN063960.D
 Acq: 7 Oct 2020 22:54

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.2	34.8	104.5
157	92.0	43.7	131.1





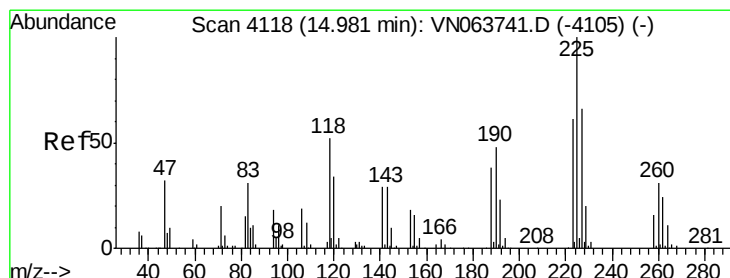
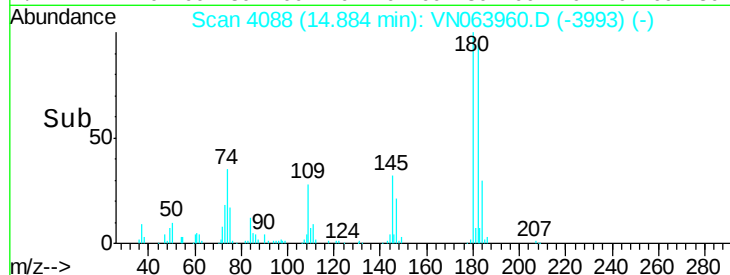
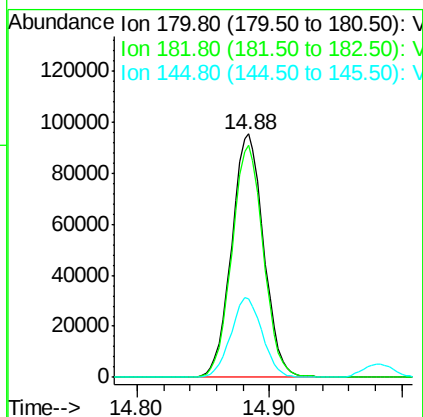
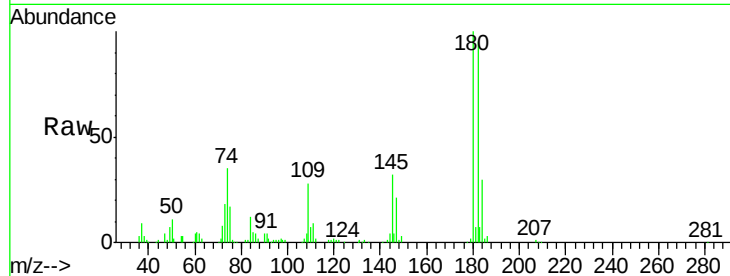
#93
1,2,4-Trichlorobenzene
Concen: 44.032 ug/l
RT: 14.88 min Scan# 4088
Delta R.T. 0.00 min
Lab File: VN063960.D
Acq: 7 Oct 2020 22:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	160316		
182	93.7	48.2	144.6	
145	32.1	17.1	51.2	

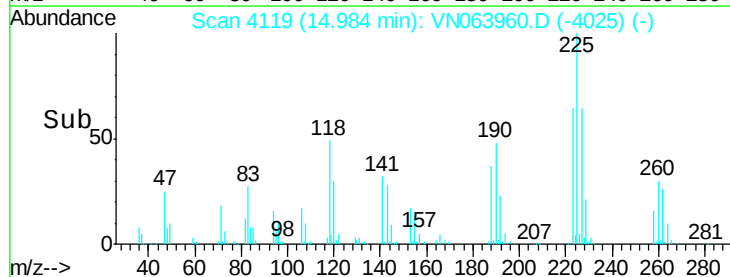
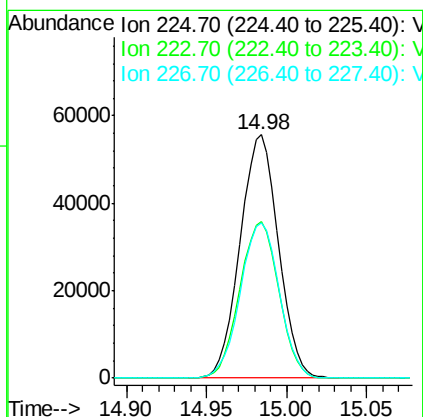
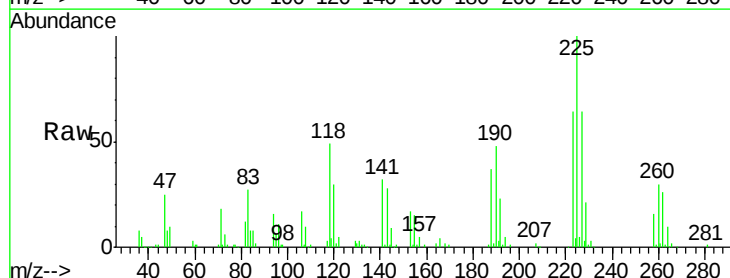
Manual Integrations
APPROVED

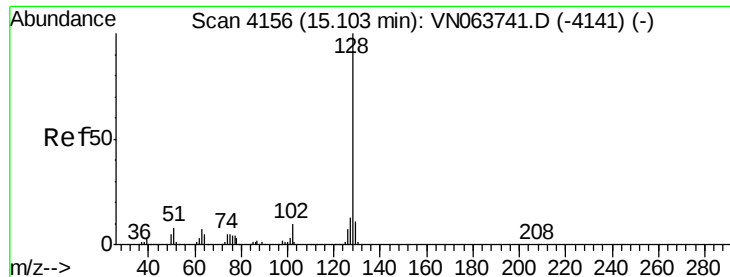
MMDadoda
10/8/2020 10:09:27 AM



#94
Hexachlorobutadiene
Concen: 49.969 ug/l
RT: 14.98 min Scan# 4119
Delta R.T. 0.00 min
Lab File: VN063960.D
Acq: 7 Oct 2020 22:54

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	91161		
223	65.4	30.3	91.0	
227	64.8	31.9	95.5	





#95

Naphthalene

Concen: 42.852 ug/l

RT: 15.11 min Scan# 4157

Delta R.T. 0.00 min

Lab File: VN063960.D

Acq: 7 Oct 2020 22:54

Instrument :

MSVOA_N

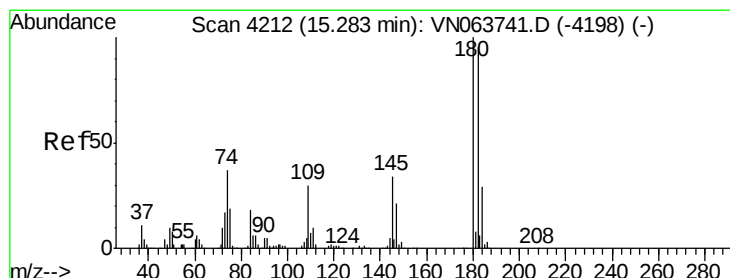
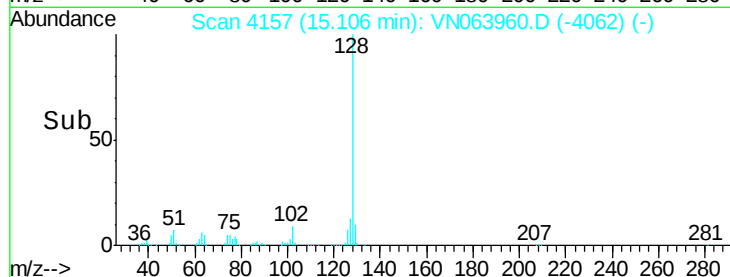
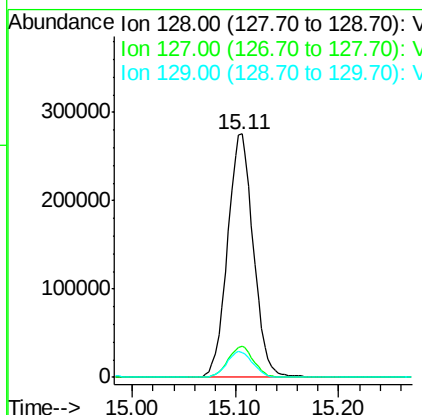
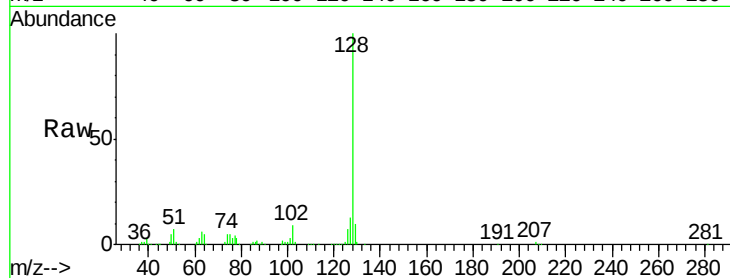
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	481876
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.5	15.7
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
10/8/2020 10:09:27 AM



#96

1,2,3-Trichlorobenzene

Concen: 44.594 ug/l

RT: 15.29 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN063960.D

Acq: 7 Oct 2020 22:54

Tgt Ion:	180	Resp:	157628
Ion Ratio	Lower	Upper	
180	100		
182	97.2	47.9	143.6
145	34.5	17.2	51.5

