

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111519\
 Data File : VD064240.D
 Acq On : 15 Nov 2019 21:46
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDADODA
 11/19/2019 12:22:41 PM

Quant Time: Nov 18 00:57:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 12 02:43:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	604596	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	892988	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	774734	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	379492	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	266518	53.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.20%	
35) Dibromofluoromethane	7.92	113	271042	52.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.76%	
50) Toluene-d8	10.34	98	975132	50.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.86%	
62) 4-Bromofluorobenzene	12.64	95	324687	48.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	242171	48.296	ug/l	99
3) Chloromethane	2.21	50	290887	54.083	ug/l	99
4) Vinyl Chloride	2.35	62	334627	58.180	ug/l	99
5) Bromomethane	2.77	94	232177	63.927	ug/l	99
6) Chloroethane	2.92	64	228472	62.166	ug/l	97
7) Trichlorofluoromethane	3.27	101	575737	61.741	ug/l	96
8) Diethyl Ether	3.71	74	143600	56.006	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.08	101	272920	51.206	ug/l	99
10) Methyl Iodide	4.30	142	315145	51.725	ug/l	100
11) Tert butyl alcohol	5.25	59	103154	297.014	ug/l #	69
12) 1,1-Dichloroethene	4.06	96	263538	51.875	ug/l	97
13) Acrolein	3.93	56	100106	340.716	ug/l	100
14) Allyl chloride	4.71	41	448029	49.878	ug/l	96
15) Acrylonitrile	5.43	53	324464	296.835	ug/l	99
16) Acetone	4.17	43	242589	205.937	ug/l	95
17) Carbon Disulfide	4.40	76	788165	49.817	ug/l	99
18) Methyl Acetate	4.73	43	179592	54.585	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	686849	56.633	ug/l	99
20) Methylene Chloride	4.97	84	300099	50.434	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	301559	52.392	ug/l	97
22) Diisopropyl ether	6.37	45	894131	53.649	ug/l	100
23) Vinyl Acetate	6.31	43	2705531	291.226	ug/l	98
24) 1,1-Dichloroethane	6.27	63	515156	53.236	ug/l	99
25) 2-Butanone	7.22	43	405567	266.491	ug/l	100
26) 2,2-Dichloropropane	7.21	77	445791	46.975	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	338952	54.914	ug/l	94
28) Bromochloromethane	7.55	49	195684	58.084	ug/l	97
29) Tetrahydrofuran	7.57	42	266909	291.903	ug/l	97
30) Chloroform	7.71	83	554888	56.058	ug/l	100
31) Cyclohexane	7.98	56	458968	47.029	ug/l	98
32) 1,1,1-Trichloroethane	7.91	97	492724	51.986	ug/l	99
36) 1,1-Dichloropropene	8.11	75	409025	49.630	ug/l	99
37) Ethyl Acetate	7.30	43	189856	54.644	ug/l	100
38) Carbon Tetrachloride	8.10	117	454462	51.534	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	503518	48.283	ug/l	97
40) Benzene	8.36	78	1162866	51.627	ug/l	98
41) Methacrylonitrile	7.53	41	123632	56.615	ug/l #	92
42) 1,2-Dichloroethane	8.43	62	361001	53.364	ug/l	100
43) Isopropyl Acetate	8.46	43	388219	54.230	ug/l	99
44) Trichloroethene	9.11	130	347415	51.391	ug/l	97
45) 1,2-Dichloropropane	9.39	63	288751	52.669	ug/l	97
46) Dibromomethane	9.48	93	164199	55.945	ug/l	99
47) Bromodichloromethane	9.67	83	426461	53.943	ug/l	98
48) Methyl methacrylate	9.46	41	181775	51.929	ug/l	93
49) 1,4-Dioxane	9.47	88	40870	1159.456	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	953418	277.727	ug/l	99
52) Toluene	10.41	92	754340	50.931	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	418370	52.822	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	480446	51.983	ug/l	99
55) 1,1,2-Trichloroethane	10.81	97	224487	56.382	ug/l	95
56) Ethyl methacrylate	10.67	69	307274	55.169	ug/l	95
57) 1,3-Dichloropropane	10.95	76	383755	55.265	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	601884	266.777	ug/l	99
59) 2-Hexanone	10.99	43	643531	263.490	ug/l	98
60) Dibromochloromethane	11.14	129	310451	55.880	ug/l	98
61) 1,2-Dibromoethane	11.25	107	222314	55.747	ug/l	99
64) Tetrachloroethene	10.88	164	295152	49.535	ug/l	95
65) Chlorobenzene	11.67	112	815661	51.774	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	316259	52.794	ug/l	98
67) Ethyl Benzene	11.75	91	1464822	51.403	ug/l	100
68) m/p-Xylenes	11.86	106	1115067	102.086	ug/l	99
69) o-Xylene	12.18	106	520965	51.426	ug/l	99
70) Styrene	12.20	104	920405	52.050	ug/l	99
71) Bromoform	12.37	173	194116	56.939	ug/l	100
73) Isopropylbenzene	12.48	105	1388961	49.865	ug/l	99
74) N-amyl acetate	12.30	43	348026	52.909	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.74	83	234353	55.836	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	151403m	49.532	ug/l	
77) Bromobenzene	12.77	156	358216	52.935	ug/l	99
78) n-propylbenzene	12.83	91	1603681	50.392	ug/l	99
79) 2-Chlorotoluene	12.91	91	894089	49.762	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	1137155	49.683	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	79118	51.415	ug/l	98
82) 4-Chlorotoluene	13.01	91	936016	49.947	ug/l	99
83) tert-Butylbenzene	13.23	119	1003695	49.732	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	1151517	50.960	ug/l	100
85) sec-Butylbenzene	13.41	105	1353995	49.951	ug/l	100
86) p-Isopropyltoluene	13.53	119	1281217	49.717	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	663364	52.809	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	640762	52.264	ug/l	99
89) n-Butylbenzene	13.85	91	1150979	49.436	ug/l	99
90) Hexachloroethane	14.12	117	239689	50.327	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	566947	53.323	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	39364	52.455	ug/l	97

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Quant Title : SW846 8260
QLast Update : Tue Nov 12 02:43:24 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	434285	52.949	ug/l	100
94) Hexachlorobutadiene	15.28	225	266171	50.244	ug/l	99
95) Naphthalene	15.41	128	750723	55.837	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	382019	54.794	ug/l	99

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

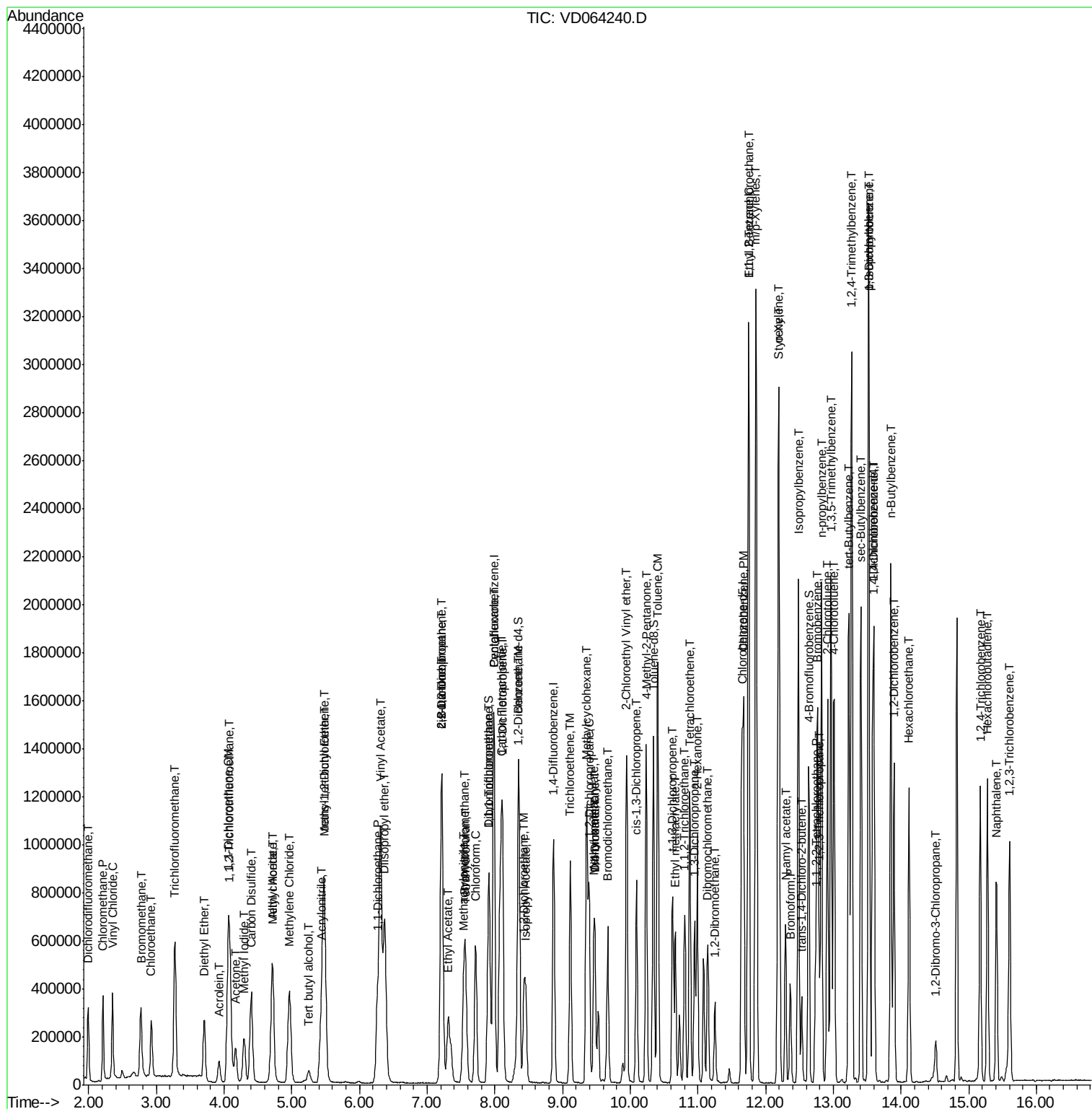
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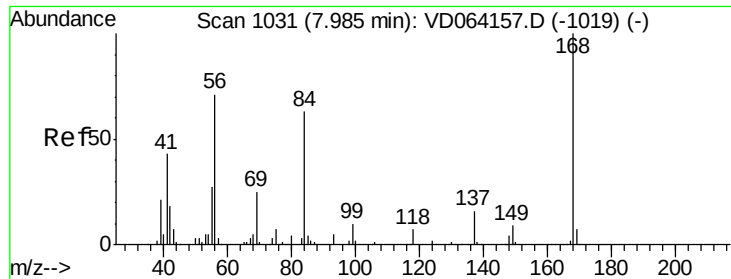
Instrument :
MSVOA_D
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064240.D

Acq: 15 Nov 2019 21:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 604596

Ion Ratio Lower Upper

168 100

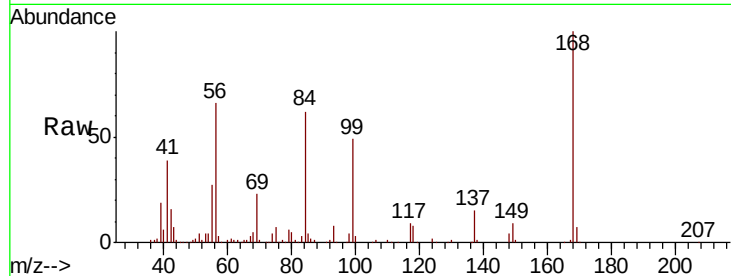
99 48.5 41.6 62.4

Manual Integrations

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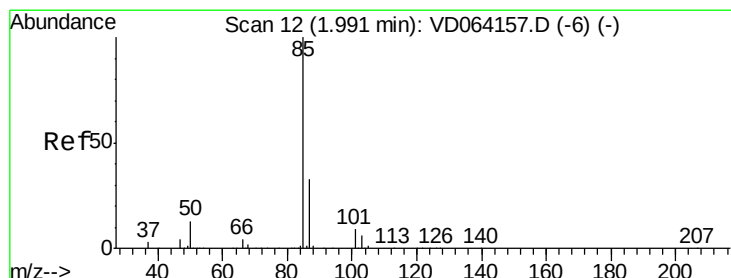
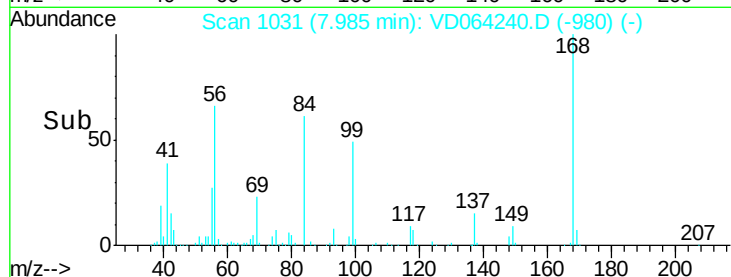
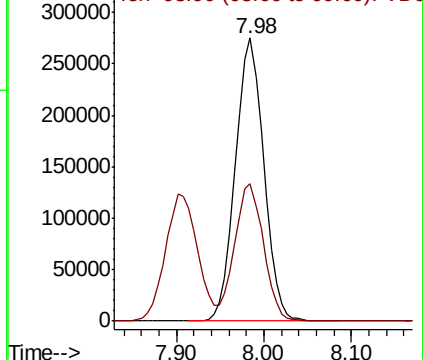
MMDADODA

11/19/2019 12:22:41 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 48.296 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD064240.D

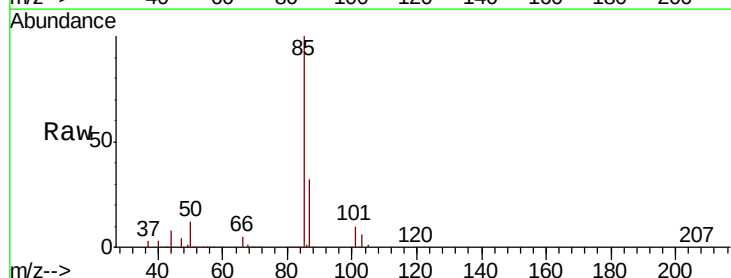
Acq: 15 Nov 2019 21:46

Tgt Ion: 85 Resp: 242171

Ion Ratio Lower Upper

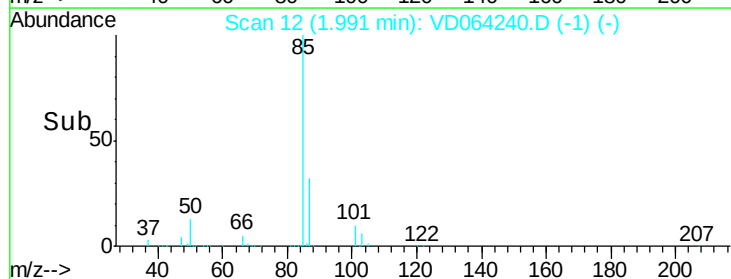
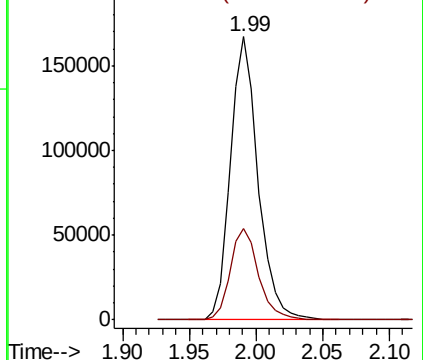
85 100

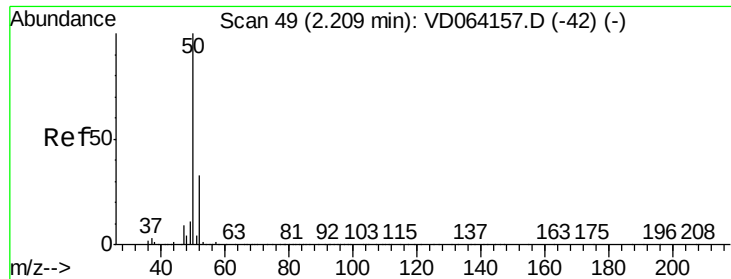
87 32.3 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 54.083 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD064240.D

Acq: 15 Nov 2019 21:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 290887

Ion Ratio Lower Upper

50 100

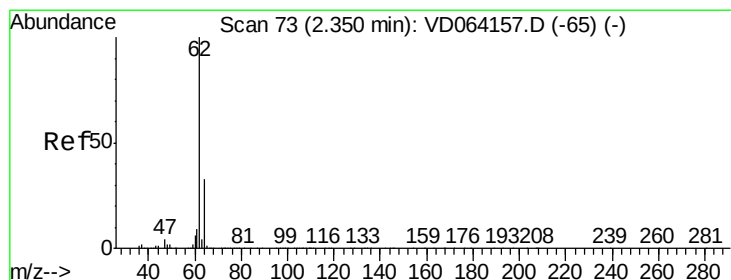
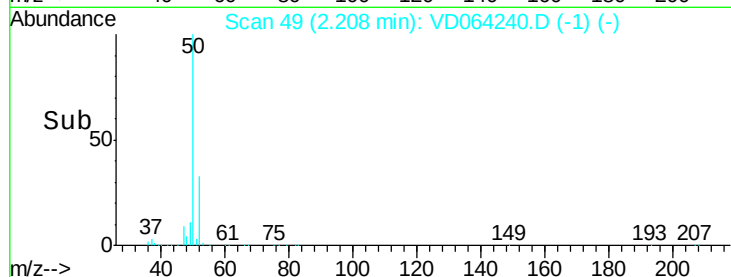
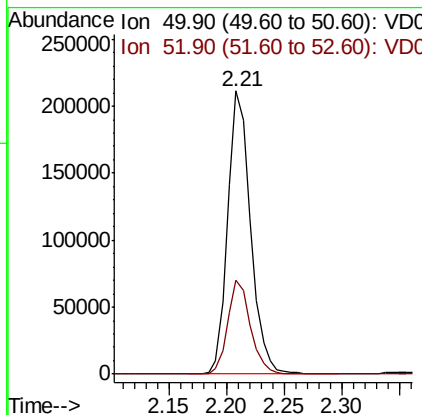
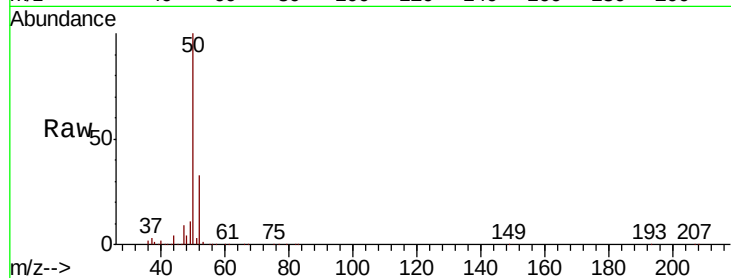
52 33.2 26.2 39.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 58.180 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD064240.D

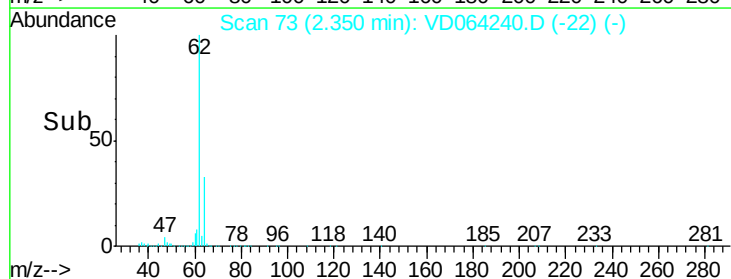
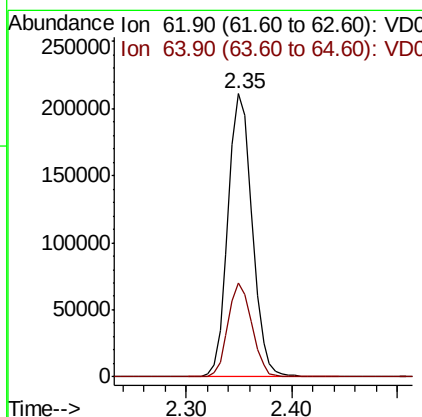
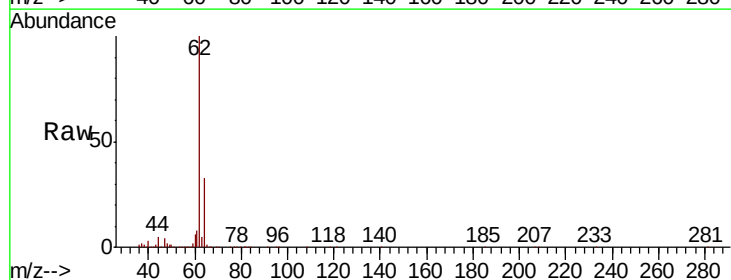
Acq: 15 Nov 2019 21:46

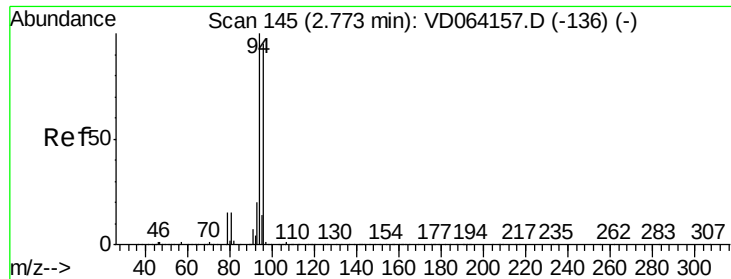
Tgt Ion: 62 Resp: 334627

Ion Ratio Lower Upper

62 100

64 33.1 26.2 39.2





#5

Bromomethane

Concen: 63.927 ug/l

RT: 2.77 min Scan# 145

Delta R.T. -0.00 min

Lab File: VD064240.D

Acq: 15 Nov 2019 21:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 232177

Ion Ratio Lower Upper

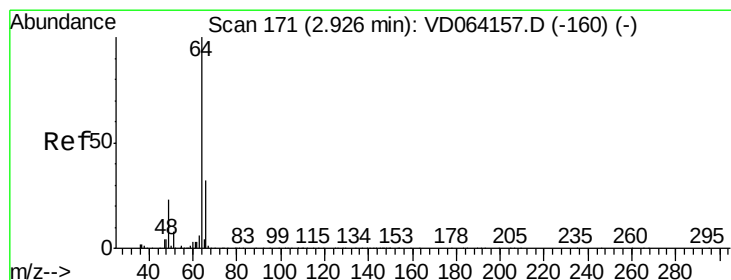
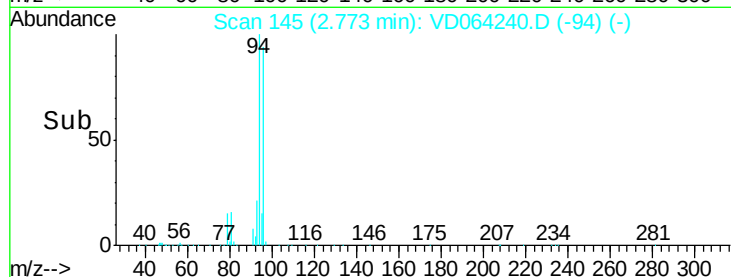
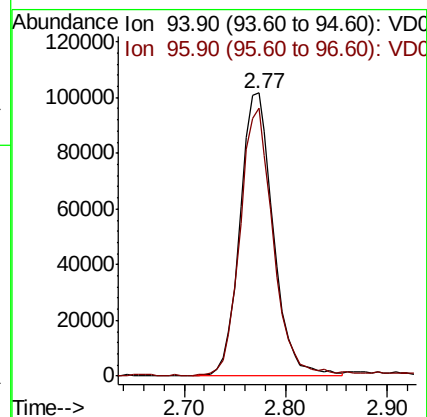
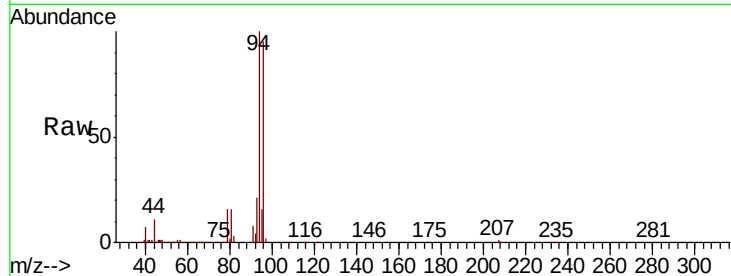
94 100

96 94.2 76.2 114.4

Manual Integrations
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#6

Chloroethane

Concen: 62.166 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD064240.D

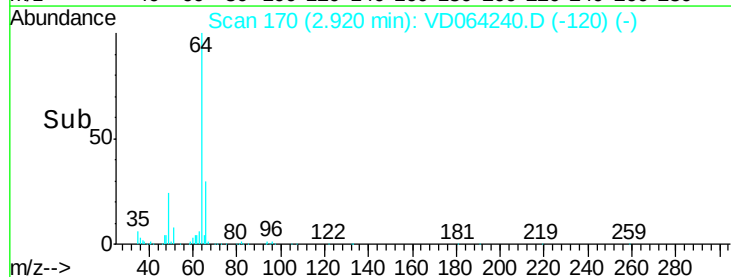
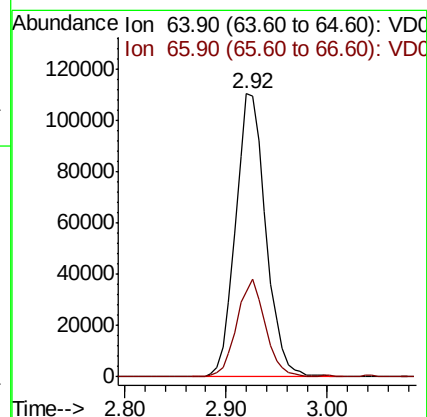
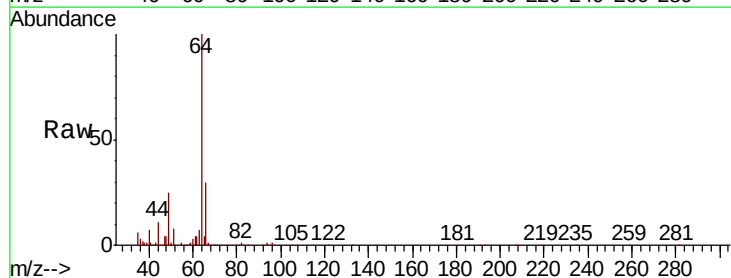
Acq: 15 Nov 2019 21:46

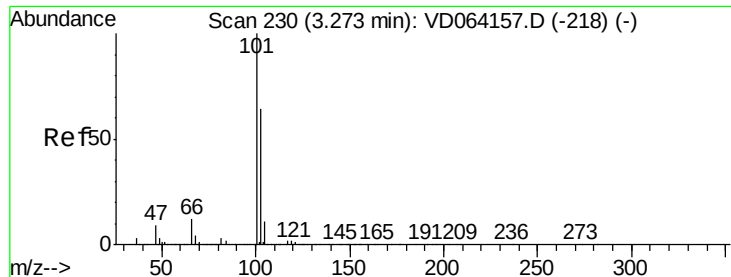
Tgt Ion: 64 Resp: 228472

Ion Ratio Lower Upper

64 100

66 30.2 25.5 38.3





#7

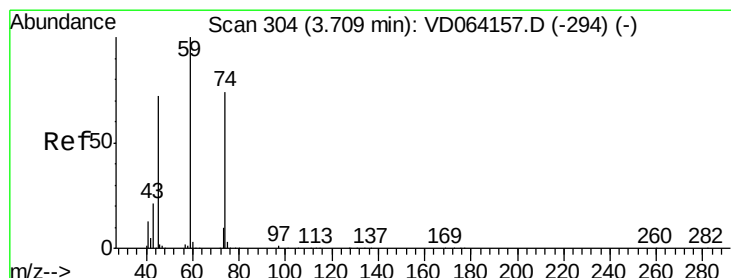
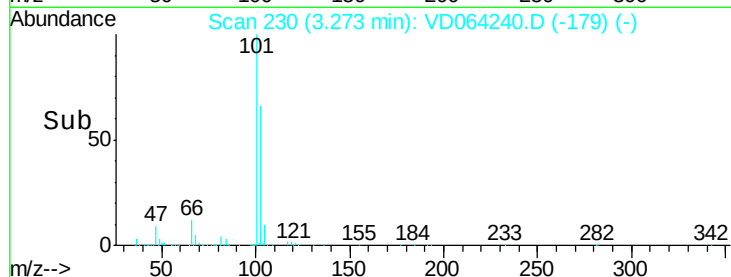
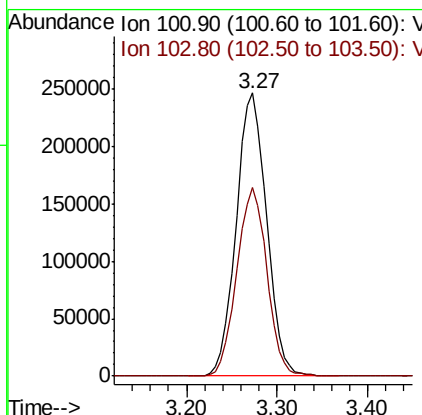
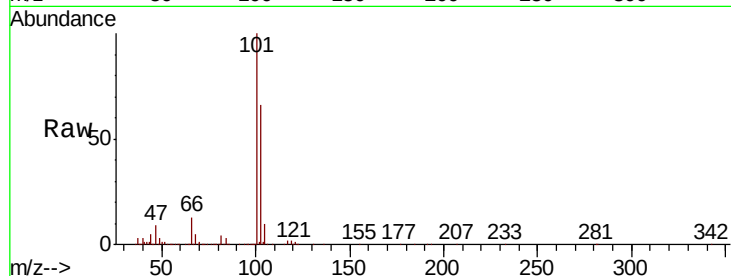
Trichlorofluoromethane
Concen: 61.741 ug/l
RT: 3.27 min Scan# 230
Delta R.T. -0.00 min
Lab File: VD064240.D
Acq: 15 Nov 2019 21:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.5	50.8	76.2

Manual Integrations
APPROVED

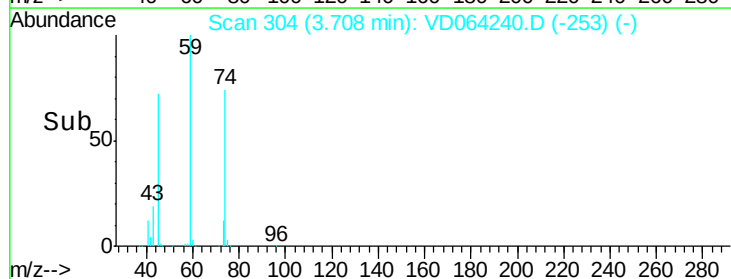
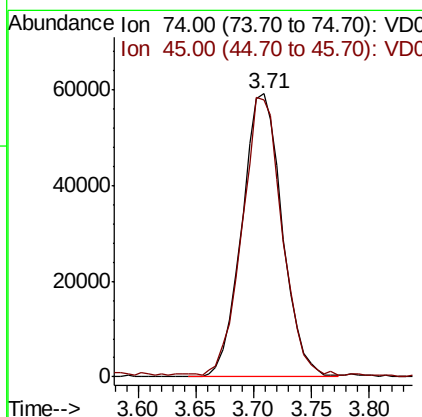
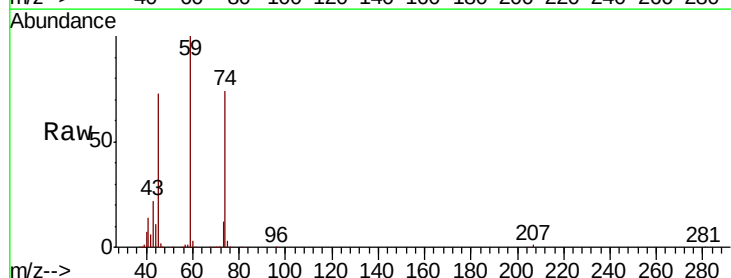
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11/19/2019 12:22:41 PM

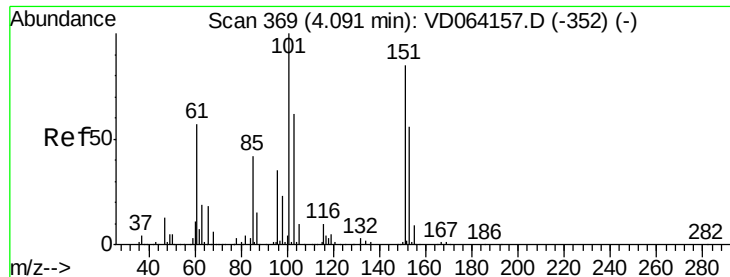


#8

Diethyl Ether
Concen: 56.006 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD064240.D
Acq: 15 Nov 2019 21:46

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.7	47.9	143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.206 ug/l

RT: 4.08 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD064240.D

Acq: 15 Nov 2019 21:46

Instrument :

MSVOA_D

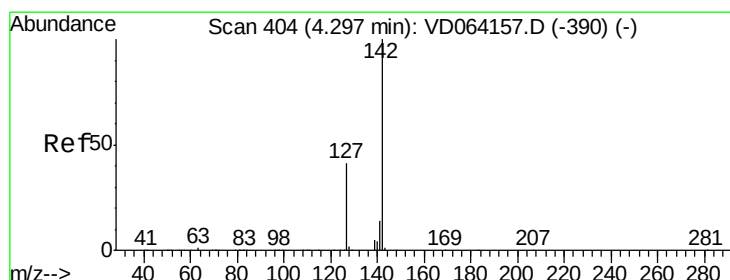
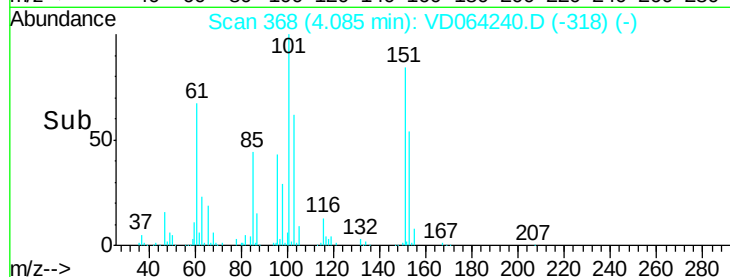
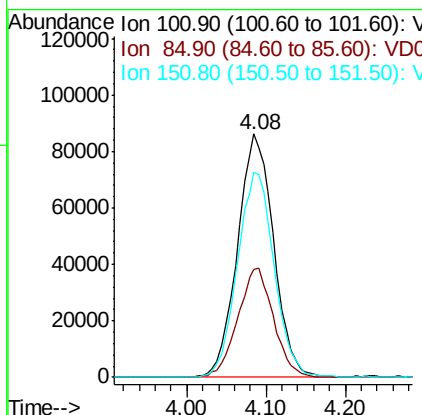
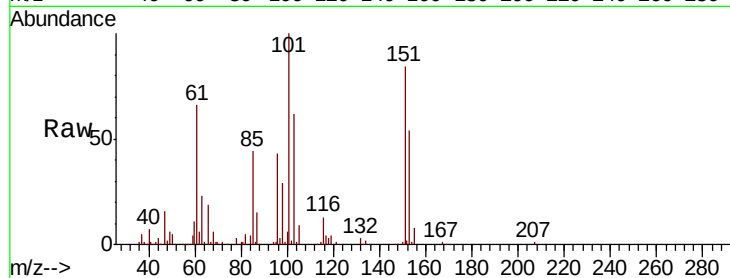
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	272920
Ion Ratio	Lower	Upper	
101	100		
85	44.3	34.4	51.6
151	85.8	68.1	102.1

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#10

Methyl Iodide

Concen: 51.725 ug/l

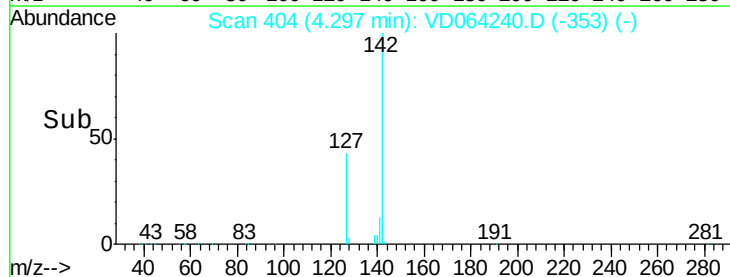
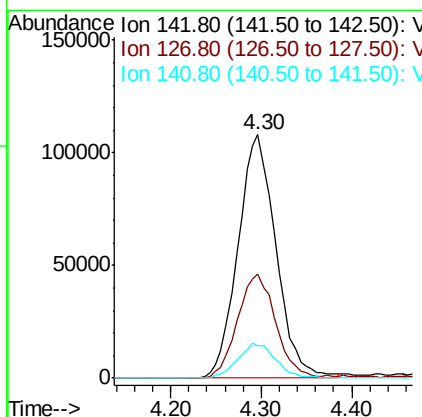
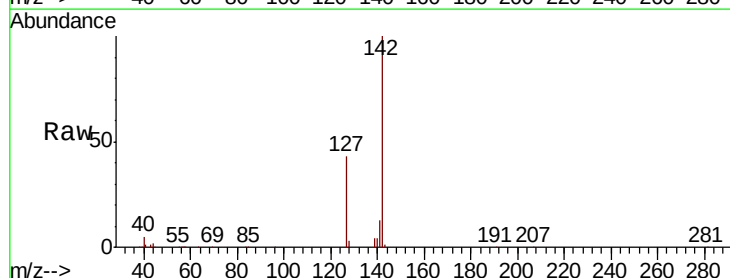
RT: 4.30 min Scan# 404

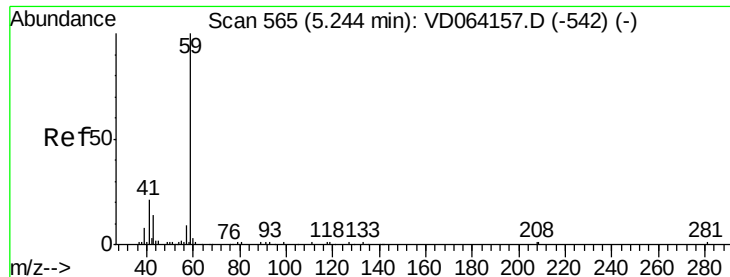
Delta R.T. 0.00 min

Lab File: VD064240.D

Acq: 15 Nov 2019 21:46

Tgt Ion:	142	Resp:	315145
Ion Ratio	Lower	Upper	
142	100		
127	43.0	34.4	51.6
141	14.6	11.2	16.8





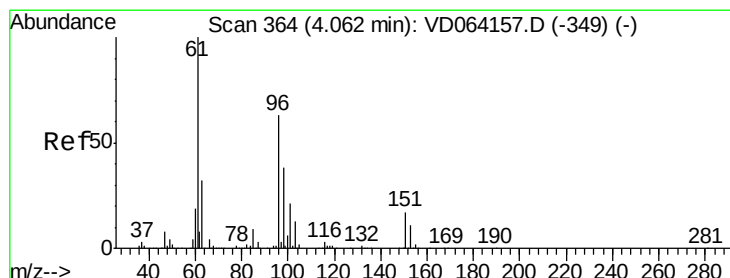
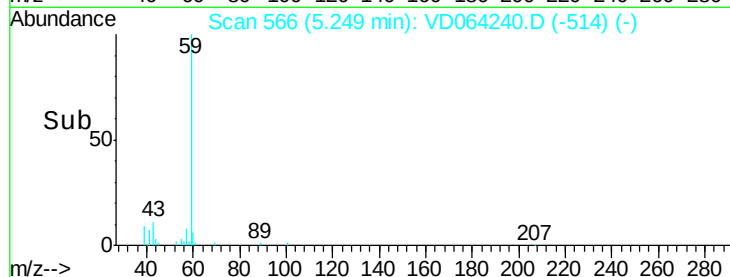
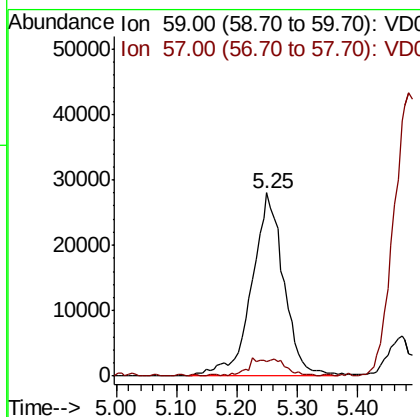
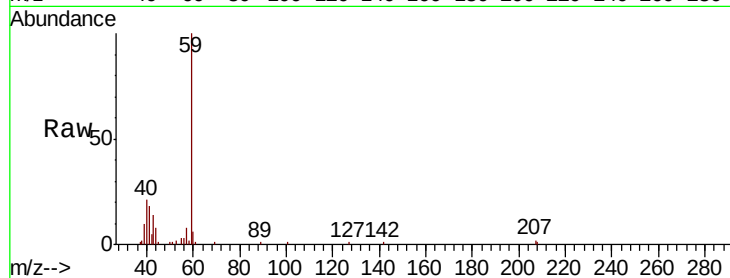
#11
Tert butyl alcohol
Concen: 297.014 ug/l
RT: 5.25 min Scan# 566
Delta R.T. 0.01 min
Lab File: VD064240.D
Acq: 15 Nov 2019 21:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	9.4	14.2#

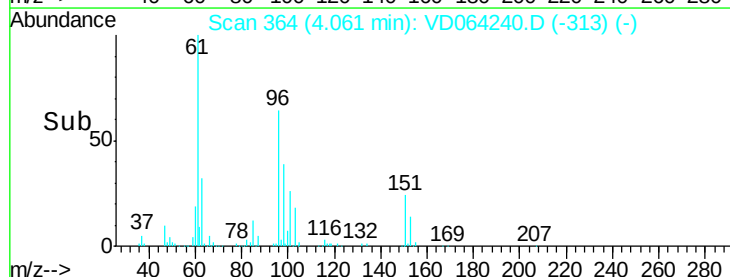
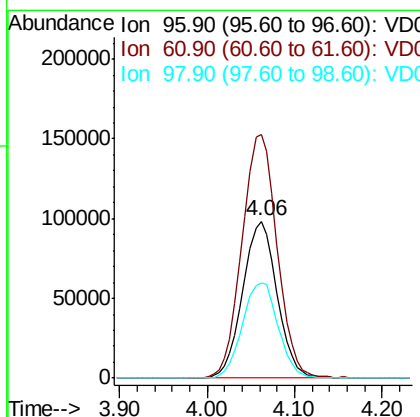
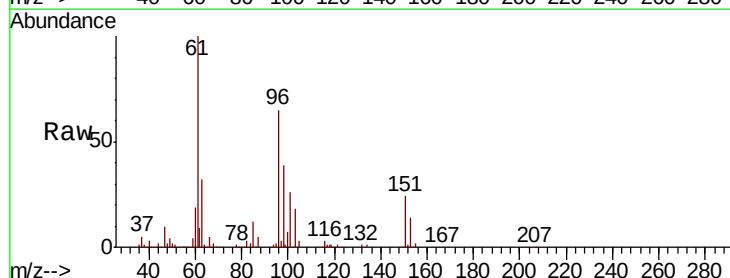
Manual Integrations
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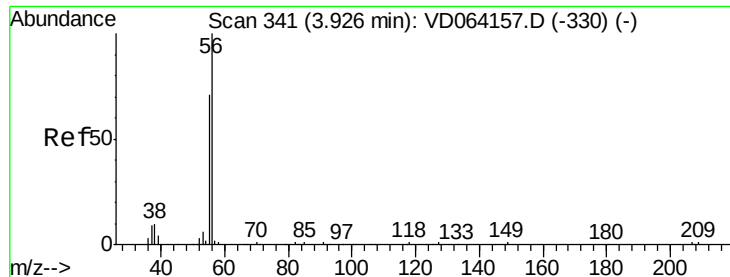
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#12
1,1-Dichloroethene
Concen: 51.875 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.00 min
Lab File: VD064240.D
Acq: 15 Nov 2019 21:46

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.0	127.4	191.2
98	60.7	48.1	72.1





#13

Acrolein

Concen: 340.716 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD064240.D

Acq: 15 Nov 2019 21:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 100106

Ion Ratio Lower Upper

56 100

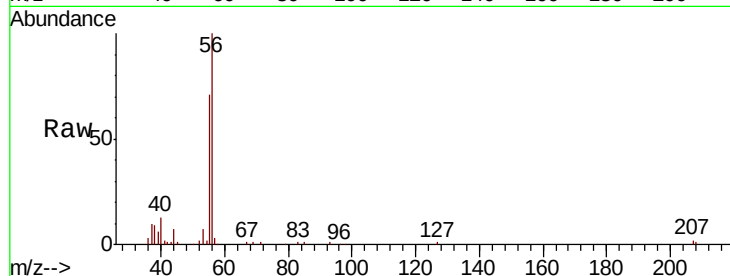
55 69.9 56.1 84.1

Manual Integrations

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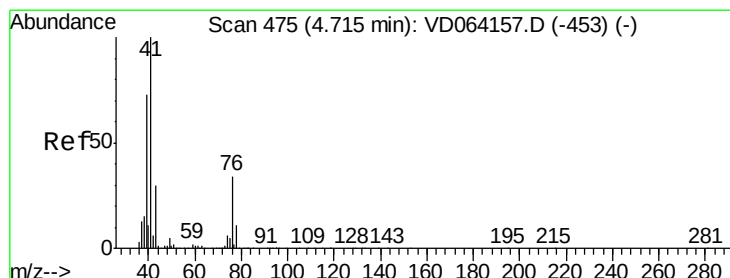
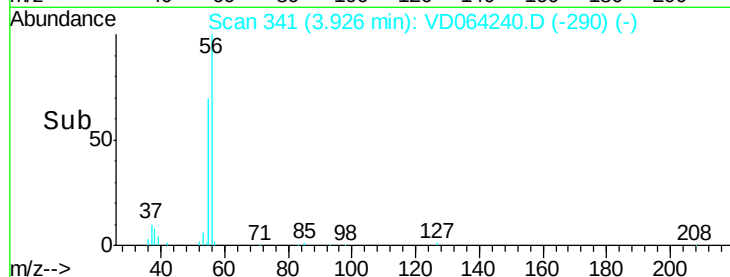
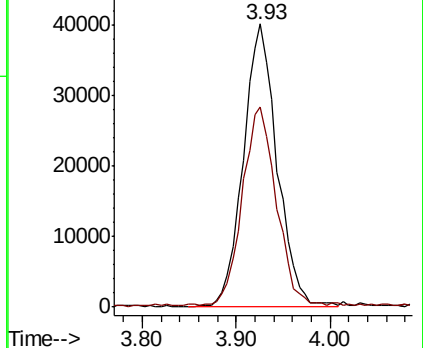
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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 49.878 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD064240.D

Acq: 15 Nov 2019 21:46

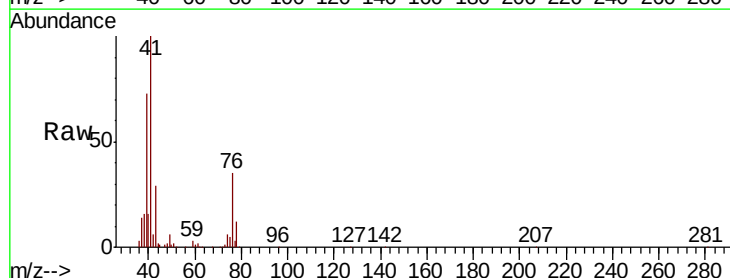
Tgt Ion: 41 Resp: 448029

Ion Ratio Lower Upper

41 100

39 74.8 57.5 86.3

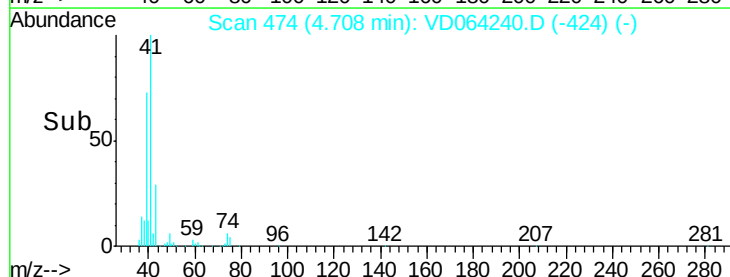
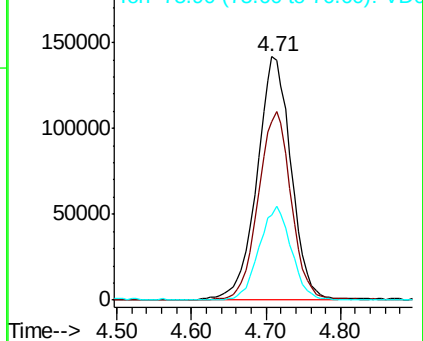
76 36.2 26.8 40.2

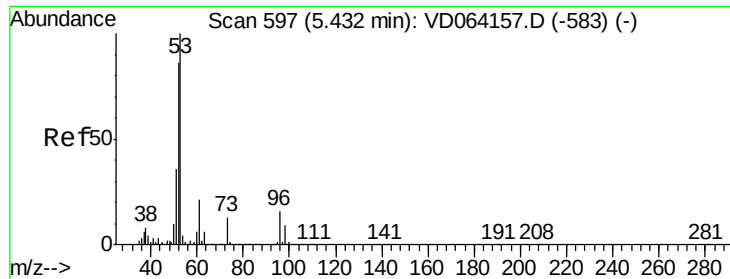


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 296.835 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD064240.D

Acq: 15 Nov 2019 21:46

Instrument :

MSVOA_D

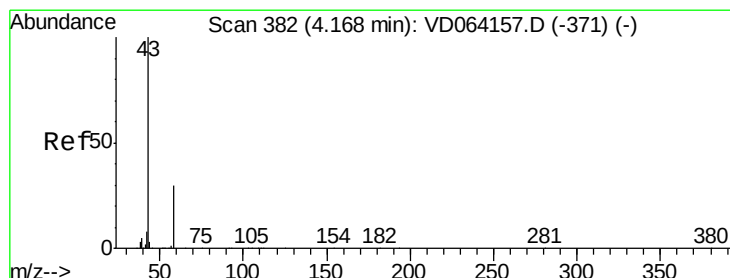
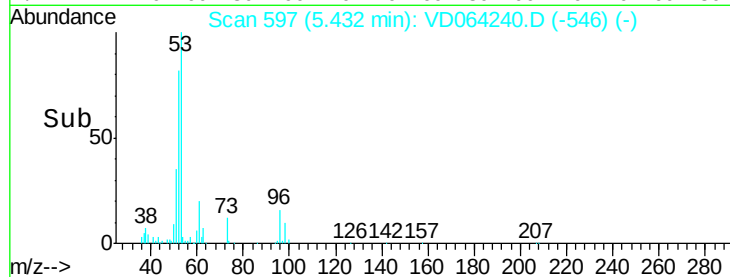
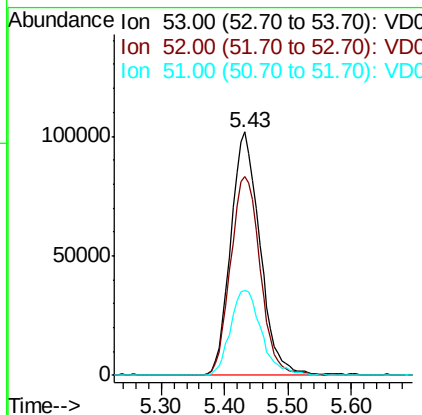
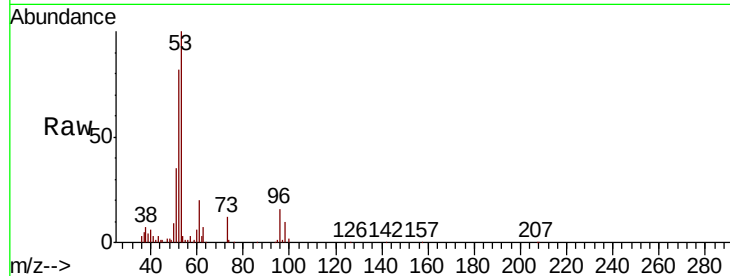
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	324464
Ion	Ratio	Lower	Upper
53	100		
52	82.8	66.7	100.1
51	37.1	30.6	46.0

Manual Integrations
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#16

Acetone

Concen: 205.937 ug/l

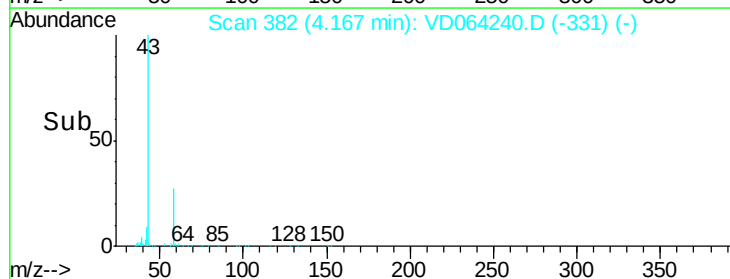
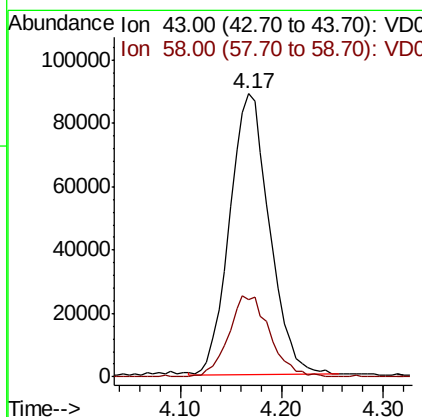
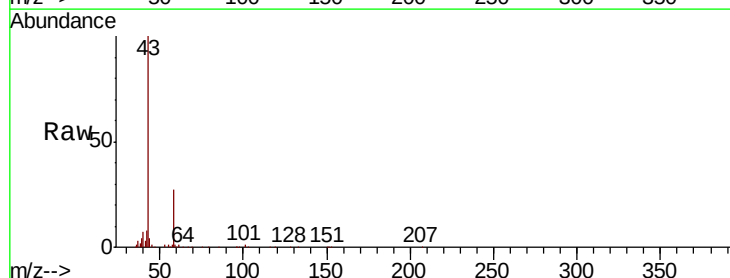
RT: 4.17 min Scan# 382

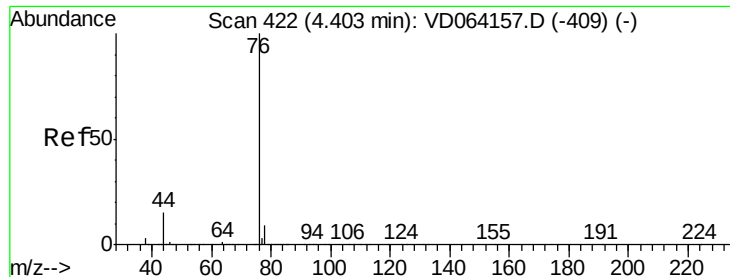
Delta R.T. -0.00 min

Lab File: VD064240.D

Acq: 15 Nov 2019 21:46

Tgt Ion:	43	Resp:	242589
Ion	Ratio	Lower	Upper
43	100		
58	27.3	24.1	36.1





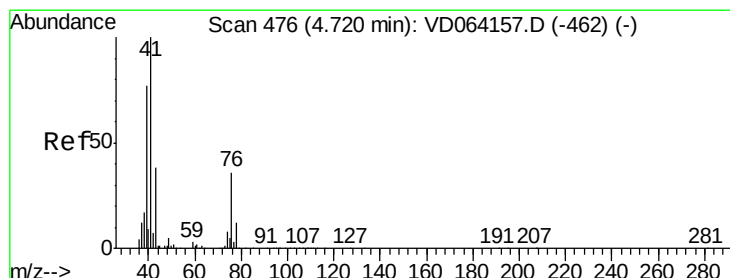
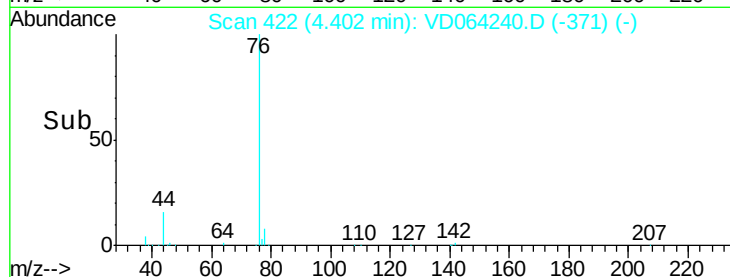
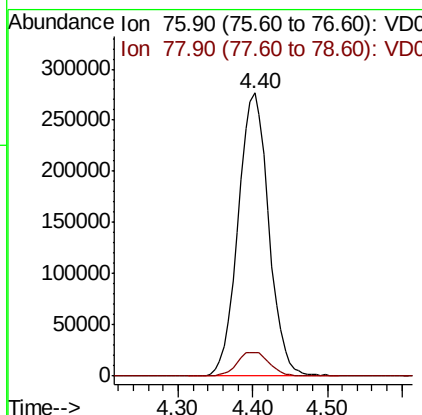
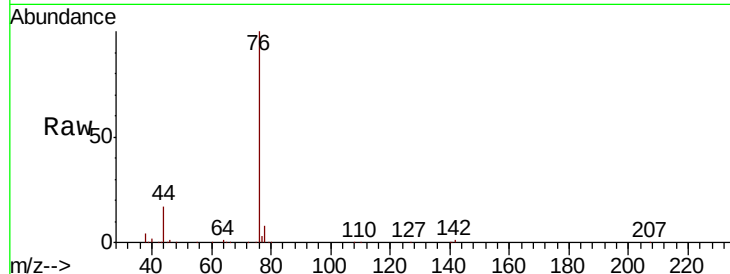
#17
Carbon Disulfide
Concen: 49.817 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.00 min
Lab File: VD064240.D
Acq: 15 Nov 2019 21:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 788165
Ion Ratio Lower Upper
76 100
78 8.5 7.2 10.8

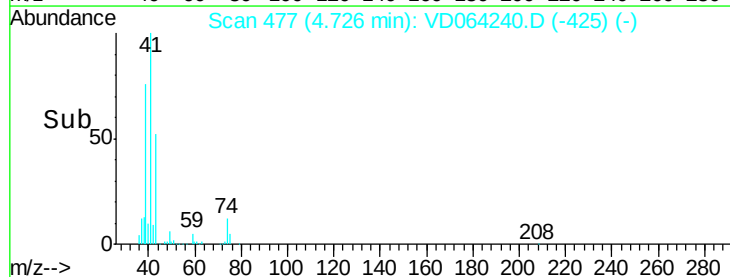
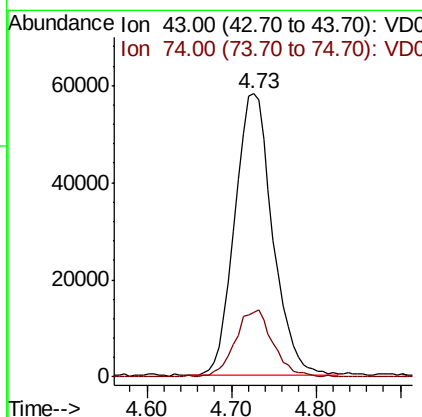
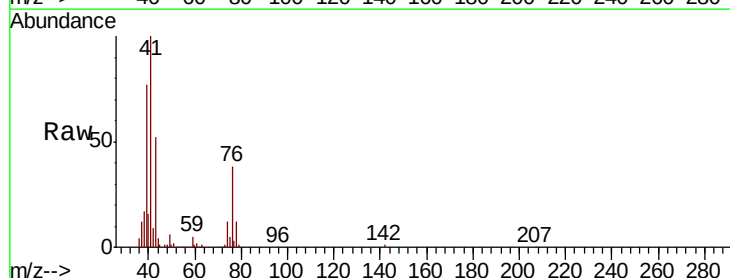
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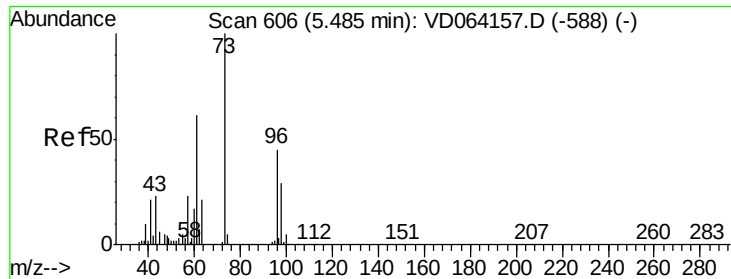
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#18
Methyl Acetate
Concen: 54.585 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.01 min
Lab File: VD064240.D
Acq: 15 Nov 2019 21:46

Tgt Ion: 43 Resp: 179592
Ion Ratio Lower Upper
43 100
74 23.8 18.4 27.6





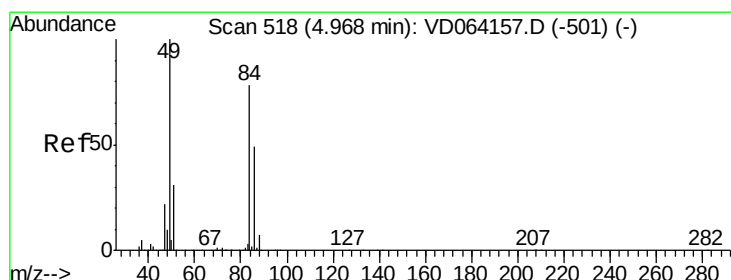
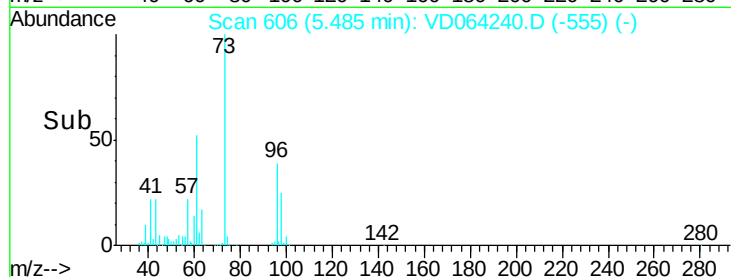
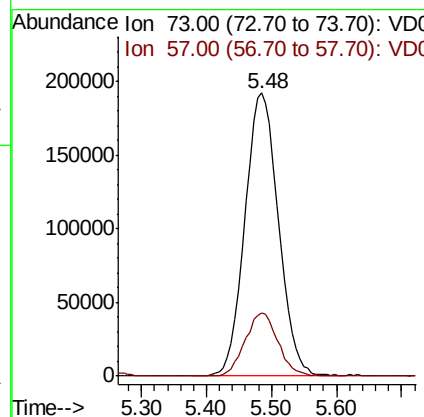
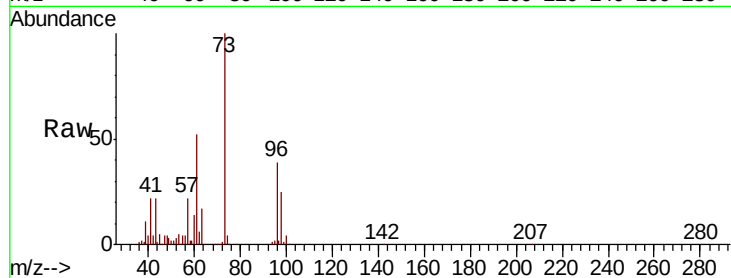
#19
Methyl tert-butyl Ether
Concen: 56.633 ug/l
RT: 5.48 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD064240.D
Acq: 15 Nov 2019 21:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 686849
Ion Ratio Lower Upper
73 100
57 22.5 18.4 27.6

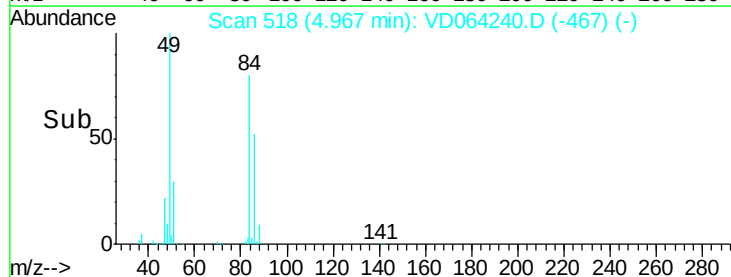
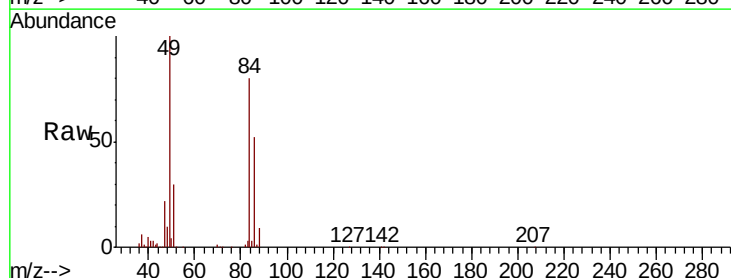
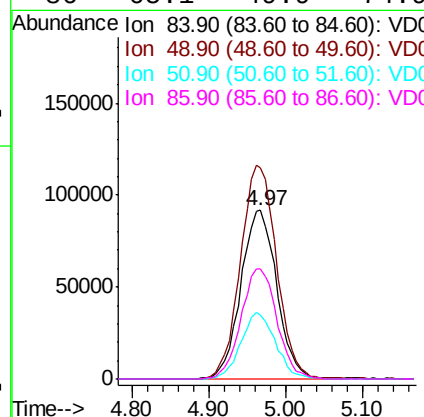
Manual Integrations
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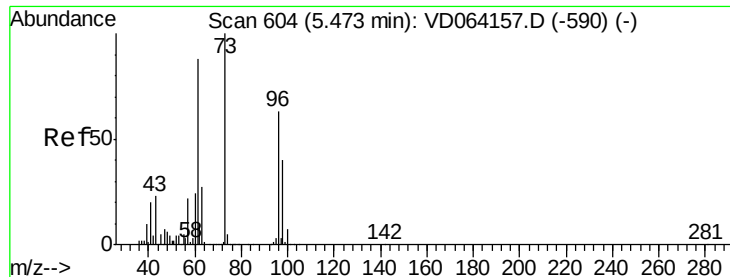
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#20
Methylene Chloride
Concen: 50.434 ug/l
RT: 4.97 min Scan# 518
Delta R.T. -0.00 min
Lab File: VD064240.D
Acq: 15 Nov 2019 21:46

Tgt Ion: 84 Resp: 300099
Ion Ratio Lower Upper
84 100
49 125.4 102.1 153.1
51 38.0 32.2 48.2
86 65.1 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 52.392 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.00 min

Lab File: VD064240.D

Acq: 15 Nov 2019 21:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 301559

Ion Ratio Lower Upper

96 100

61 134.9 111.8 167.6

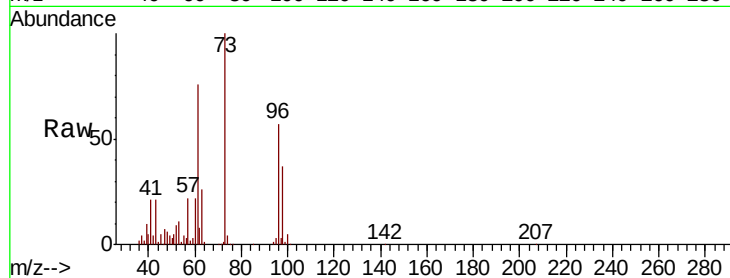
98 64.8 50.3 75.5

Manual Integrations

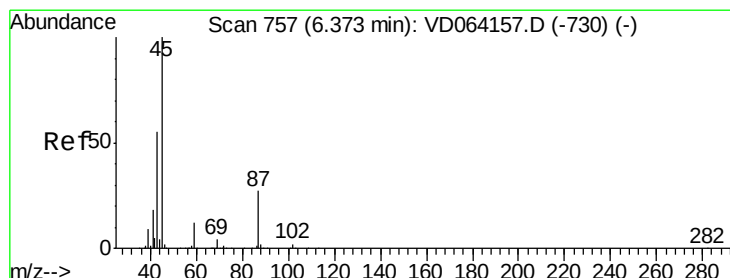
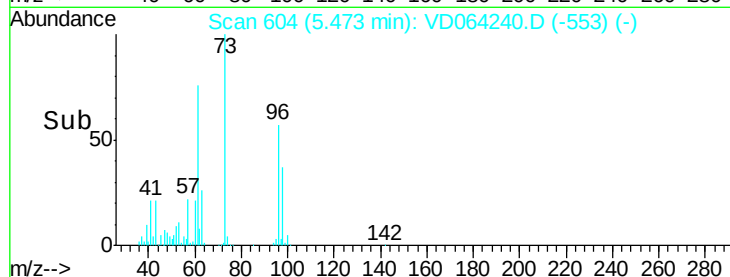
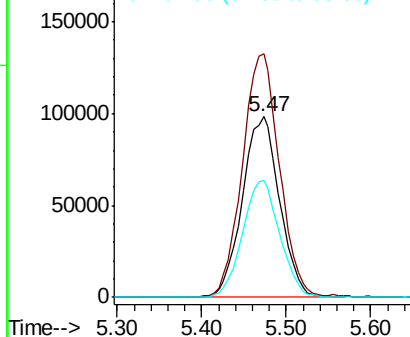
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Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 53.649 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064240.D

Acq: 15 Nov 2019 21:46

Tgt Ion: 45 Resp: 894131

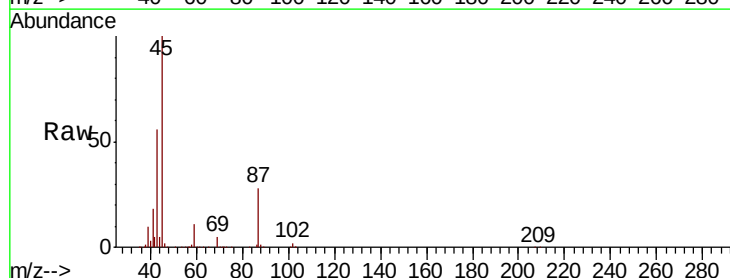
Ion Ratio Lower Upper

45 100

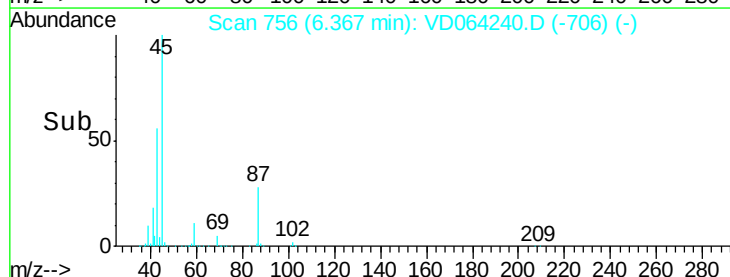
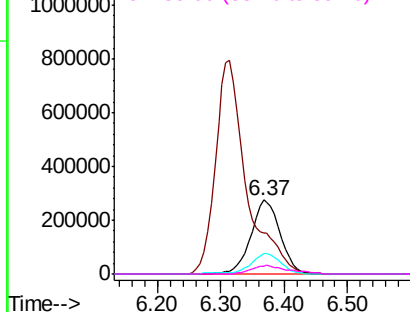
43 55.4 44.4 66.6

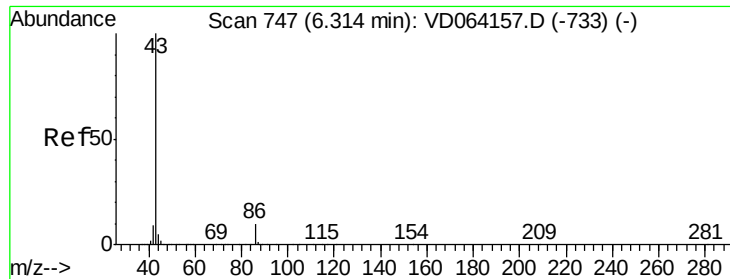
87 27.5 21.9 32.9

59 10.8 9.4 14.2



Abundance Ion 45.00 (44.70 to 45.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 291.226 ug/l

RT: 6.31 min Scan# 747

Delta R.T. -0.00 min

Lab File: VD064240.D

Acq: 15 Nov 2019 21:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2705531

Ion Ratio Lower Upper

43 100

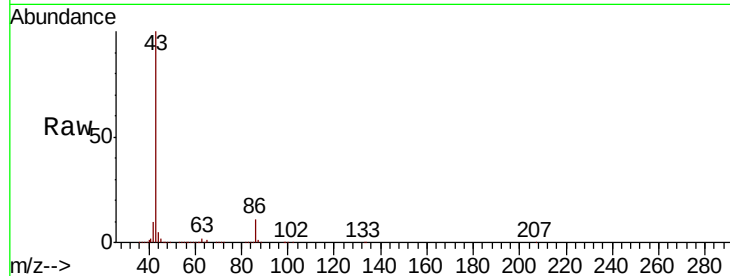
86 11.0 8.2 12.2

Manual Integrations

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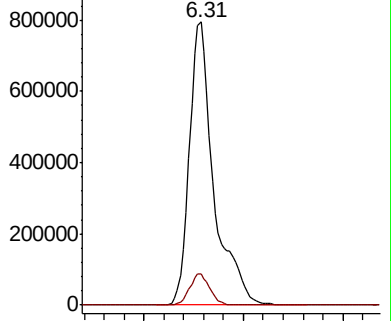
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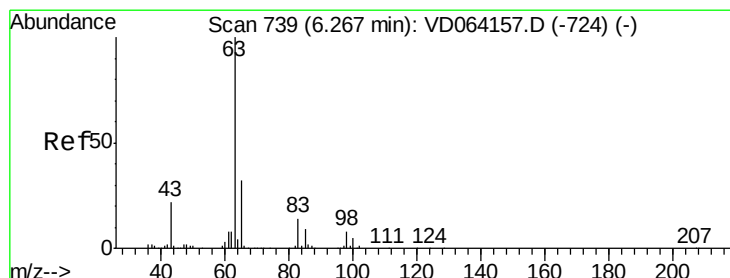
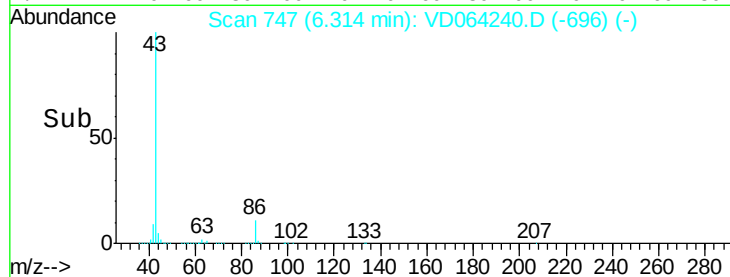


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



Time-->



#24

1,1-Dichloroethane

Concen: 53.236 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD064240.D

Acq: 15 Nov 2019 21:46

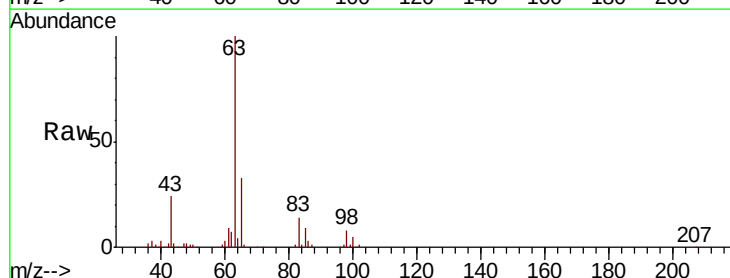
Tgt Ion: 63 Resp: 515156

Ion Ratio Lower Upper

63 100

98 8.2 3.8 11.4

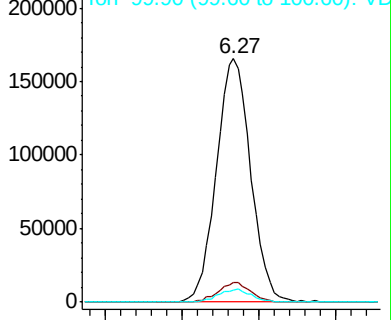
100 5.1 2.4 7.2



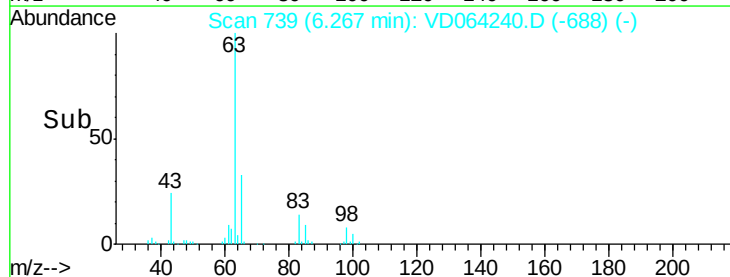
Abundance Ion 62.90 (62.60 to 63.60): VDC

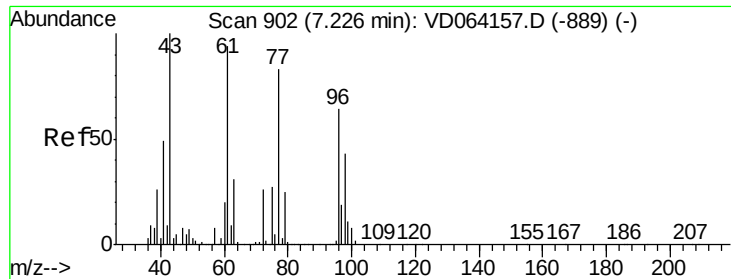
Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC



Time-->





#25

2-Butanone

Concen: 266.491 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD064240.D

Acq: 15 Nov 2019 21:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 405567

Ion Ratio Lower Upper

43 100

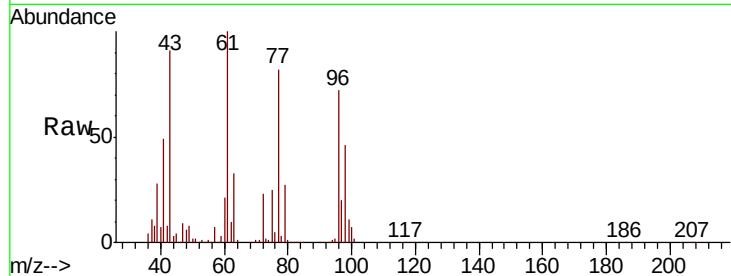
72 25.7 20.6 30.8

Manual Integrations

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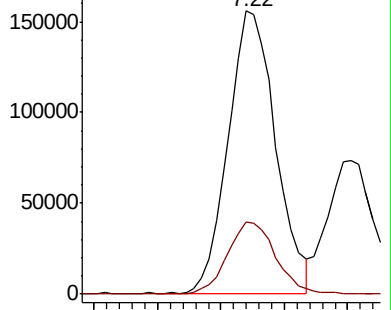
MMDADODA

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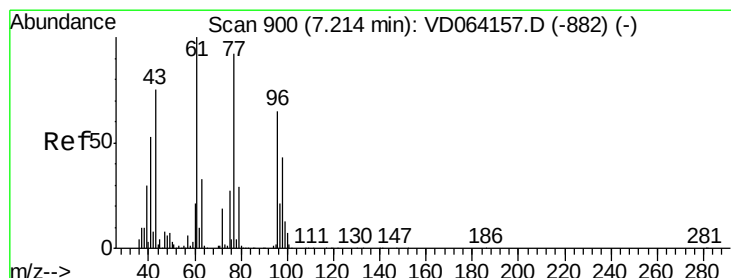
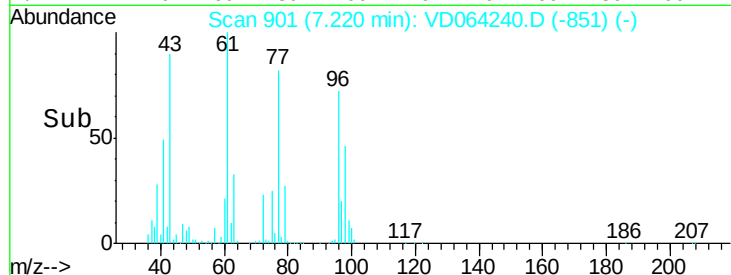


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



Time-->



#26

2,2-Dichloropropane

Concen: 46.975 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064240.D

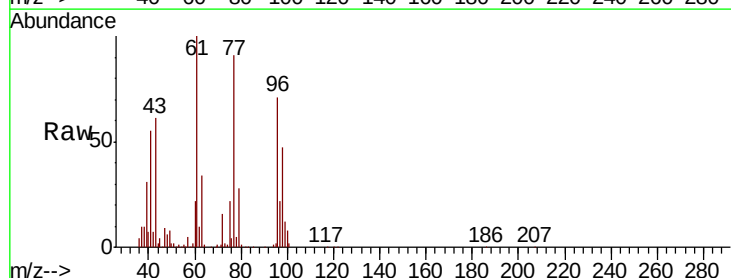
Acq: 15 Nov 2019 21:46

Tgt Ion: 77 Resp: 445791

Ion Ratio Lower Upper

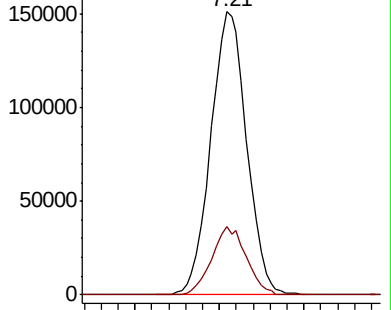
77 100

97 23.3 11.1 33.3

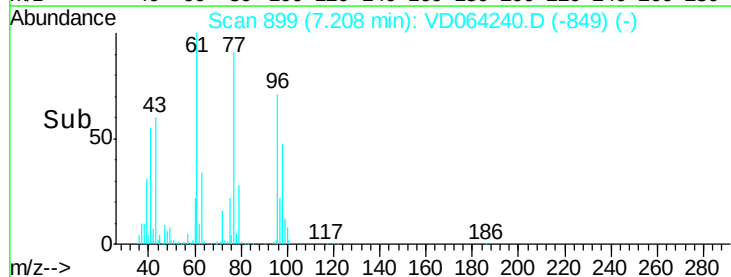


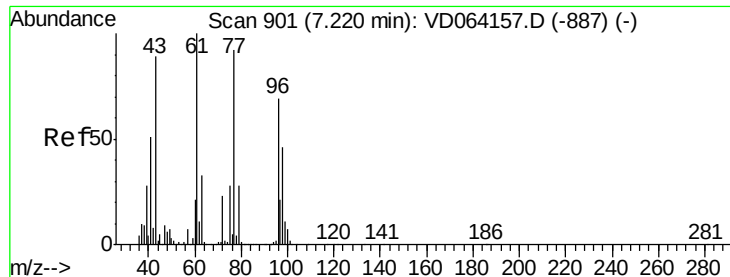
Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC



Time-->





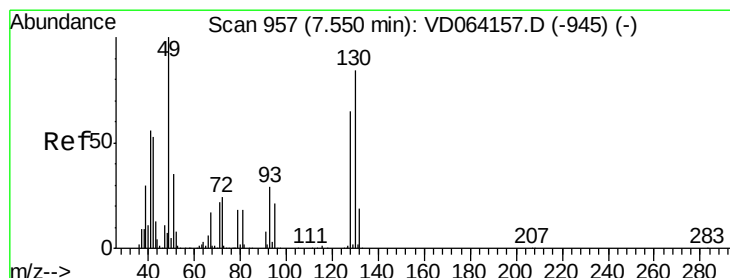
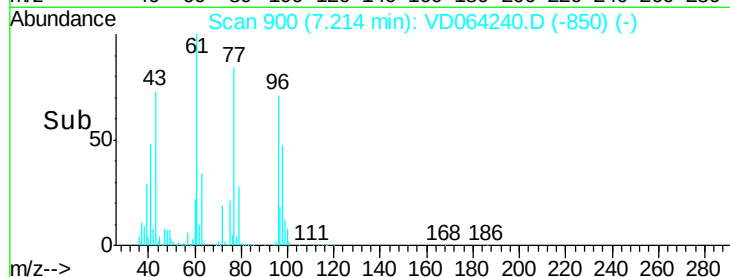
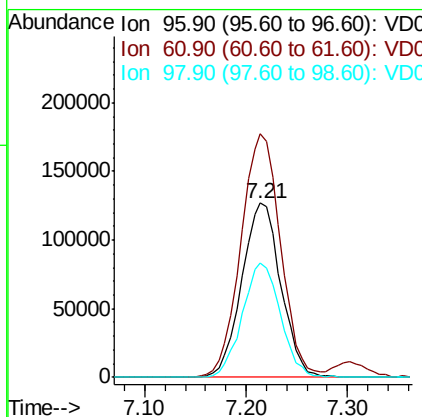
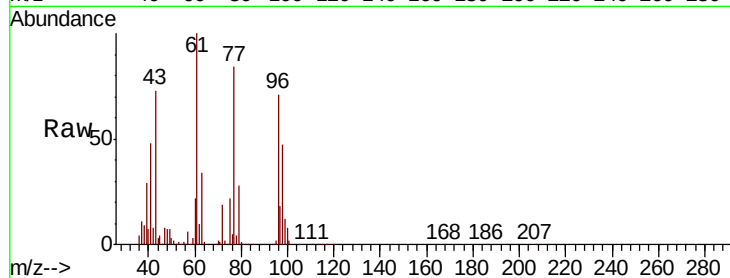
#27
 cis-1,2-Dichloroethene
 Concen: 54.914 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. -0.01 min
 Lab File: VD064240.D
 Acq: 15 Nov 2019 21:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	141.9	0.0	301.4	
98	64.5	0.0	133.2	

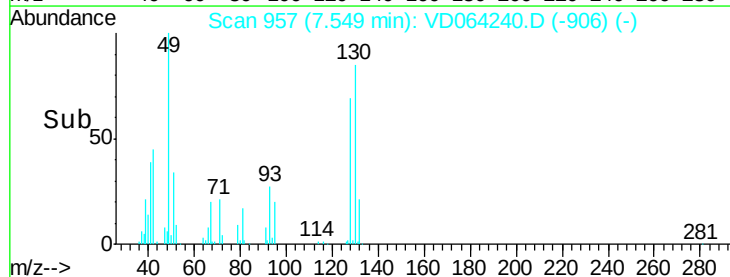
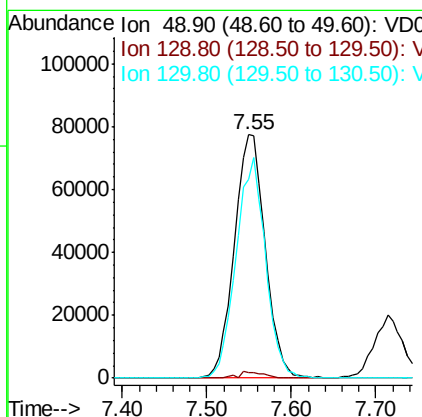
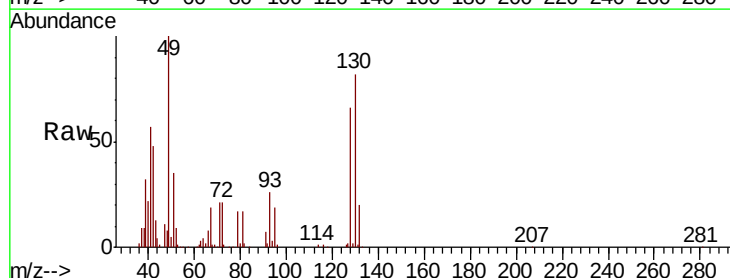
Manual Integrations
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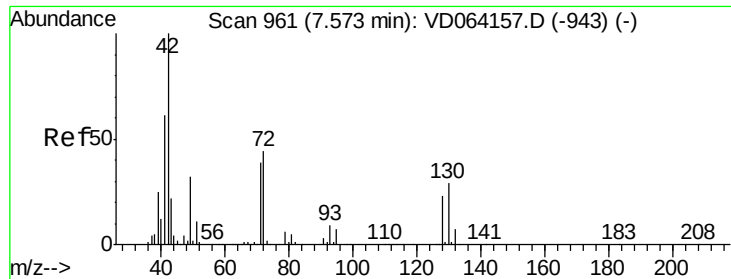
MMDADODA
 11/19/2019 12:22:41 PM



#28
 Bromochloromethane
 Concen: 58.084 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. -0.00 min
 Lab File: VD064240.D
 Acq: 15 Nov 2019 21:46

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.1	0.0	4.4	
130	86.6	66.8	100.2	





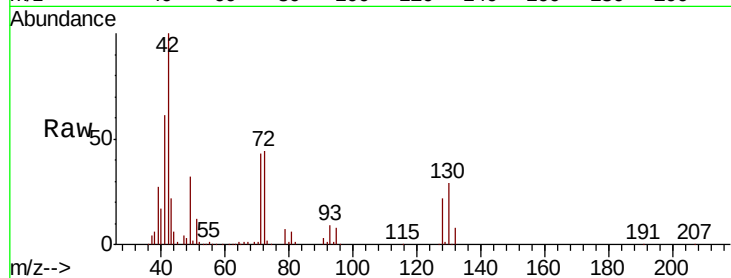
#29
Tetrahydrofuran
Concen: 291.903 ug/l
RT: 7.57 min Scan# 961
Delta R.T. -0.00 min
Lab File: VD064240.D
Acq: 15 Nov 2019 21:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

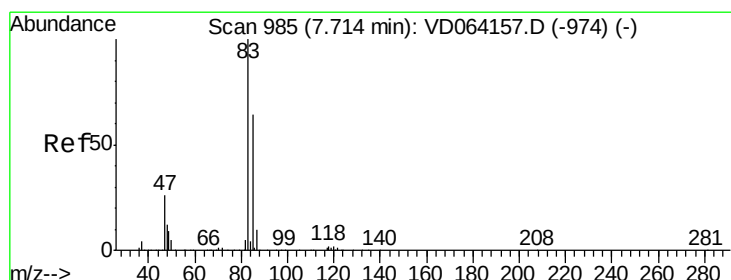
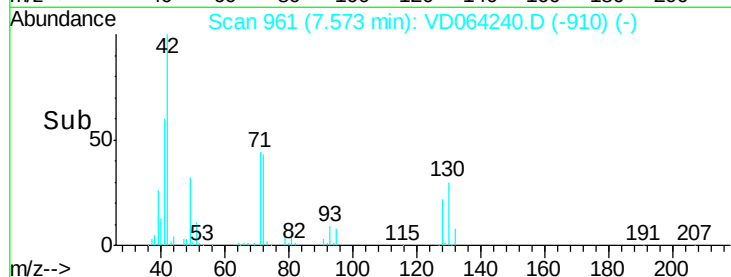
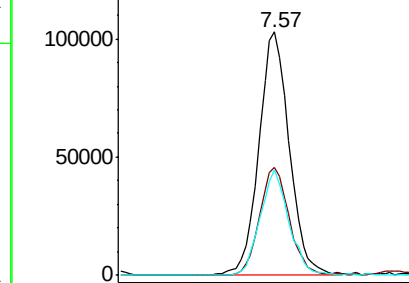
Tot Ion	Ratio	Lower	Upper
42	100		
72	43.6	33.4	50.2
71	40.9	31.0	46.4

Manual Integrations
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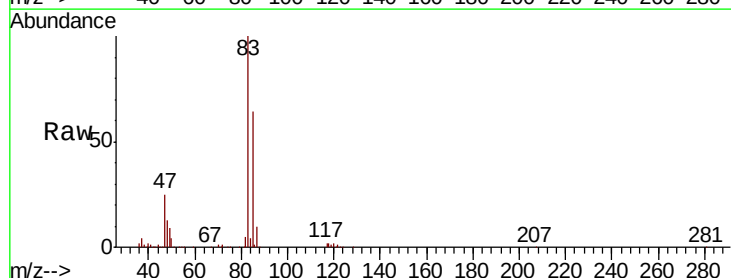


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

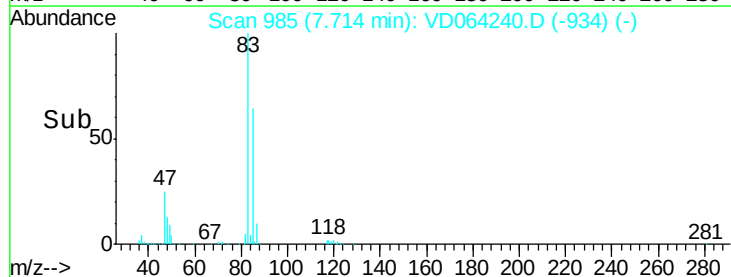
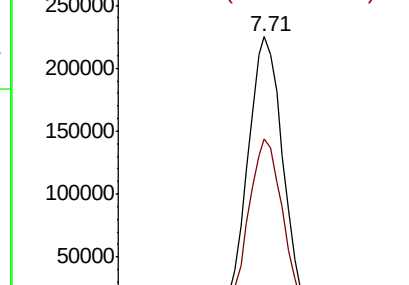


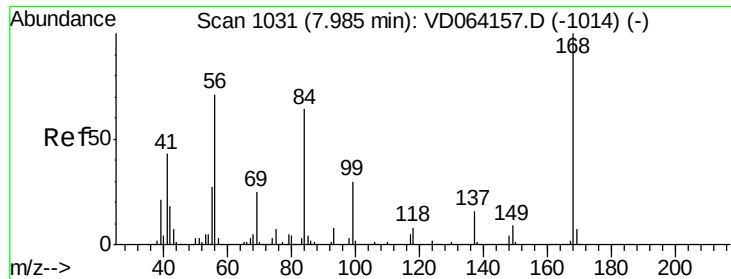
#30
Chloroform
Concen: 56.058 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD064240.D
Acq: 15 Nov 2019 21:46

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.4	77.0



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC





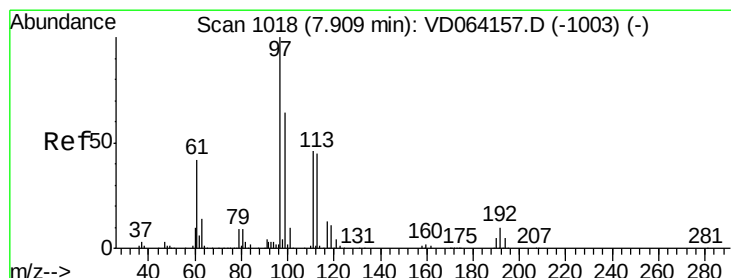
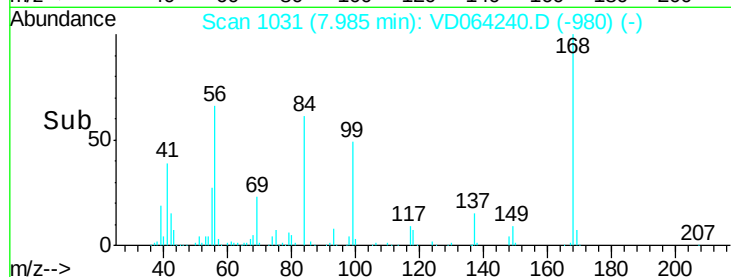
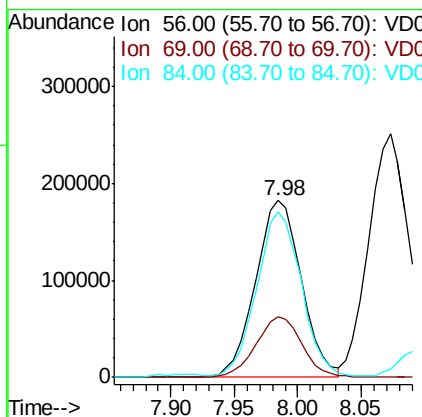
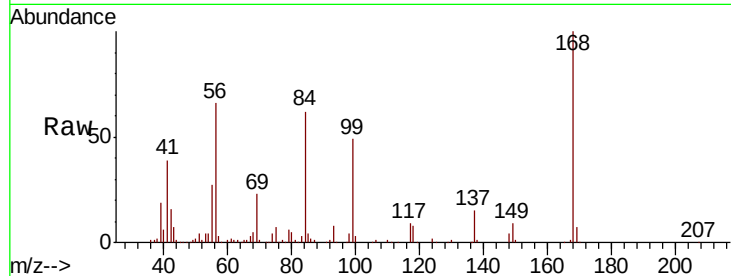
#31
Cyclohexane
Concen: 47.029 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD064240.D
Acq: 15 Nov 2019 21:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.3	28.2	42.4
84	91.5	71.8	107.6

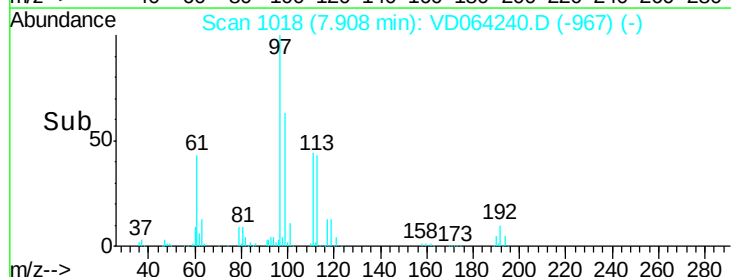
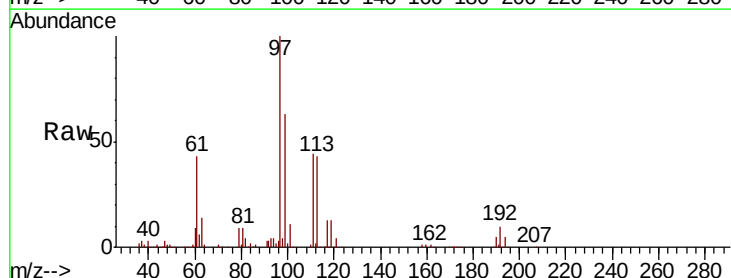
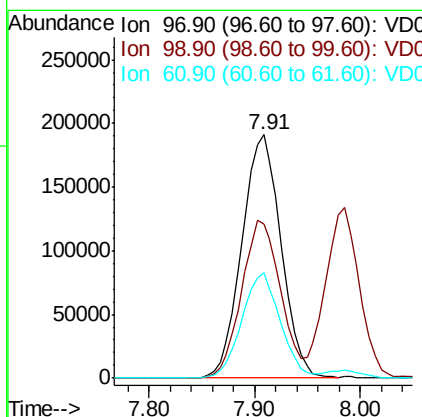
Manual Integrations
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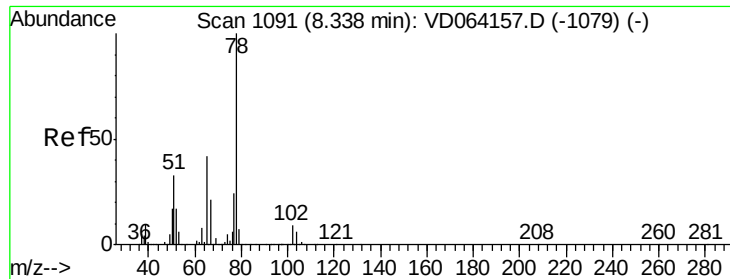
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#32
1,1,1-Trichloroethane
Concen: 51.986 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VD064240.D
Acq: 15 Nov 2019 21:46

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.6	77.4
61	42.4	34.2	51.2





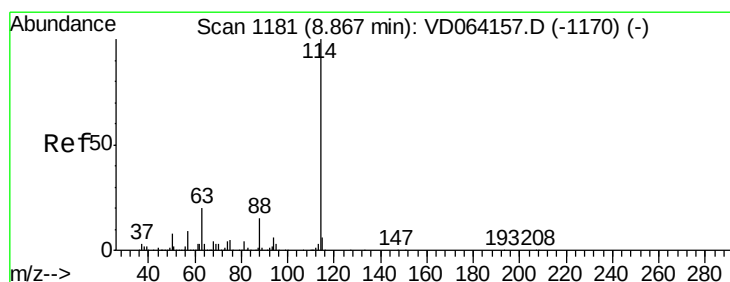
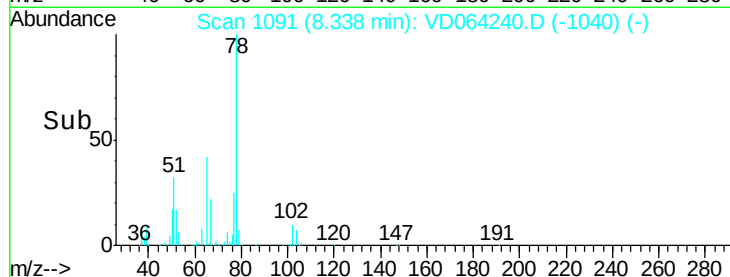
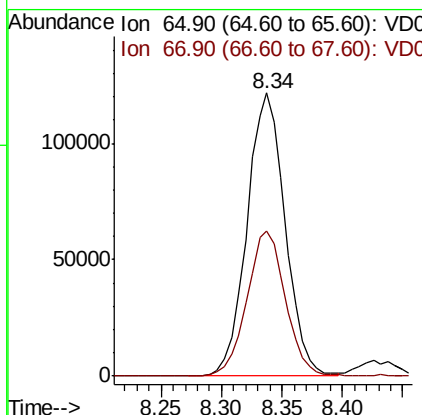
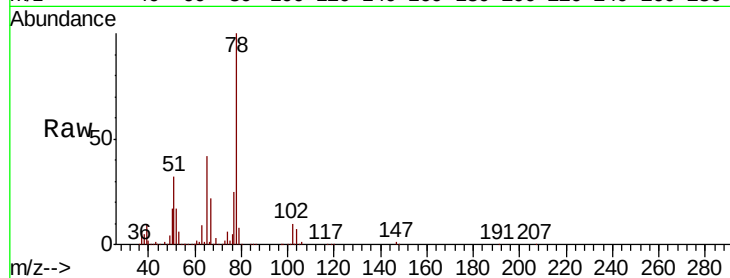
#33
 1,2-Dichloroethane-d4
 Concen: 53.599 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD064240.D
 Acq: 15 Nov 2019 21:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	104.4

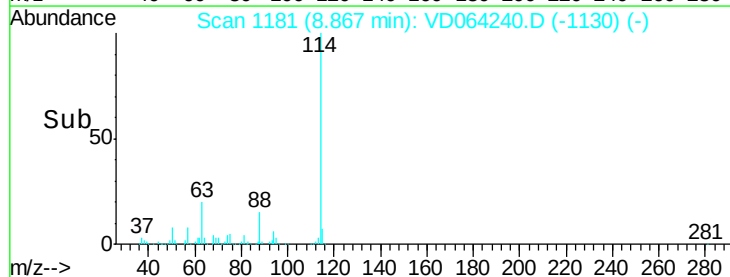
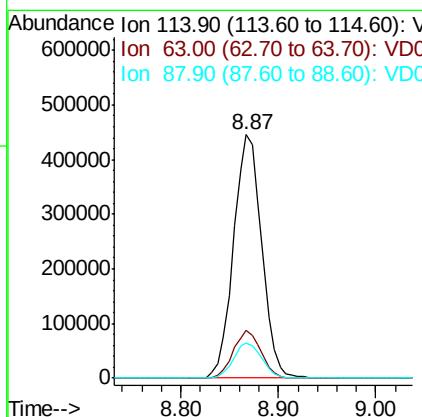
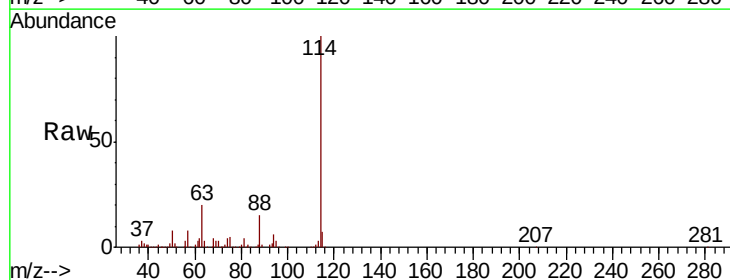
Manual Integrations
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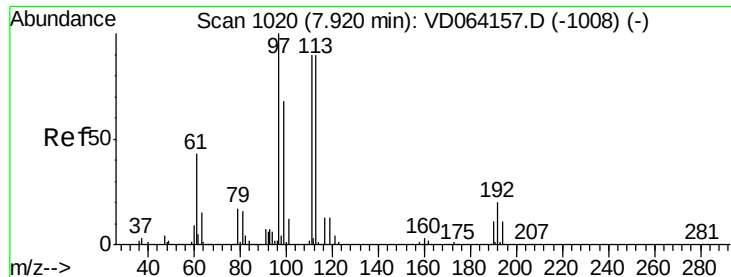
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064240.D
 Acq: 15 Nov 2019 21:46

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	40.0
88	14.6	0.0	30.2





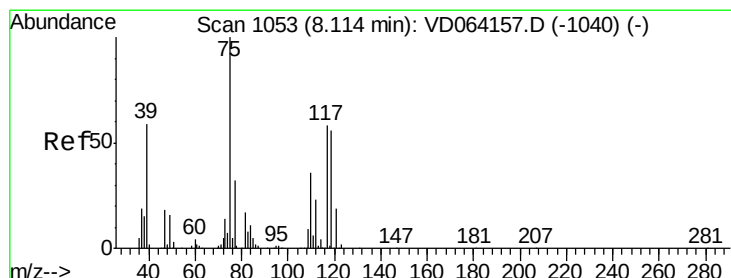
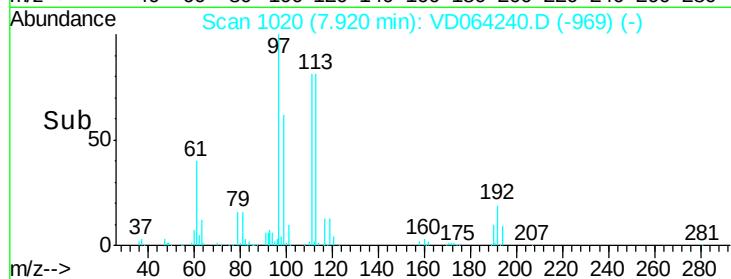
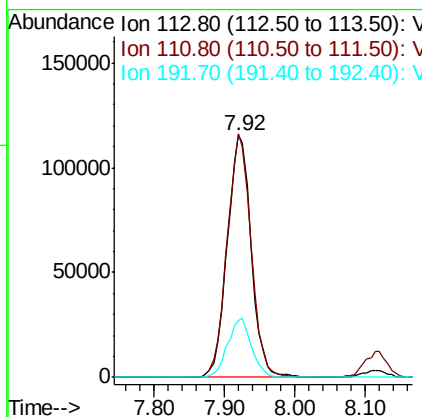
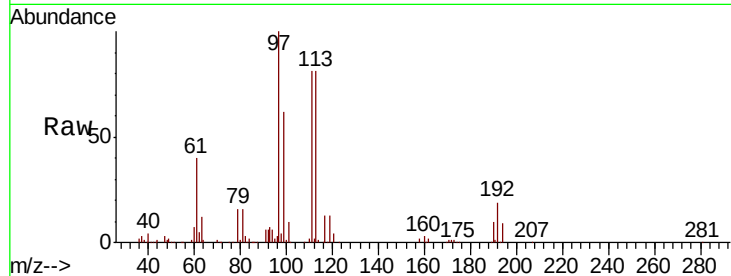
#35
Dibromofluoromethane
Concen: 52.877 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VD064240.D
Acq: 15 Nov 2019 21:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	100.8	81.5	122.3
192	23.9	18.8	28.2

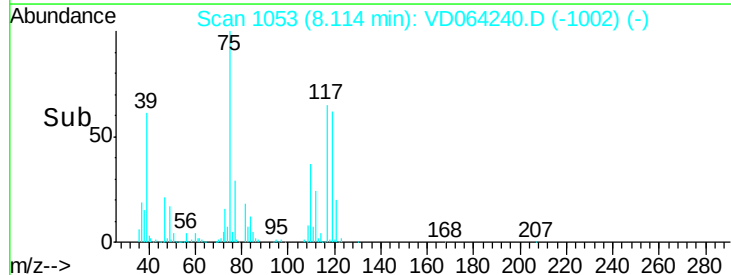
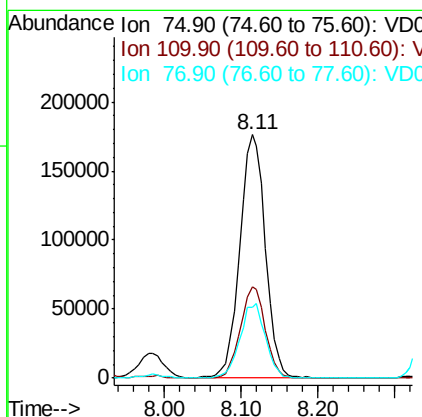
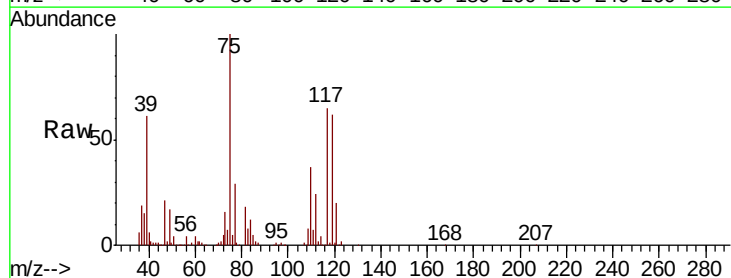
Manual Integrations
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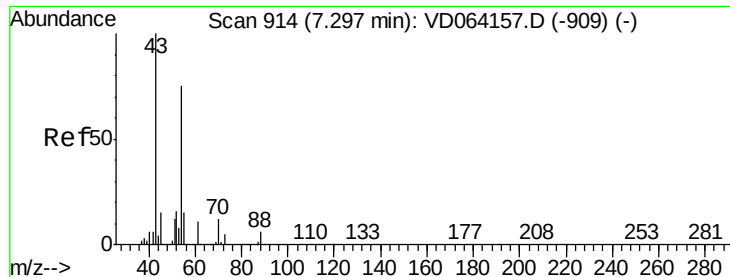
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#36
1,1-Dichloropropene
Concen: 49.630 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VD064240.D
Acq: 15 Nov 2019 21:46

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.8	18.3	54.9
77	30.6	25.0	37.6





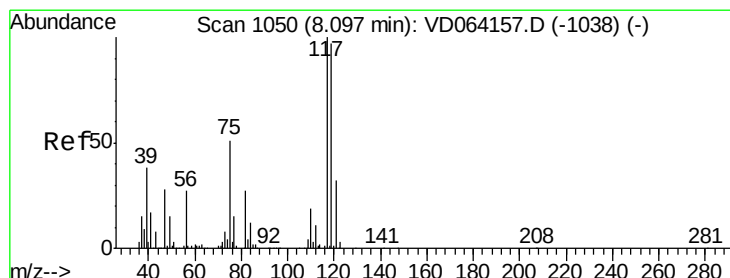
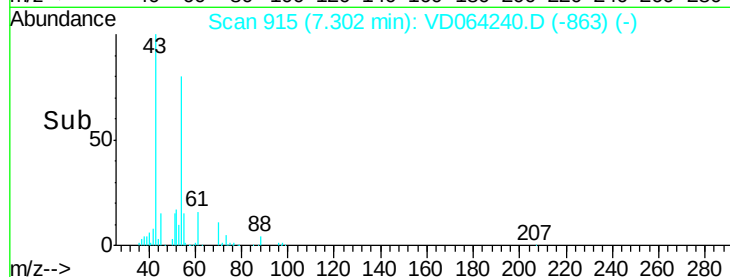
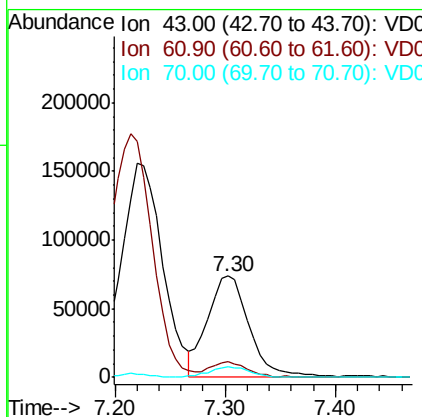
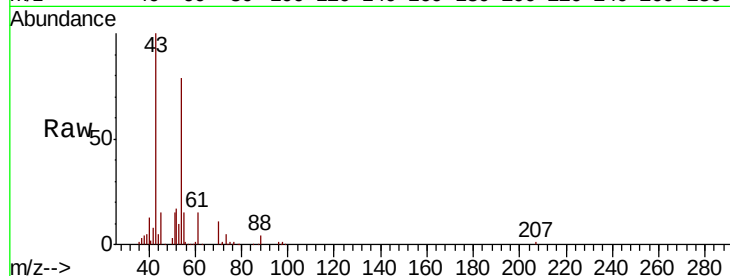
#37
Ethyl Acetate
Concen: 54.644 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD064240.D
Acq: 15 Nov 2019 21:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	189856
Ion Ratio	Lower	Upper	
43	100		
61	12.8	10.2	15.2
70	10.5	8.5	12.7

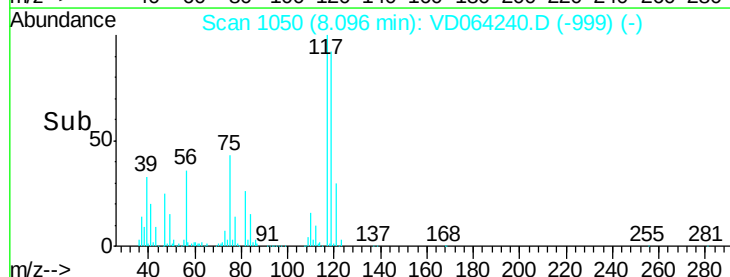
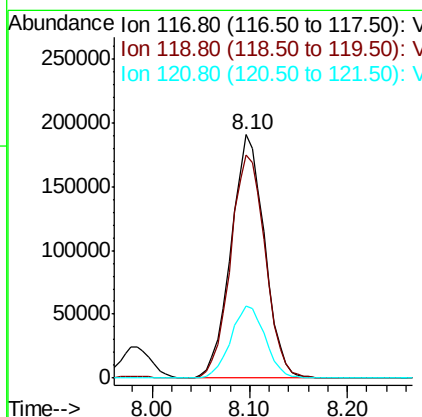
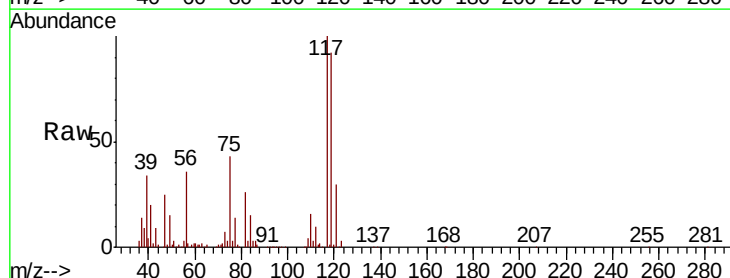
Manual Integrations
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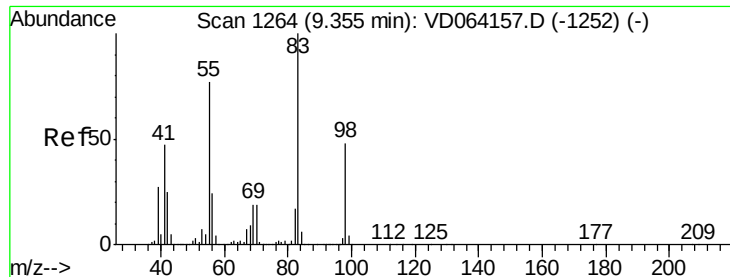
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#38
Carbon Tetrachloride
Concen: 51.534 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD064240.D
Acq: 15 Nov 2019 21:46

Tgt Ion	117	Resp	454462
Ion Ratio	Lower	Upper	
117	100		
119	91.6	77.2	115.8
121	29.8	25.5	38.3





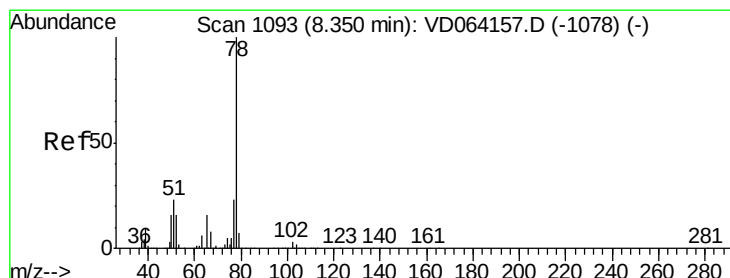
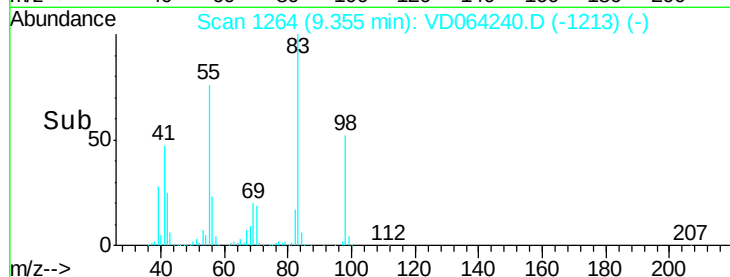
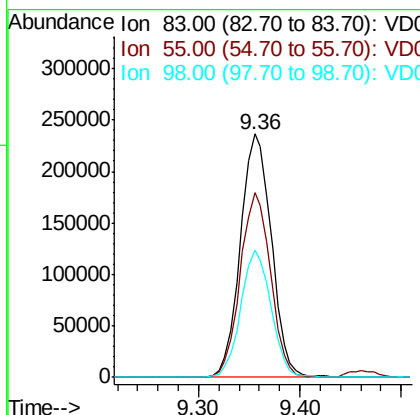
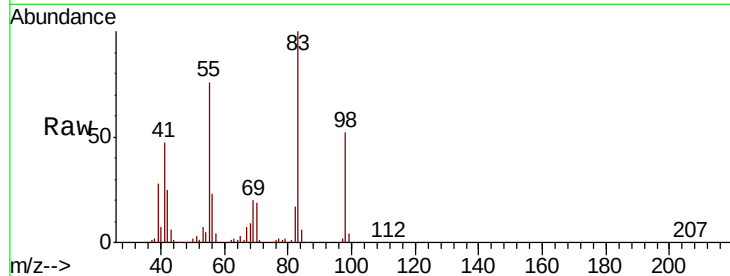
#39
Methylvlcyclohexane
Concen: 48.283 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD064240.D
Acq: 15 Nov 2019 21:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.7	61.7	92.5
98	52.4	38.6	58.0

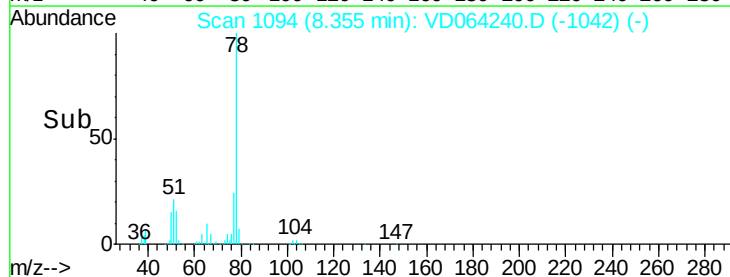
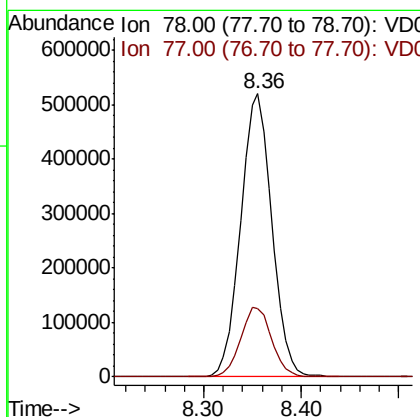
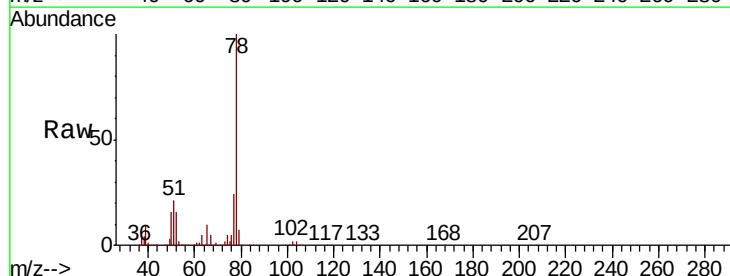
Manual Integrations
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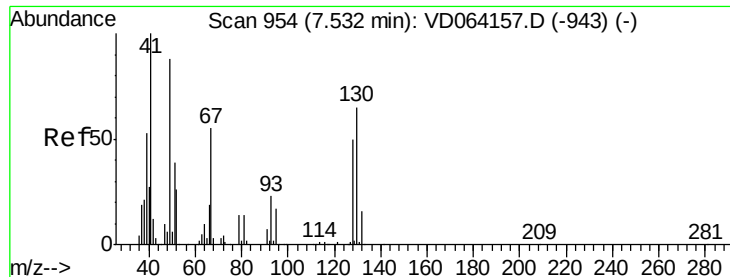
MMDADODA
11/19/2019 12:22:41 PM



#40
Benzene
Concen: 51.627 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD064240.D
Acq: 15 Nov 2019 21:46

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	18.6	28.0





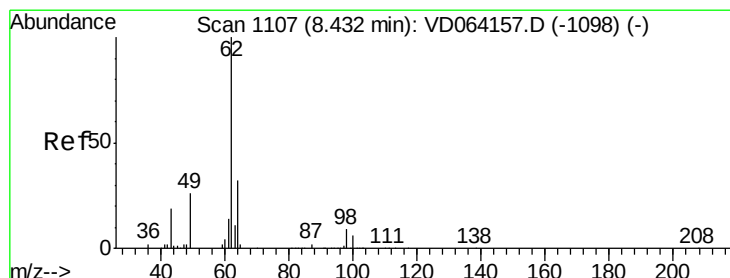
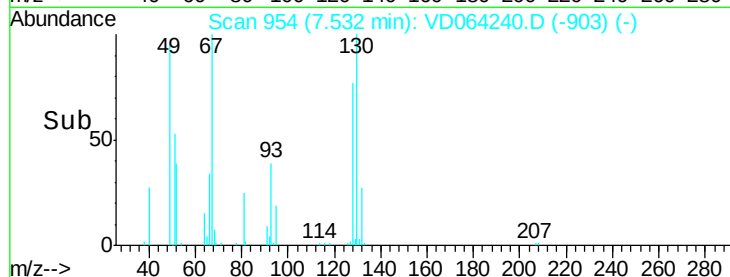
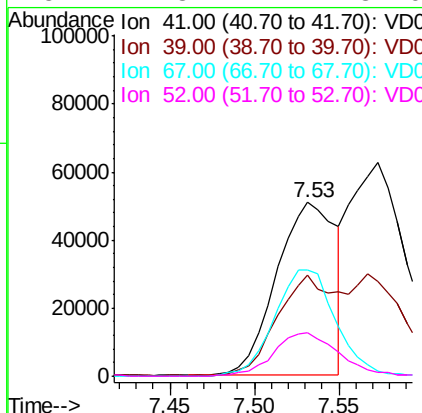
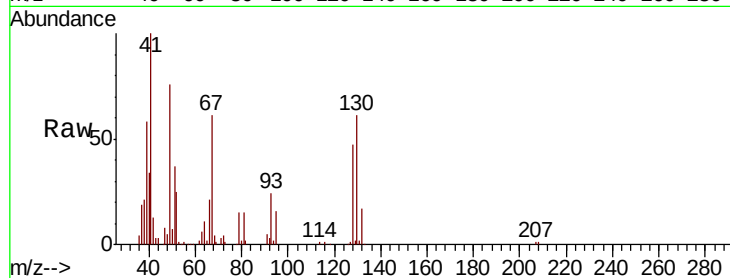
#41
Methacrylonitrile
Concen: 56.615 ug/l
RT: 7.53 min Scan# 954
Delta R.T. -0.00 min
Lab File: VD064240.D
Acq: 15 Nov 2019 21:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	49.4	49.4	74.2#
67	63.9	49.6	74.4
52	27.8	21.4	32.0

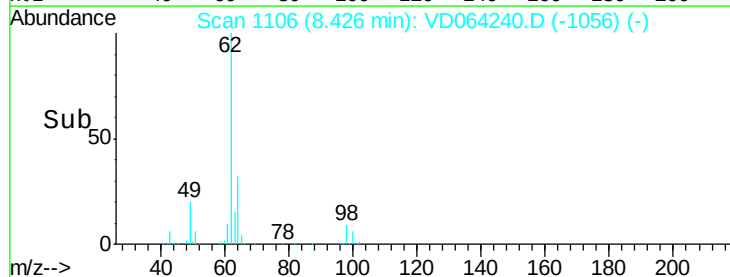
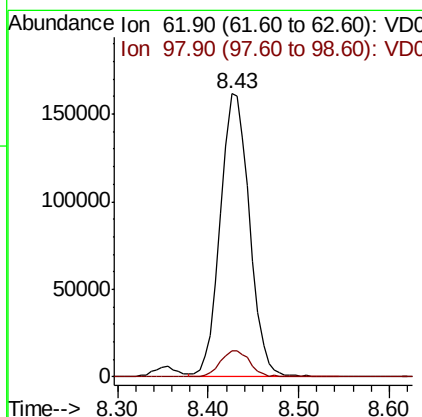
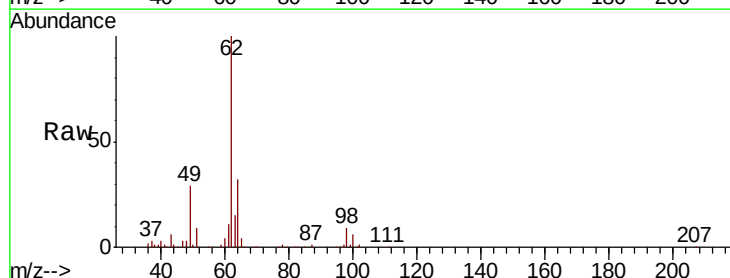
Manual Integrations
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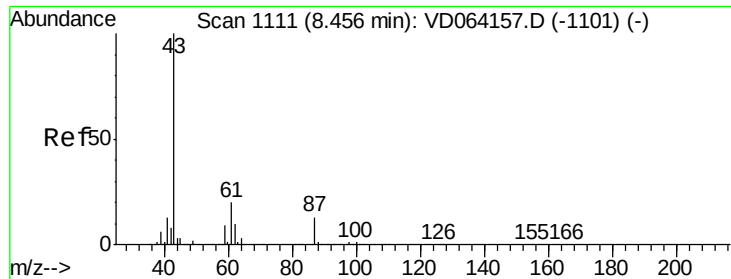
MMDADODA
11/19/2019 12:22:41 PM



#42
1,2-Dichloroethane
Concen: 53.364 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD064240.D
Acq: 15 Nov 2019 21:46

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	19.0





#43

Isopropyl Acetate

Concen: 54.230 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD064240.D

Acq: 15 Nov 2019 21:46

Instrument :

MSVOA_D

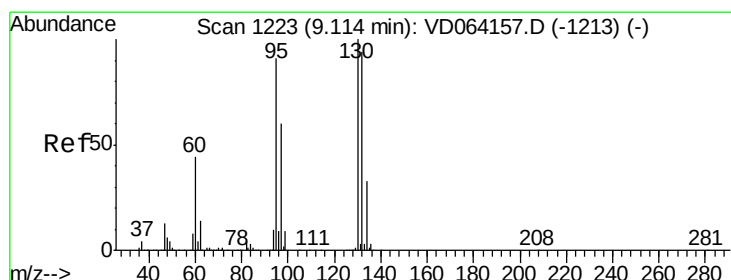
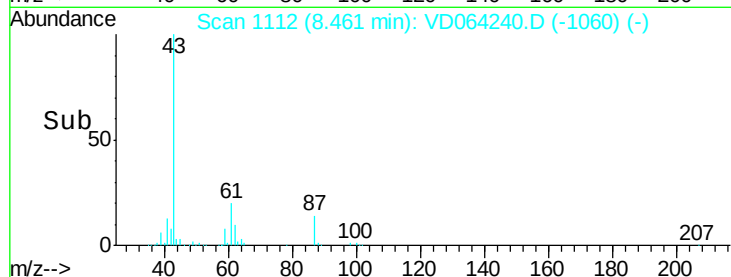
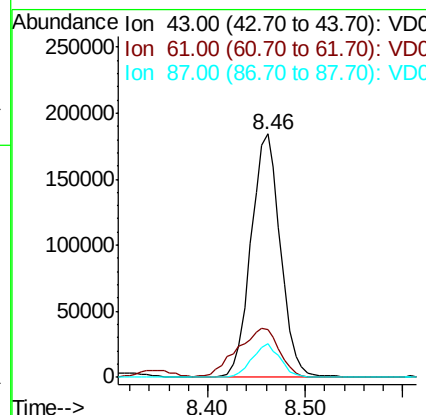
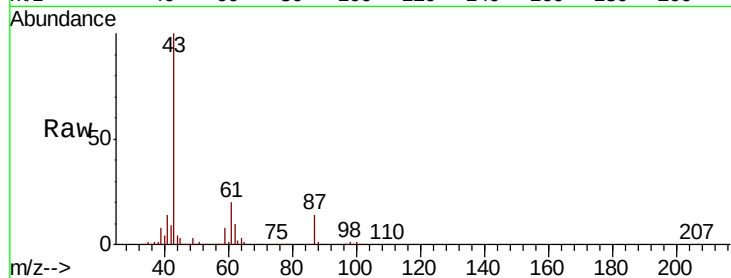
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	388219
Ion	Ratio	Lower	Upper
43	100		
61	28.8	22.9	34.3
87	13.1	10.2	15.2

Manual Integrations
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11/19/2019 12:22:41 PM



#44

Trichloroethene

Concen: 51.391 ug/l

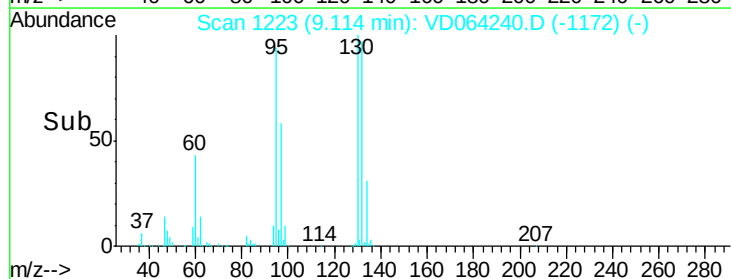
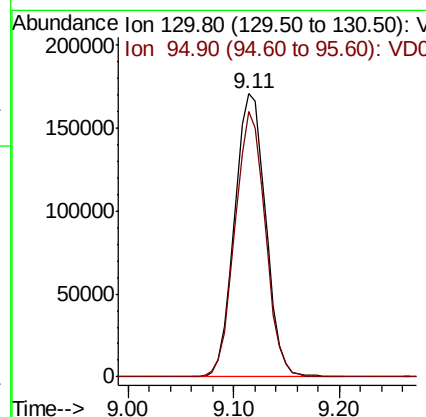
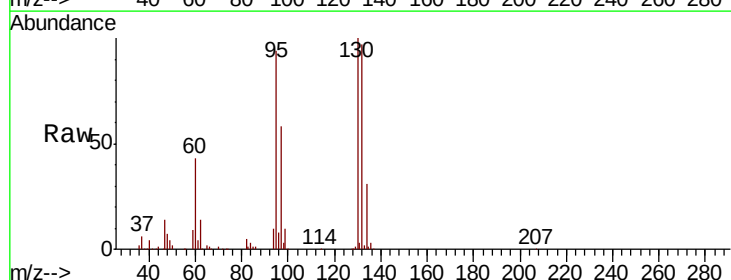
RT: 9.11 min Scan# 1223

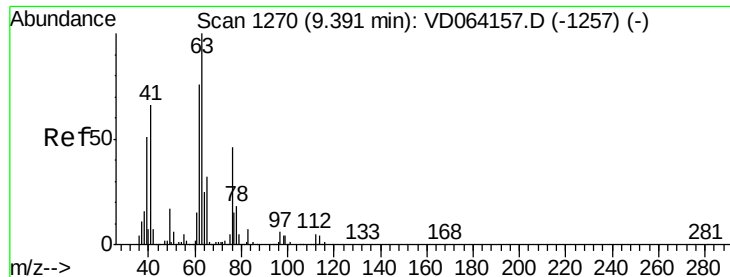
Delta R.T. -0.00 min

Lab File: VD064240.D

Acq: 15 Nov 2019 21:46

Tgt Ion:	130	Resp:	347415
Ion	Ratio	Lower	Upper
130	100		
95	93.8	0.0	181.6





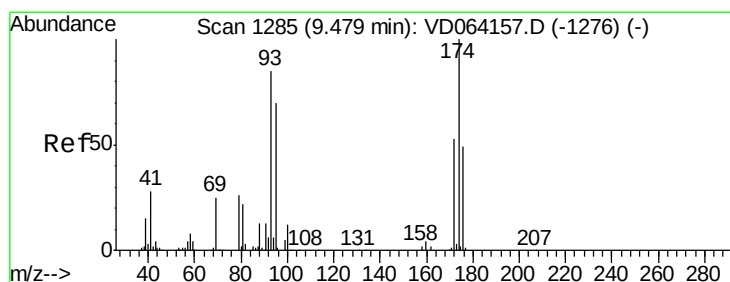
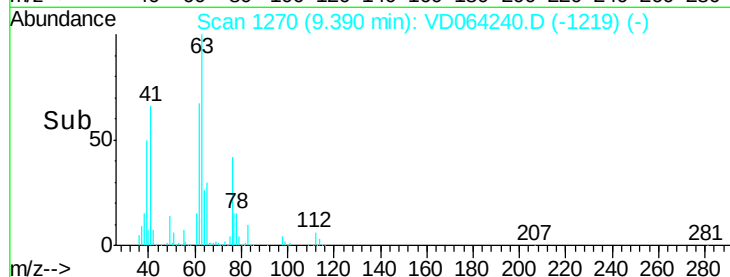
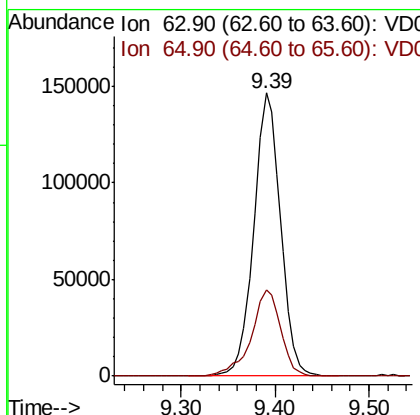
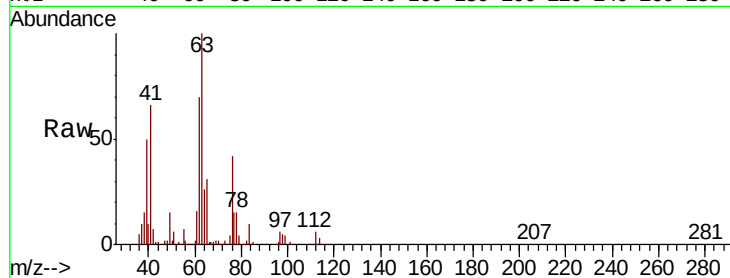
#45
 1,2-Dichloropropane
 Concen: 52.669 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD064240.D
 Acq: 15 Nov 2019 21:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.5	25.7	38.5

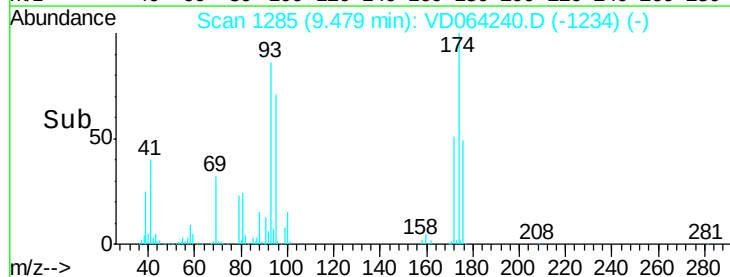
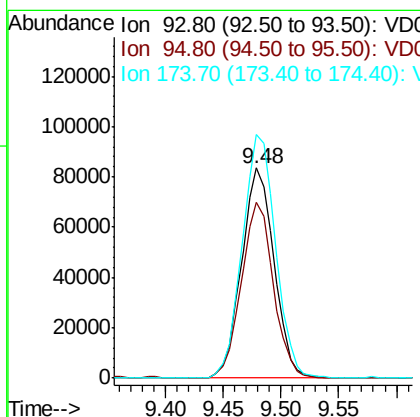
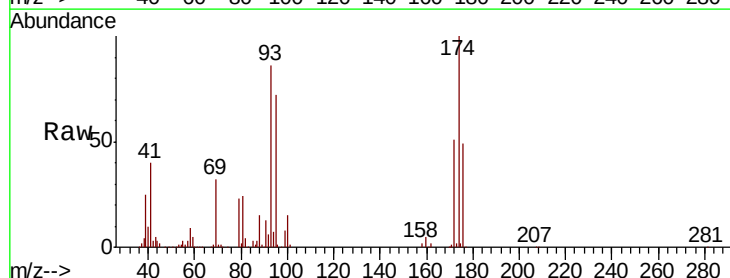
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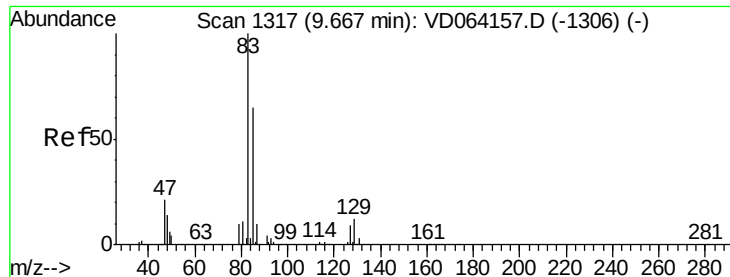
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#46
 Dibromomethane
 Concen: 55.945 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD064240.D
 Acq: 15 Nov 2019 21:46

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.3	65.5	98.3
174	118.6	93.9	140.9





#47

Bromodichloromethane

Concen: 53.943 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD064240.D

Acq: 15 Nov 2019 21:46

Instrument :

MSVOA_D

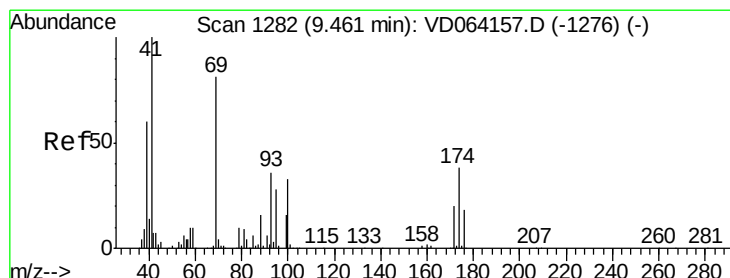
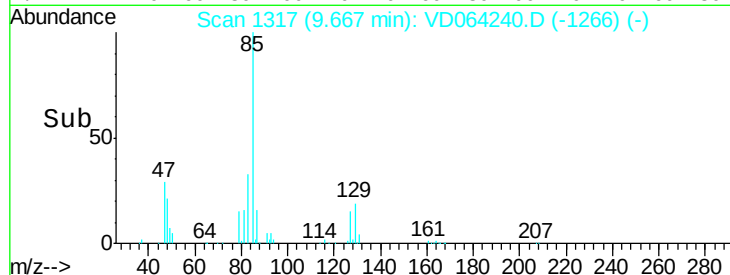
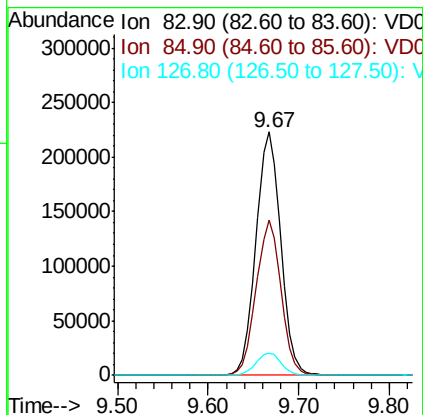
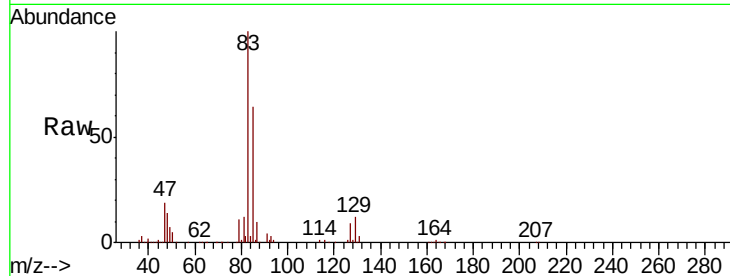
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	426461
Ion	Ratio	Lower	Upper
83	100		
85	63.8	52.2	78.4
127	9.3	7.5	11.3

Manual Integrations
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#48

Methyl methacrylate

Concen: 51.929 ug/l

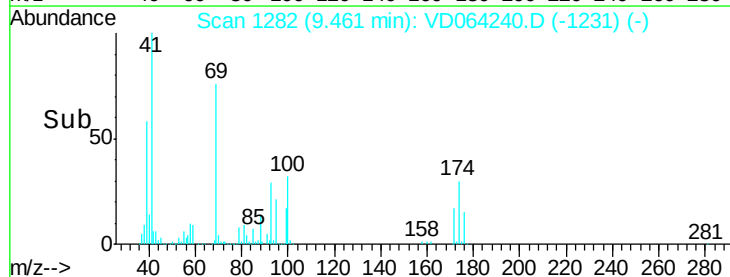
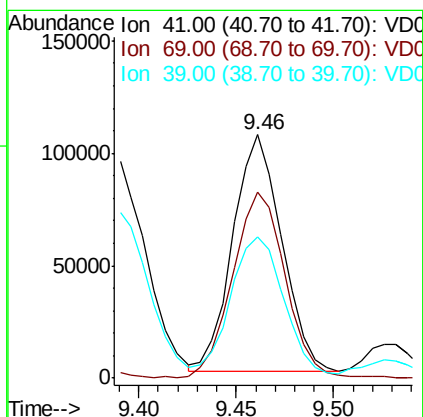
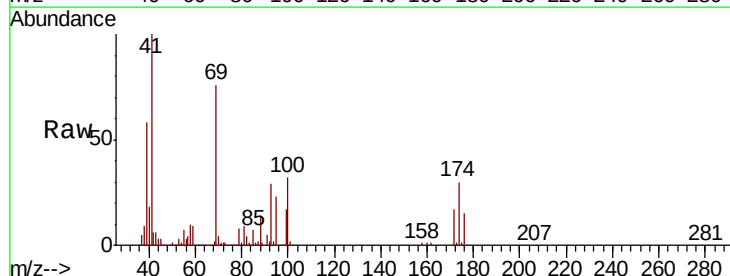
RT: 9.46 min Scan# 1282

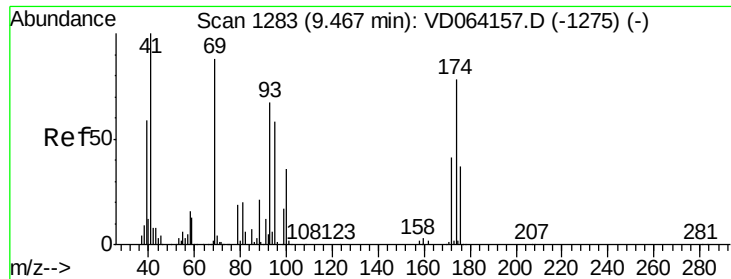
Delta R.T. -0.00 min

Lab File: VD064240.D

Acq: 15 Nov 2019 21:46

Tgt Ion:	41	Resp:	181775
Ion	Ratio	Lower	Upper
41	100		
69	85.7	64.6	97.0
39	66.6	48.2	72.2





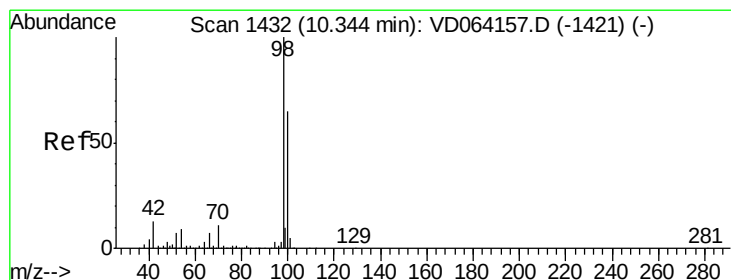
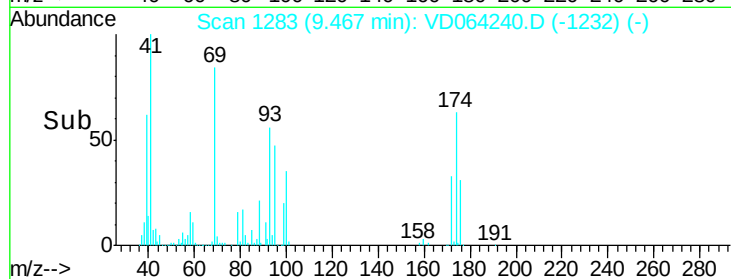
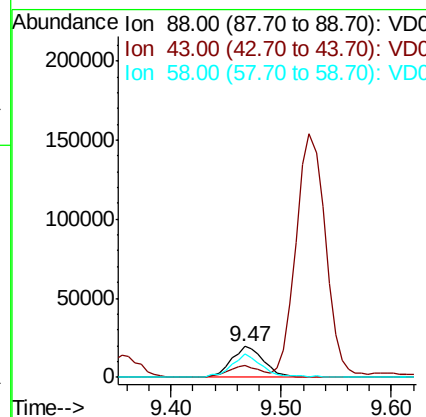
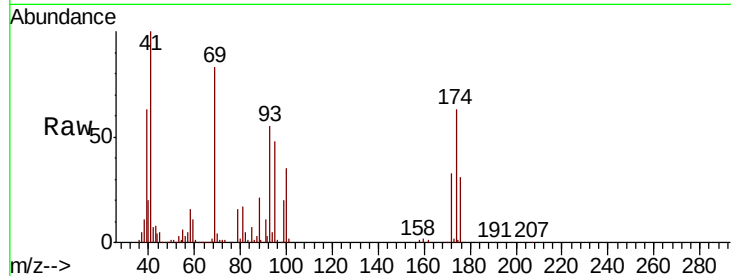
#49
1,4-Dioxane
Concen: 1159.456 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD064240.D
Acq: 15 Nov 2019 21:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.0	29.8	44.8
58	70.8	58.1	87.1

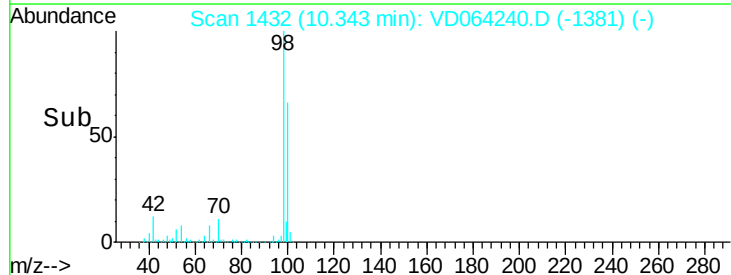
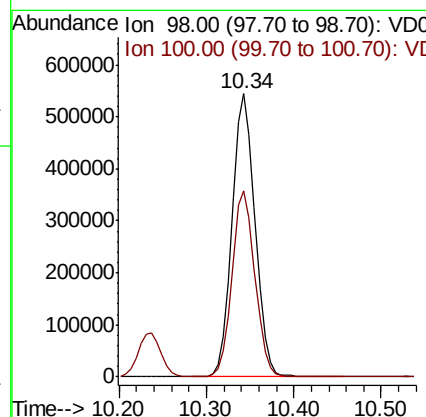
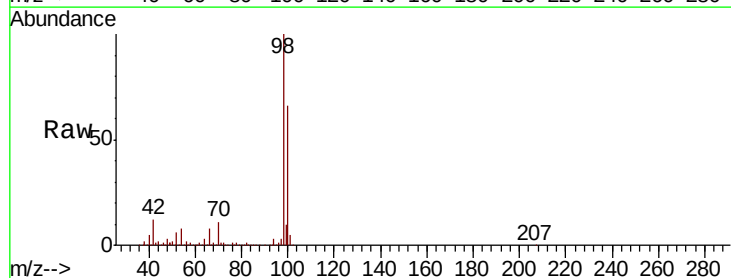
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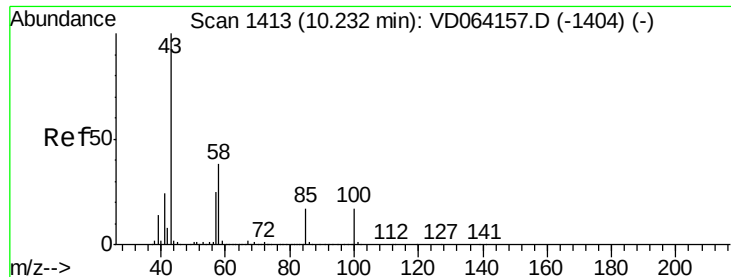
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#50
Toluene-d8
Concen: 50.428 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD064240.D
Acq: 15 Nov 2019 21:46

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.6	78.8





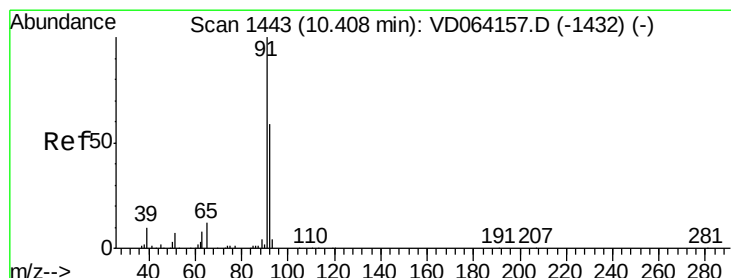
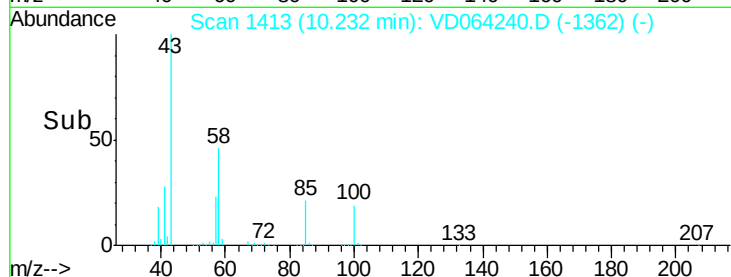
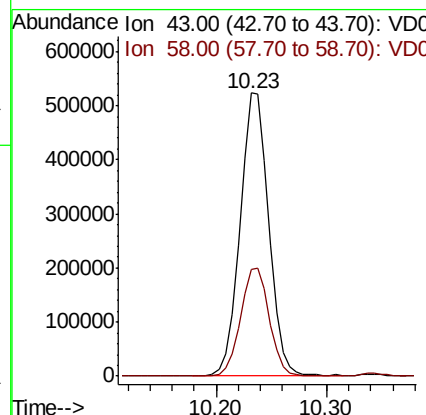
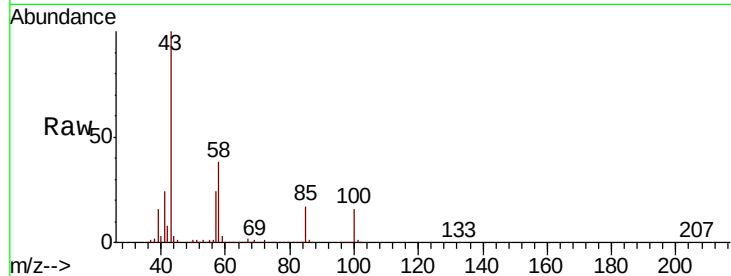
#51
4-Methyl-2-Pentanone
Concen: 277.727 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.00 min
Lab File: VD064240.D
Acq: 15 Nov 2019 21:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.3	30.2	45.4

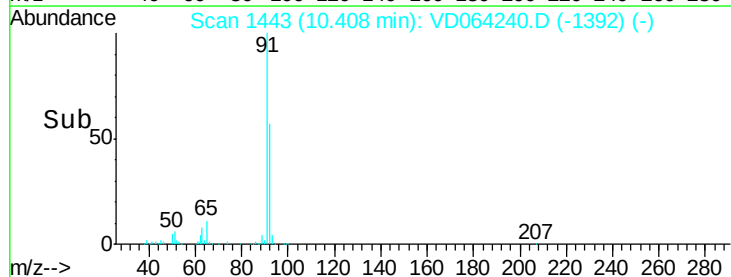
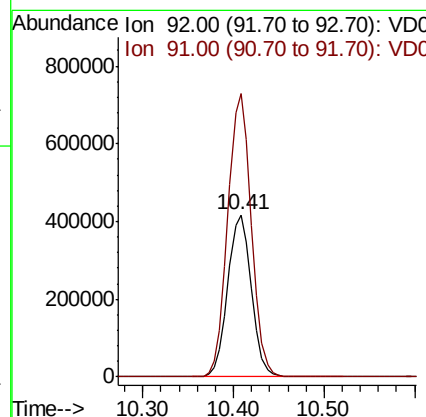
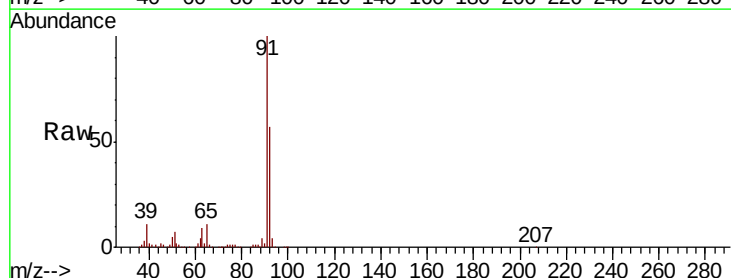
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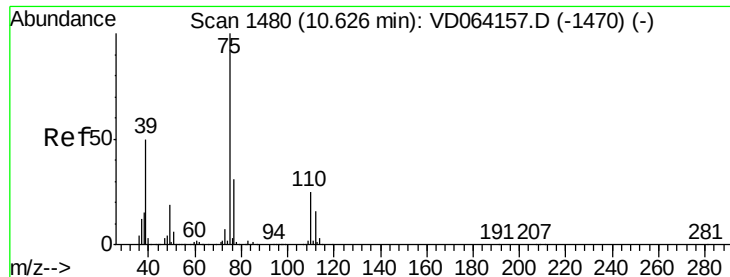
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#52
Toluene
Concen: 50.931 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. -0.00 min
Lab File: VD064240.D
Acq: 15 Nov 2019 21:46

Tgt Ion	Ratio	Lower	Upper
92	100		
91	173.9	136.4	204.6





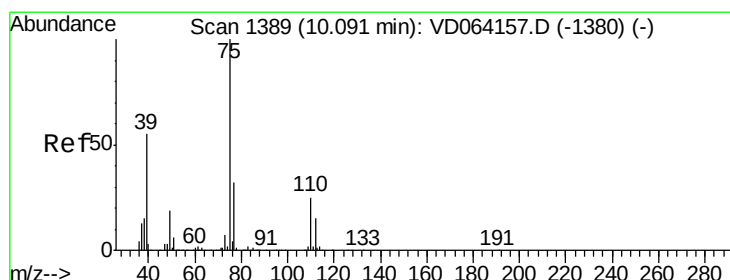
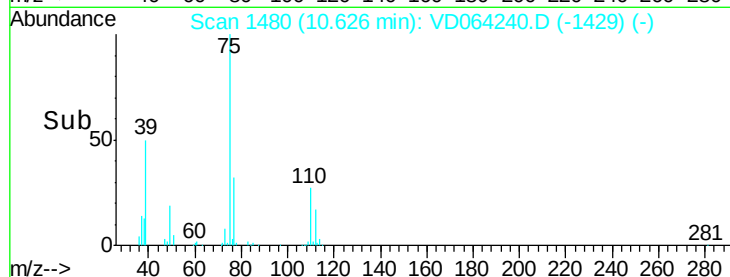
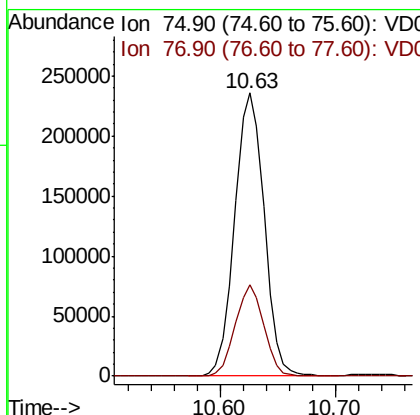
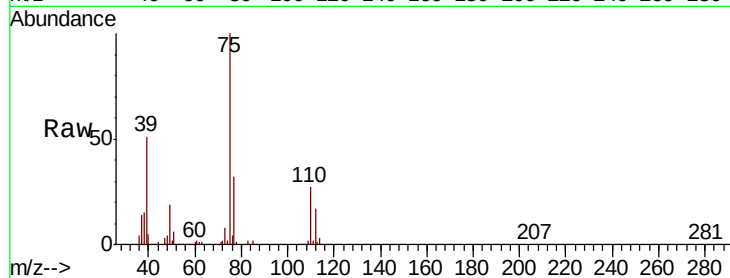
#53
t-1,3-Dichloropropene
Concen: 52.822 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VD064240.D
Acq: 15 Nov 2019 21:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 418370
Ion Ratio Lower Upper
75 100
77 32.2 24.7 37.1

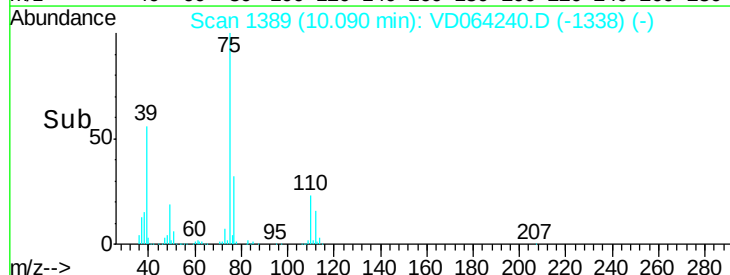
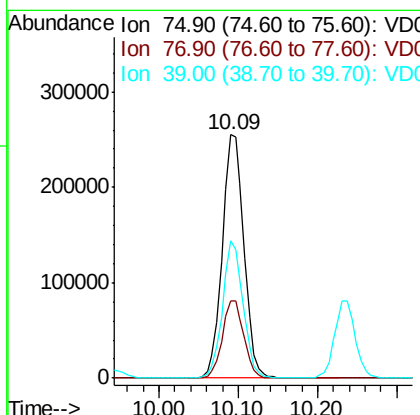
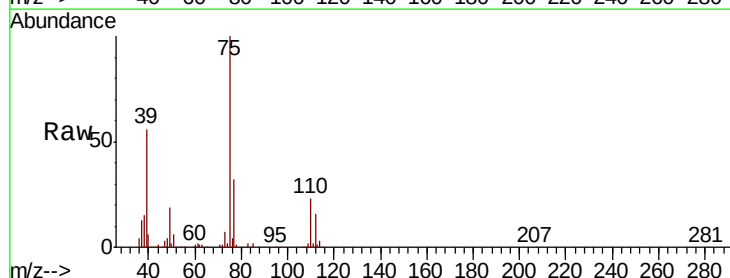
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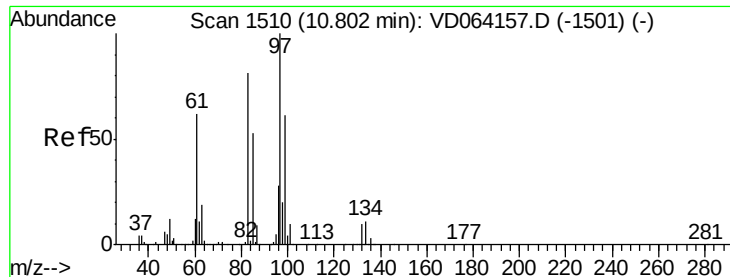
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#54
cis-1,3-Dichloropropene
Concen: 51.983 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VD064240.D
Acq: 15 Nov 2019 21:46

Tgt Ion: 75 Resp: 480446
Ion Ratio Lower Upper
75 100
77 31.5 25.2 37.8
39 56.0 44.2 66.2





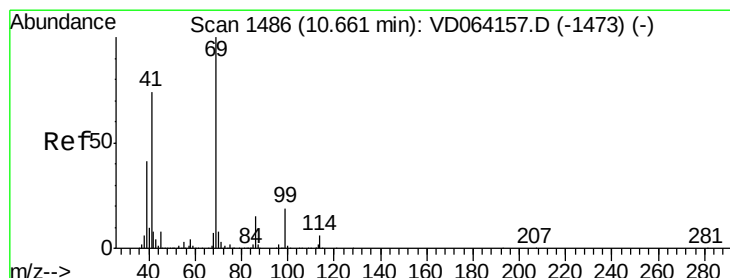
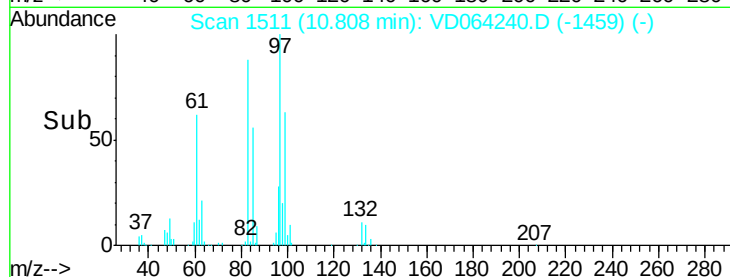
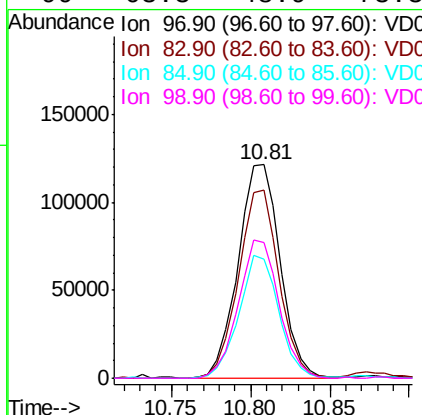
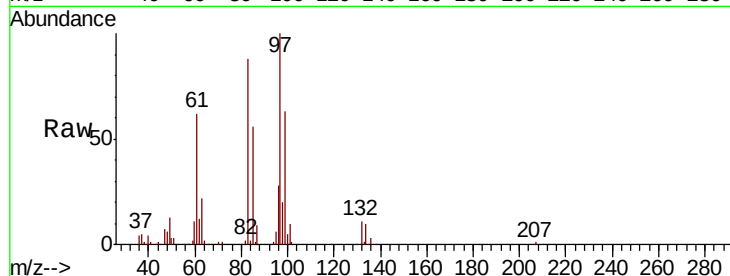
#55
 1,1,2-Trichloroethane
 Concen: 56.382 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.01 min
 Lab File: VD064240.D
 Acq: 15 Nov 2019 21:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	224487
Ion Ratio	Lower	Upper	
97	100		
83	88.2	65.1	97.7
85	55.6	42.0	63.0
99	63.3	48.9	73.3

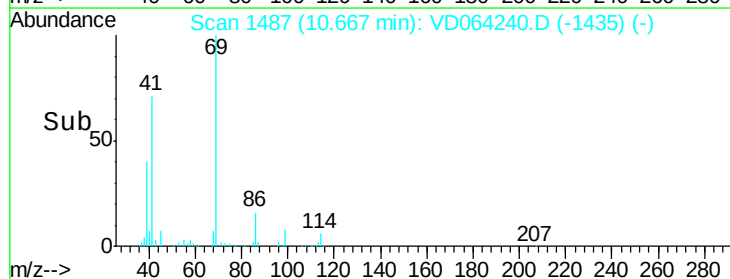
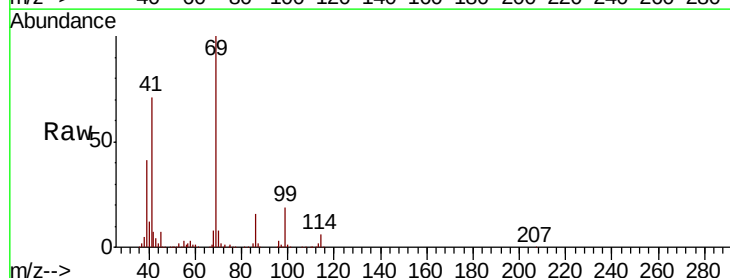
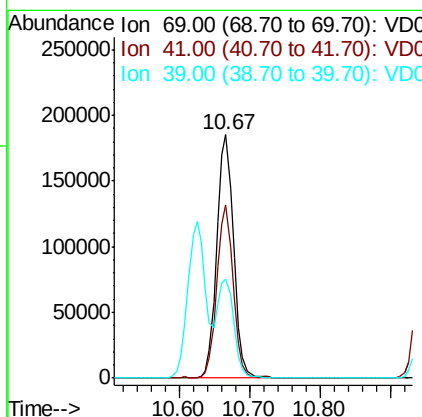
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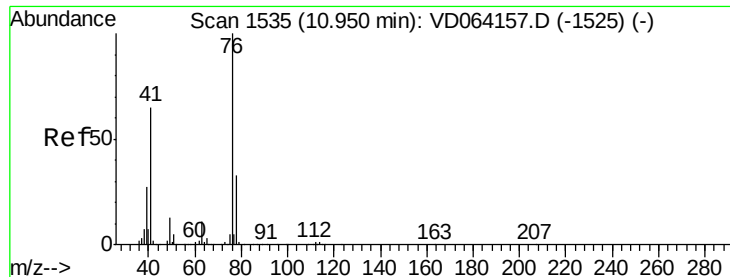
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#56
 Ethyl methacrylate
 Concen: 55.169 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD064240.D
 Acq: 15 Nov 2019 21:46

Tgt Ion:	69	Resp:	307274
Ion Ratio	Lower	Upper	
69	100		
41	68.2	57.9	86.9
39	38.4	29.0	43.4





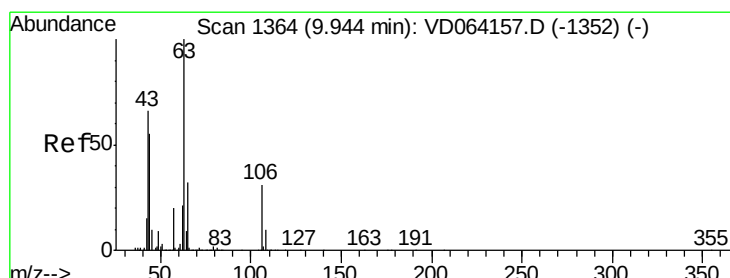
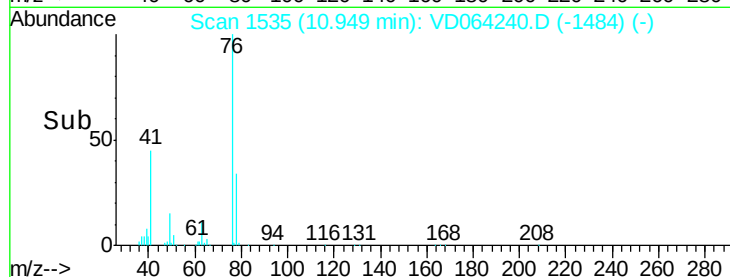
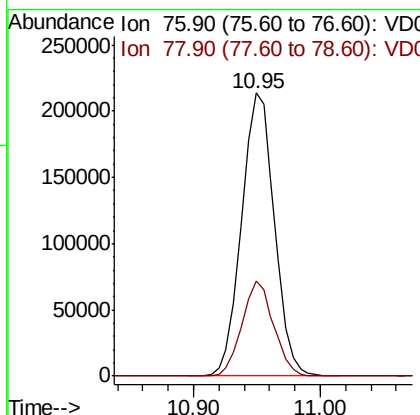
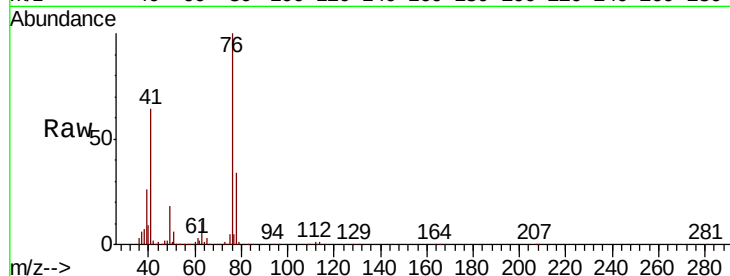
#57
 1,3-Dichloropropane
 Concen: 55.265 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD064240.D
 Acq: 15 Nov 2019 21:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.5	26.2	39.4

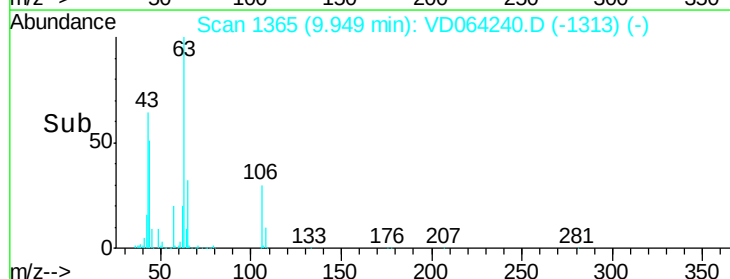
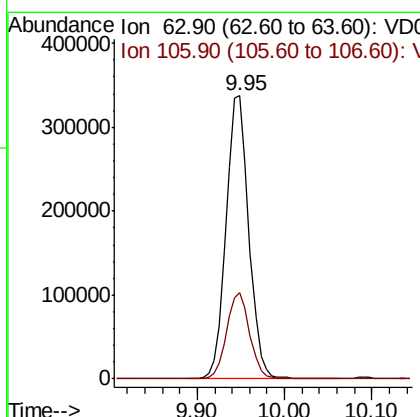
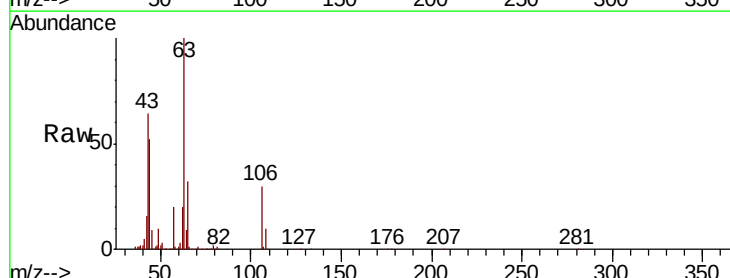
Manual Integrations
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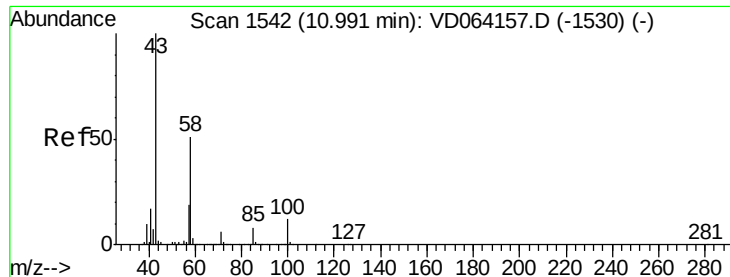
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 11/19/2019 12:22:41 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 266.777 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.01 min
 Lab File: VD064240.D
 Acq: 15 Nov 2019 21:46

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.6	24.1	36.1





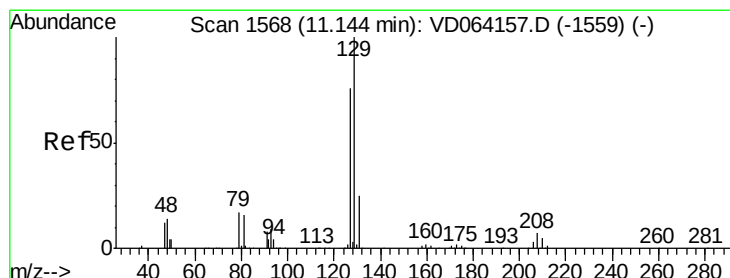
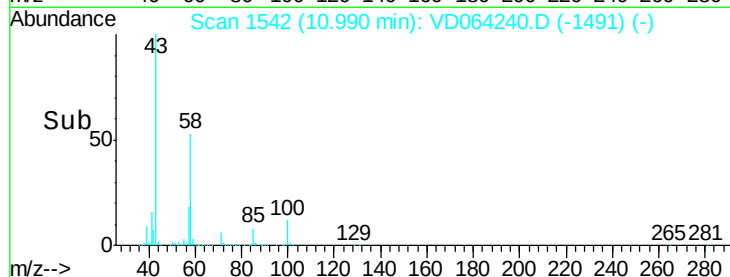
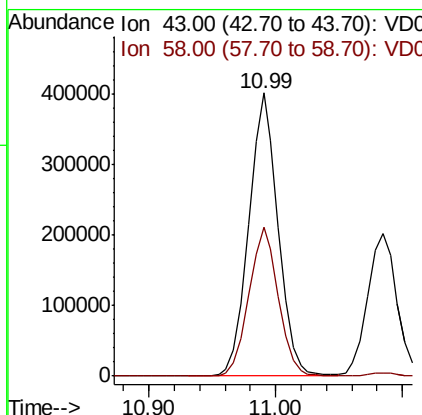
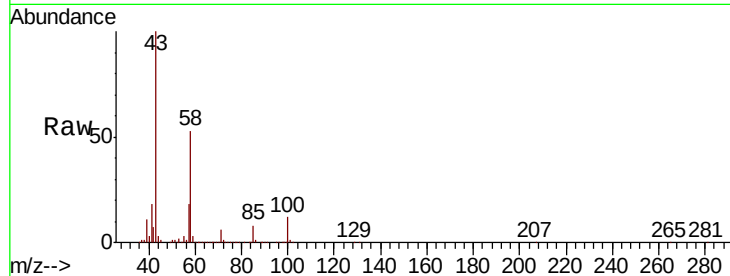
#59
2-Hexanone
Concen: 263.490 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD064240.D
Acq: 15 Nov 2019 21:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.2	25.9	77.7

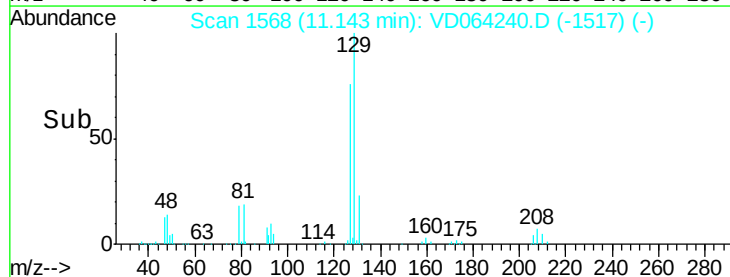
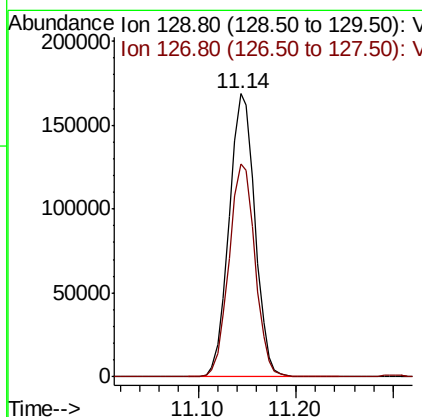
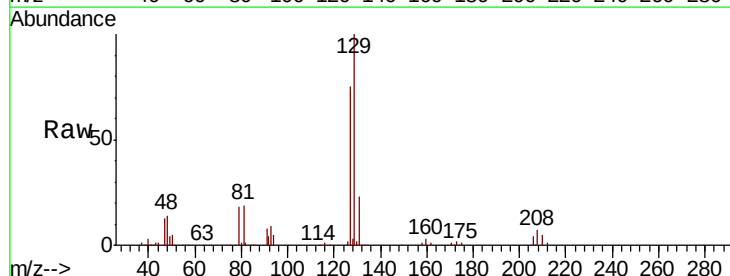
Manual Integrations
APPROVED

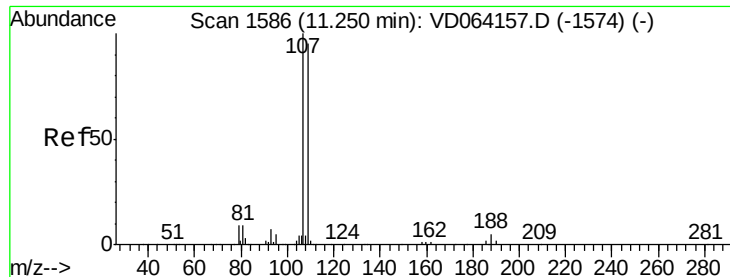
MMDADODA
11/19/2019 12:22:41 PM



#60
Dibromochloromethane
Concen: 55.880 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD064240.D
Acq: 15 Nov 2019 21:46

Tgt Ion	Ratio	Lower	Upper
129	100		
127	75.8	38.6	115.8





#61

1,2-Dibromoethane

Concen: 55.747 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VD064240.D

Acq: 15 Nov 2019 21:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 222314

Ion Ratio Lower Upper

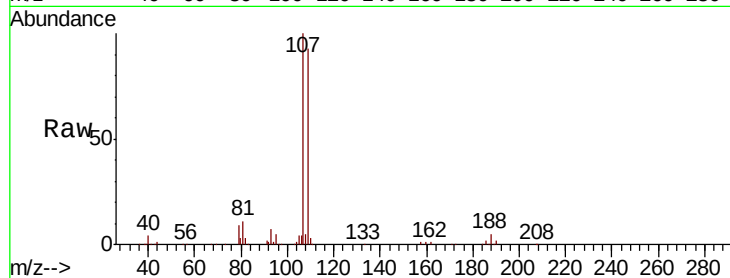
107 100

109 94.9 75.1 112.7

Manual Integrations
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.25

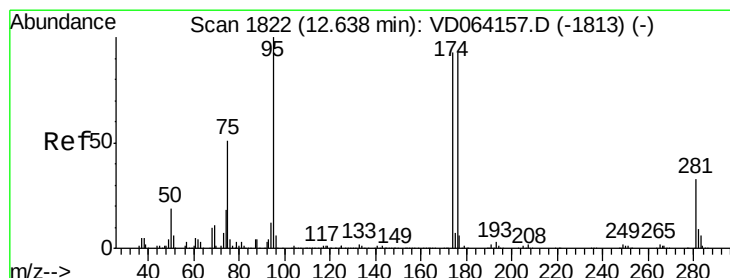
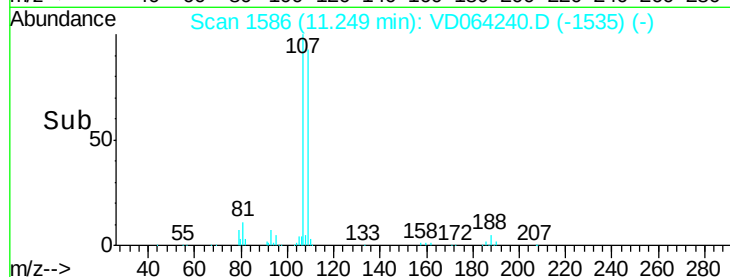
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 48.486 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD064240.D

Acq: 15 Nov 2019 21:46

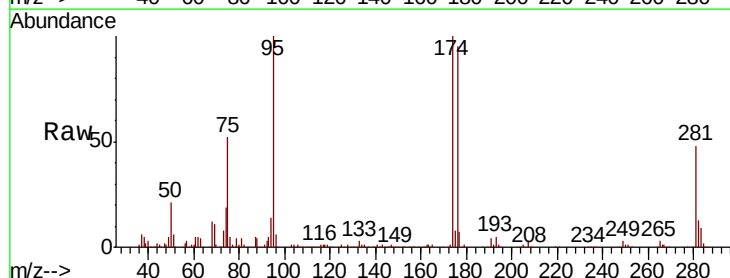
Tgt Ion: 95 Resp: 324687

Ion Ratio Lower Upper

95 100

174 97.4 0.0 183.6

176 96.0 0.0 180.2



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

250000

200000

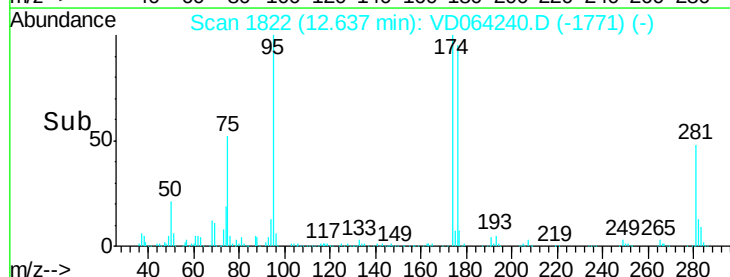
150000

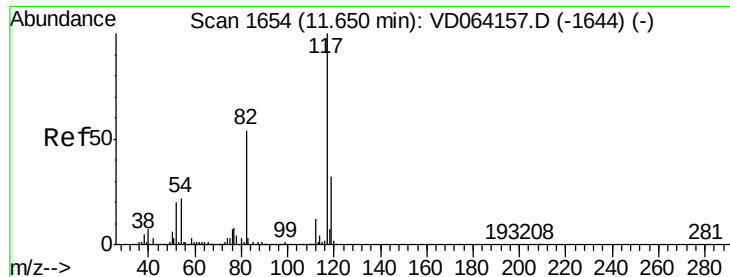
100000

50000

0

Time-->





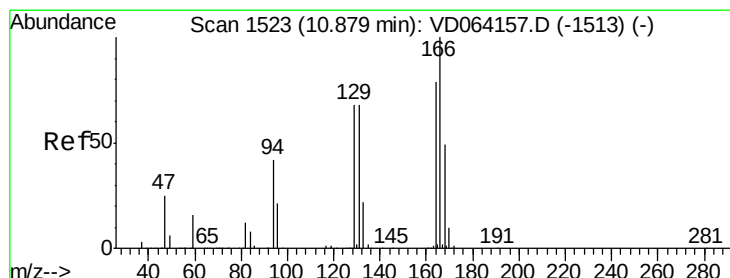
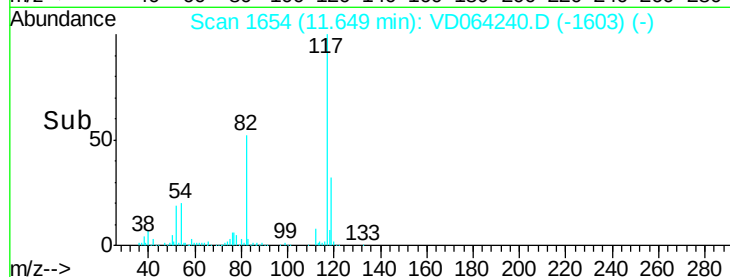
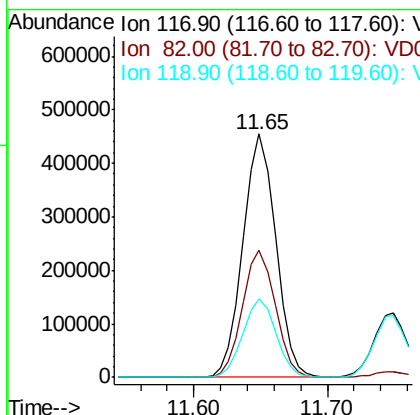
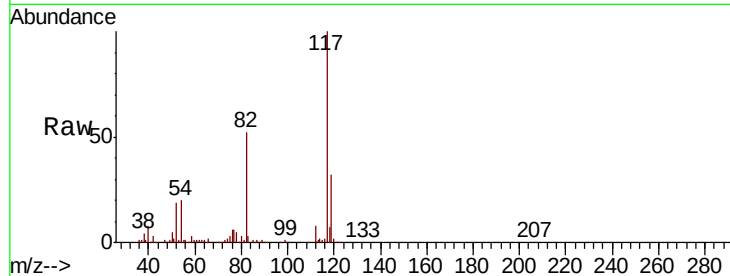
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064240.D
Acq: 15 Nov 2019 21:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.0	42.8	64.2
119	32.5	25.6	38.4

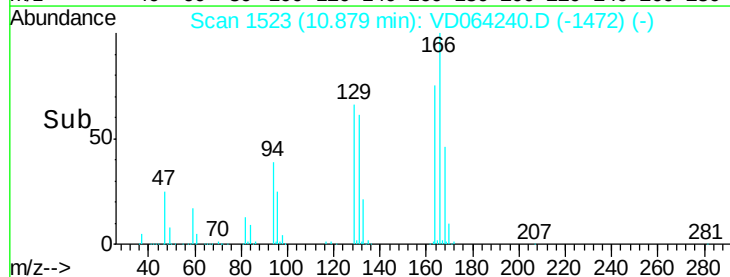
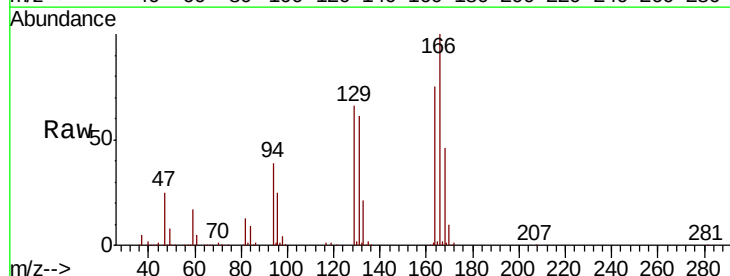
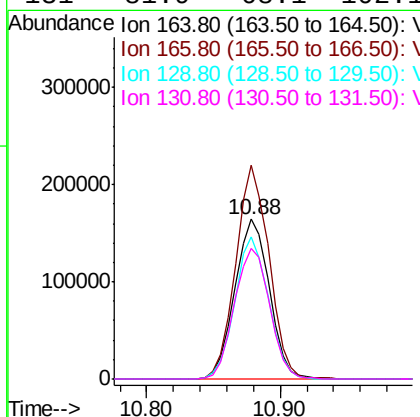
Manual Integrations
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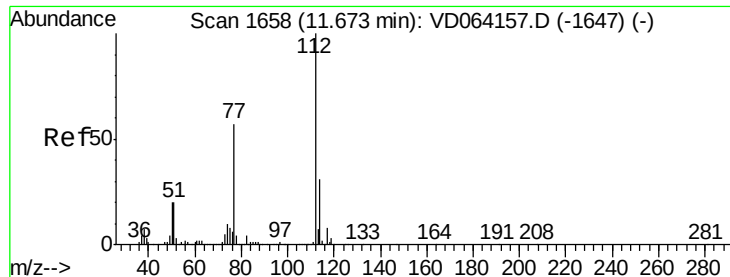
MMDADODA
11/19/2019 12:22:41 PM



#64
Tetrachloroethene
Concen: 49.535 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD064240.D
Acq: 15 Nov 2019 21:46

Tgt Ion	Ratio	Lower	Upper
164	100		
166	133.6	100.8	151.2
129	88.7	68.7	103.1
131	81.9	68.1	102.1





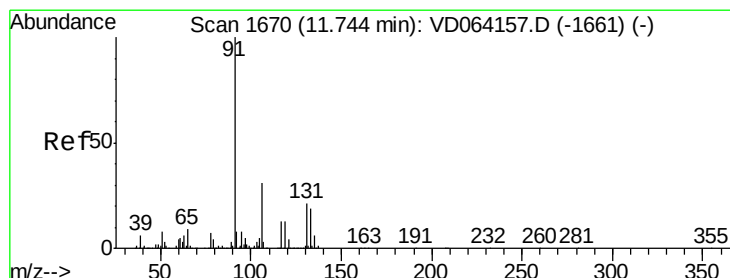
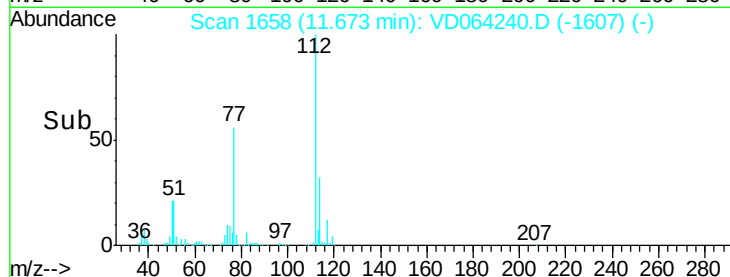
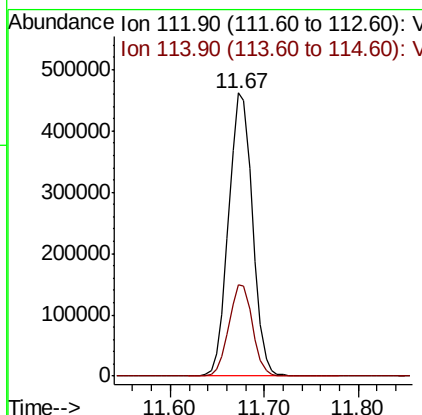
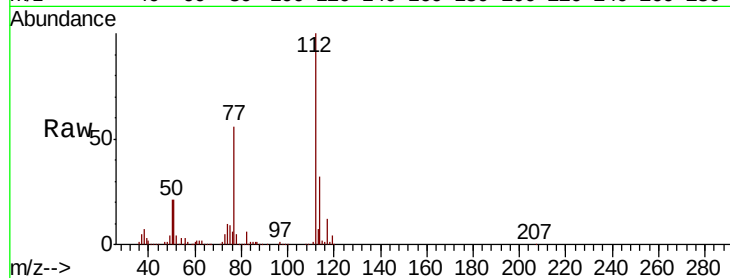
#65
Chlorobenzene
Concen: 51.774 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD064240.D
Acq: 15 Nov 2019 21:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.3	25.2	37.8

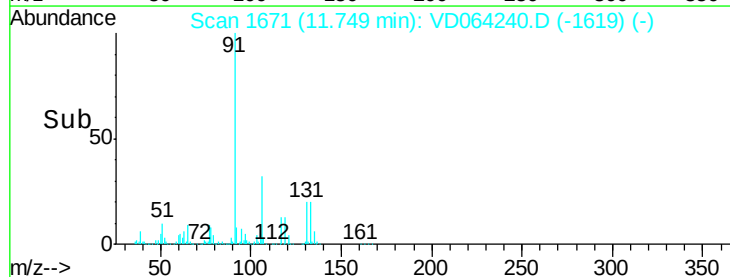
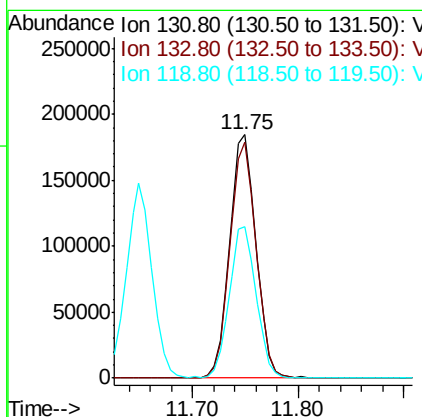
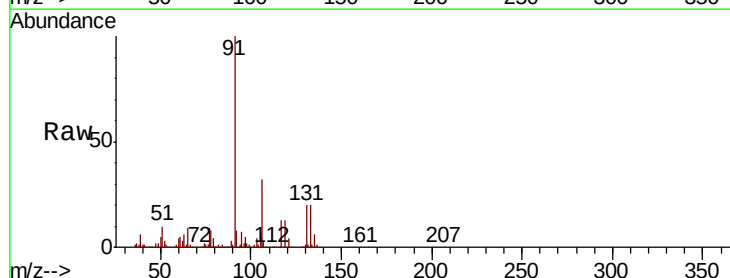
Manual Integrations
APPROVED

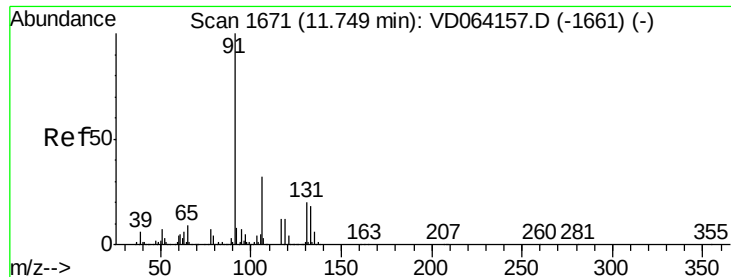
MMDADODA
11/19/2019 12:22:41 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 52.794 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064240.D
Acq: 15 Nov 2019 21:46

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.5	47.3	141.9
119	63.4	31.1	93.3





#67

Ethyl Benzene

Concen: 51.403 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD064240.D

Acq: 15 Nov 2019 21:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1464822

Ion Ratio Lower Upper

91 100

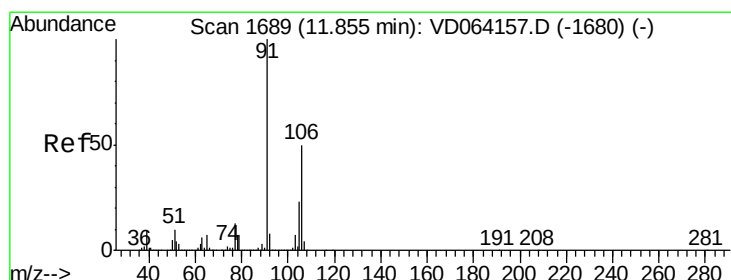
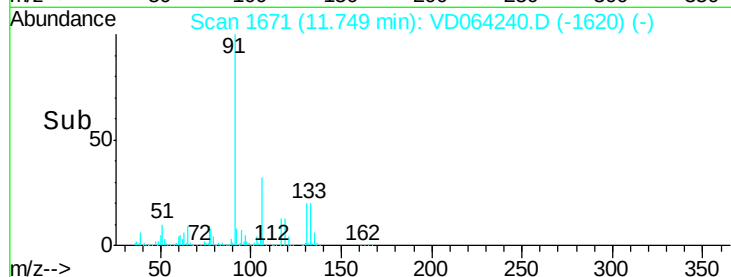
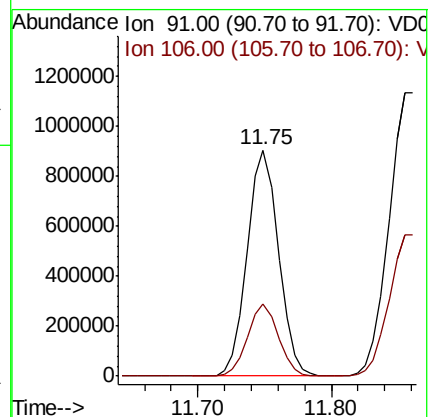
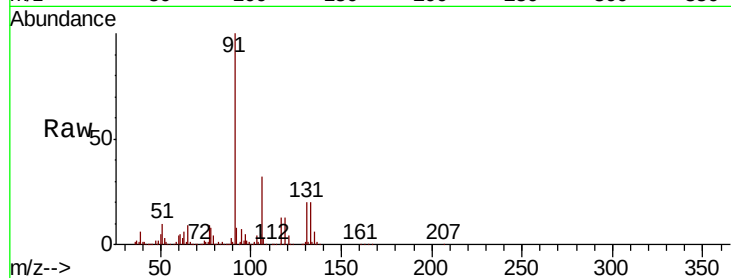
106 32.2 25.5 38.3

Manual Integrations

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#68

m/p-Xylenes

Concen: 102.086 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.01 min

Lab File: VD064240.D

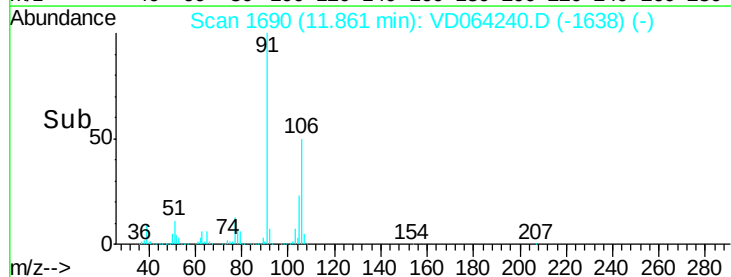
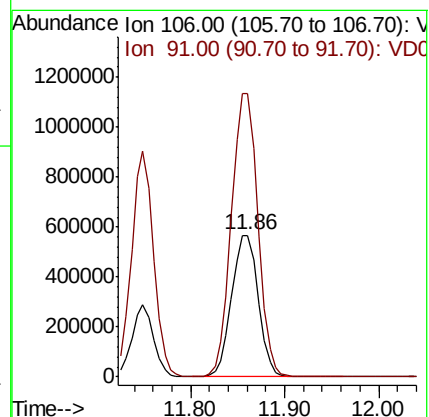
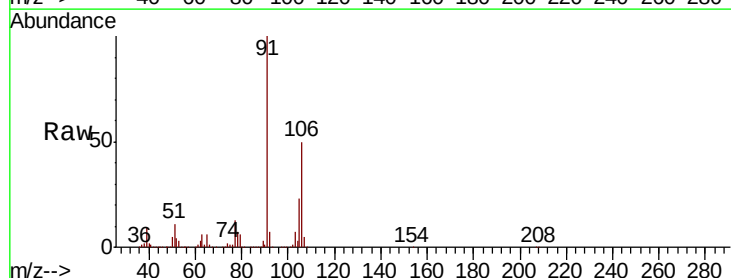
Acq: 15 Nov 2019 21:46

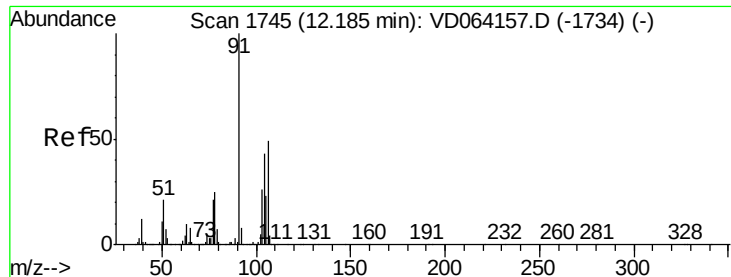
Tgt Ion: 106 Resp: 1115067

Ion Ratio Lower Upper

106 100

91 198.8 160.3 240.5





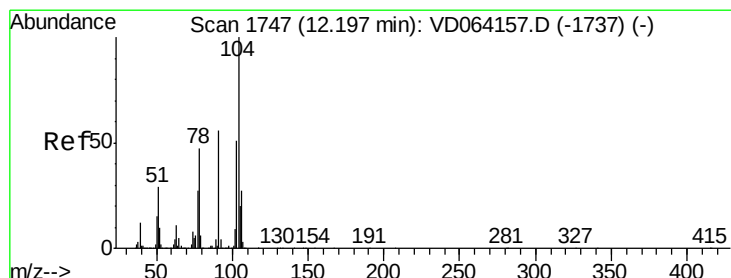
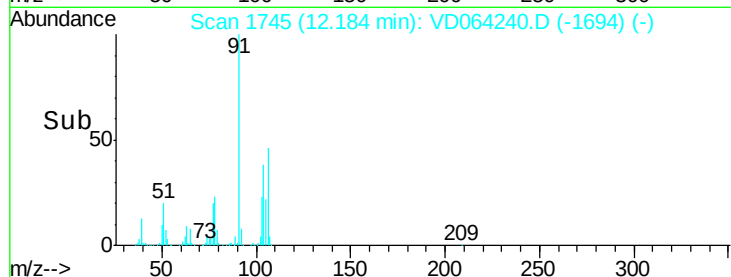
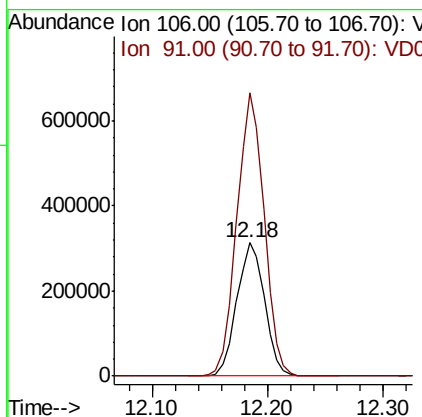
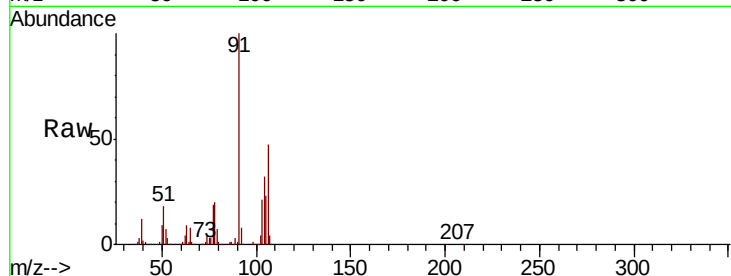
#69
o-Xylene
Concen: 51.426 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD064240.D
Acq: 15 Nov 2019 21:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	209.1	105.1	315.3

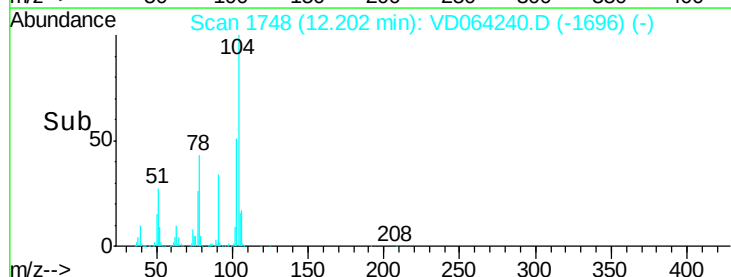
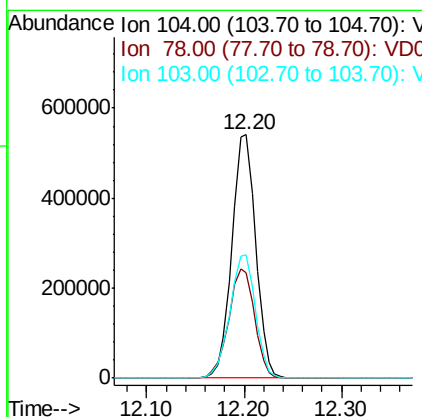
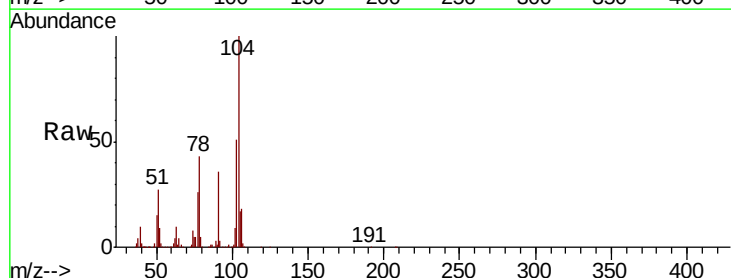
Manual Integrations
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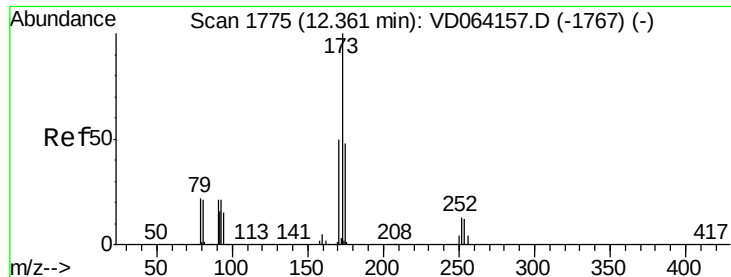
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11/19/2019 12:22:41 PM



#70
Styrene
Concen: 52.050 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD064240.D
Acq: 15 Nov 2019 21:46

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.7	39.9	59.9
103	54.3	43.4	65.0





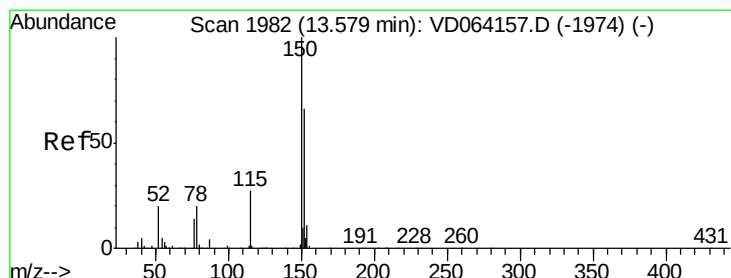
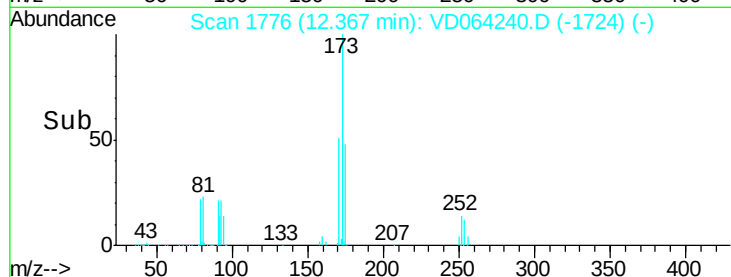
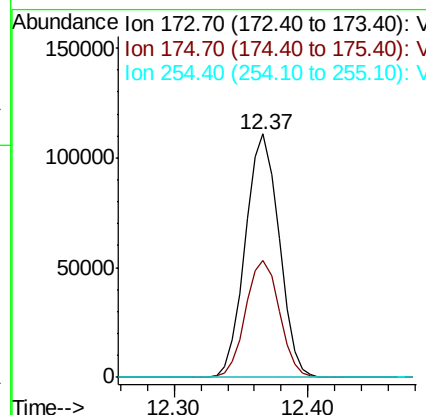
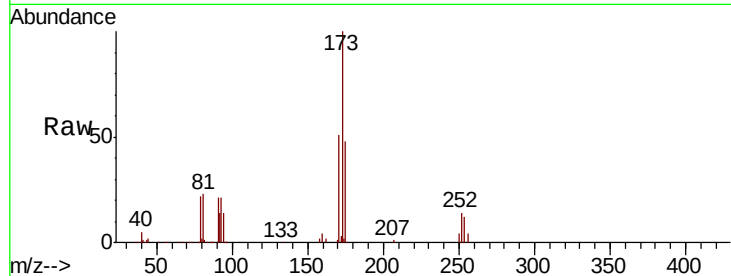
#71
Bromoform
Concen: 56.939 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.01 min
Lab File: VD064240.D
Acq: 15 Nov 2019 21:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.9	24.1	72.3
254	0.2	0.2	0.2

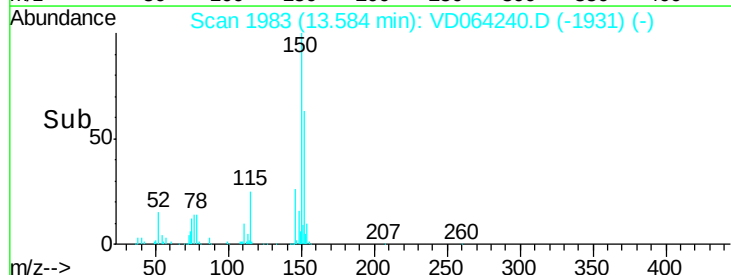
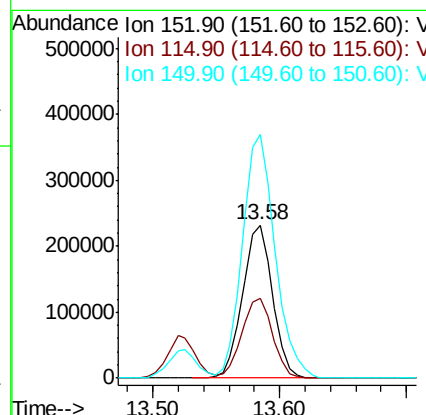
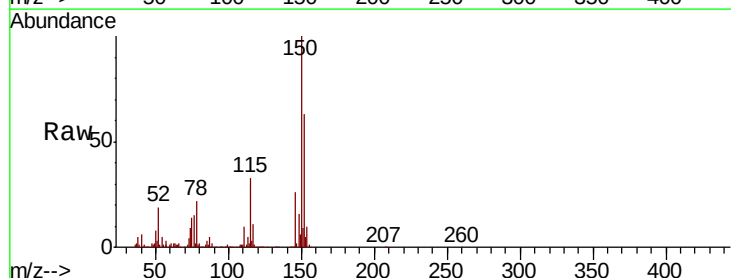
Manual Integrations
APPROVED

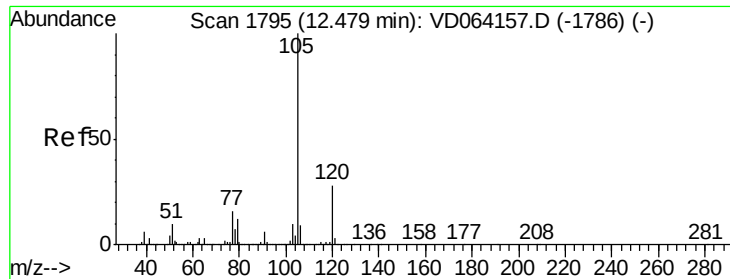
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD064240.D
Acq: 15 Nov 2019 21:46

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.6	27.4	82.2
150	173.5	0.0	351.6





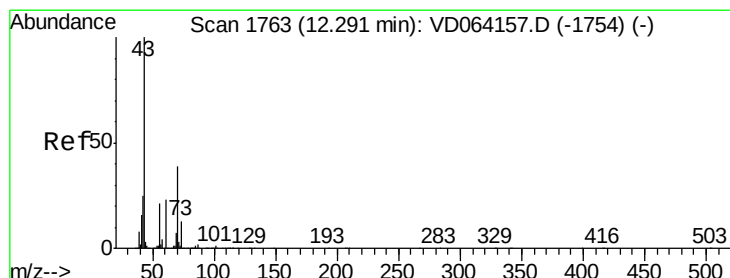
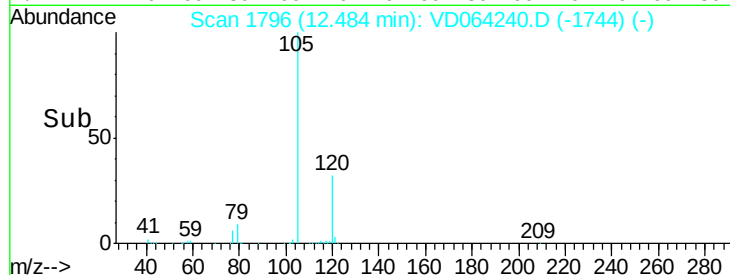
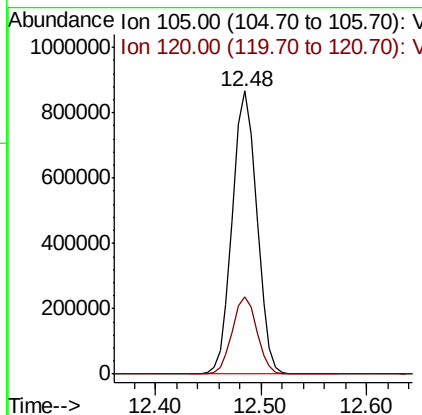
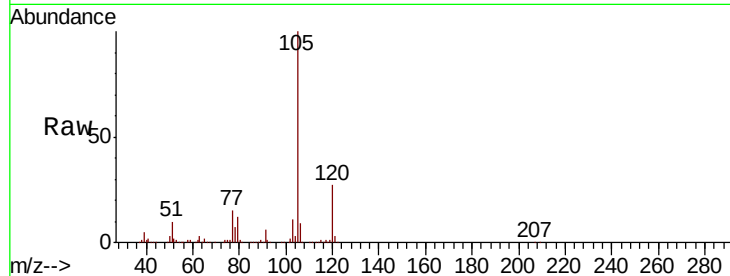
#73
Isopropylbenzene
Concen: 49.865 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.01 min
Lab File: VD064240.D
Acq: 15 Nov 2019 21:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:105 Resp: 1388961
Ion Ratio Lower Upper
105 100
120 27.5 13.6 40.8

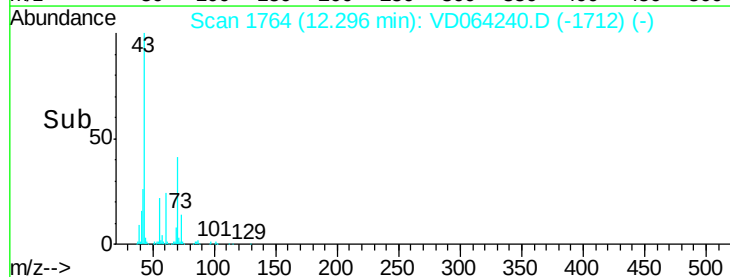
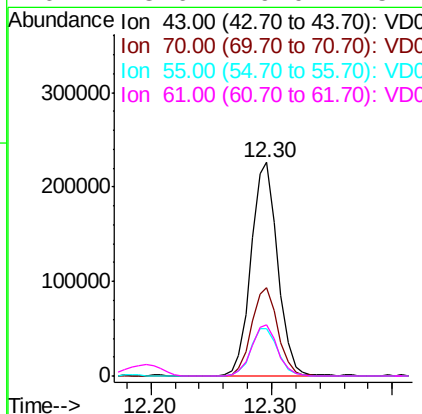
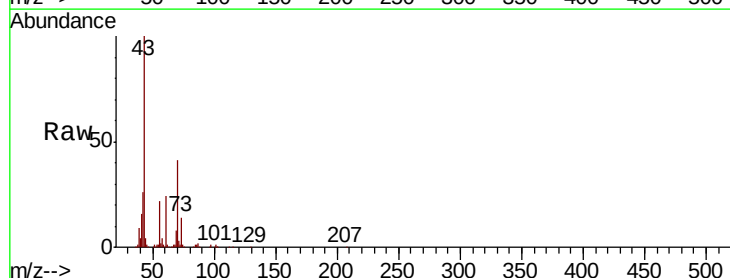
Manual Integrations
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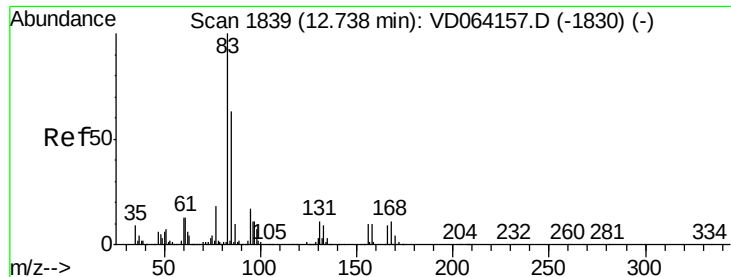
MMDADODA
11/19/2019 12:22:41 PM



#74
N-ethyl acetate
Concen: 52.909 ug/l
RT: 12.30 min Scan# 1764
Delta R.T. 0.01 min
Lab File: VD064240.D
Acq: 15 Nov 2019 21:46

Tgt Ion: 43 Resp: 348026
Ion Ratio Lower Upper
43 100
70 40.9 32.4 48.6
55 22.4 17.9 26.9
61 23.6 19.0 28.4





#75

1,1,2,2-Tetrachloroethane

Concen: 55.836 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD064240.D

Acq: 15 Nov 2019 21:46

Instrument :

MSVOA_D

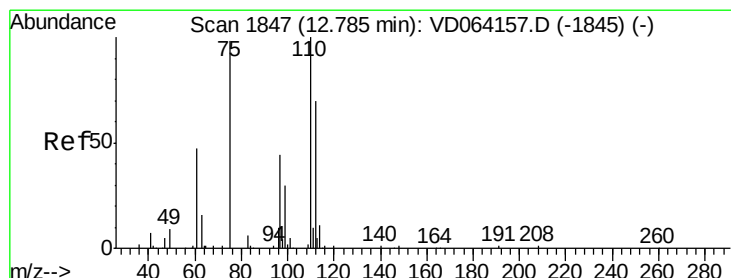
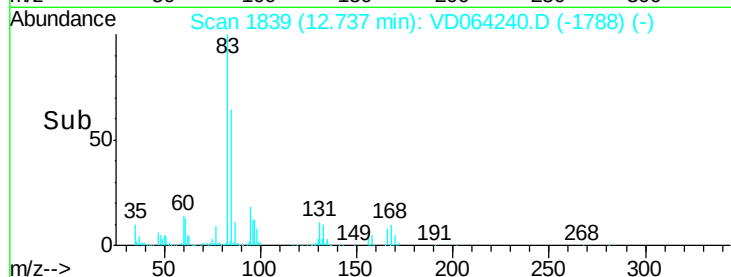
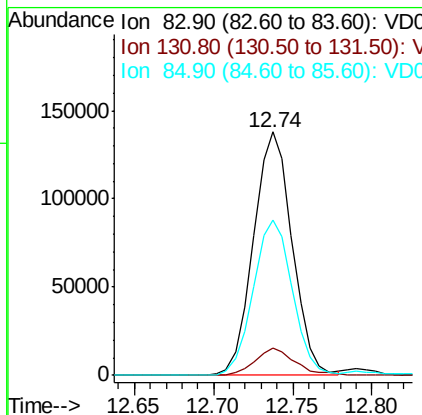
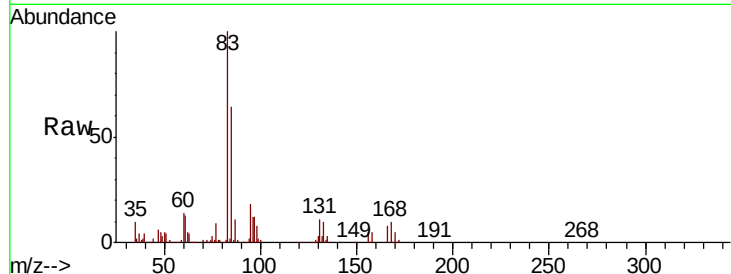
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	234353
Ion Ratio	Lower	Upper	
83	100		
131	11.5	5.9	17.7
85	64.5	32.5	97.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 49.532 ug/l m

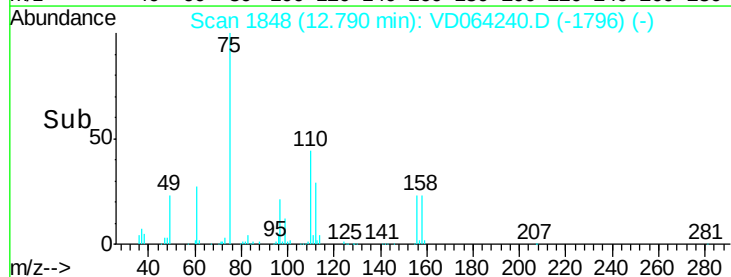
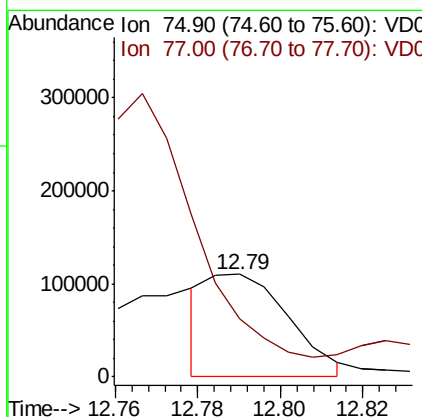
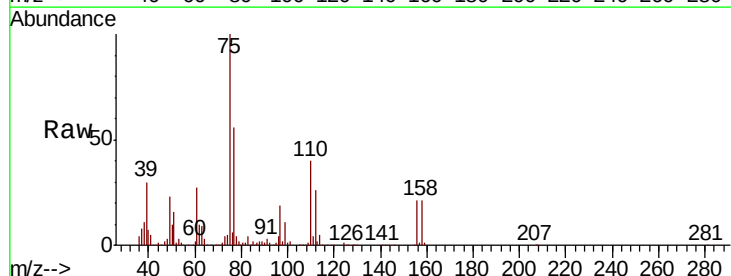
RT: 12.79 min Scan# 1848

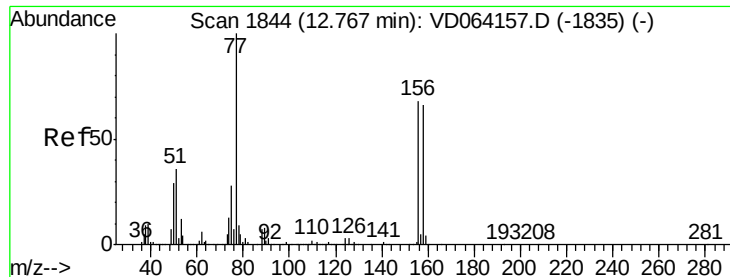
Delta R.T. 0.01 min

Lab File: VD064240.D

Acq: 15 Nov 2019 21:46

Tgt Ion:	75	Resp:	151403
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 52.935 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD064240.D

Acq: 15 Nov 2019 21:46

Instrument :

MSVOA_D

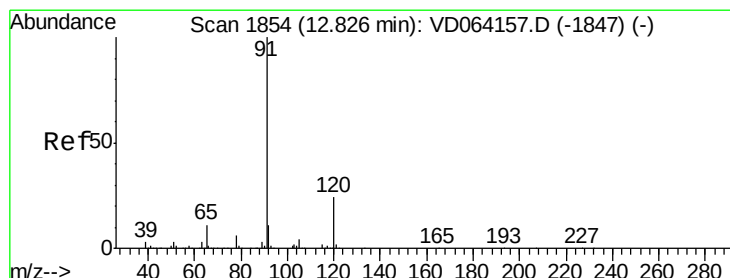
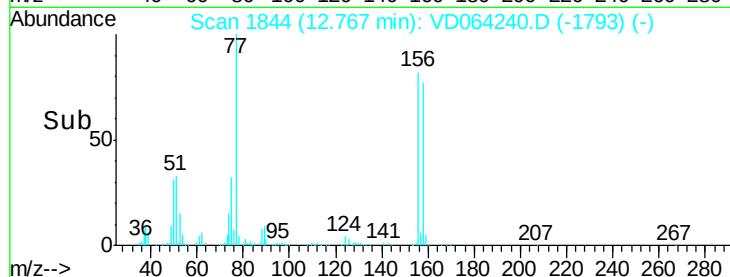
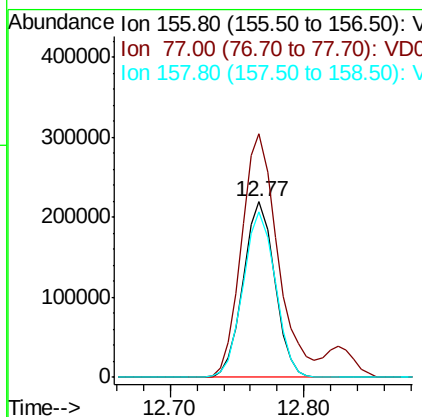
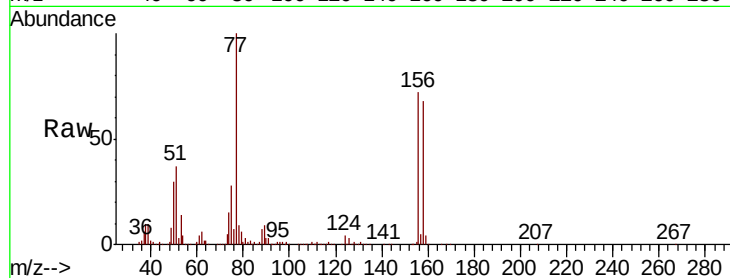
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	358216
Ion Ratio	Lower	Upper	
156	100		
77	159.9	81.2	243.4
158	96.6	48.4	145.2

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#78

n-propylbenzene

Concen: 50.392 ug/l

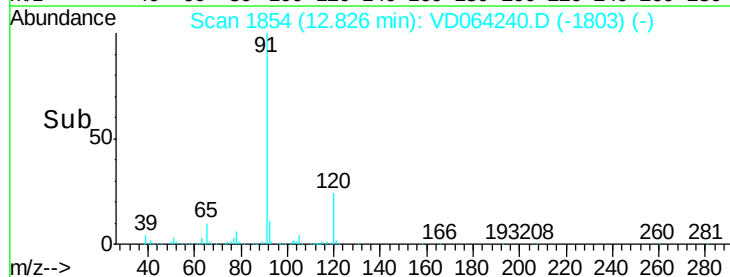
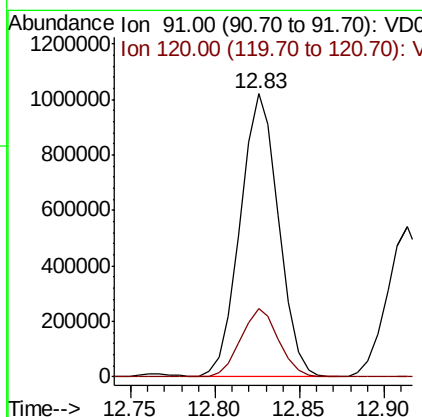
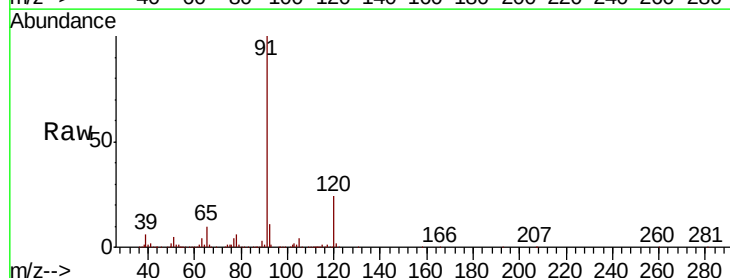
RT: 12.83 min Scan# 1854

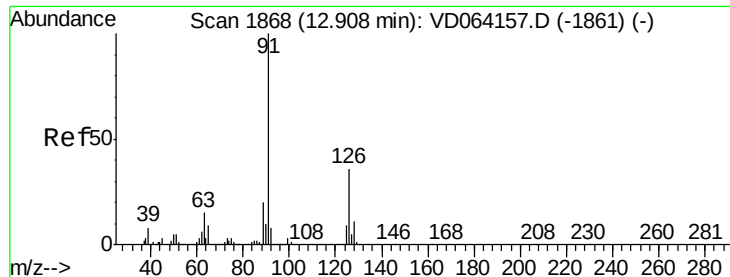
Delta R.T. -0.00 min

Lab File: VD064240.D

Acq: 15 Nov 2019 21:46

Tgt Ion:	91	Resp:	1603681
Ion Ratio	Lower	Upper	
91	100		
120	23.9	11.8	35.4





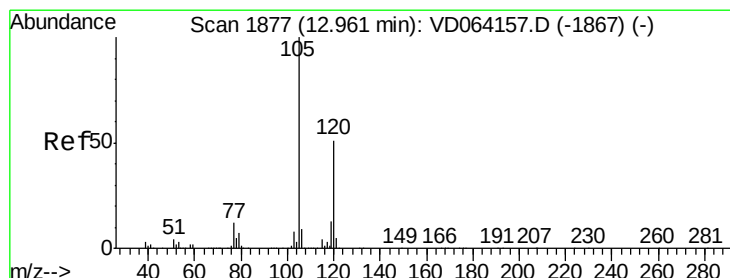
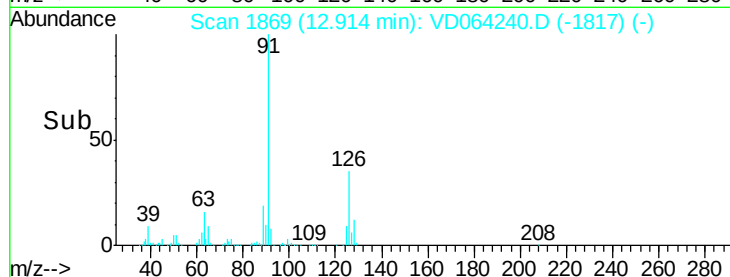
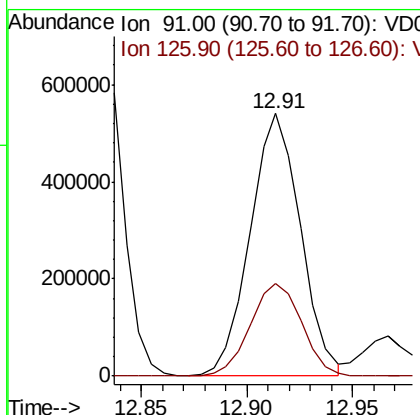
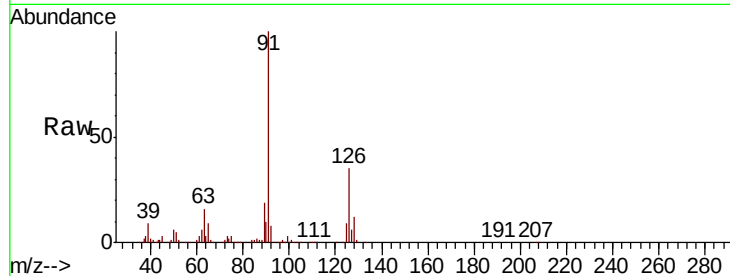
#79
 2-Chlorotoluene
 Concen: 49.762 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.01 min
 Lab File: VD064240.D
 Acq: 15 Nov 2019 21:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 894089
 Ion Ratio Lower Upper
 91 100
 126 36.3 17.7 53.1

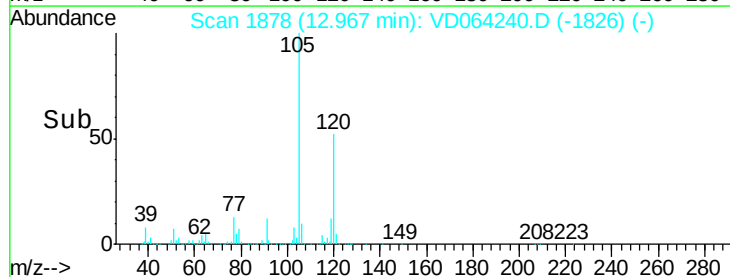
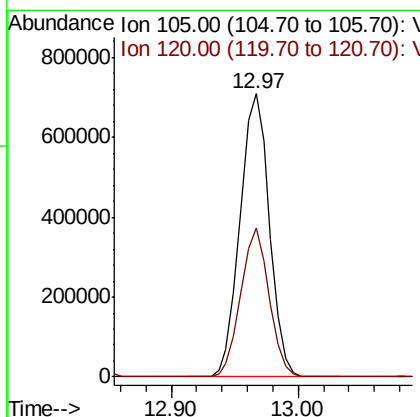
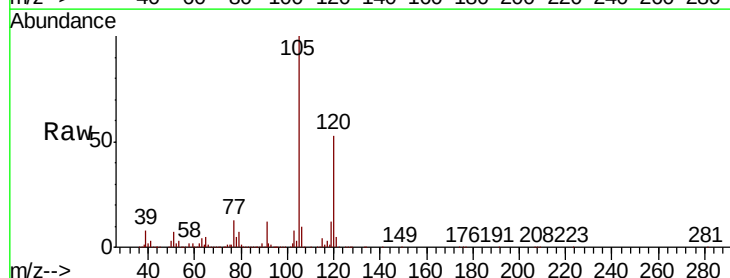
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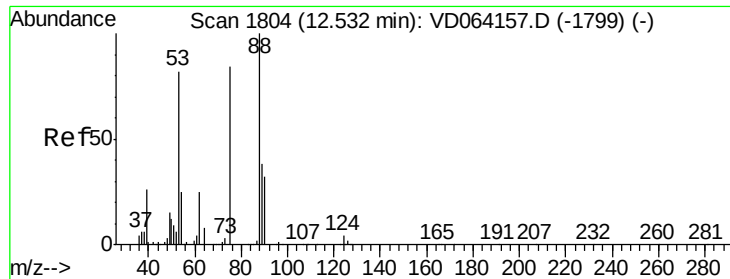
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#80
 1,3,5-Trimethylbenzene
 Concen: 49.683 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.01 min
 Lab File: VD064240.D
 Acq: 15 Nov 2019 21:46

Tgt Ion: 105 Resp: 1137155
 Ion Ratio Lower Upper
 105 100
 120 51.0 25.4 76.4





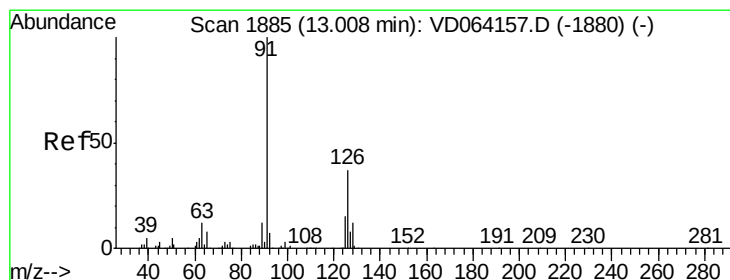
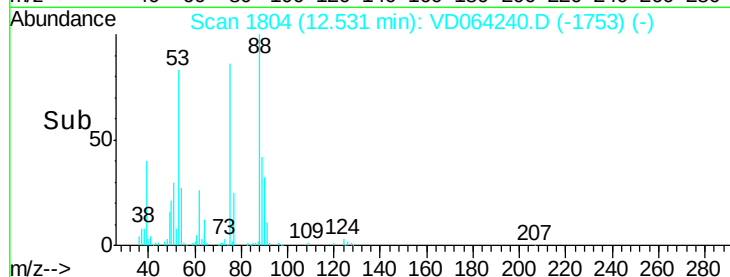
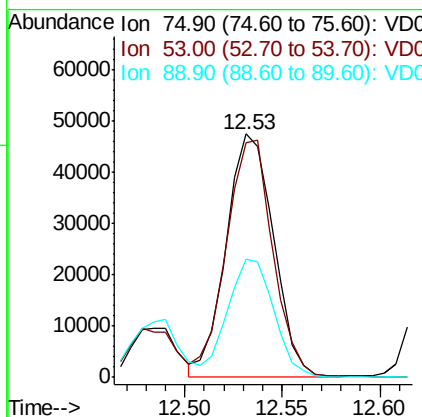
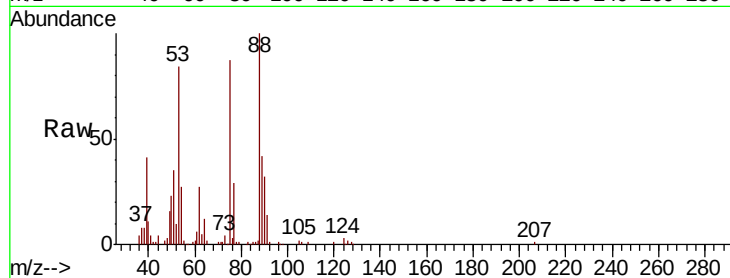
#81
trans-1,4-Dichloro-2-butene
Concen: 51.415 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VD064240.D
Acq: 15 Nov 2019 21:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	97.6	79.4	119.0
89	47.6	36.6	55.0

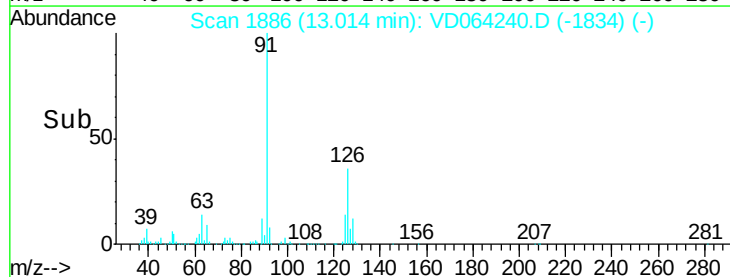
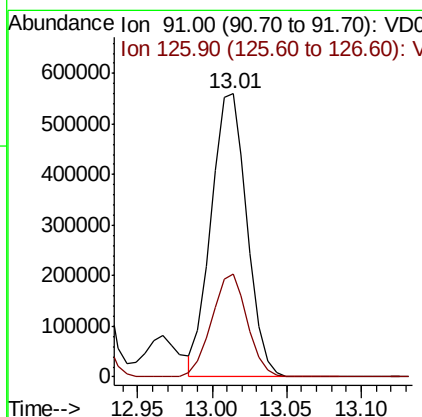
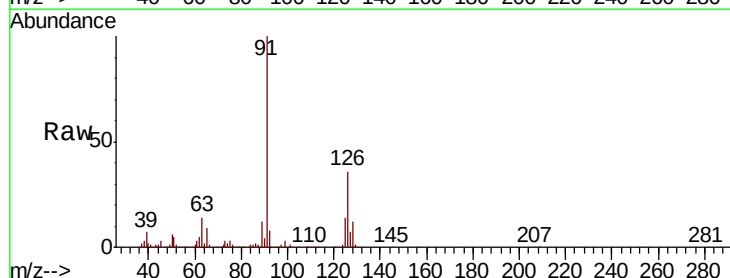
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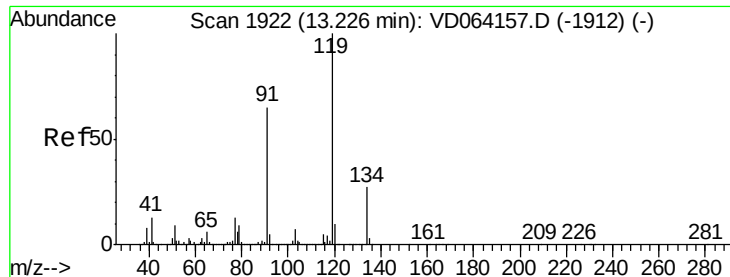
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#82
4-Chlorotoluene
Concen: 49.947 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.01 min
Lab File: VD064240.D
Acq: 15 Nov 2019 21:46

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.3	17.8	53.4





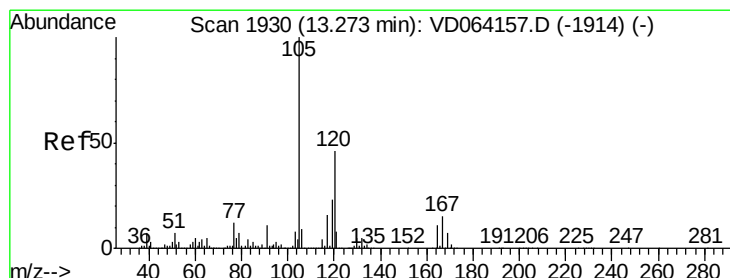
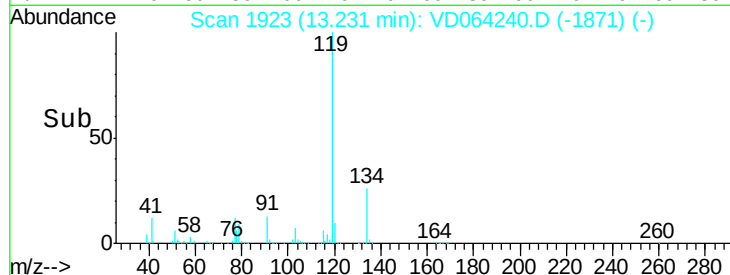
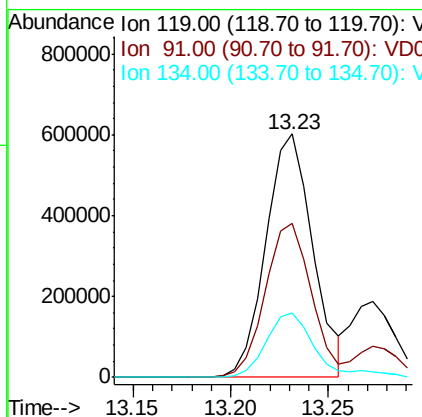
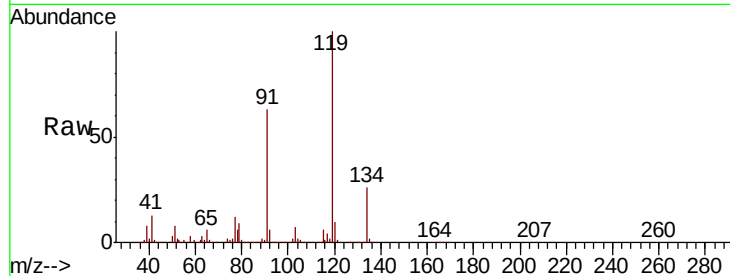
#83
tert-Butylbenzene
Concen: 49.732 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.01 min
Lab File: VD064240.D
Acq: 15 Nov 2019 21:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:119 Resp: 1003695
Ion Ratio Lower Upper
119 100
91 62.1 31.8 95.4
134 27.9 13.7 41.0

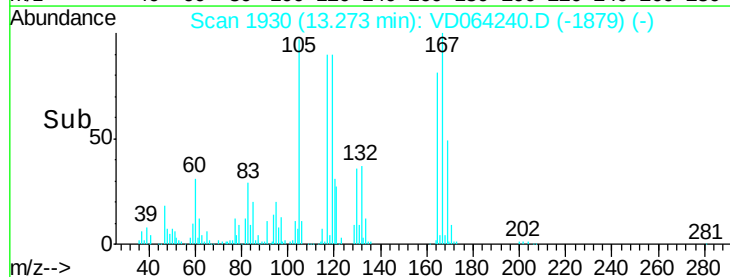
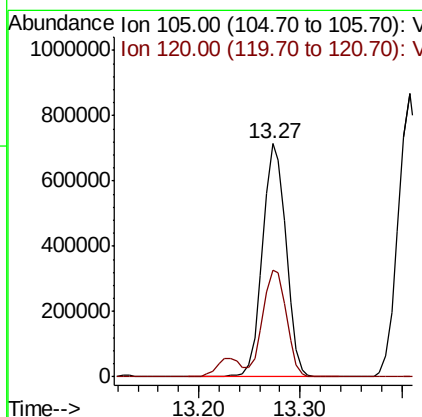
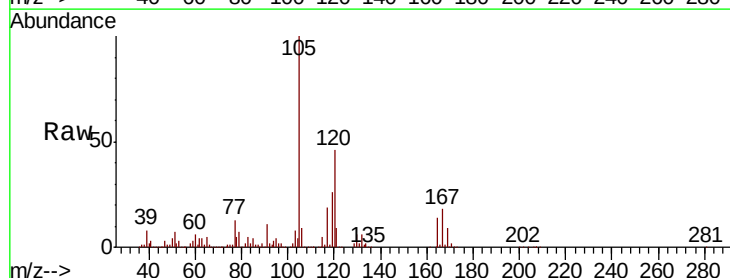
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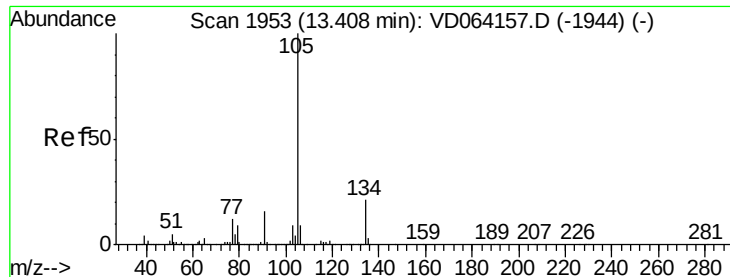
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#84
1,2,4-Trimethylbenzene
Concen: 50.960 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.00 min
Lab File: VD064240.D
Acq: 15 Nov 2019 21:46

Tgt Ion:105 Resp: 1151517
Ion Ratio Lower Upper
105 100
120 46.8 23.3 69.8





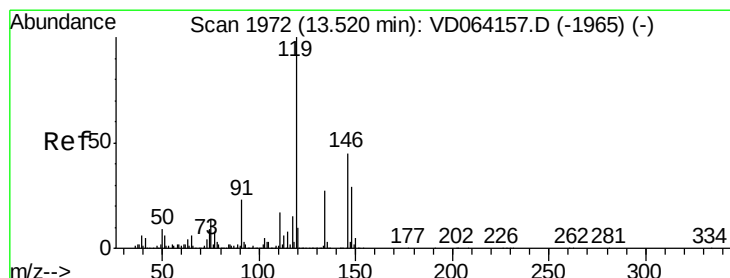
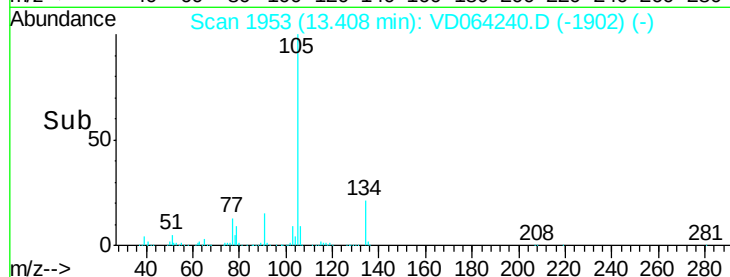
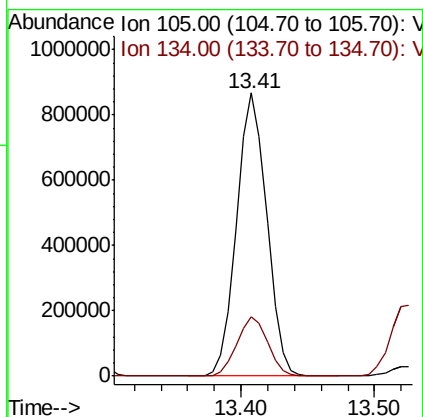
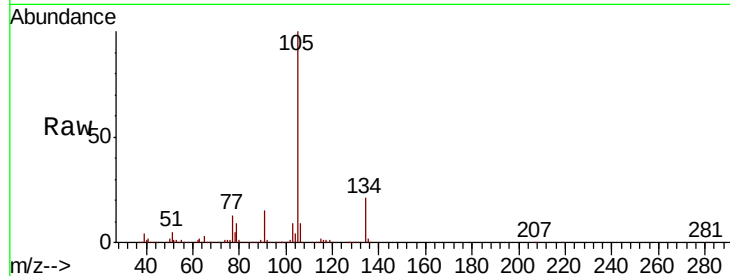
#85
 sec-Butylbenzene
 Concen: 49.951 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. -0.00 min
 Lab File: VD064240.D
 Acq: 15 Nov 2019 21:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:105 Resp: 1353995
 Ion Ratio Lower Upper
 105 100
 134 21.3 10.7 31.9

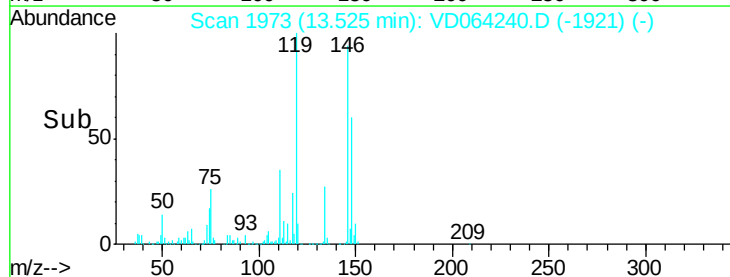
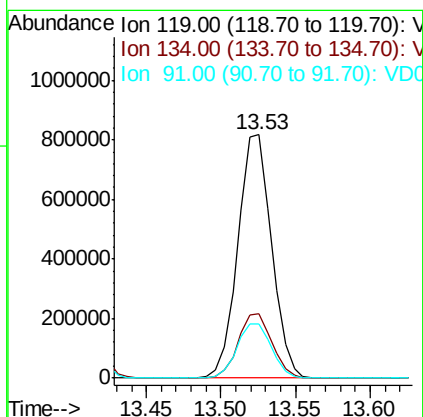
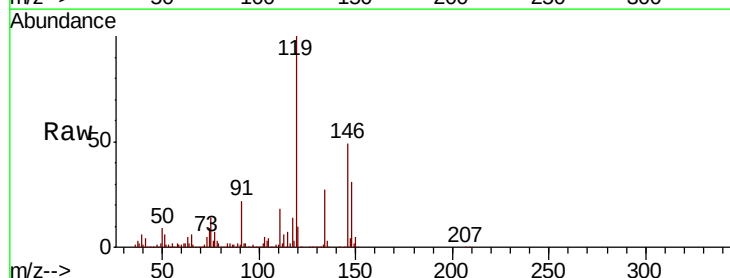
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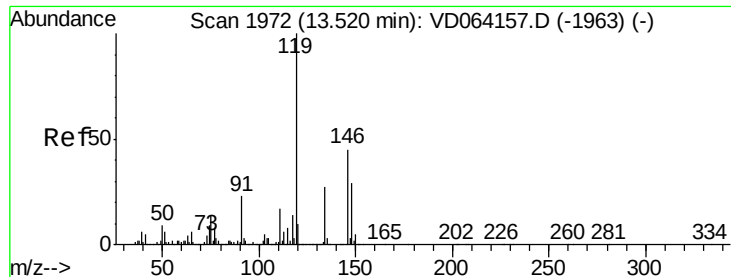
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#86
 p-Isopropyltoluene
 Concen: 49.717 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.01 min
 Lab File: VD064240.D
 Acq: 15 Nov 2019 21:46

Tgt Ion:119 Resp: 1281217
 Ion Ratio Lower Upper
 119 100
 134 26.7 13.5 40.5
 91 22.8 11.5 34.4





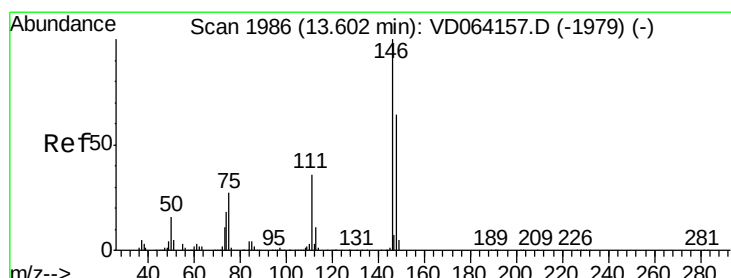
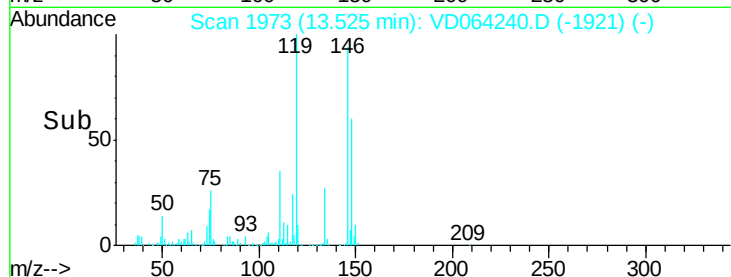
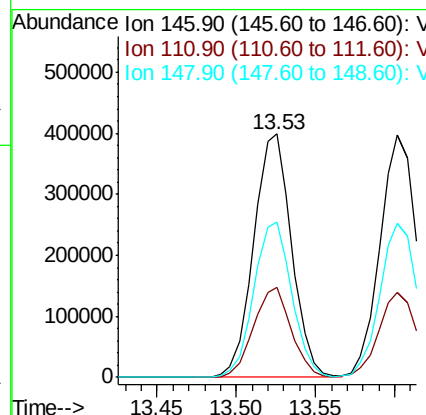
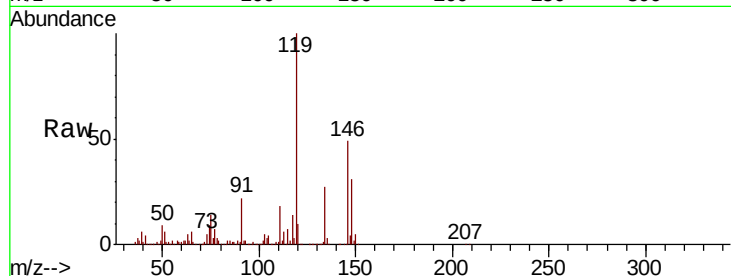
#87
 1,3-Dichlorobenzene
 Concen: 52.809 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.01 min
 Lab File: VD064240.D
 Acq: 15 Nov 2019 21:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.9	56.9
148	63.7	32.1	96.5

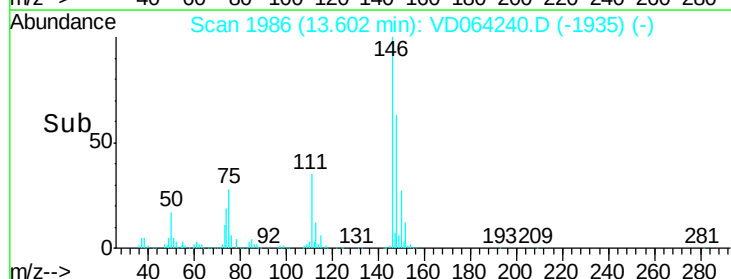
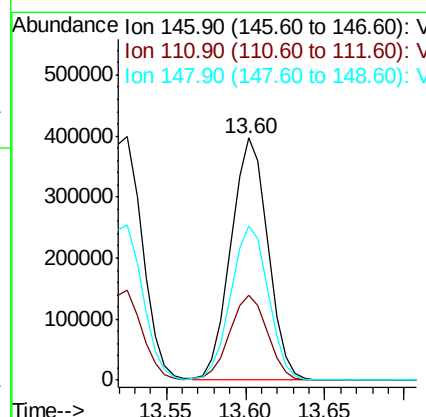
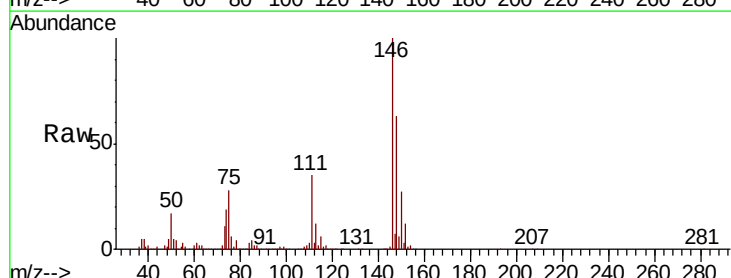
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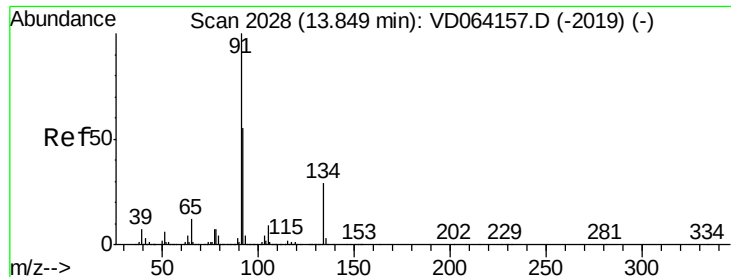
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#88
 1,4-Dichlorobenzene
 Concen: 52.264 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD064240.D
 Acq: 15 Nov 2019 21:46

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.9	18.1	54.4
148	64.6	31.9	95.7





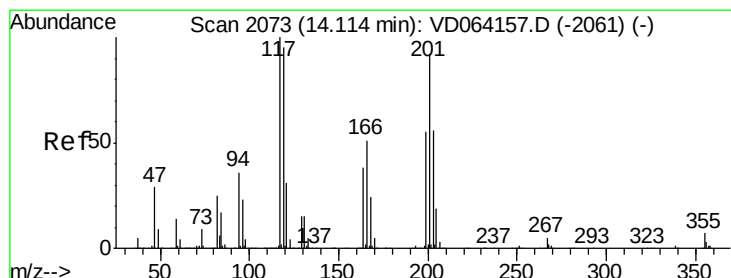
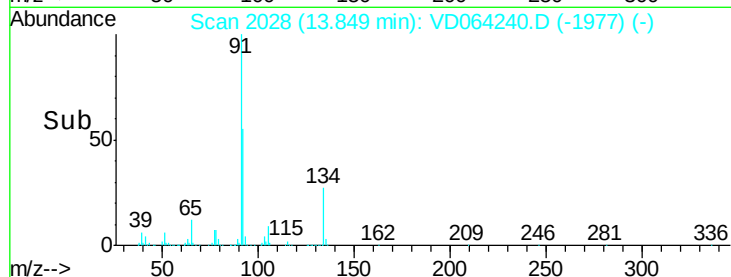
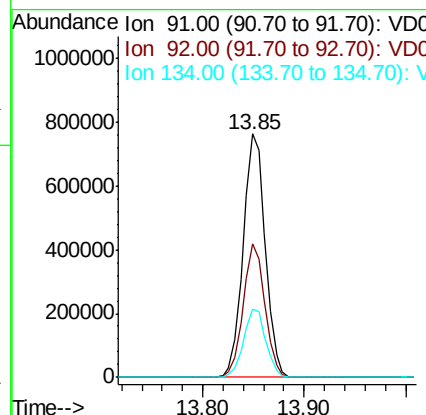
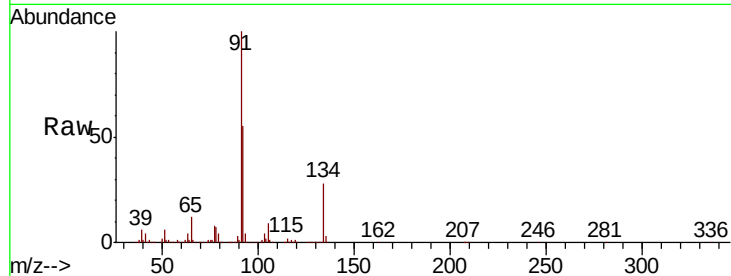
#89
n-Butylbenzene
Concen: 49.436 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD064240.D
Acq: 15 Nov 2019 21:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.8	27.3	81.8
134	28.2	14.1	42.4

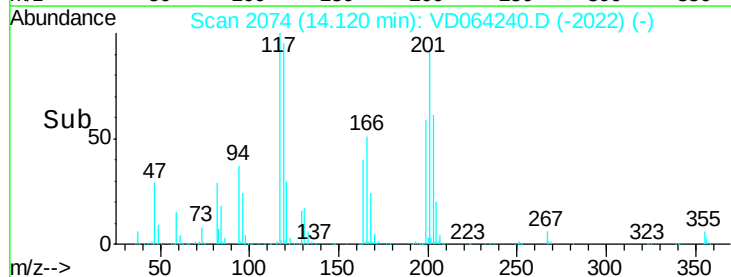
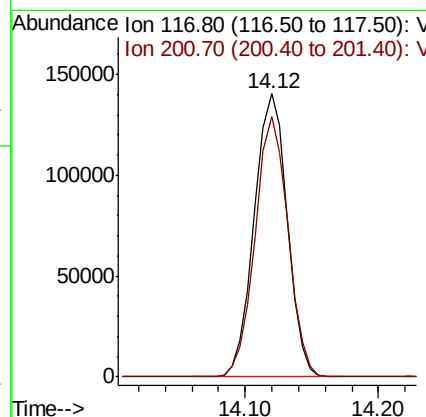
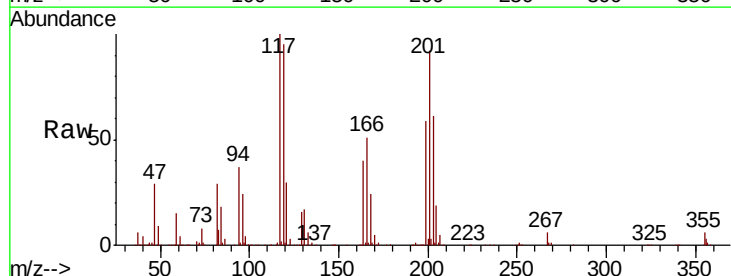
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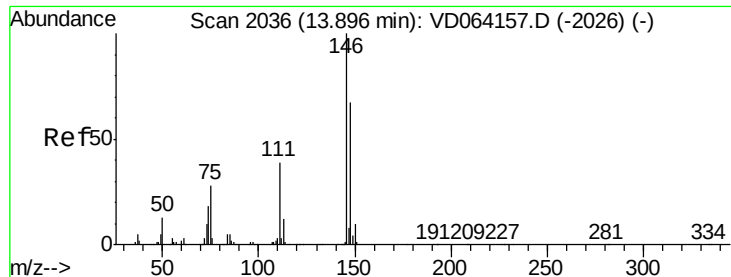
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#90
Hexachloroethane
Concen: 50.327 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD064240.D
Acq: 15 Nov 2019 21:46

Tgt Ion	Ratio	Lower	Upper
117	100		
201	91.4	45.8	137.4





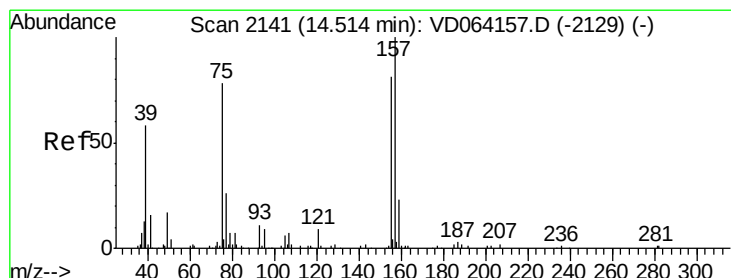
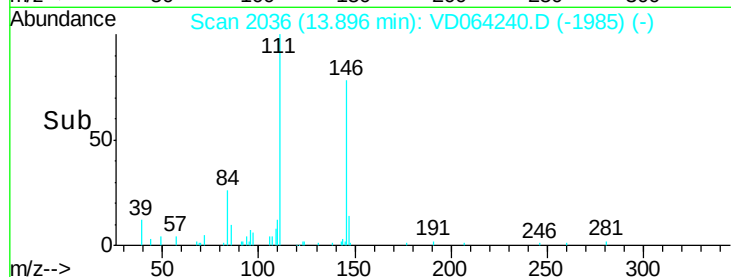
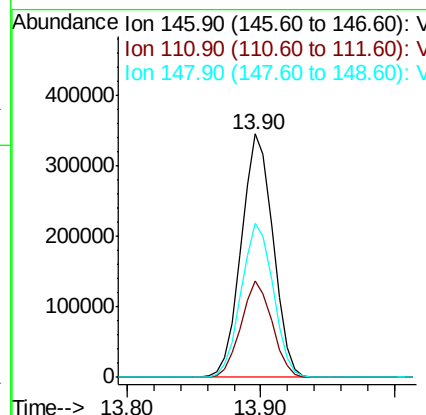
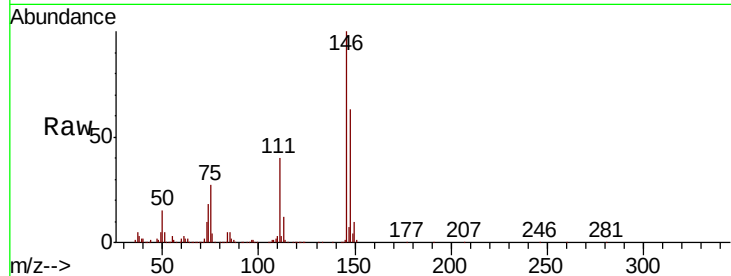
#91
 1,2-Dichlorobenzene
 Concen: 53.323 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD064240.D
 Acq: 15 Nov 2019 21:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.7	59.0
148	63.9	32.3	96.8

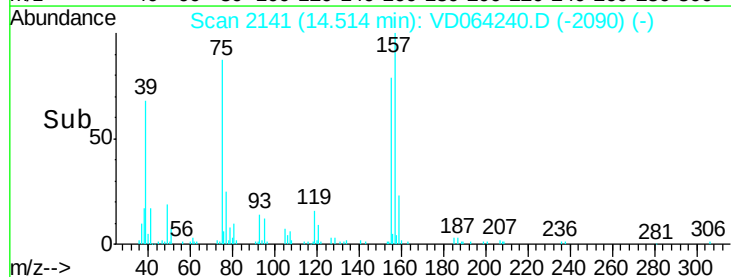
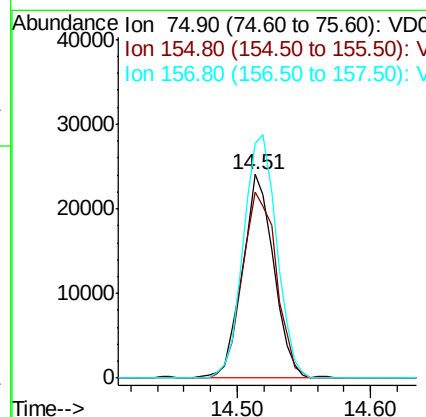
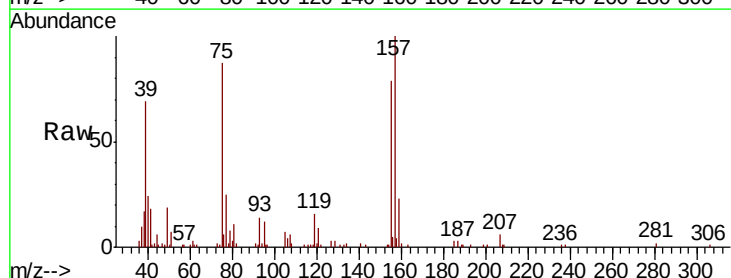
Manual Integrations
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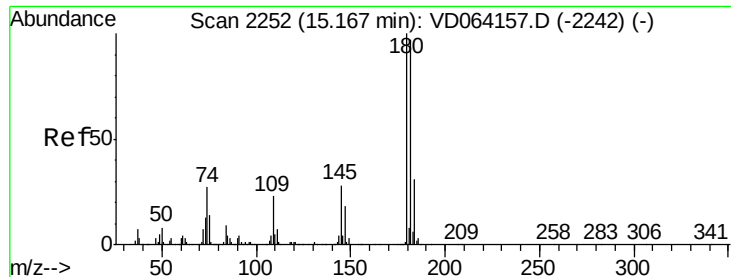
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.455 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.00 min
 Lab File: VD064240.D
 Acq: 15 Nov 2019 21:46

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.6	48.0	144.0
157	125.7	61.5	184.4





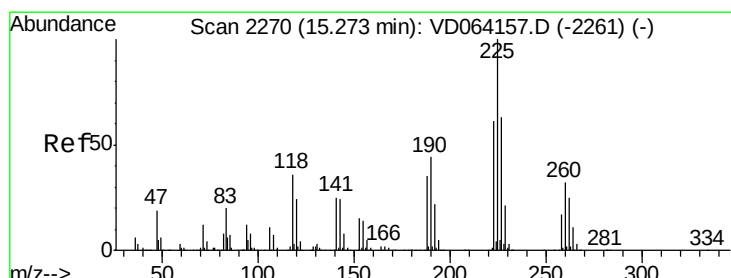
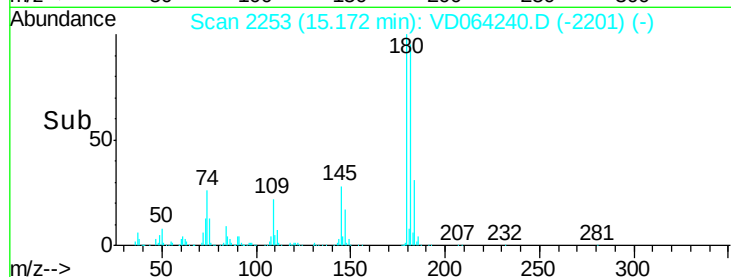
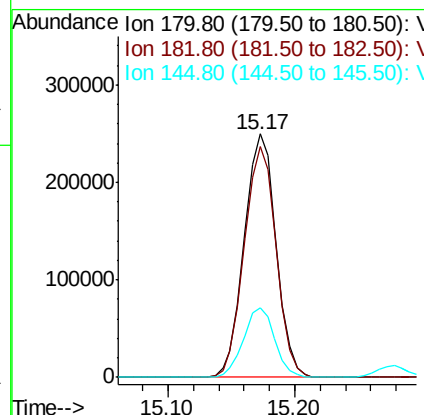
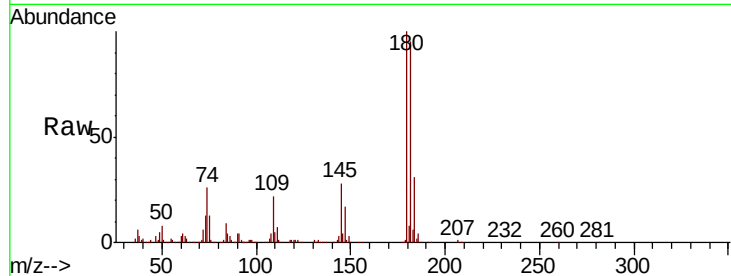
#93
 1,2,4-Trichlorobenzene
 Concen: 52.949 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.01 min
 Lab File: VD064240.D
 Acq: 15 Nov 2019 21:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.1	47.5	142.5	
145	28.3	14.2	42.6	

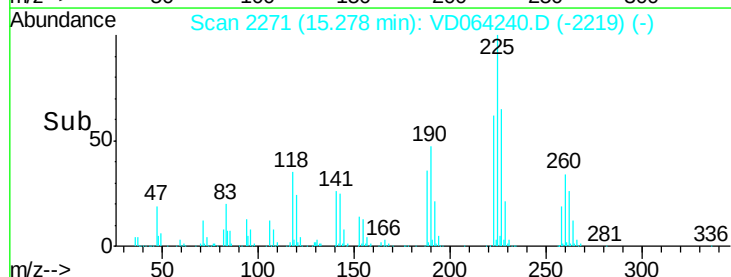
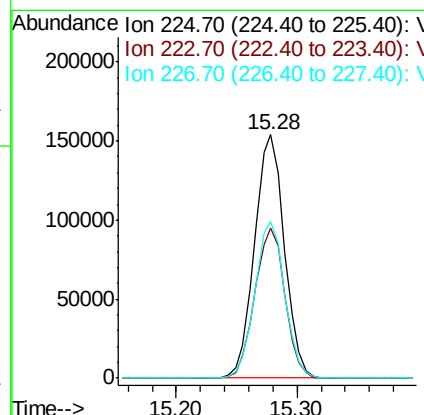
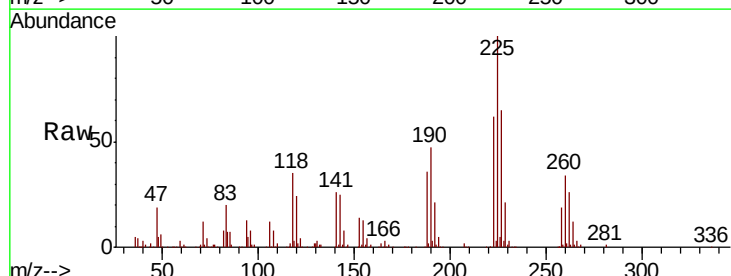
Manual Integrations
 APPROVED

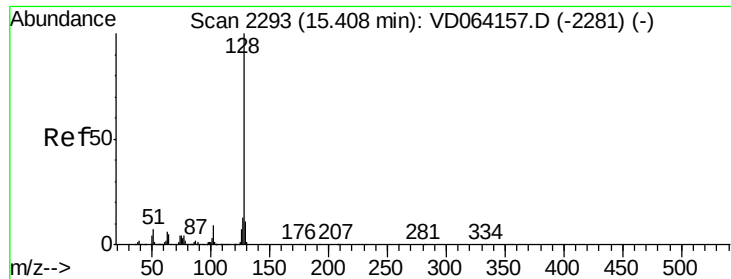
MMDADODA
 11/19/2019 12:22:41 PM



#94
 Hexachlorobutadiene
 Concen: 50.244 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD064240.D
 Acq: 15 Nov 2019 21:46

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.0	31.1	93.3	
227	64.1	31.5	94.5	





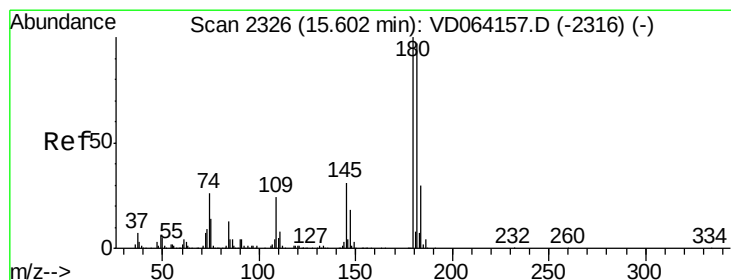
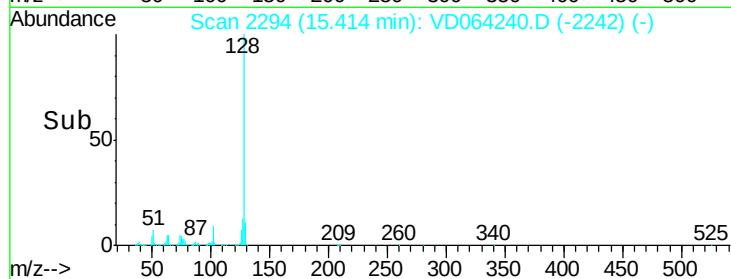
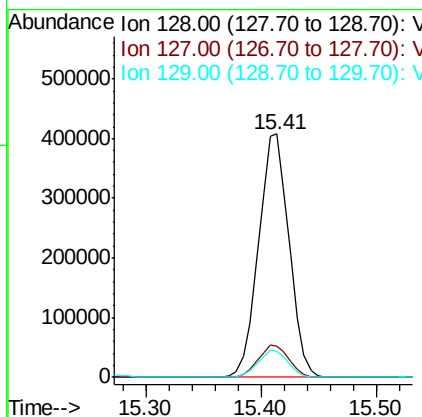
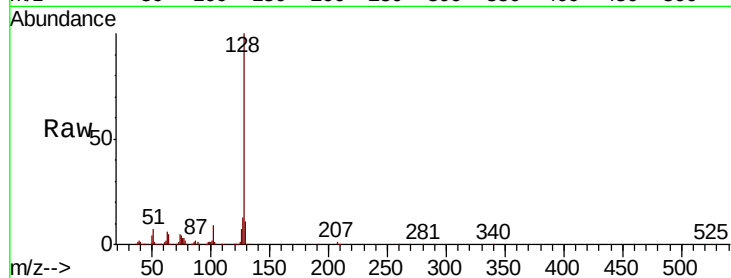
#95
Naphthalene
Concen: 55.837 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.01 min
Lab File: VD064240.D
Acq: 15 Nov 2019 21:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.5	15.7
129	11.1	8.6	13.0

Manual Integrations
APPROVED

MMDADODA
11/19/2019 12:22:41 PM



#96
1,2,3-Trichlorobenzene
Concen: 54.794 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.01 min
Lab File: VD064240.D
Acq: 15 Nov 2019 21:46

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	48.3	144.9
145	29.9	15.3	45.8

