

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120519\
 Data File : VD064447.D
 Acq On : 05 Dec 2019 20:22
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

apatel
 12/6/2019 12:59:19 PM

Quant Time: Dec 06 07:07:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 29 07:18:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	491651	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	740413	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	705498	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	382377	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	236010	53.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.06%	
35) Dibromofluoromethane	7.92	113	230927	49.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.00%	
50) Toluene-d8	10.34	98	881695	50.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.34%	
62) 4-Bromofluorobenzene	12.64	95	306923	54.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	239508	53.764	ug/l	98
3) Chloromethane	2.21	50	317686	56.540	ug/l	99
4) Vinyl Chloride	2.35	62	308844	47.606	ug/l	97
5) Bromomethane	2.77	94	216313	45.088	ug/l	95
6) Chloroethane	2.93	64	216269	49.875	ug/l	98
7) Trichlorofluoromethane	3.27	101	510295	47.316	ug/l	99
8) Diethyl Ether	3.71	74	125603	56.045	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.08	101	229056	49.534	ug/l	99
10) Methyl Iodide	4.29	142	259692	53.179	ug/l	100
11) Tert butyl alcohol	5.26	59	72454	255.772	ug/l #	100
12) 1,1-Dichloroethene	4.06	96	220052	49.656	ug/l	100
13) Acrolein	3.93	56	99429	257.333	ug/l	98
14) Allyl chloride	4.71	41	360917	52.186	ug/l	100
15) Acrylonitrile	5.43	53	255768	260.983	ug/l	99
16) Acetone	4.17	43	228803	254.427	ug/l	96
17) Carbon Disulfide	4.40	76	673420	47.981	ug/l	98
18) Methyl Acetate	4.73	43	144264	54.996	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	555965	54.693	ug/l	100
20) Methylene Chloride	4.96	84	257909	57.073	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	249457	49.765	ug/l	98
22) Diisopropyl ether	6.37	45	746433	54.672	ug/l	98
23) Vinyl Acetate	6.31	43	2172928	269.968	ug/l	97
24) 1,1-Dichloroethane	6.27	63	422763	51.490	ug/l	99
25) 2-Butanone	7.22	43	322060	253.236	ug/l	98
26) 2,2-Dichloropropane	7.21	77	353125	49.454	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	282421	51.678	ug/l	100
28) Bromochloromethane	7.55	49	154195	54.952	ug/l	99
29) Tetrahydrofuran	7.57	42	207797	256.813	ug/l	97
30) Chloroform	7.71	83	445688	52.413	ug/l	99
31) Cyclohexane	7.98	56	361063	50.406	ug/l	98
32) 1,1,1-Trichloroethane	7.91	97	399231	50.641	ug/l	98
36) 1,1-Dichloropropene	8.11	75	328737	46.940	ug/l	99
37) Ethyl Acetate	7.30	43	152906	51.455	ug/l	99
38) Carbon Tetrachloride	8.10	117	358165	48.457	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	410972	47.307	ug/l	97
40) Benzene	8.35	78	952876	48.988	ug/l	99
41) Methacrylonitrile	7.54	41	97038	56.941	ug/l	98
42) 1,2-Dichloroethane	8.43	62	293992	51.828	ug/l	99
43) Isopropyl Acetate	8.46	43	305314	52.255	ug/l	99
44) Trichloroethene	9.11	130	280184	47.820	ug/l	97
45) 1,2-Dichloropropane	9.39	63	238055	51.174	ug/l	99
46) Dibromomethane	9.48	93	133906	51.002	ug/l	97
47) Bromodichloromethane	9.66	83	355575	52.708	ug/l	99
48) Methyl methacrylate	9.46	41	139912	52.330	ug/l	97
49) 1,4-Dioxane	9.47	88	32738	1009.770	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	751375	259.904	ug/l	99
52) Toluene	10.40	92	626649	49.434	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	344142	53.527	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	395776	51.818	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	188307	52.379	ug/l	98
56) Ethyl methacrylate	10.66	69	247111	53.892	ug/l	99
57) 1,3-Dichloropropane	10.95	76	323552	52.870	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	461942	252.720	ug/l	98
59) 2-Hexanone	10.99	43	514950	256.703	ug/l	99
60) Dibromochloromethane	11.14	129	259773	53.294	ug/l	100
61) 1,2-Dibromoethane	11.25	107	188535	52.524	ug/l	99
64) Tetrachloroethene	10.88	164	250394	46.542	ug/l	98
65) Chlorobenzene	11.67	112	704141	47.854	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	274591	50.411	ug/l	98
67) Ethyl Benzene	11.75	91	1245559	47.576	ug/l	99
68) m/p-Xylenes	11.86	106	970598	97.232	ug/l	99
69) o-Xylene	12.18	106	462815	50.201	ug/l	100
70) Styrene	12.20	104	796071	49.690	ug/l	100
71) Bromoform	12.37	173	162633	49.904	ug/l #	96
73) Isopropylbenzene	12.48	105	1193873	43.412	ug/l	100
74) N-amyl acetate	12.29	43	294442	47.173	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	12.74	83	207149	45.549	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	153919m	48.948	ug/l	
77) Bromobenzene	12.77	156	323367	47.615	ug/l	95
78) n-propylbenzene	12.83	91	1382874	43.581	ug/l	100
79) 2-Chlorotoluene	12.91	91	776223	44.458	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	1030458	45.852	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	63353	43.931	ug/l	97
82) 4-Chlorotoluene	13.01	91	815546	44.117	ug/l	98
83) tert-Butylbenzene	13.23	119	871130	44.586	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	1057180	46.782	ug/l	99
85) sec-Butylbenzene	13.41	105	1176085	43.858	ug/l	100
86) p-Isopropyltoluene	13.53	119	1133896	44.789	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	577003	44.765	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	567009	44.556	ug/l	99
89) n-Butylbenzene	13.85	91	1013686	44.092	ug/l	99
90) Hexachloroethane	14.12	117	206593	43.630	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	503628	45.719	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.52	75	33986	50.015	ug/l	94

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Quant Title : SW846 8260
QLast Update : Fri Nov 29 07:18:03 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	364975	43.262	ug/l	99
94) Hexachlorobutadiene	15.28	225	226574	43.504	ug/l	99
95) Naphthalene	15.41	128	647193	45.968	ug/l	98
96) 1,2,3-Trichlorobenzene	15.61	180	327581	45.489	ug/l	97

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

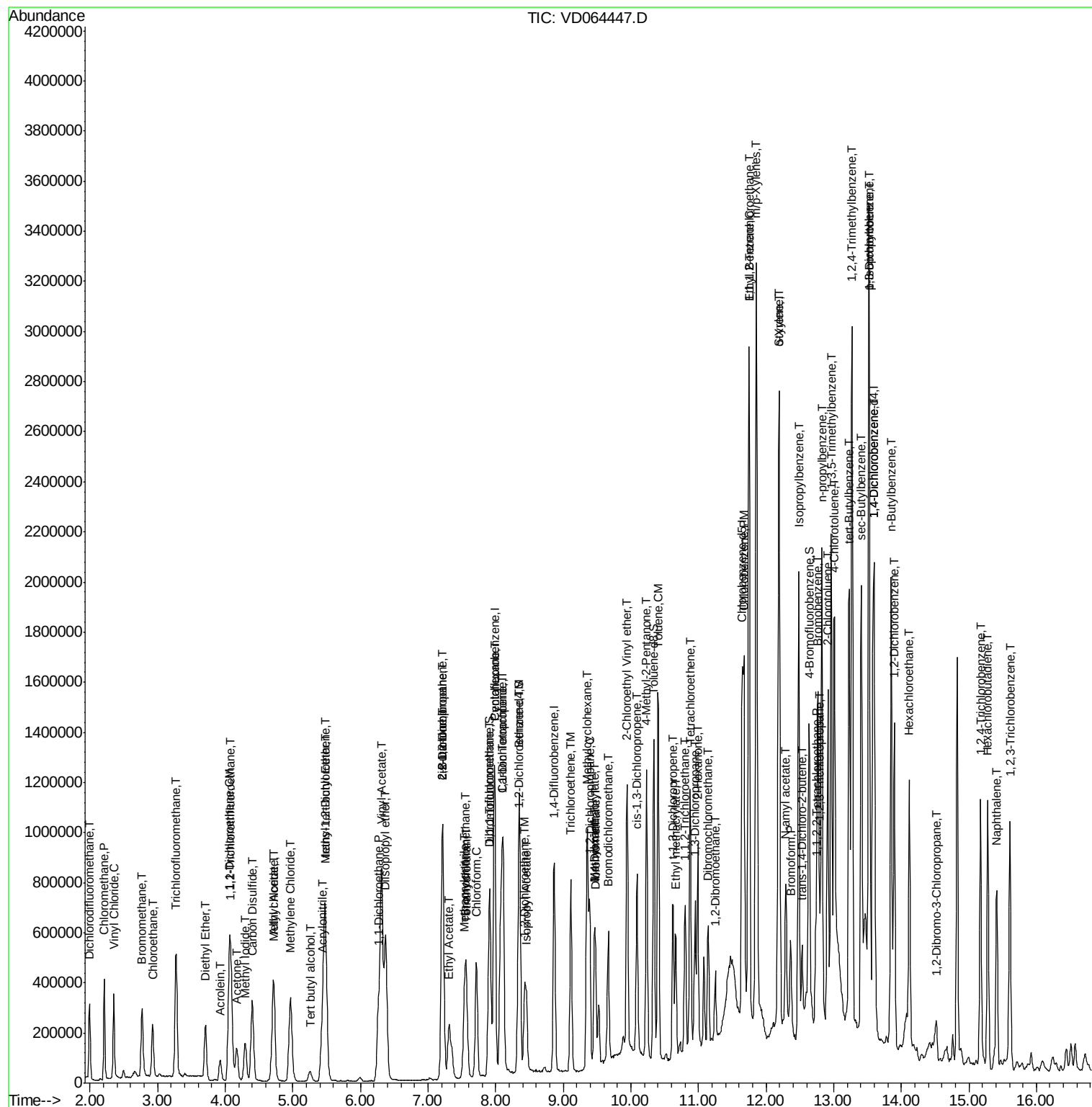
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD120519\
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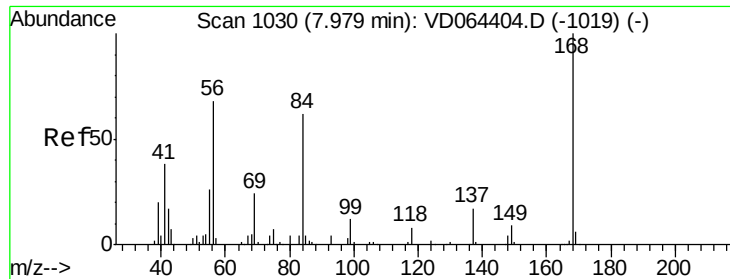
Instrument :
MSVOA_D
ClientSampleId :
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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD064447.D

Acq: 05 Dec 2019 20:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 491651

Ion Ratio Lower Upper

168 100

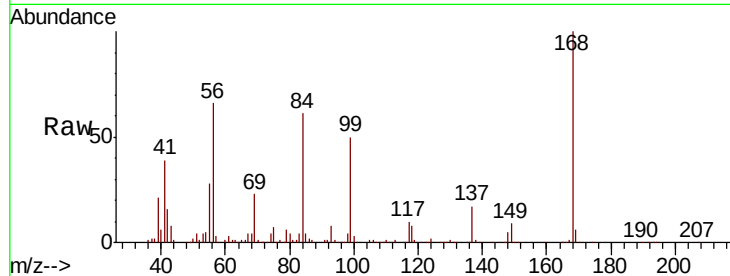
99 49.9 40.7 61.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

250000

200000

150000

100000

50000

0

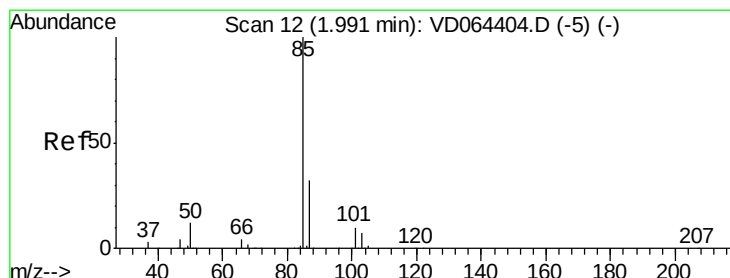
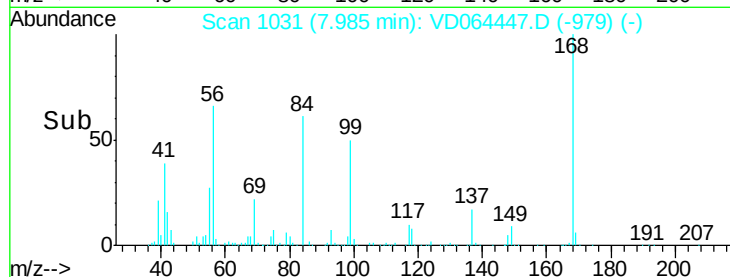
7.90

8.00

8.10

8.20

Time-->



#2

Dichlorodifluoromethane

Concen: 53.764 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD064447.D

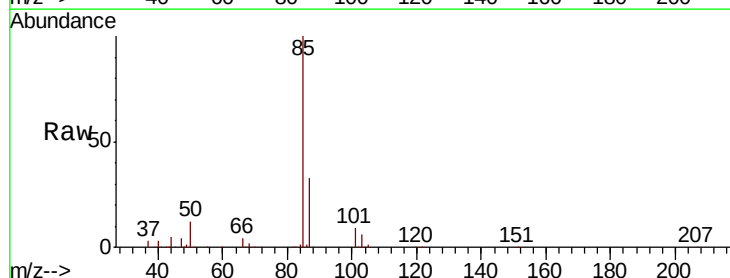
Acq: 05 Dec 2019 20:22

Tgt Ion: 85 Resp: 239508

Ion Ratio Lower Upper

85 100

87 33.0 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

150000

100000

50000

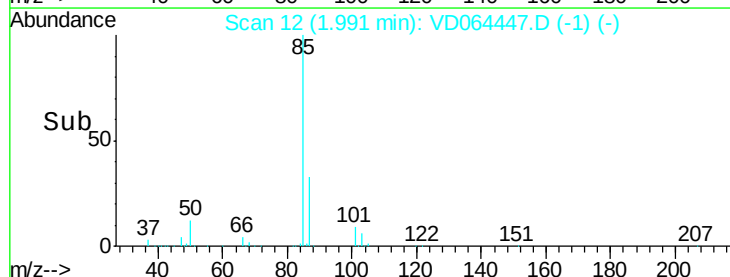
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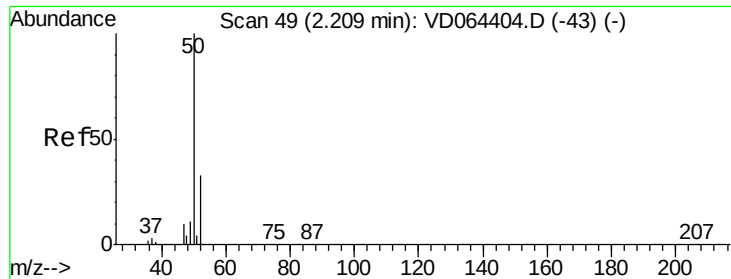
1.90

2.00

2.10

Time-->





#3

Chloromethane

Concen: 56.540 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD064447.D

Acq: 05 Dec 2019 20:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 317686

Ion Ratio Lower Upper

50 100

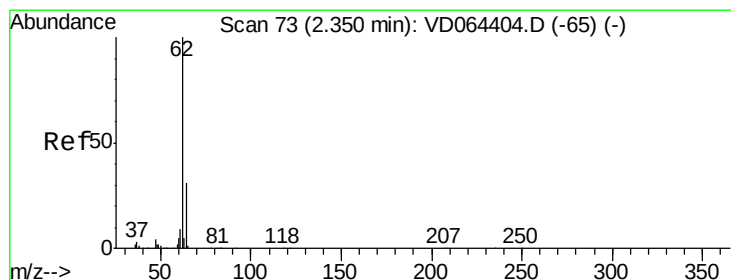
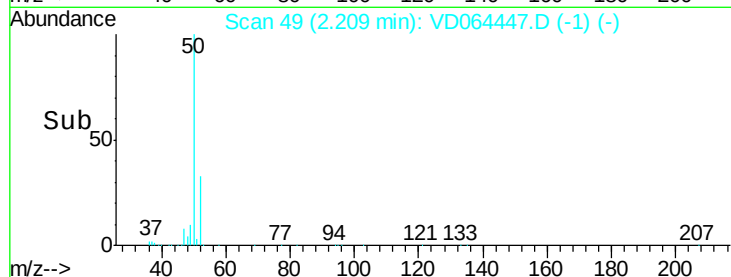
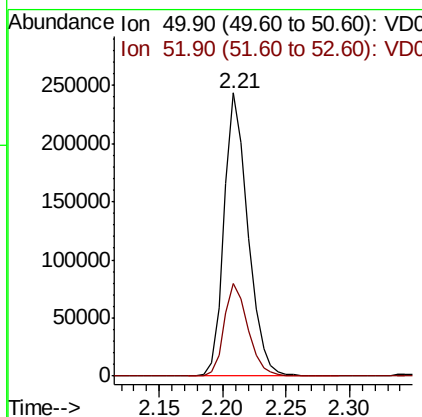
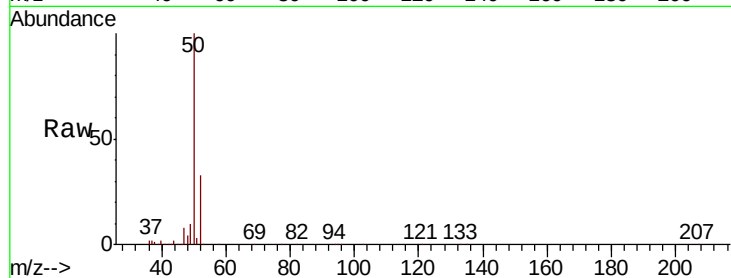
52 32.9 26.7 40.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 47.606 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD064447.D

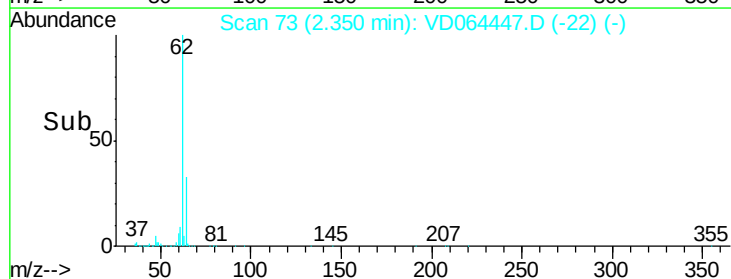
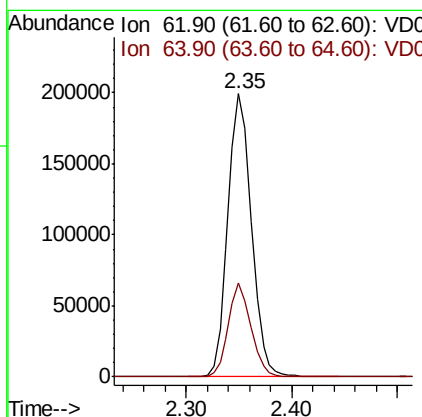
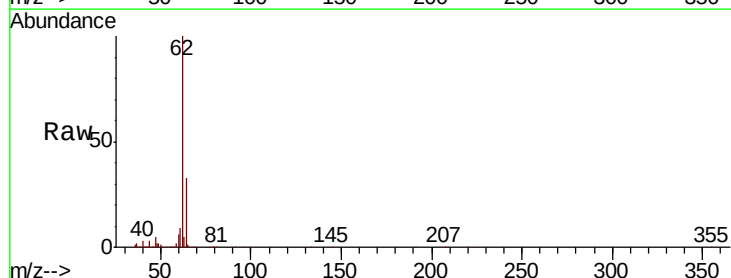
Acq: 05 Dec 2019 20:22

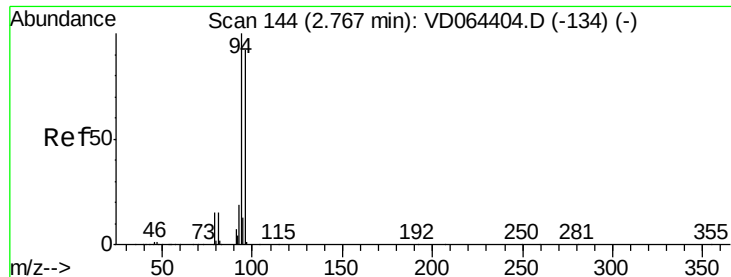
Tgt Ion: 62 Resp: 308844

Ion Ratio Lower Upper

62 100

64 33.1 25.0 37.4





#5

Bromomethane

Concen: 45.088 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.00 min

Lab File: VD064447.D

Acq: 05 Dec 2019 20:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 216313

Ion Ratio Lower Upper

94 100

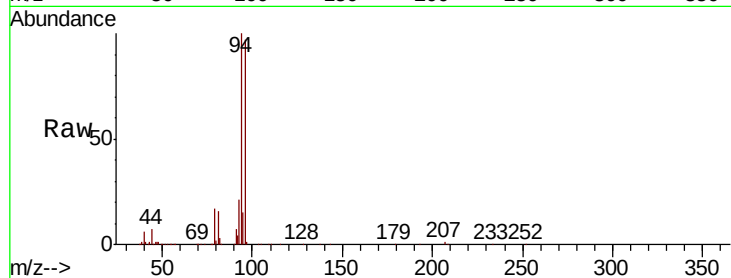
96 97.0 73.6 110.4

Manual Integrations

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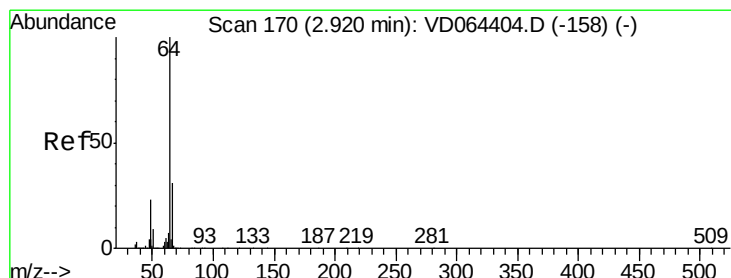
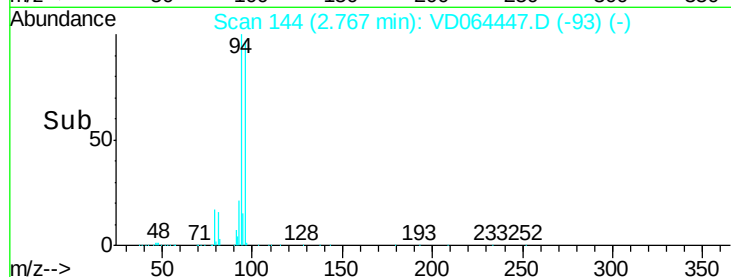
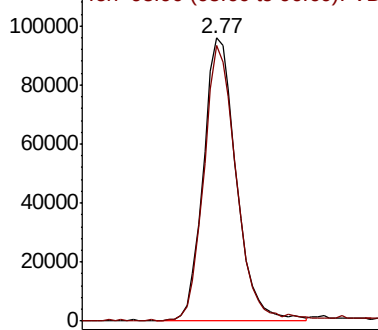
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 49.875 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD064447.D

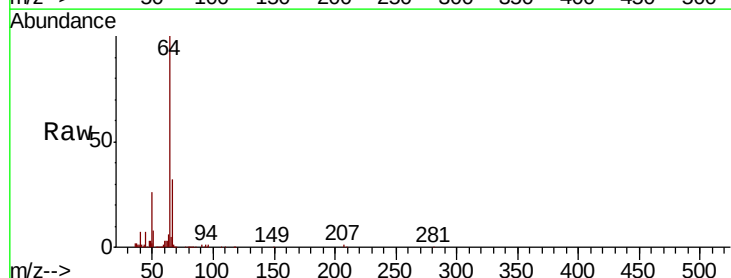
Acq: 05 Dec 2019 20:22

Tgt Ion: 64 Resp: 216269

Ion Ratio Lower Upper

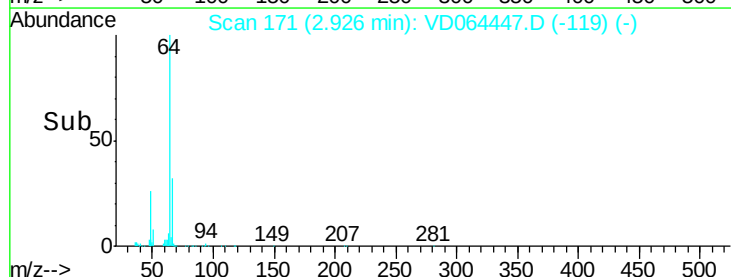
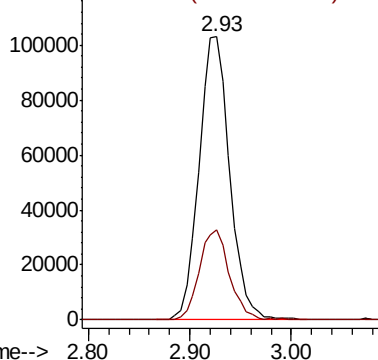
64 100

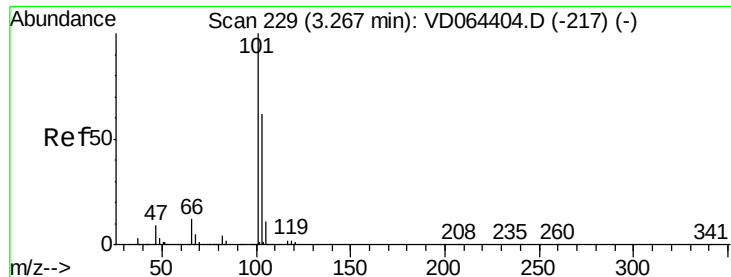
66 31.7 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

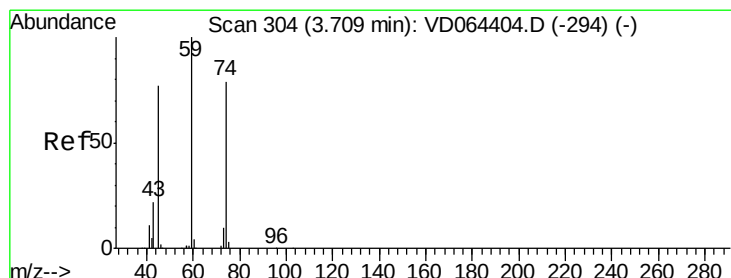
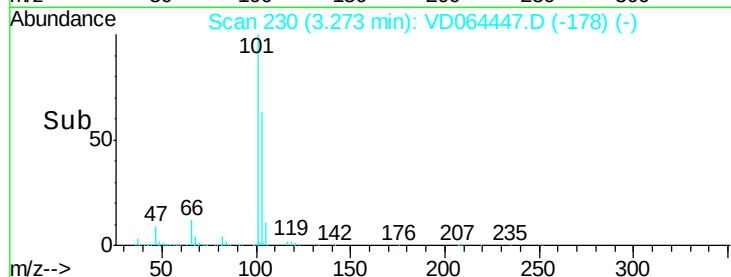
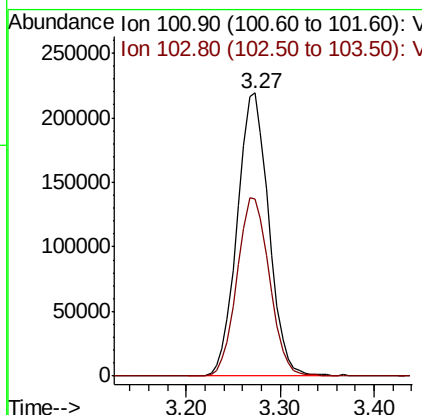
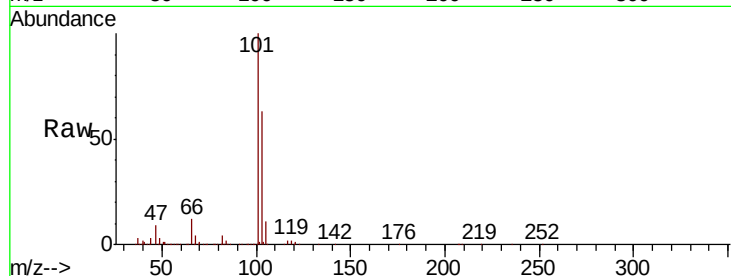
Trichlorofluoromethane
 Concen: 47.316 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.01 min
 Lab File: VD064447.D
 Acq: 05 Dec 2019 20:22

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	62.6	49.8	74.6

Manual Integrations
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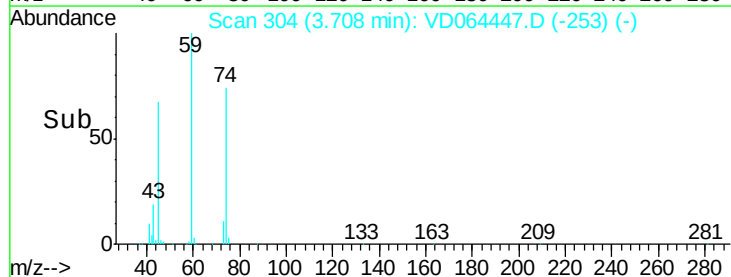
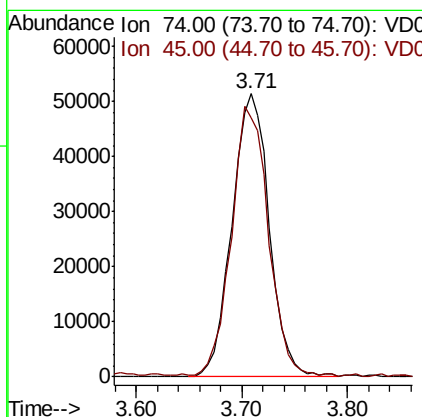
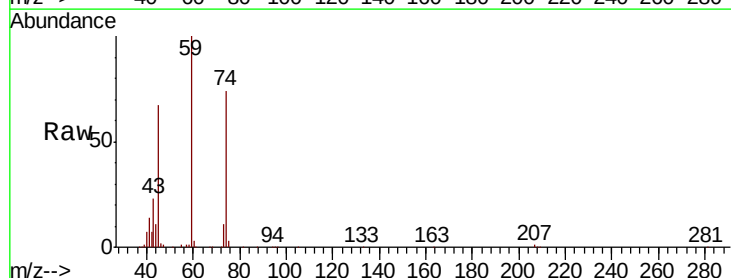
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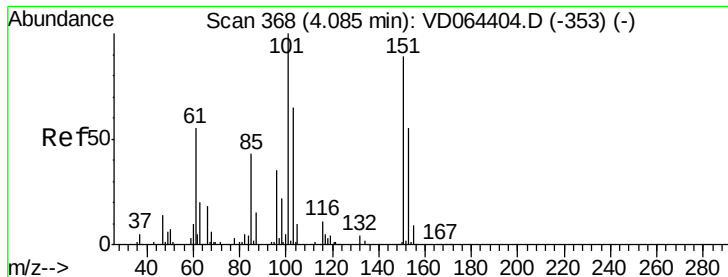


#8

Diethyl Ether
 Concen: 56.045 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD064447.D
 Acq: 05 Dec 2019 20:22

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.1	48.6	145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.534 ug/l

RT: 4.08 min Scan# 368

Delta R.T. -0.00 min

Lab File: VD064447.D

Acq: 05 Dec 2019 20:22

Instrument :

MSVOA_D

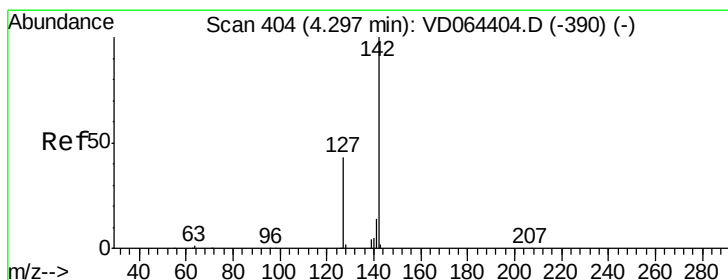
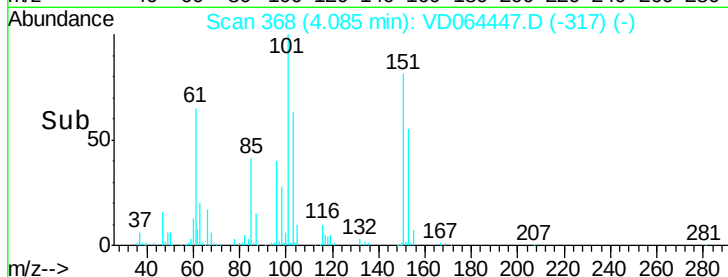
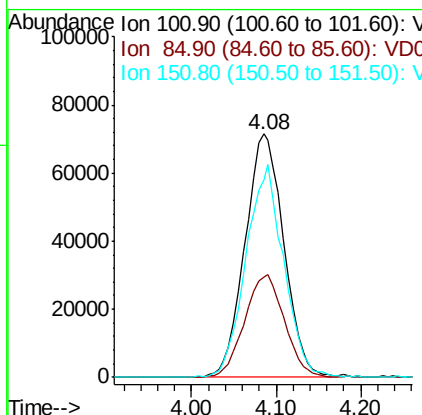
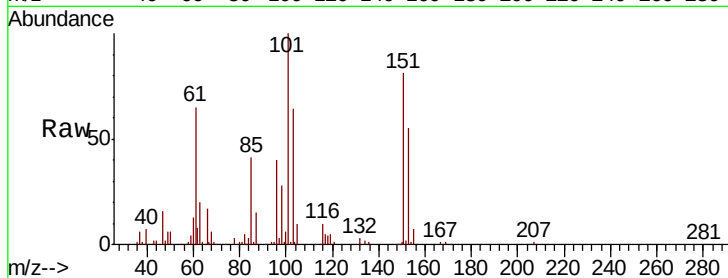
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	229056
Ion Ratio	Lower	Upper	
101	100		
85	43.1	34.8	52.2
151	84.8	68.8	103.2

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#10

Methyl Iodide

Concen: 53.179 ug/l

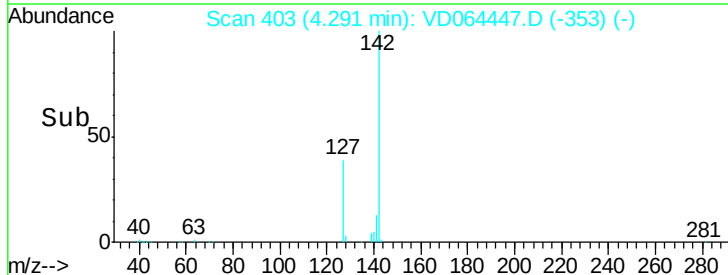
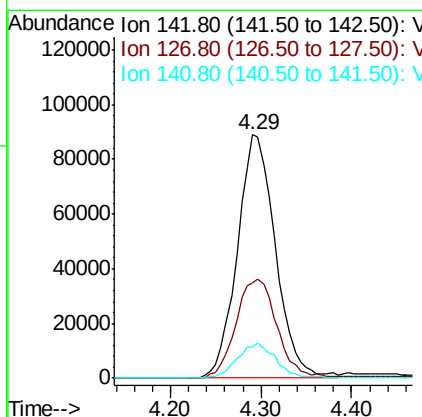
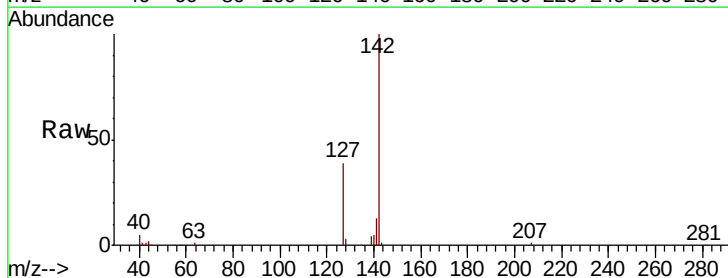
RT: 4.29 min Scan# 403

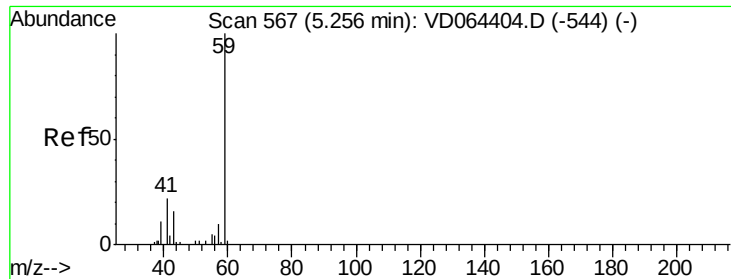
Delta R.T. -0.01 min

Lab File: VD064447.D

Acq: 05 Dec 2019 20:22

Tgt Ion:	142	Resp:	259692
Ion Ratio	Lower	Upper	
142	100		
127	43.9	35.3	52.9
141	14.6	11.6	17.4





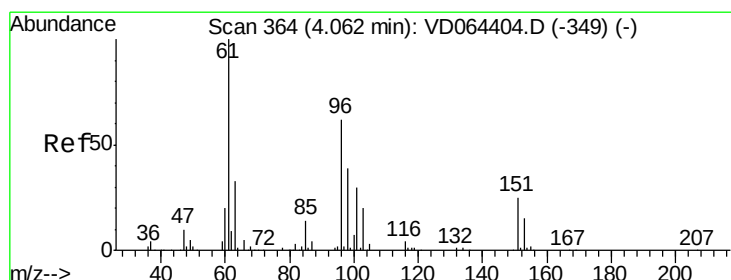
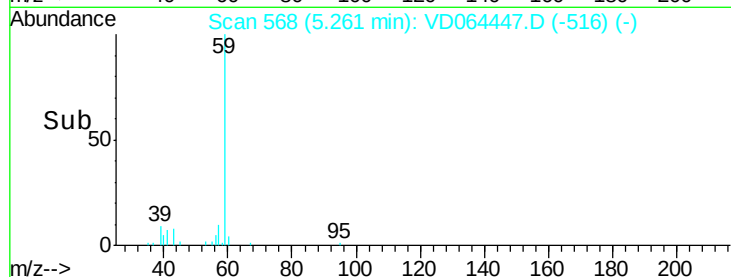
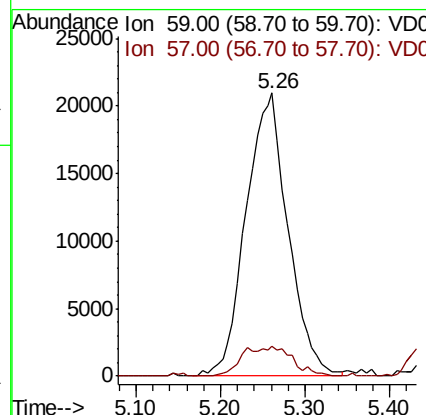
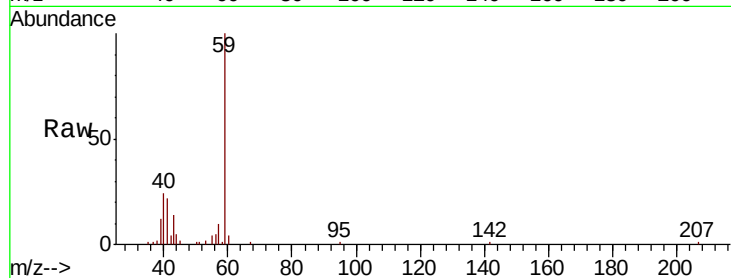
#11
Tert butyl alcohol
Concen: 255.772 ug/l
RT: 5.26 min Scan# 568
Delta R.T. 0.01 min
Lab File: VD064447.D
Acq: 05 Dec 2019 20:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	57	Ratio	100	0.0	Resp:	72454	Lower	Upper
59	100								
57		0.0			0.0				0.0

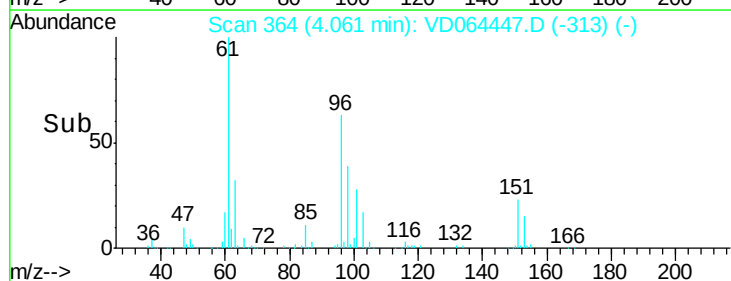
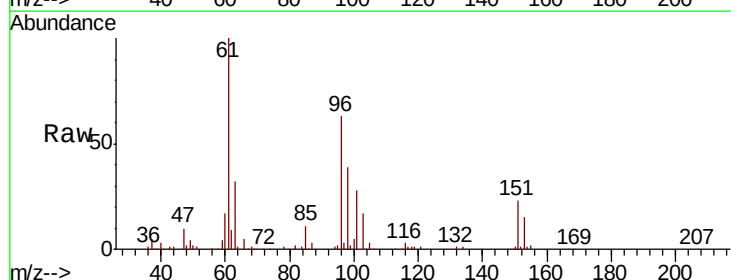
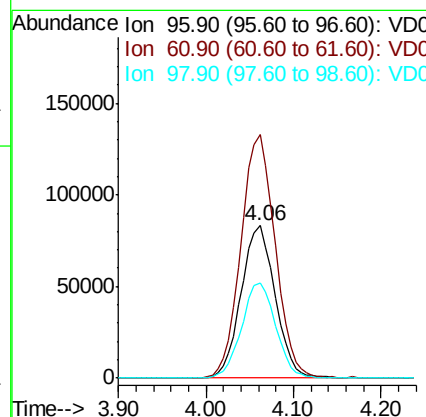
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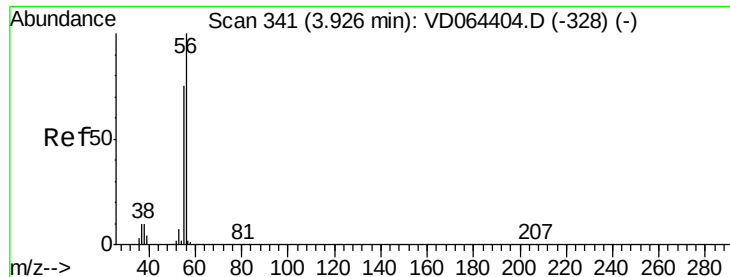
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#12
1,1-Dichloroethene
Concen: 49.656 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.00 min
Lab File: VD064447.D
Acq: 05 Dec 2019 20:22

Tgt Ion	96	61	98	Ratio	100	159.9	62.3	Resp:	220052	Lower	Upper
96	100										
61		159.9			128.2					192.4	
98			62.3		50.4						75.6





#13

Acrolein

Concen: 257.333 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD064447.D

Acq: 05 Dec 2019 20:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 99429

Ion Ratio Lower Upper

56 100

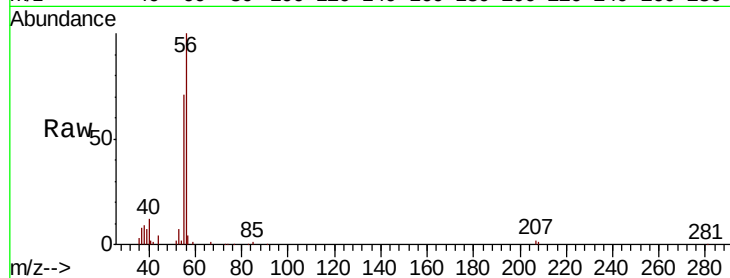
55 69.6 56.9 85.3

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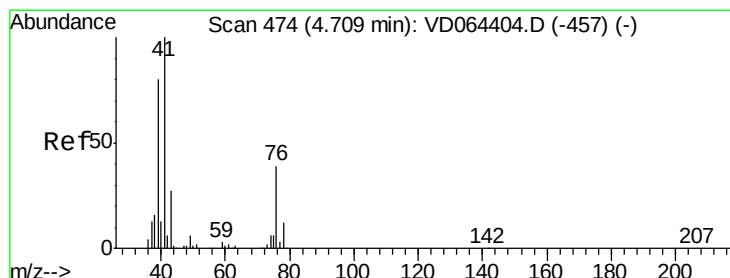
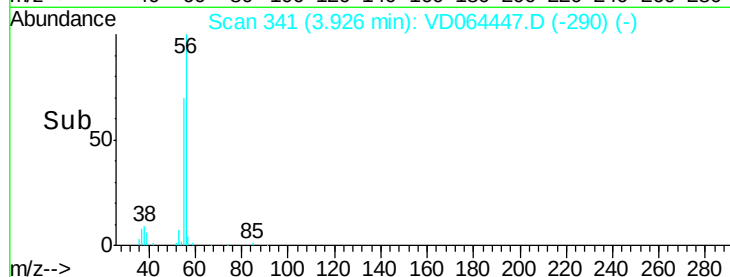
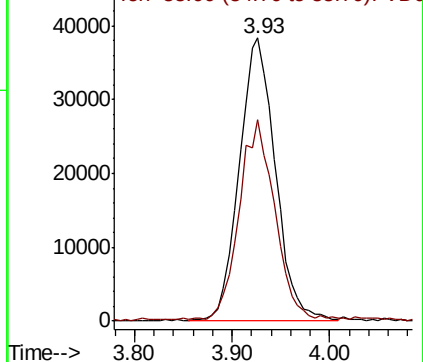
apatel

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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: 52.186 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD064447.D

Acq: 05 Dec 2019 20:22

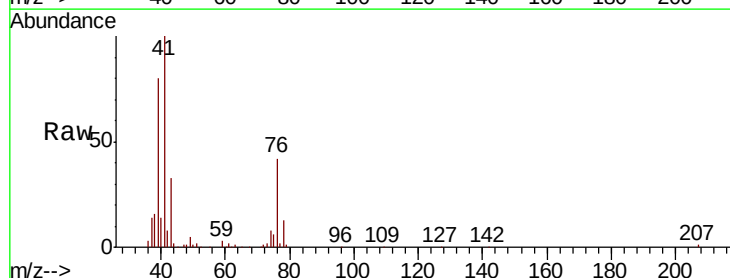
Tgt Ion: 41 Resp: 360917

Ion Ratio Lower Upper

41 100

39 77.9 62.1 93.1

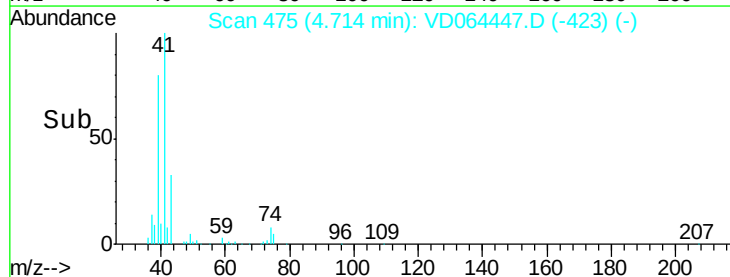
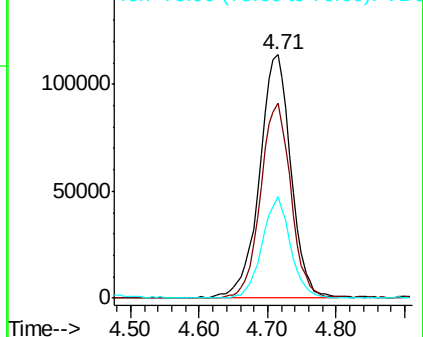
76 37.8 29.8 44.8

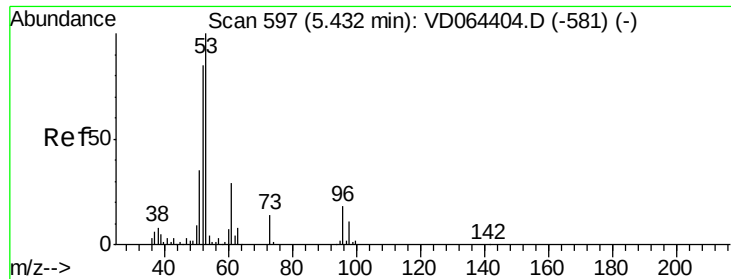


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 260.983 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD064447.D

Acq: 05 Dec 2019 20:22

Instrument :

MSVOA_D

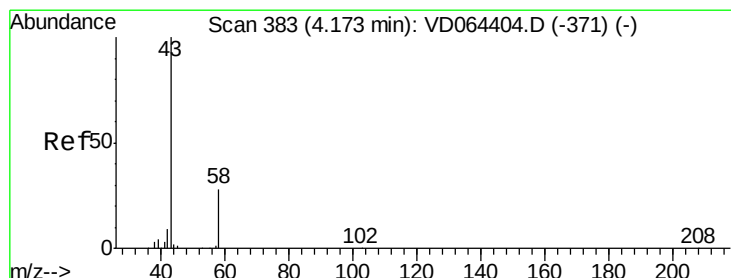
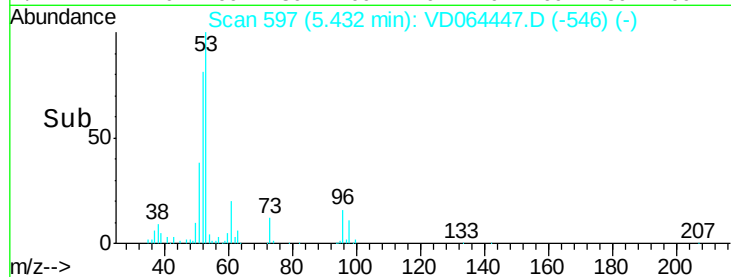
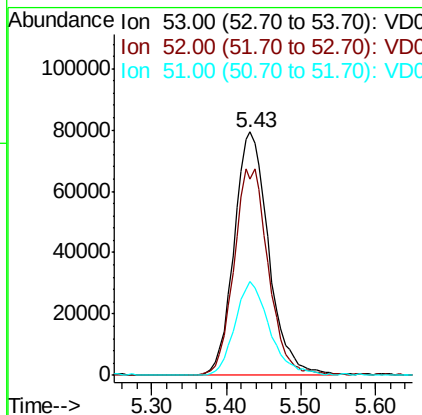
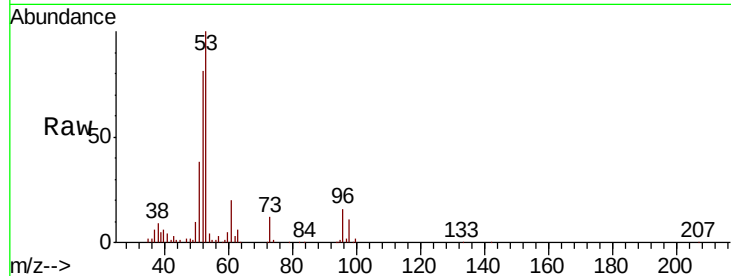
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	255768
Ion Ratio	Lower	Upper	
53	100		
52	84.3	67.9	101.9
51	38.7	30.6	45.8

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#16

Acetone

Concen: 254.427 ug/l

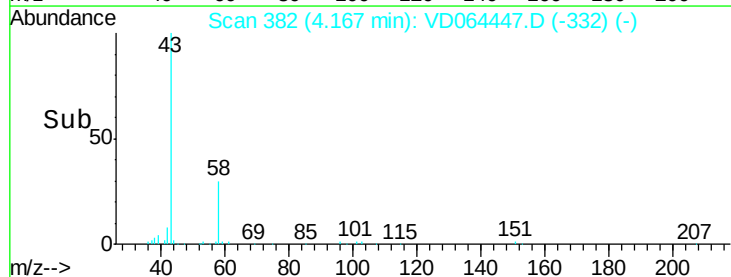
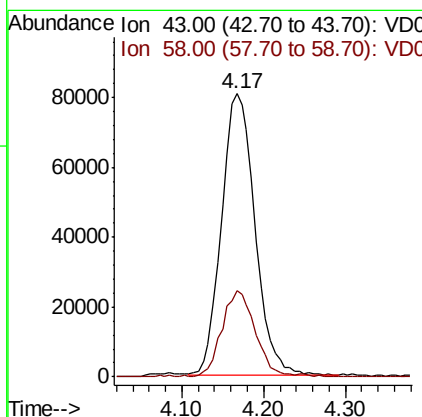
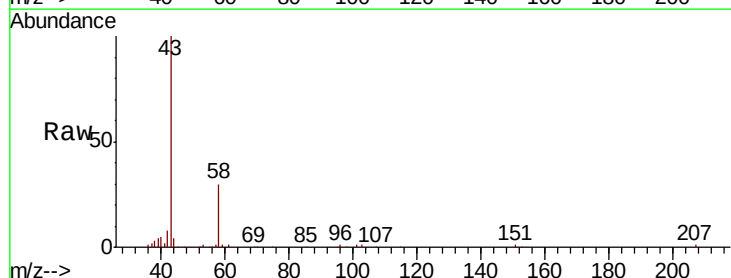
RT: 4.17 min Scan# 382

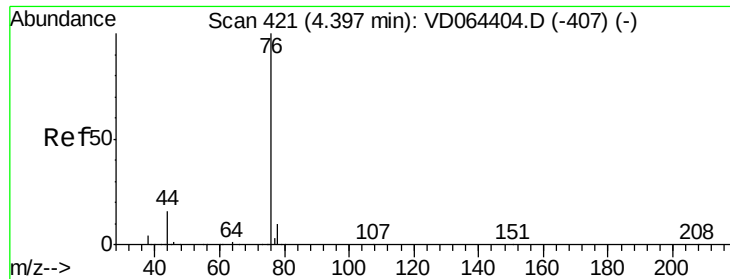
Delta R.T. -0.01 min

Lab File: VD064447.D

Acq: 05 Dec 2019 20:22

Tgt Ion:	43	Resp:	228803
Ion Ratio	Lower	Upper	
43	100		
58	30.5	22.6	33.8





#17

Carbon Disulfide

Concen: 47.981 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.00 min

Lab File: VD064447.D

Acq: 05 Dec 2019 20:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 673420

Ion Ratio Lower Upper

76 100

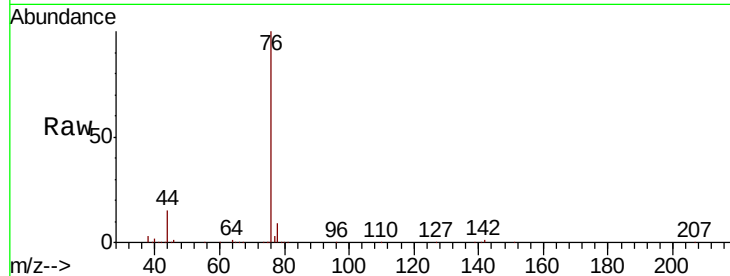
78 9.1 7.8 11.8

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

250000

200000

150000

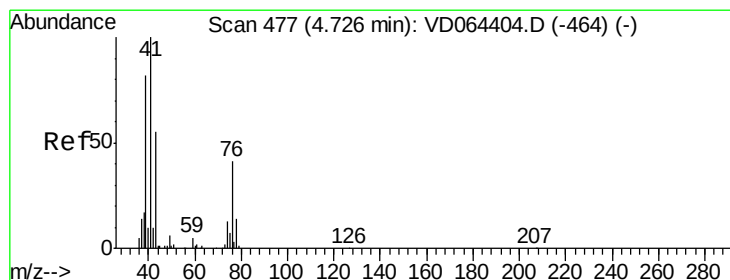
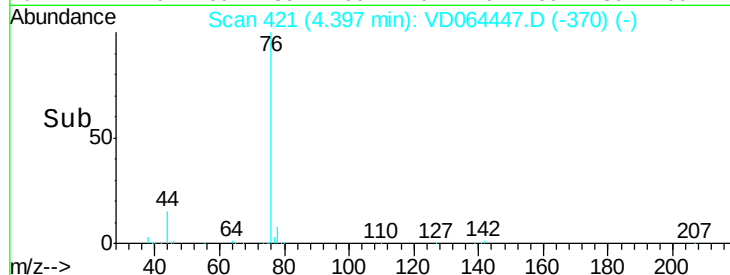
100000

50000

0

4.30 4.40 4.50

Time-->



#18

Methyl Acetate

Concen: 54.996 ug/l

RT: 4.73 min Scan# 477

Delta R.T. -0.00 min

Lab File: VD064447.D

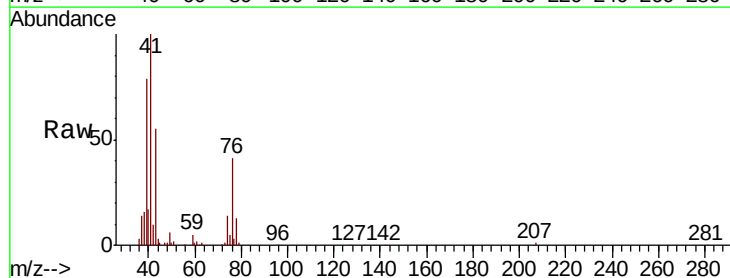
Acq: 05 Dec 2019 20:22

Tgt Ion: 43 Resp: 144264

Ion Ratio Lower Upper

43 100

74 24.3 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

50000

40000

30000

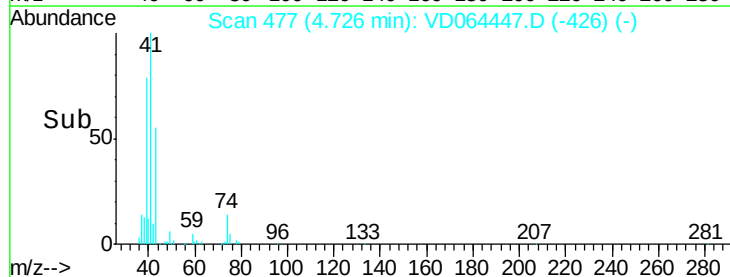
20000

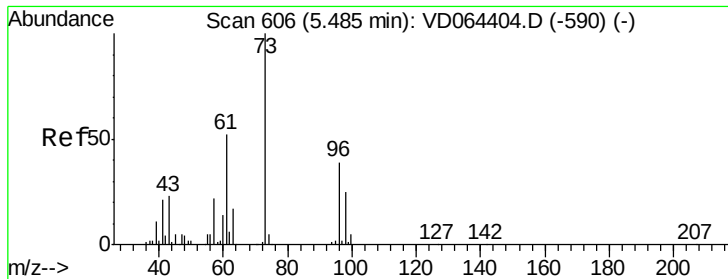
10000

0

4.60 4.70 4.80

Time-->





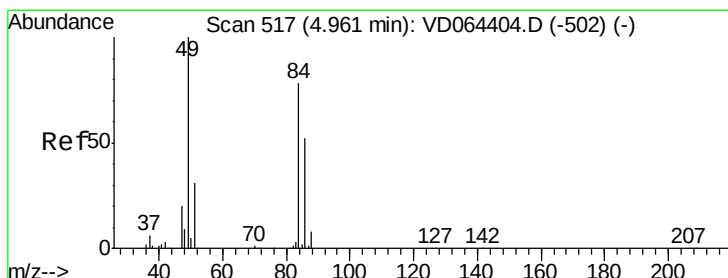
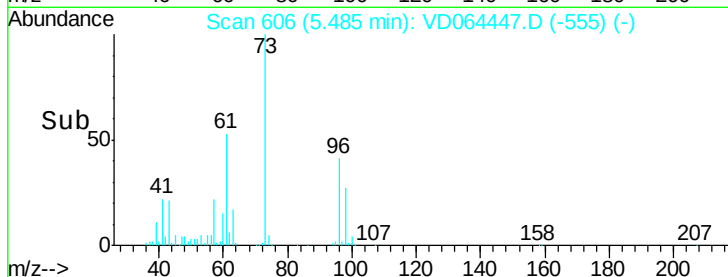
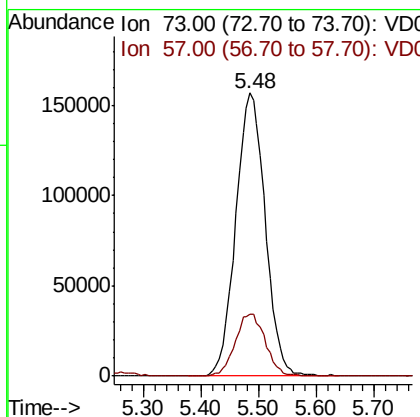
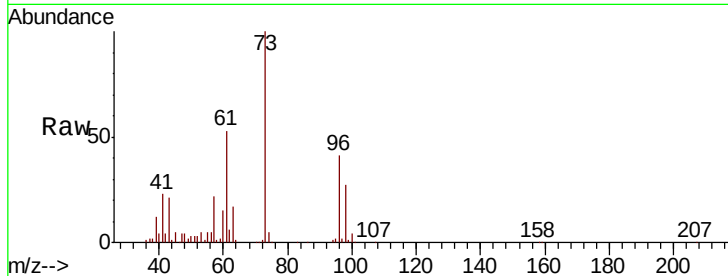
#19
Methyl tert-butyl Ether
Concen: 54.693 ug/l
RT: 5.48 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD064447.D
Acq: 05 Dec 2019 20:22

Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050EC

Tot Ion: 73 Resp: 555965
Ion Ratio Lower Upper
73 100
57 21.8 17.6 26.4

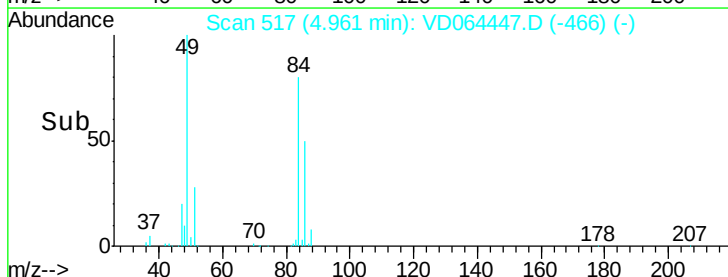
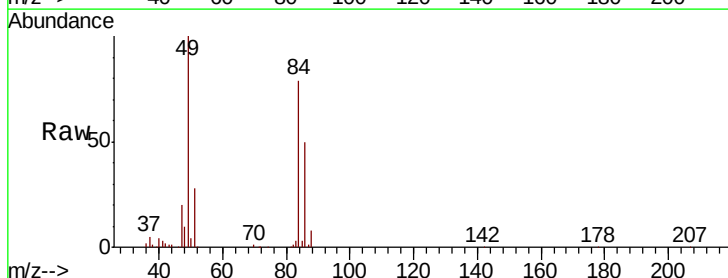
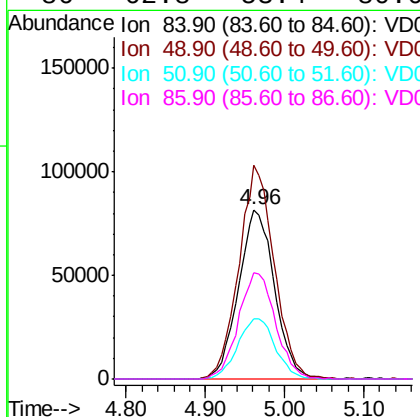
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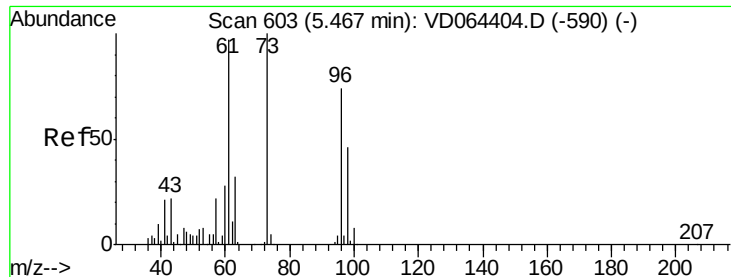
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#20
Methylene Chloride
Concen: 57.073 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064447.D
Acq: 05 Dec 2019 20:22

Tgt Ion: 84 Resp: 257909
Ion Ratio Lower Upper
84 100
49 126.3 102.6 153.8
51 35.7 32.0 48.0
86 62.8 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 49.765 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.00 min

Lab File: VD064447.D

Acq: 05 Dec 2019 20:22

Instrument :

MSVOA_D

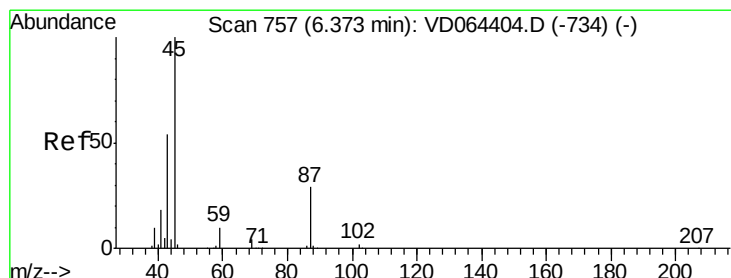
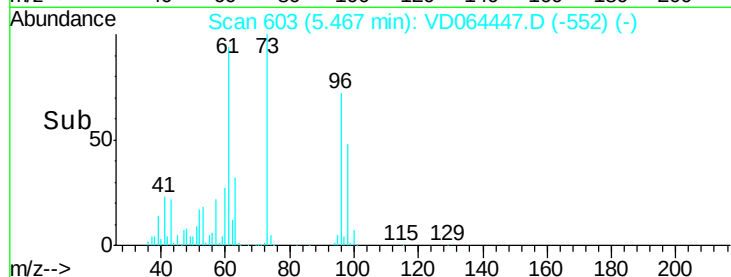
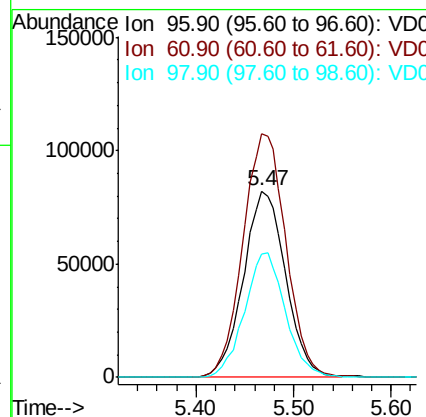
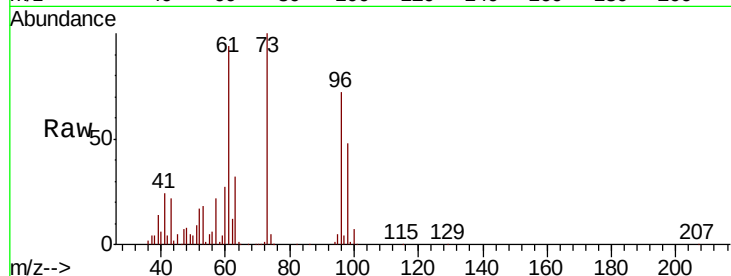
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	249457
Ion	Ratio	Lower	Upper
96	100		
61	130.7	105.8	158.6
98	66.4	50.1	75.1

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#22

Diisopropyl ether

Concen: 54.672 ug/l

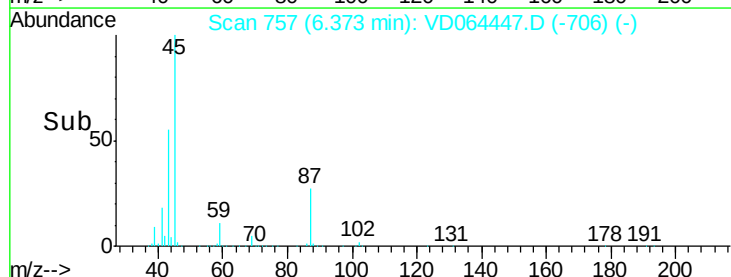
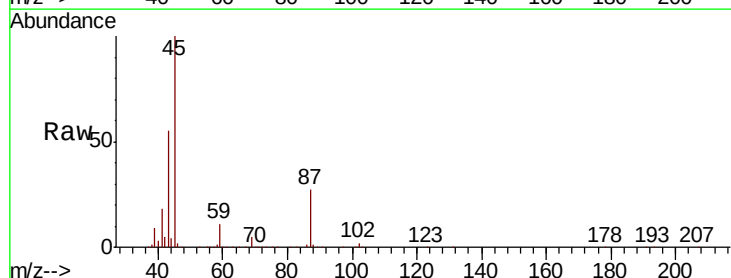
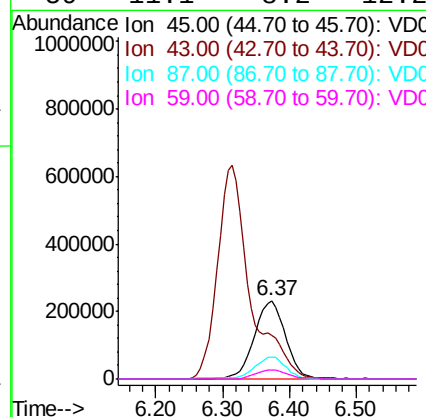
RT: 6.37 min Scan# 757

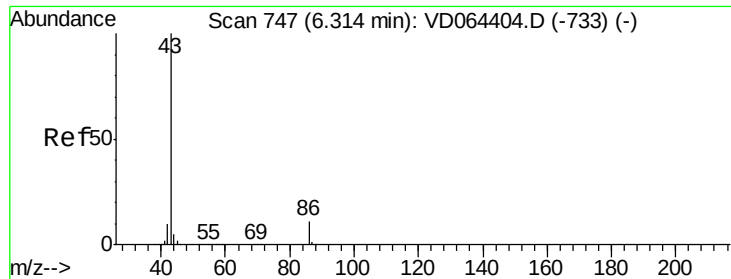
Delta R.T. -0.00 min

Lab File: VD064447.D

Acq: 05 Dec 2019 20:22

Tgt Ion:	45	Resp:	746433
Ion	Ratio	Lower	Upper
45	100		
43	54.2	43.1	64.7
87	26.8	23.5	35.3
59	11.1	8.2	12.2





#23

Vinyl Acetate

Concen: 269.968 ug/l

RT: 6.31 min Scan# 747

Delta R.T. -0.00 min

Lab File: VD064447.D

Acq: 05 Dec 2019 20:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2172928

Ion Ratio Lower Upper

43 100

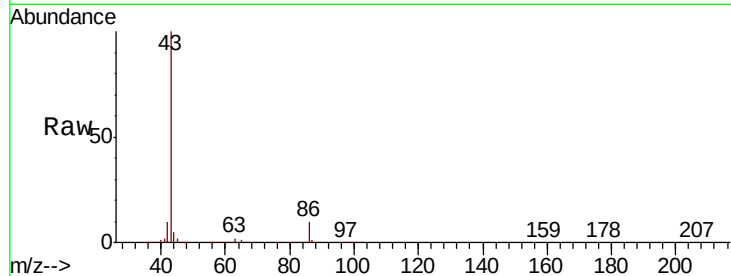
86 10.0 8.9 13.3

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

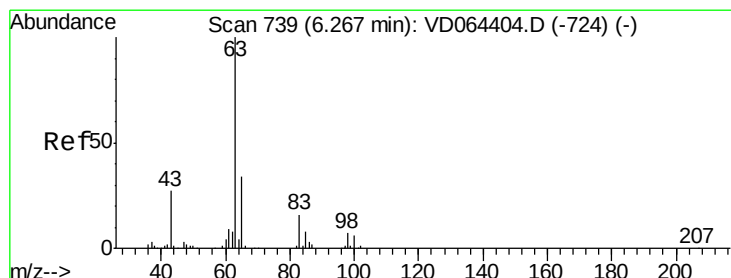
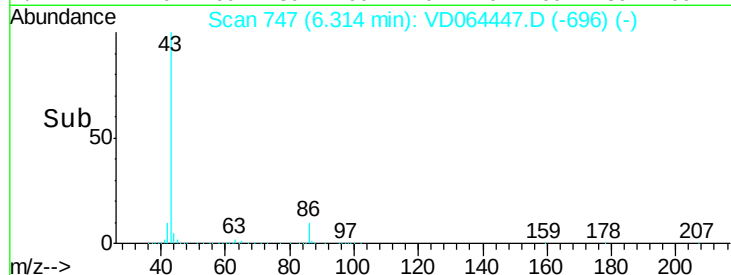
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 51.490 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD064447.D

Acq: 05 Dec 2019 20:22

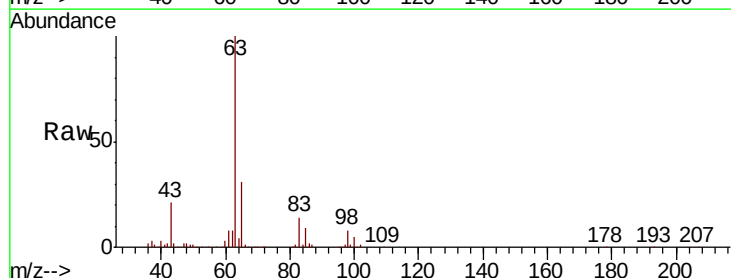
Tgt Ion: 63 Resp: 422763

Ion Ratio Lower Upper

63 100

98 7.6 3.6 10.9

100 4.9 2.9 8.6



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

6.27

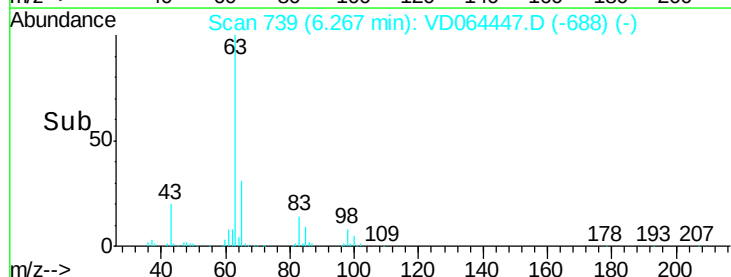
150000

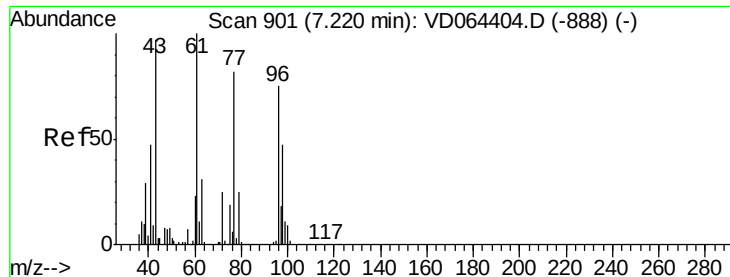
100000

50000

0

Time-->





#25

2-Butanone

Concen: 253.236 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.00 min

Lab File: VD064447.D

Acq: 05 Dec 2019 20:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 322060

Ion Ratio Lower Upper

43 100

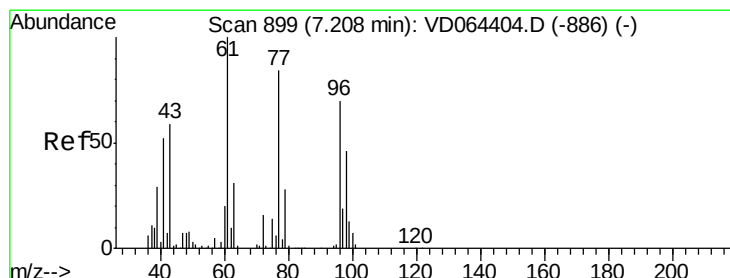
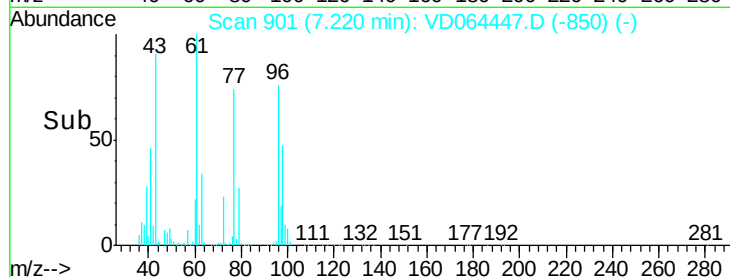
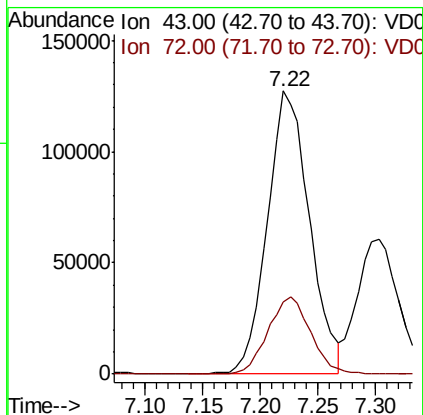
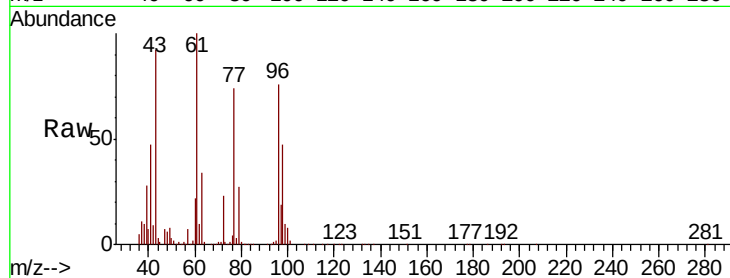
72 25.4 21.0 31.4

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#26

2,2-Dichloropropane

Concen: 49.454 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD064447.D

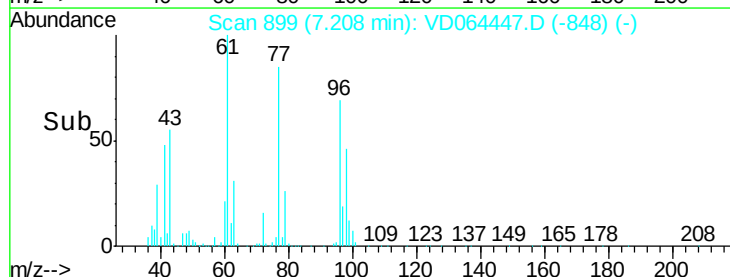
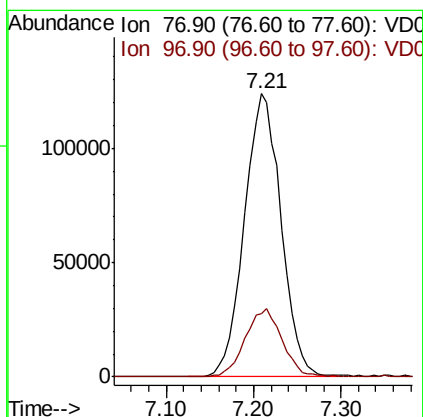
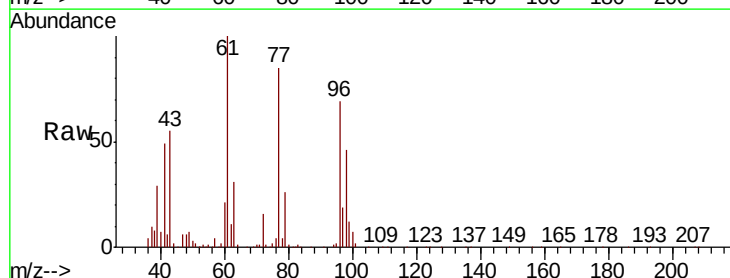
Acq: 05 Dec 2019 20:22

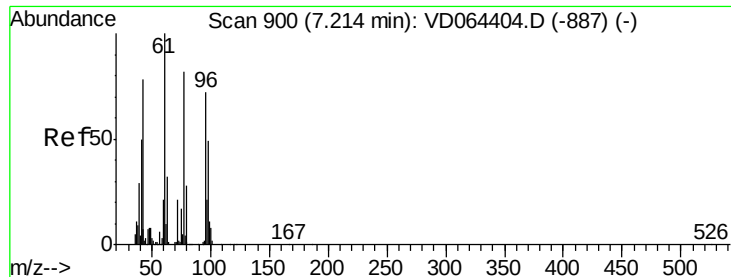
Tgt Ion: 77 Resp: 353125

Ion Ratio Lower Upper

77 100

97 24.0 11.6 34.7





#27

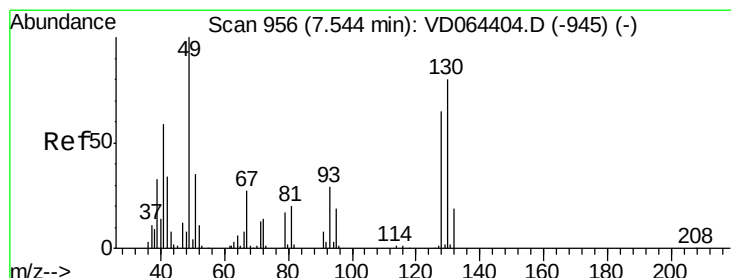
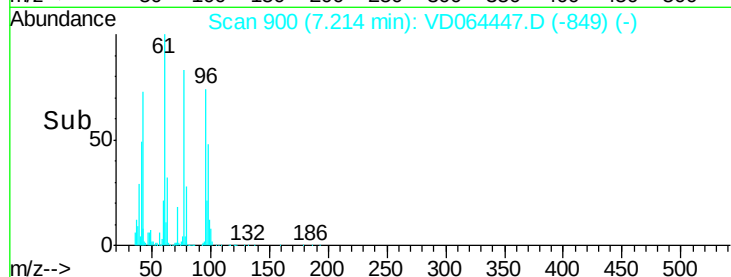
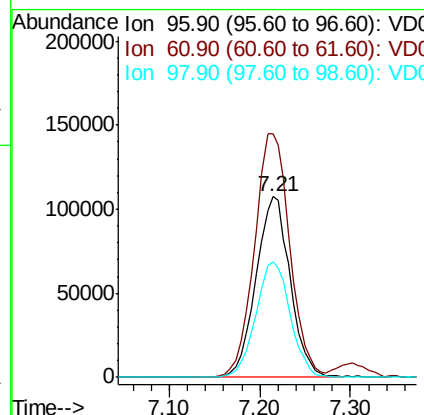
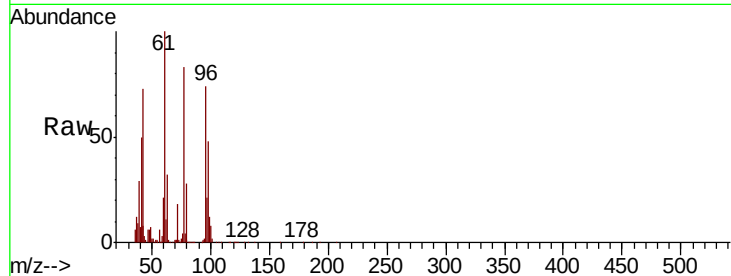
cis-1,2-Dichloroethene
Concen: 51.678 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.00 min
Lab File: VD064447.D
Acq: 05 Dec 2019 20:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.3	0.0	279.6
98	64.6	0.0	129.2

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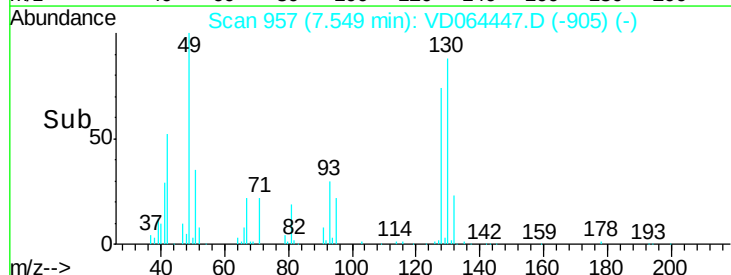
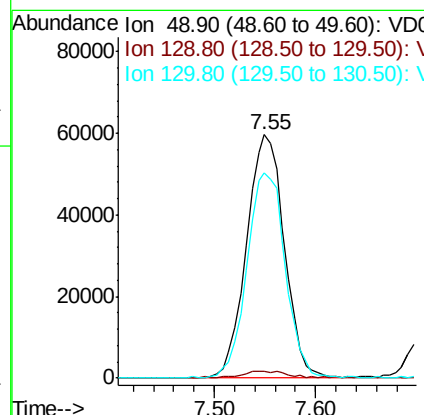
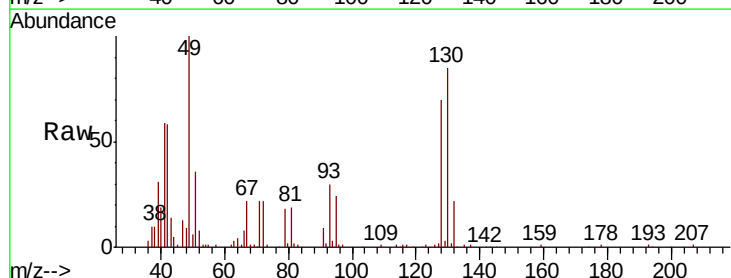
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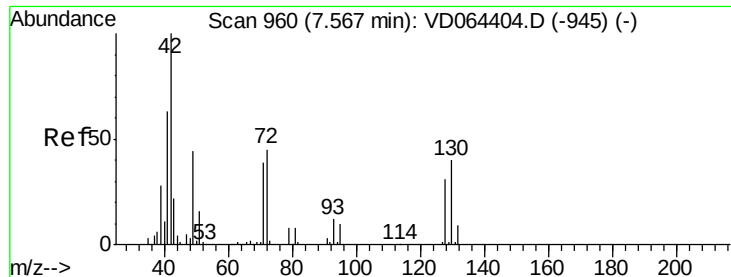


#28

Bromochloromethane
Concen: 54.952 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.01 min
Lab File: VD064447.D
Acq: 05 Dec 2019 20:22

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.3	0.0	4.4
130	85.5	67.4	101.0





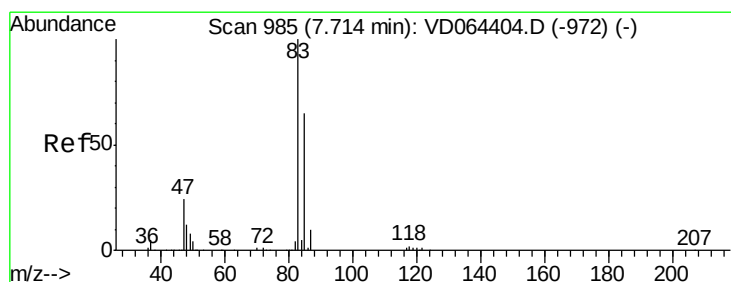
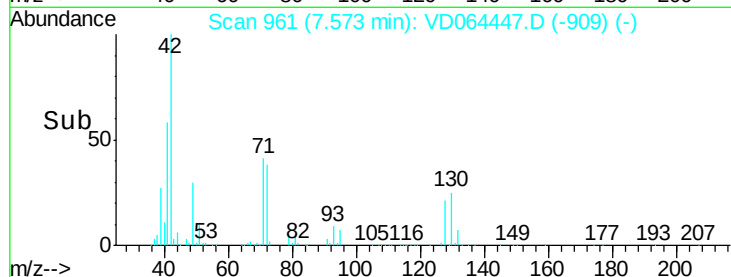
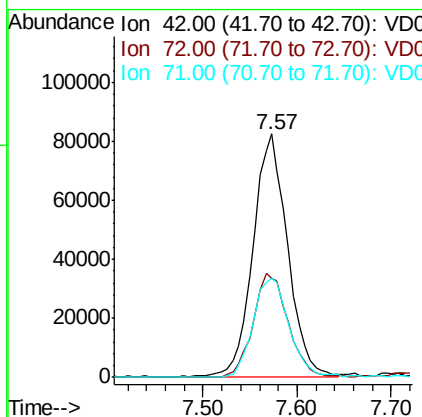
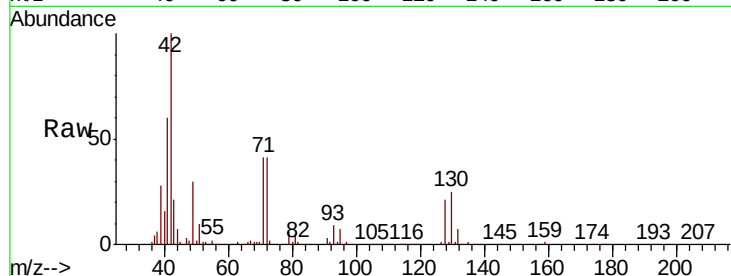
#29
Tetrahydrofuran
Concen: 256.813 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.01 min
Lab File: VD064447.D
Acq: 05 Dec 2019 20:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.9	35.8	53.8
71	43.3	32.7	49.1

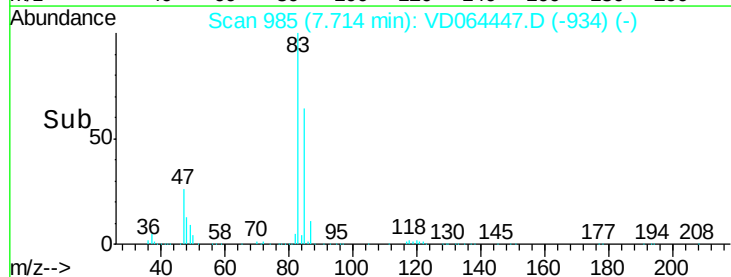
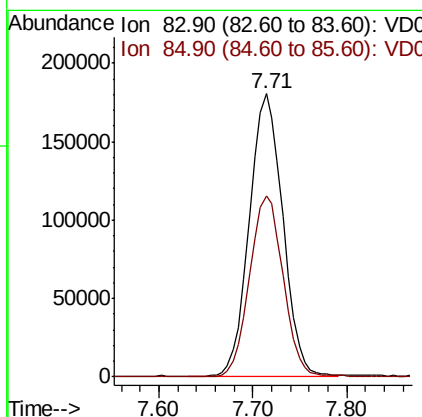
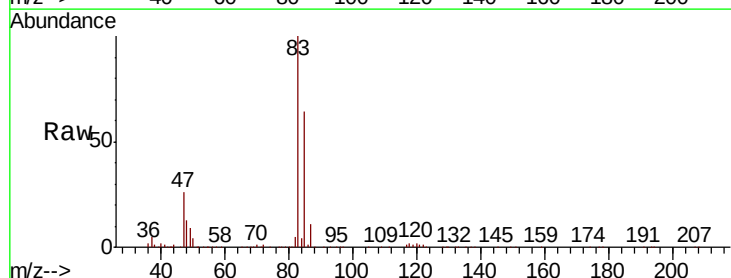
Manual Integrations
APPROVED

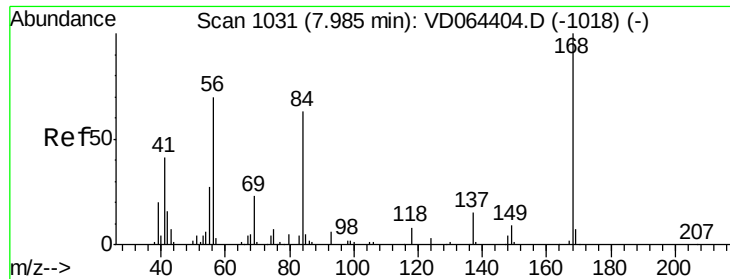
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#30
Chloroform
Concen: 52.413 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD064447.D
Acq: 05 Dec 2019 20:22

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.8	77.6





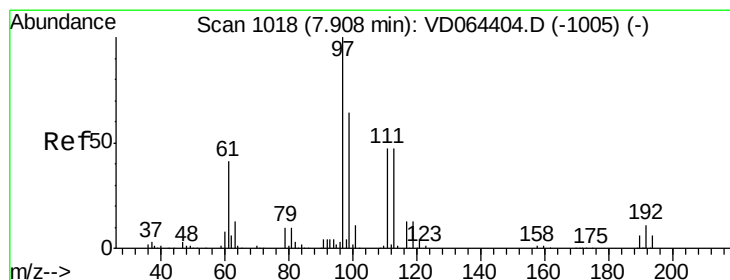
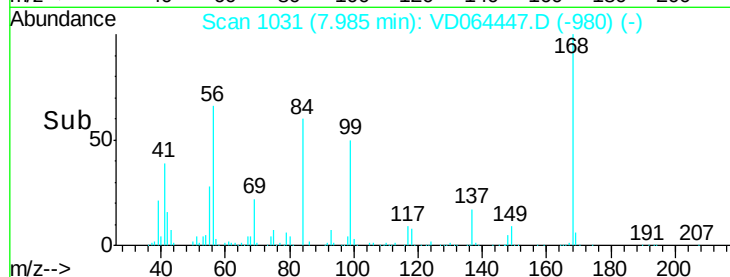
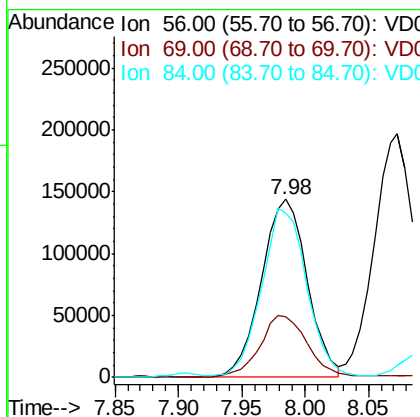
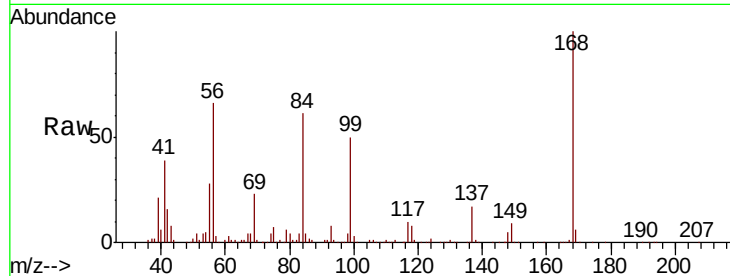
#31
Cyclohexane
Concen: 50.406 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064447.D
Acq: 05 Dec 2019 20:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.6	26.2	39.4
84	90.3	70.3	105.5

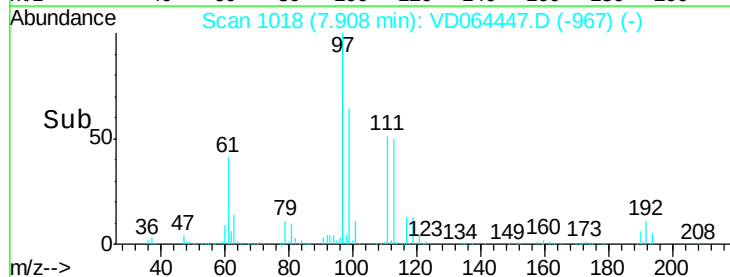
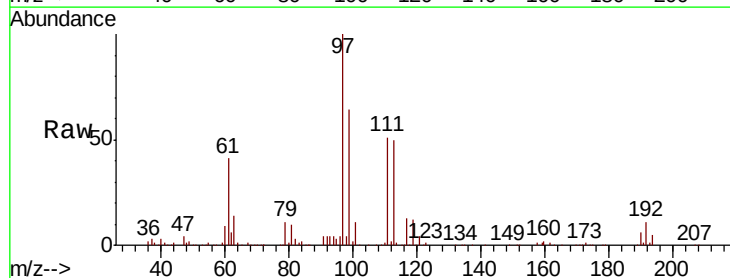
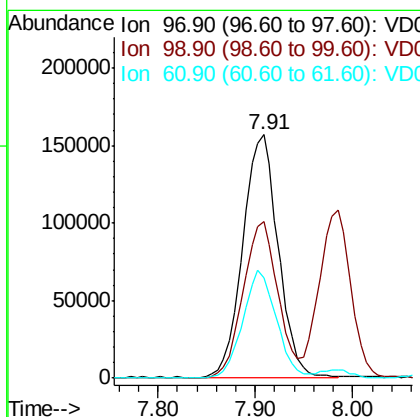
Manual Integrations
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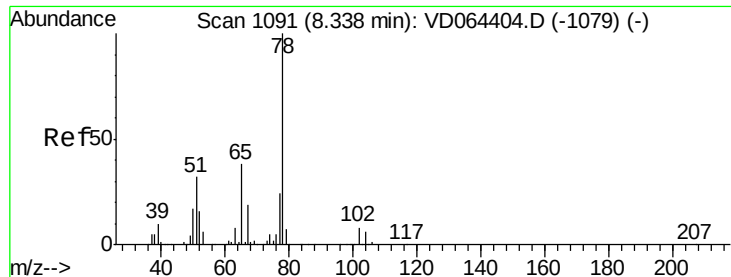
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#32
1,1,1-Trichloroethane
Concen: 50.641 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VD064447.D
Acq: 05 Dec 2019 20:22

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.2	51.4	77.2
61	42.1	35.0	52.4





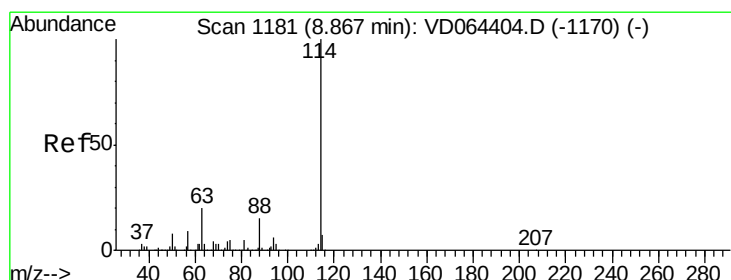
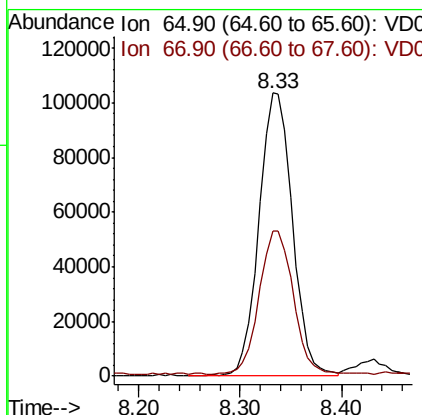
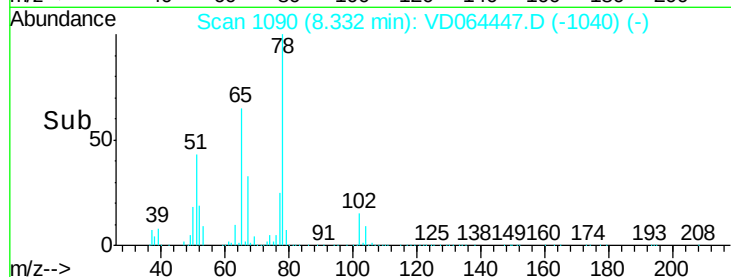
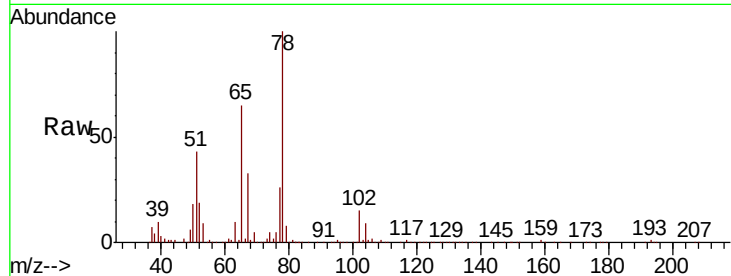
#33
 1,2-Dichloroethane-d4
 Concen: 53.034 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD064447.D
 Acq: 05 Dec 2019 20:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	236010		
67	51.9	0.0	102.0	

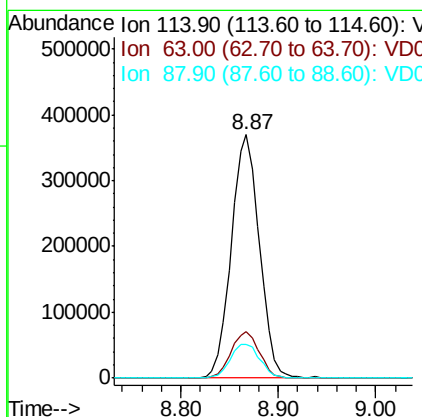
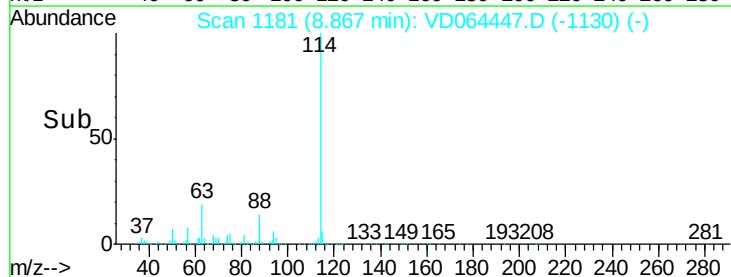
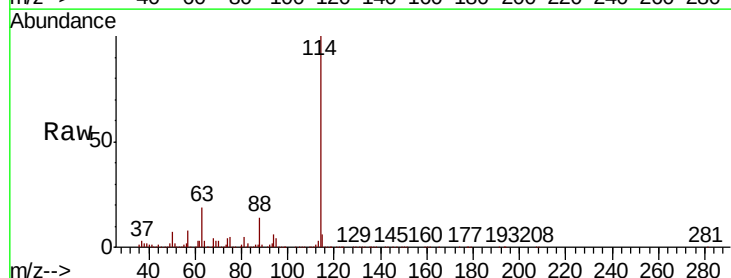
Manual Integrations
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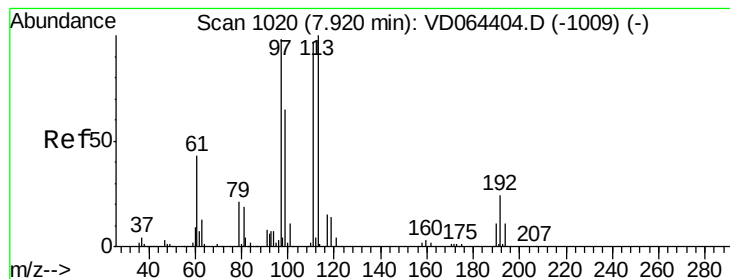
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064447.D
 Acq: 05 Dec 2019 20:22

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	740413		
63	18.9	0.0	40.0	
88	14.1	0.0	29.2	





#35

Dibromofluoromethane

Concen: 49.502 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD064447.D

Acq: 05 Dec 2019 20:22

Instrument :

MSVOA_D

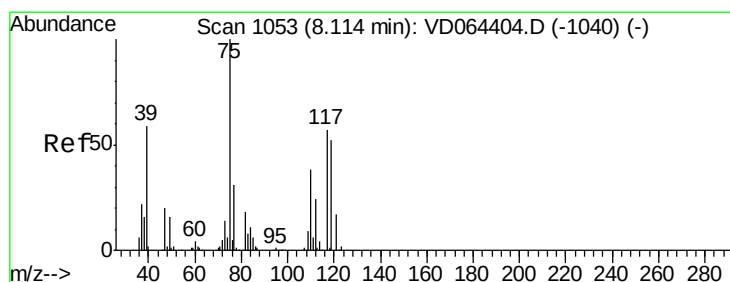
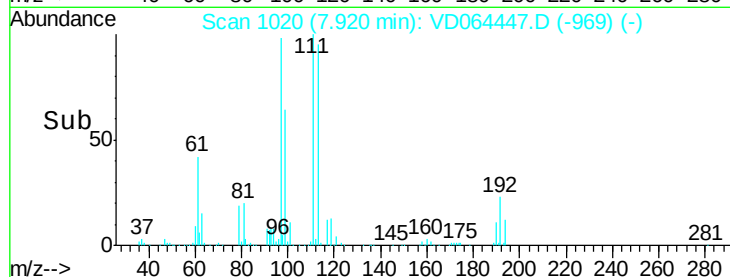
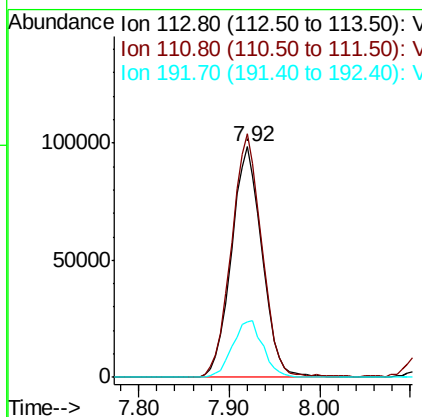
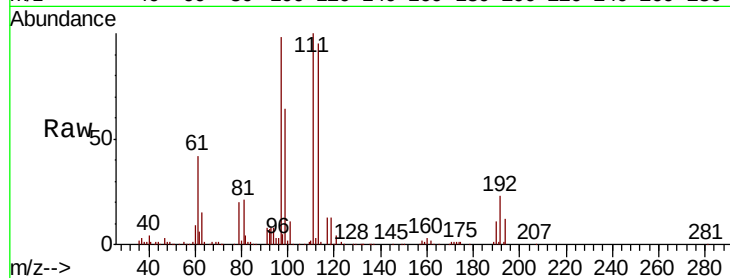
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	230927
Ion Ratio	Lower	Upper	
113	100		
111	104.8	79.4	119.2
192	24.5	18.6	28.0

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 46.940 ug/l

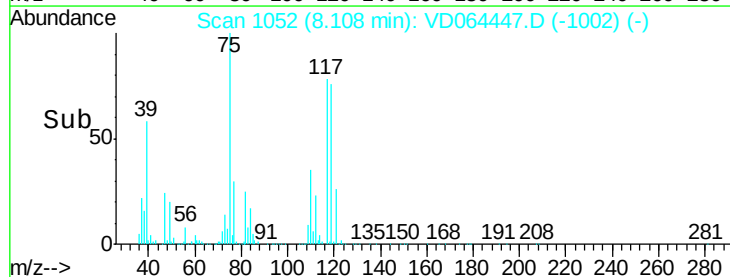
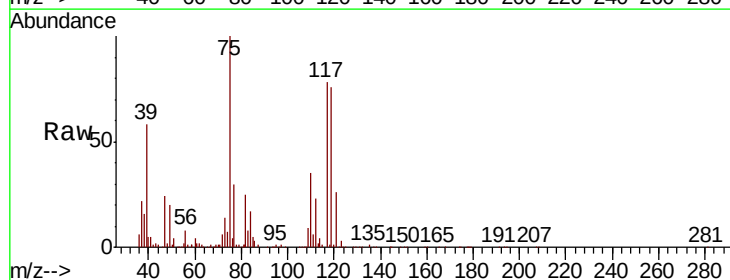
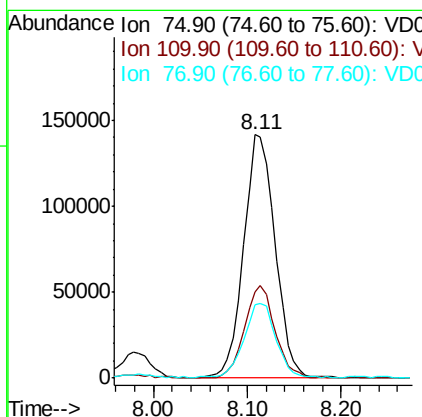
RT: 8.11 min Scan# 1052

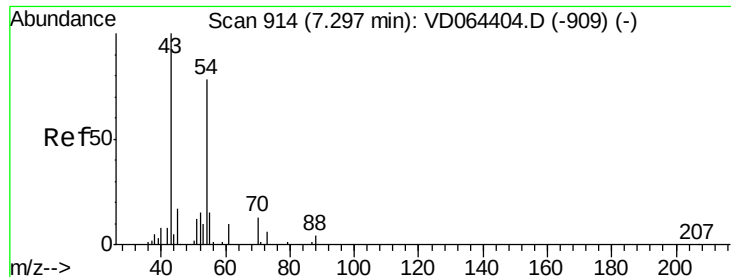
Delta R.T. -0.01 min

Lab File: VD064447.D

Acq: 05 Dec 2019 20:22

Tgt Ion:	75	Resp:	328737
Ion Ratio	Lower	Upper	
75	100		
110	36.3	18.6	55.8
77	30.5	25.0	37.4





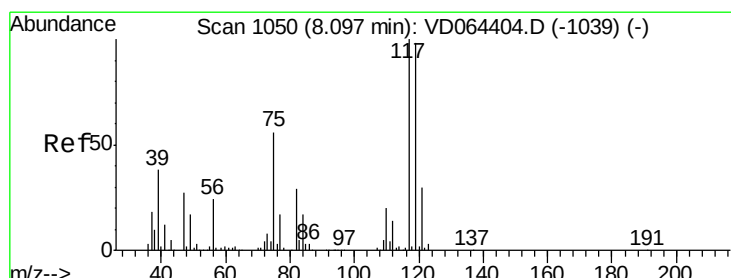
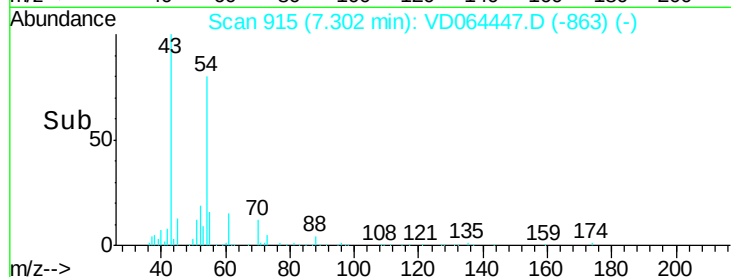
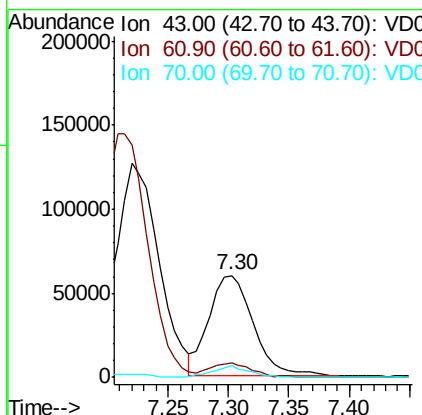
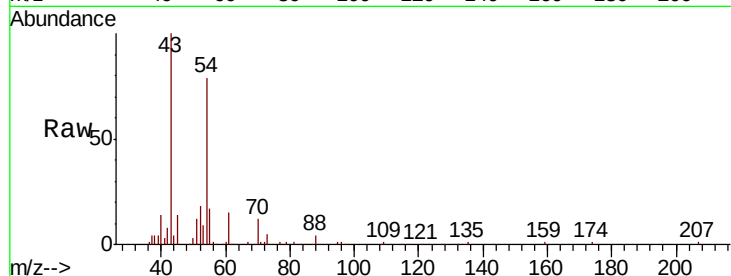
#37
Ethyl Acetate
Concen: 51.455 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD064447.D
Acq: 05 Dec 2019 20:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	152906
Ion Ratio	Lower	Upper	
43	100		
61	13.2	10.9	16.3
70	10.1	8.3	12.5

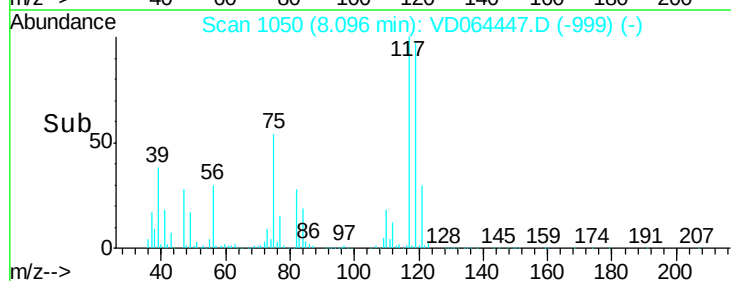
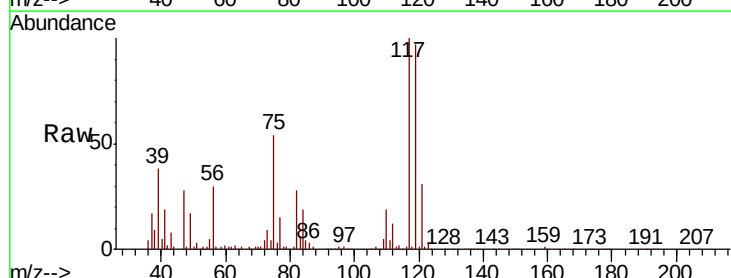
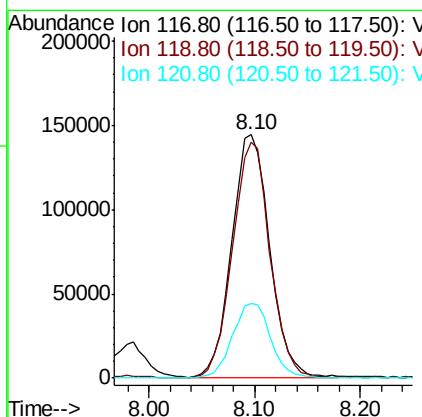
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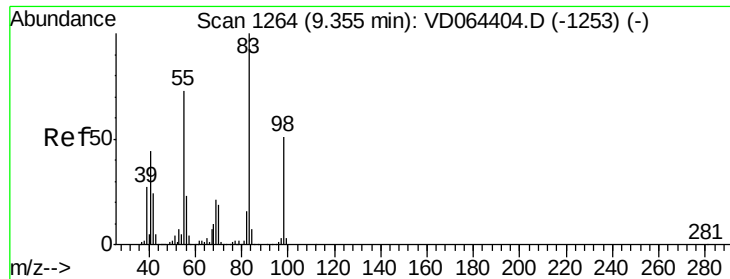
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#38
Carbon Tetrachloride
Concen: 48.457 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD064447.D
Acq: 05 Dec 2019 20:22

Tgt Ion	117	Resp	358165
Ion Ratio	Lower	Upper	
117	100		
119	96.7	78.8	118.2
121	30.6	24.2	36.2





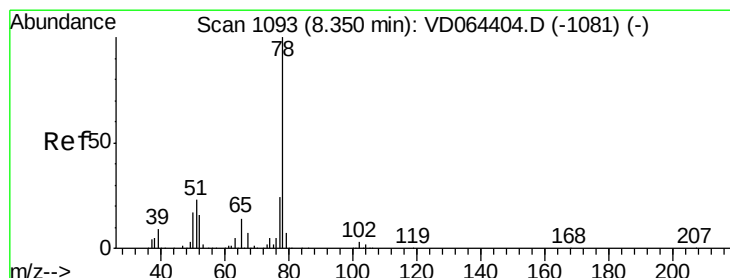
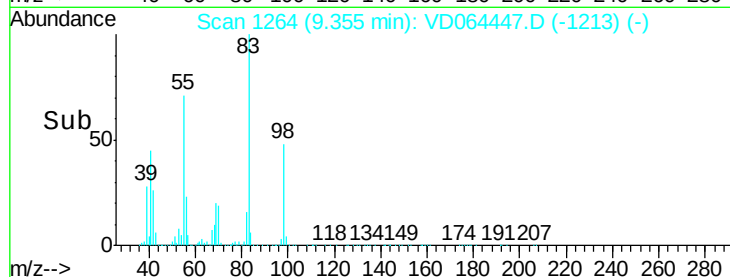
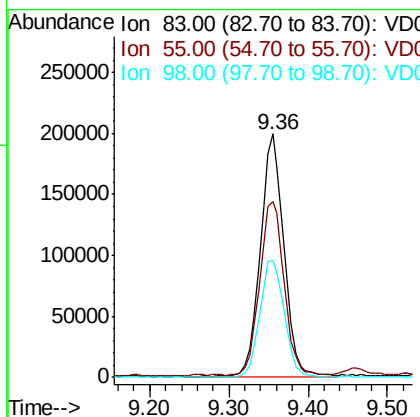
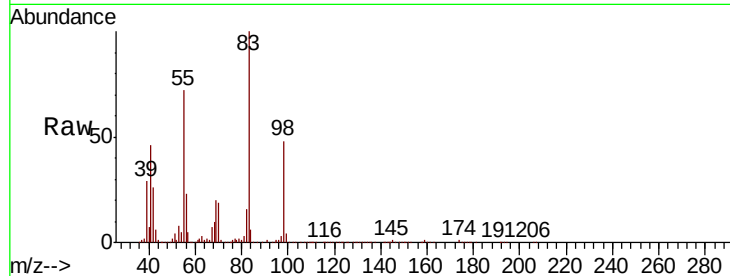
#39
Methylvlcyclohexane
Concen: 47.307 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD064447.D
Acq: 05 Dec 2019 20:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.5	58.6	87.8
98	48.4	40.9	61.3

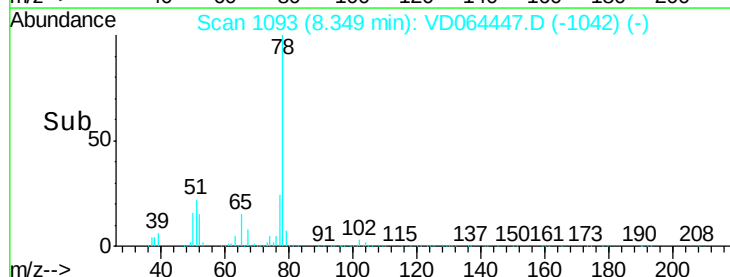
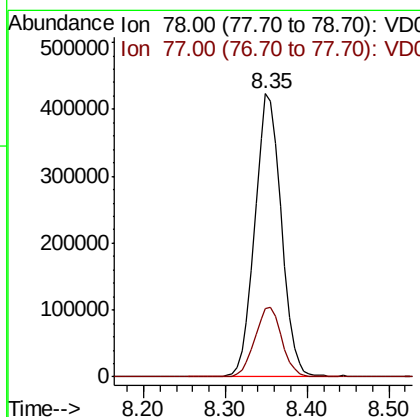
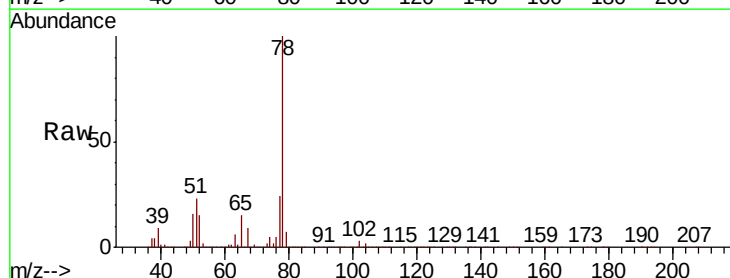
Manual Integrations
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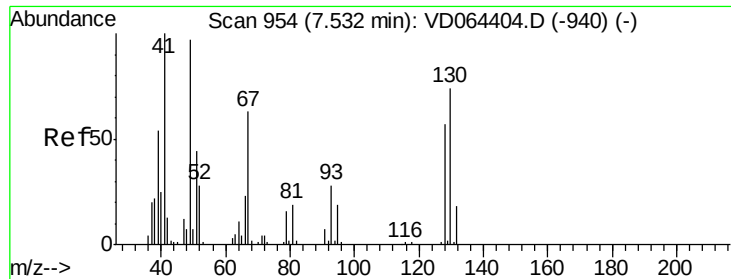
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#40
Benzene
Concen: 48.988 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD064447.D
Acq: 05 Dec 2019 20:22

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.6	29.4





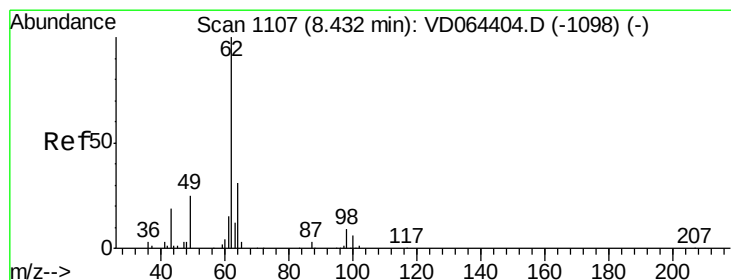
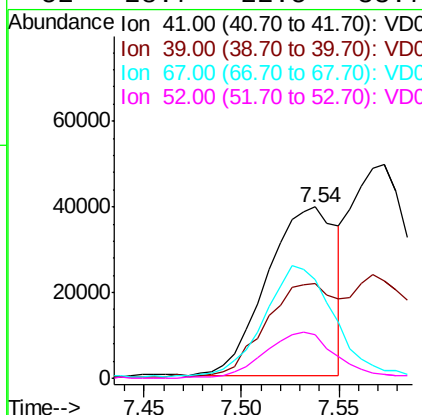
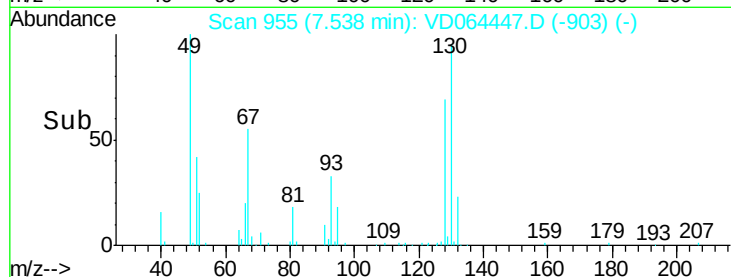
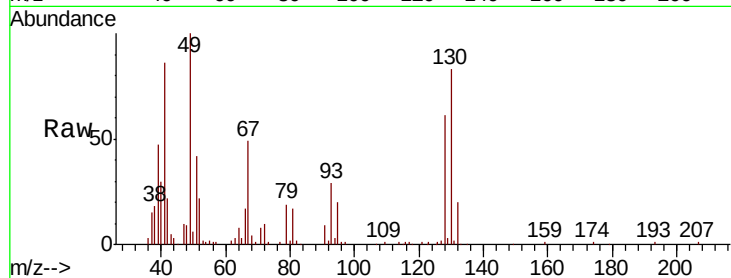
#41
Methacrylonitrile
Concen: 56.941 ug/l
RT: 7.54 min Scan# 955
Delta R.T. 0.01 min
Lab File: VD064447.D
Acq: 05 Dec 2019 20:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.2	44.6	67.0	
67	66.1	50.9	76.3	
52	28.7	22.5	33.7	

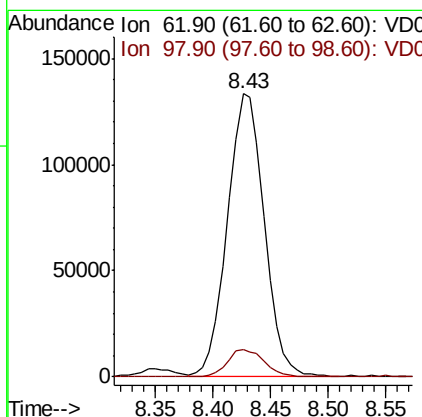
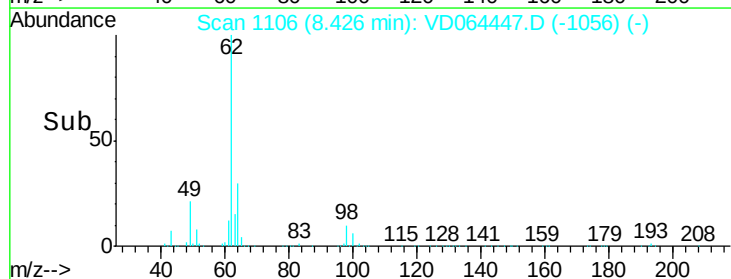
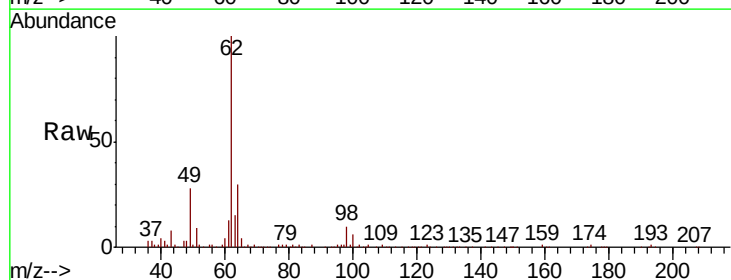
Manual Integrations
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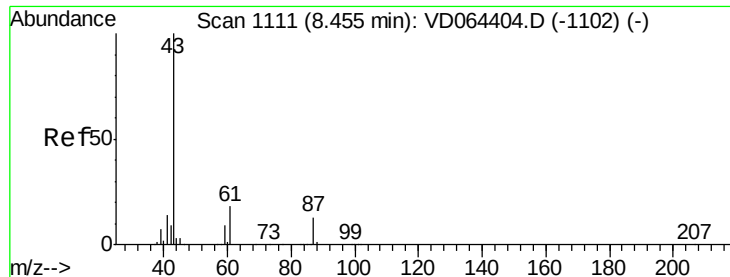
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#42
1,2-Dichloroethane
Concen: 51.828 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD064447.D
Acq: 05 Dec 2019 20:22

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.9	0.0	20.6	





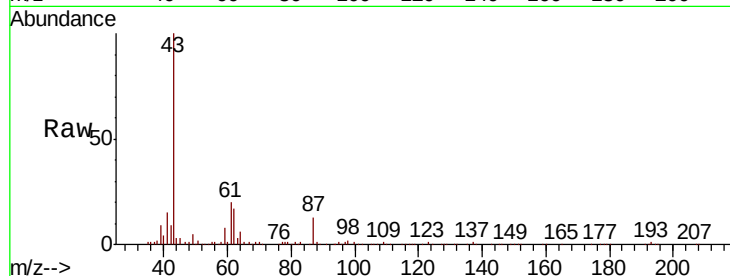
#43
Isopropyl Acetate
Concen: 52.255 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD064447.D
Acq: 05 Dec 2019 20:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

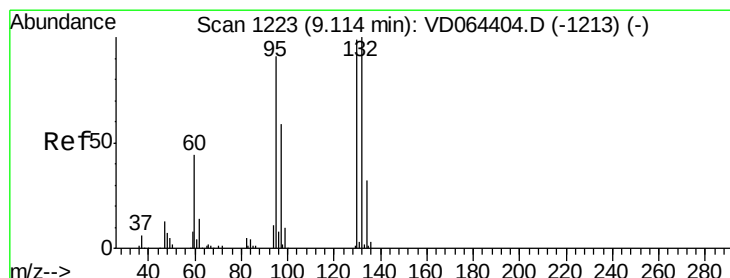
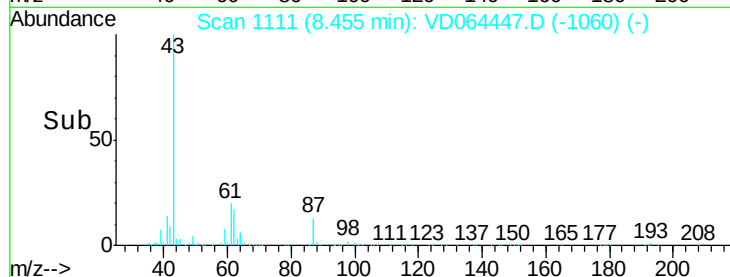
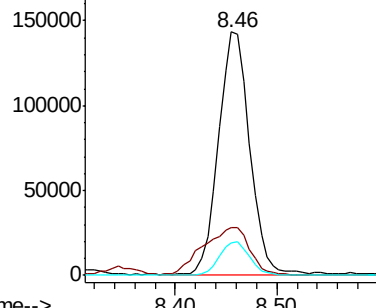
Tot Ion	Ratio	Lower	Upper
43	100		
61	29.3	24.0	36.0
87	13.6	10.6	15.8

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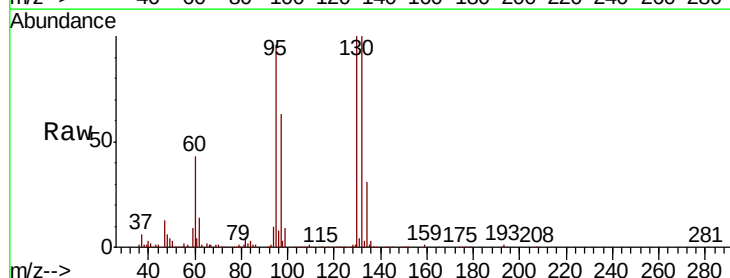


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 61.00 (60.70 to 61.70): VDC
Ion 87.00 (86.70 to 87.70): VDC

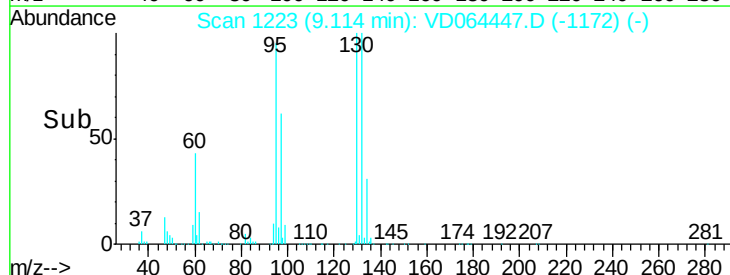
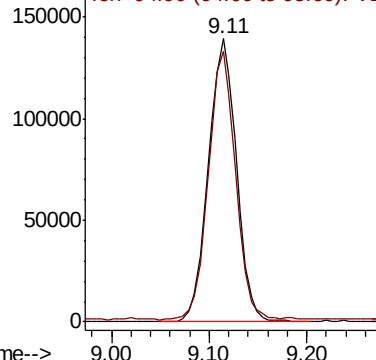


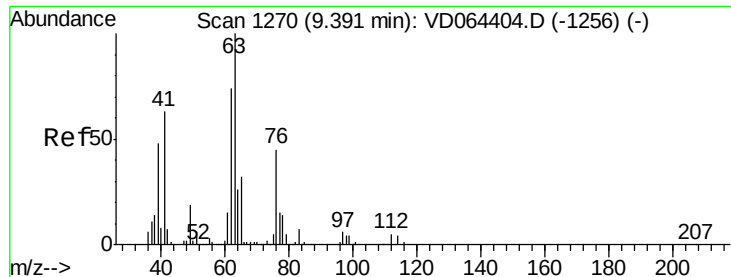
#44
Trichloroethene
Concen: 47.820 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. -0.00 min
Lab File: VD064447.D
Acq: 05 Dec 2019 20:22

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.0	0.0	184.6



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC





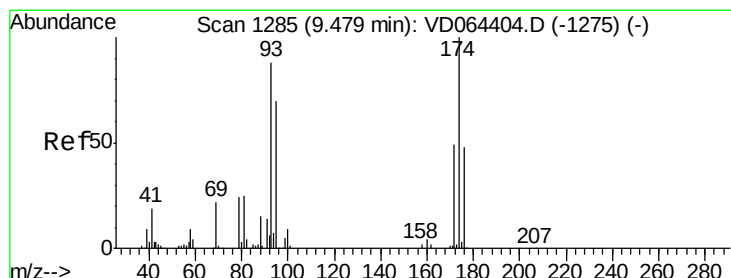
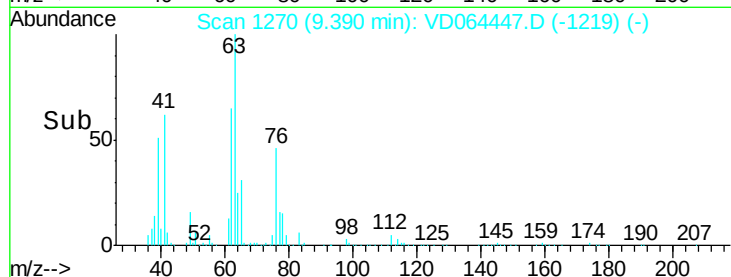
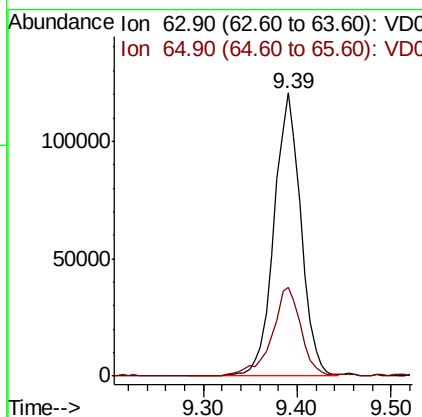
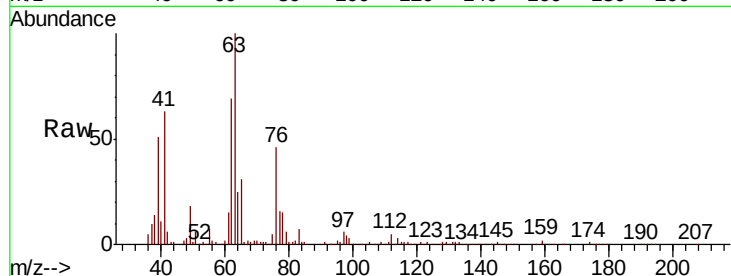
#45
 1,2-Dichloropropane
 Concen: 51.174 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD064447.D
 Acq: 05 Dec 2019 20:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
63	100	238055		
65	30.9		25.4	38.0

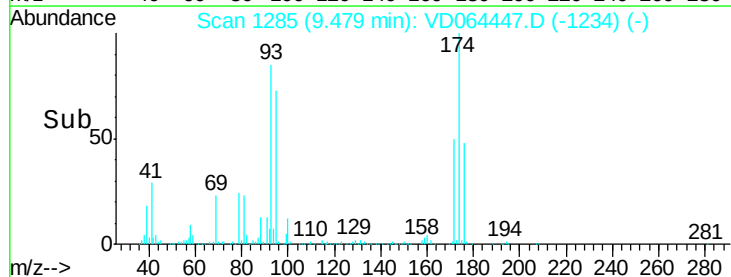
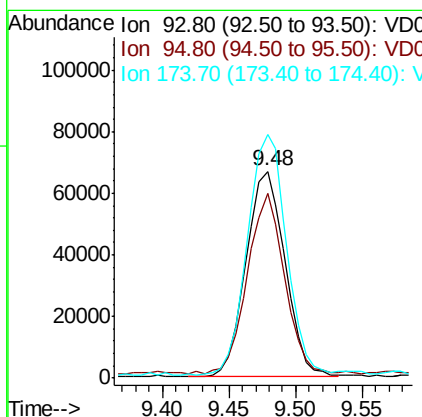
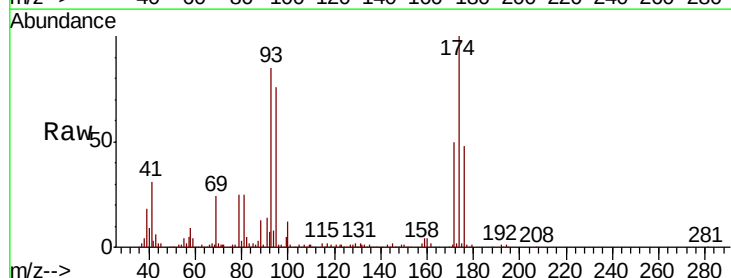
Manual Integrations
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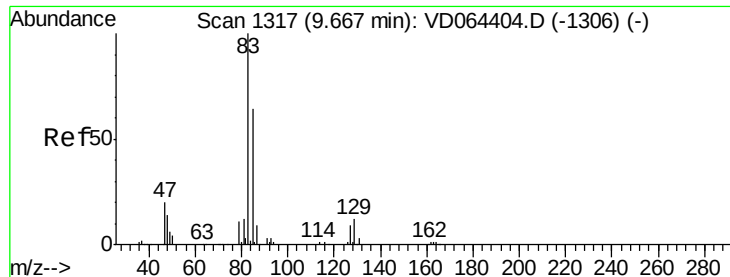
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#46
 Dibromomethane
 Concen: 51.002 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD064447.D
 Acq: 05 Dec 2019 20:22

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	133906		
95	85.5		66.7	100.1
174	119.2		92.3	138.5





#47

Bromodichloromethane

Concen: 52.708 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD064447.D

Acq: 05 Dec 2019 20:22

Instrument :

MSVOA_D

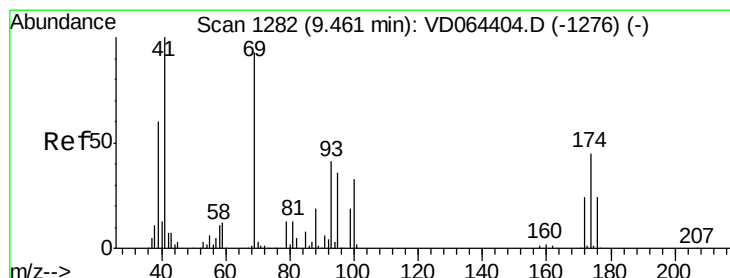
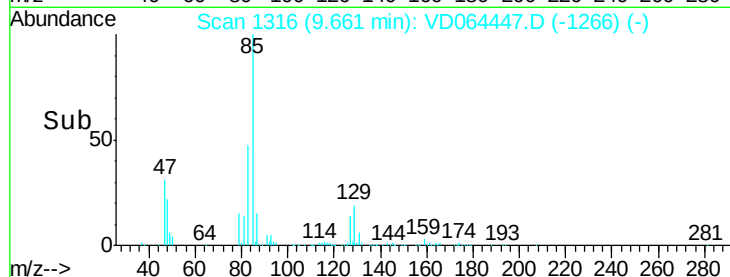
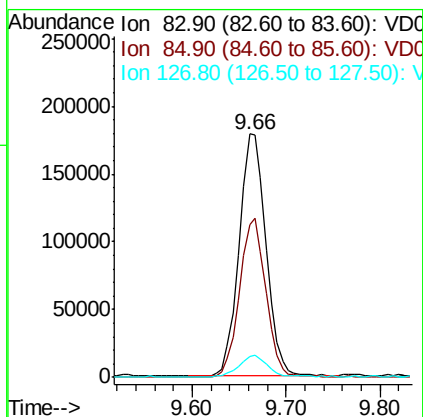
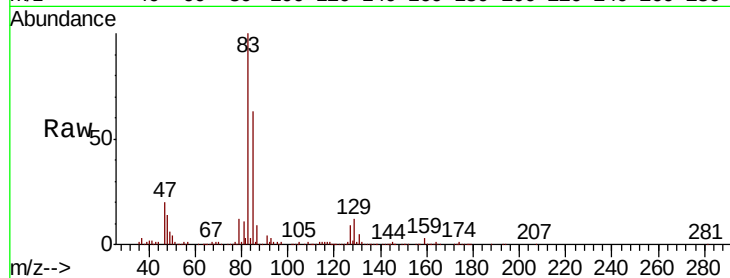
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	355575
Ion	Ratio	Lower	Upper
83	100		
85	62.9	51.1	76.7
127	8.7	7.4	11.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 52.330 ug/l

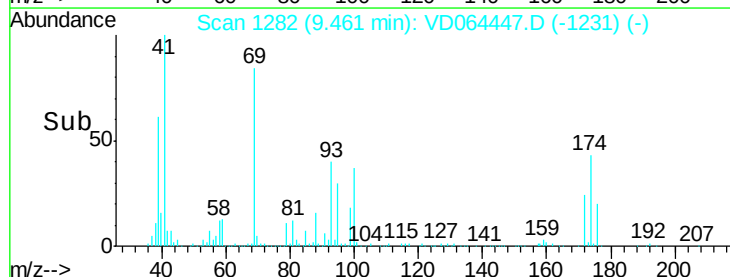
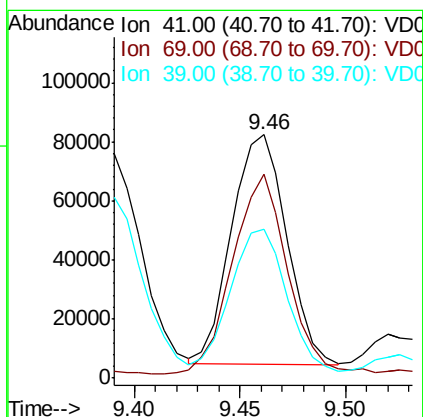
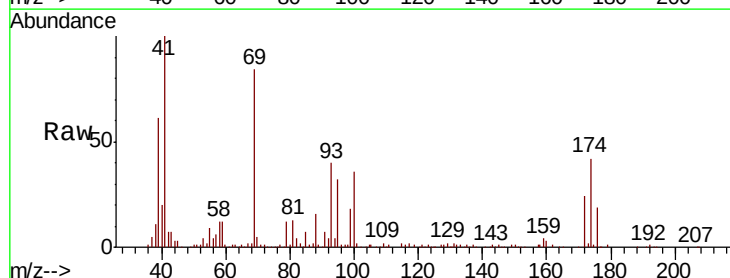
RT: 9.46 min Scan# 1282

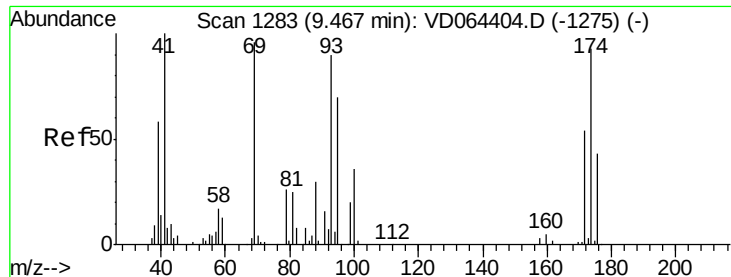
Delta R.T. -0.00 min

Lab File: VD064447.D

Acq: 05 Dec 2019 20:22

Tgt Ion:	41	Resp:	139912
Ion	Ratio	Lower	Upper
41	100		
69	87.0	72.0	108.0
39	67.7	55.2	82.8





#49

1,4-Dioxane

Concen: 1009.770 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VD064447.D

Acq: 05 Dec 2019 20:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 88 Resp: 32738

Ion Ratio Lower Upper

88 100

43 32.5 26.7 40.1

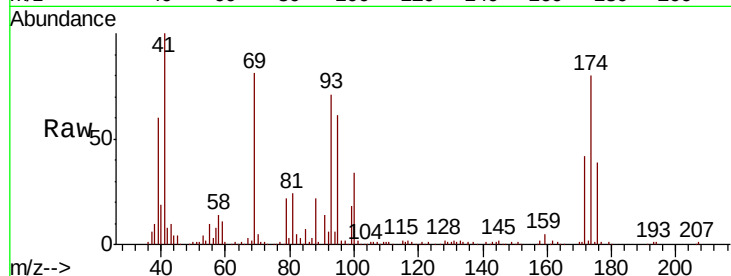
58 70.7 52.3 78.5

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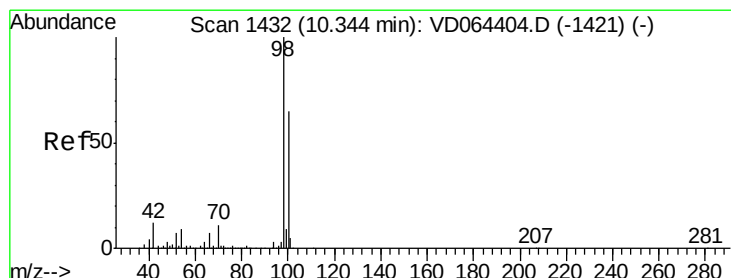
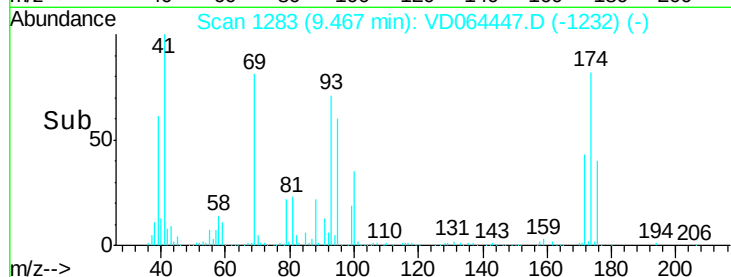
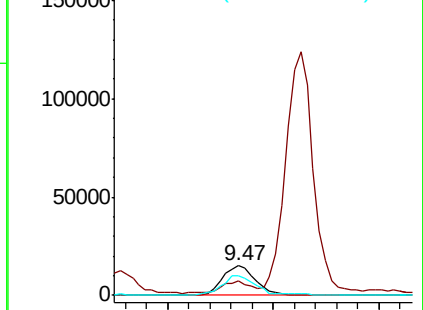
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Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#50

Toluene-d8

Concen: 50.175 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.01 min

Lab File: VD064447.D

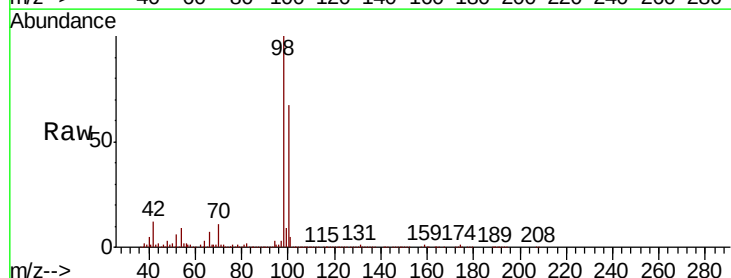
Acq: 05 Dec 2019 20:22

Tgt Ion: 98 Resp: 881695

Ion Ratio Lower Upper

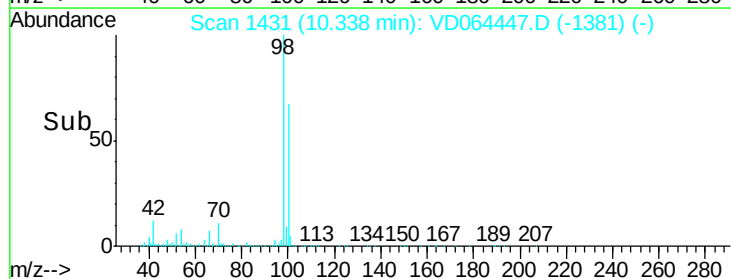
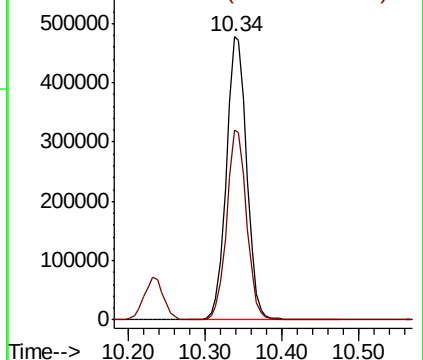
98 100

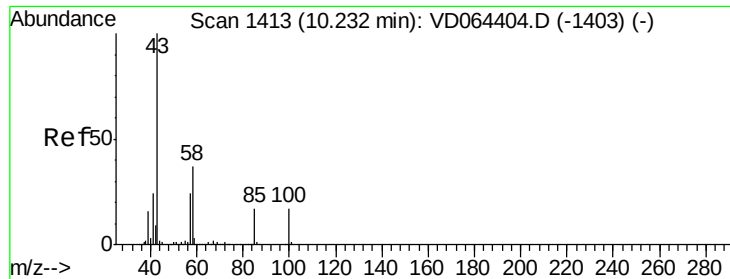
100 65.4 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC





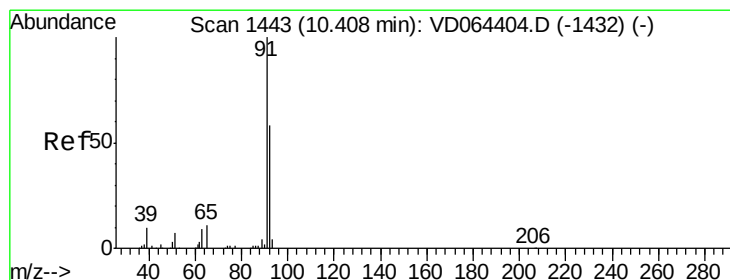
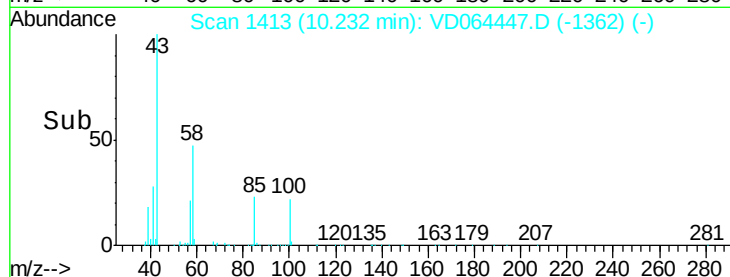
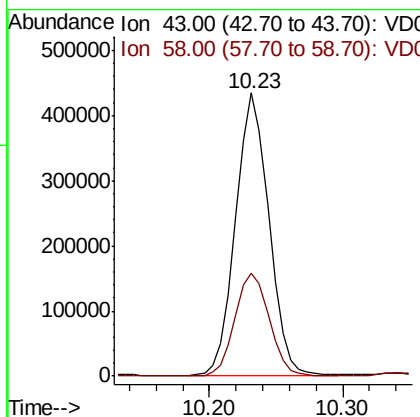
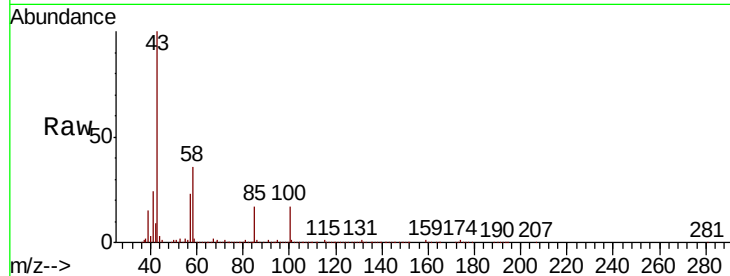
#51
4-Methyl-2-Pentanone
Concen: 259.904 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.00 min
Lab File: VD064447.D
Acq: 05 Dec 2019 20:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	37.8	30.6	46.0

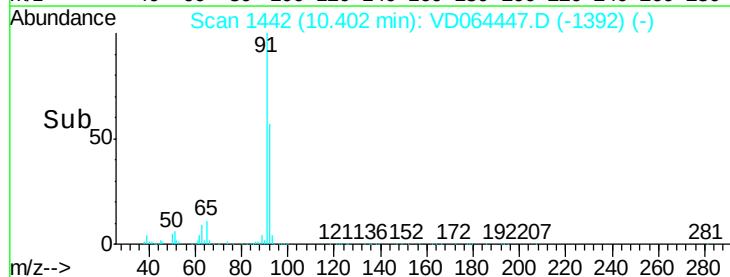
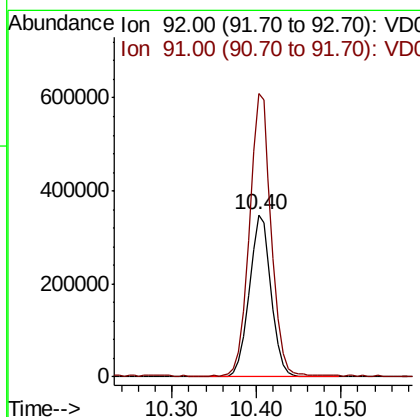
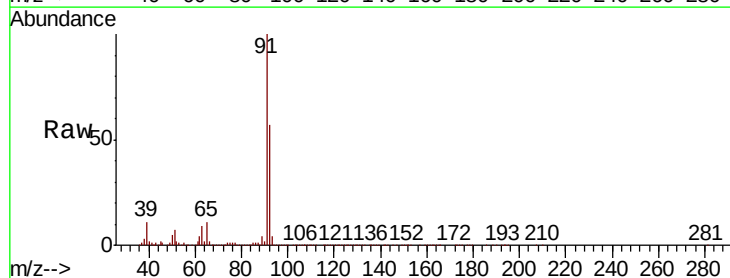
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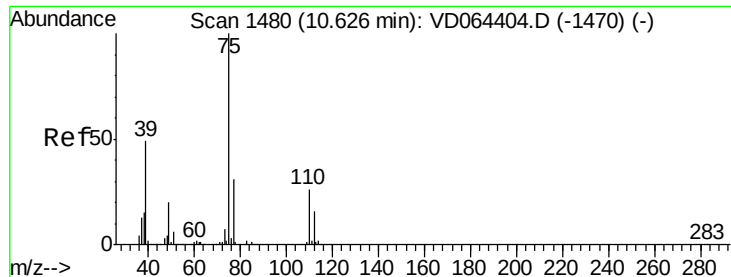
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#52
Toluene
Concen: 49.434 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. -0.01 min
Lab File: VD064447.D
Acq: 05 Dec 2019 20:22

Tgt Ion	Ratio	Lower	Upper
92	100		
91	173.0	137.8	206.6





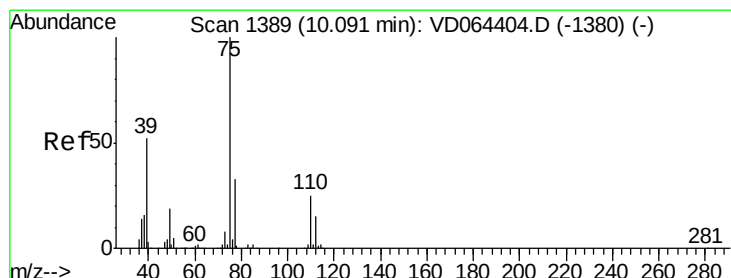
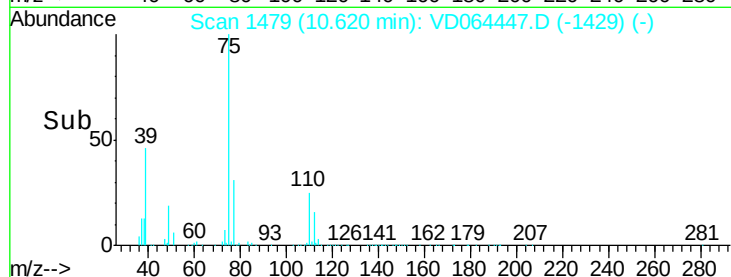
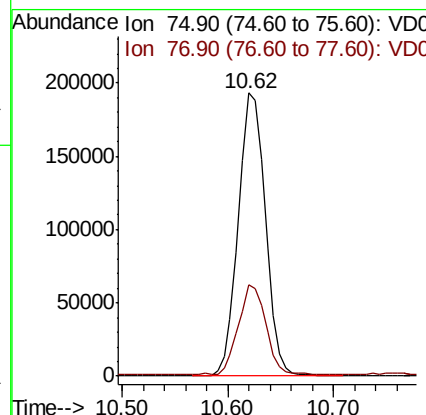
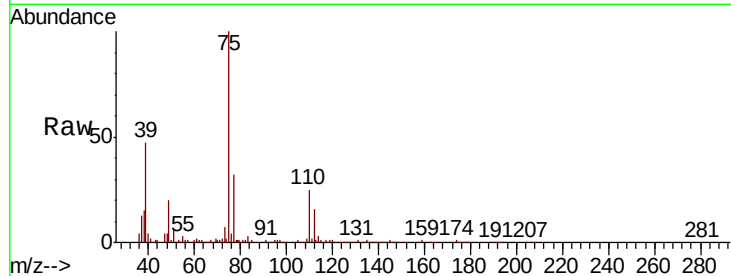
#53
t-1,3-Dichloropropene
Concen: 53.527 ug/l
RT: 10.62 min Scan# 1479
Delta R.T. -0.01 min
Lab File: VD064447.D
Acq: 05 Dec 2019 20:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 344142
Ion Ratio Lower Upper
75 100
77 31.6 25.0 37.4

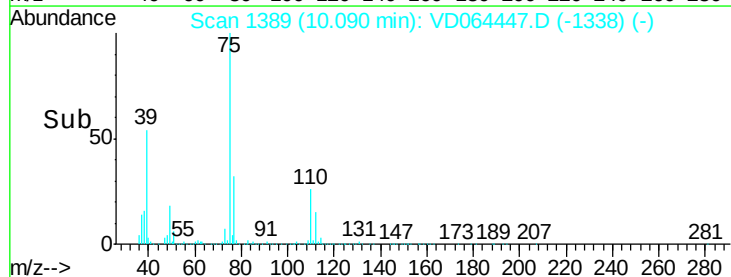
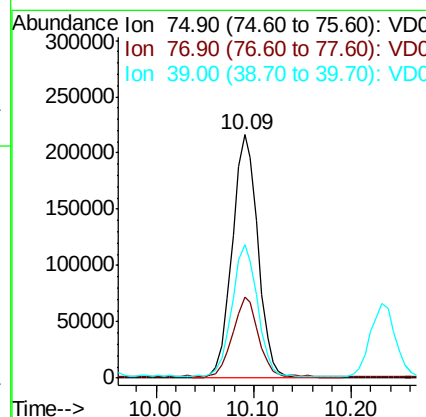
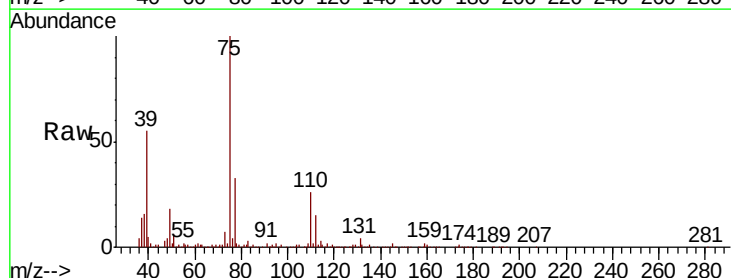
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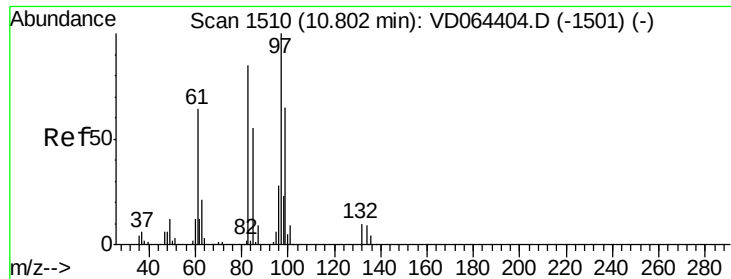
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#54
cis-1,3-Dichloropropene
Concen: 51.818 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VD064447.D
Acq: 05 Dec 2019 20:22

Tgt Ion: 75 Resp: 395776
Ion Ratio Lower Upper
75 100
77 32.5 26.1 39.1
39 53.9 41.5 62.3





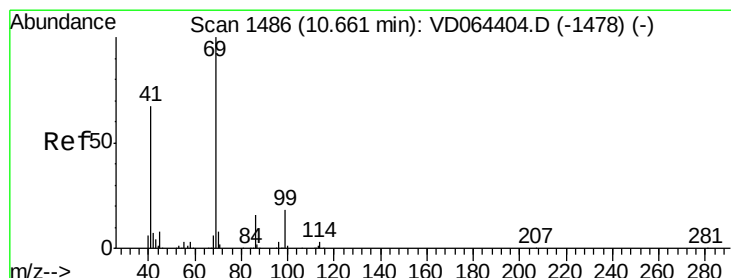
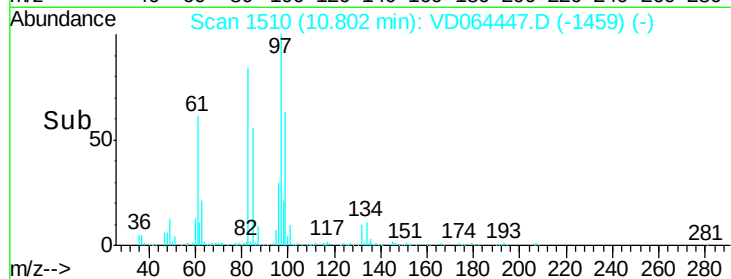
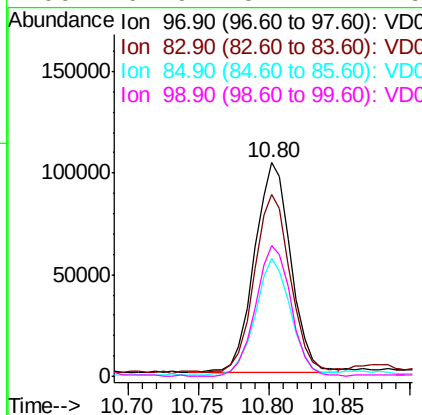
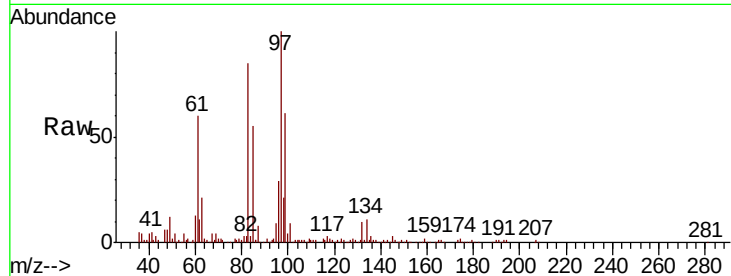
#55
 1,1,2-Trichloroethane
 Concen: 52.379 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD064447.D
 Acq: 05 Dec 2019 20:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	188307
Ion	Ratio	Lower	Upper
97	100		
83	84.0	67.8	101.8
85	55.4	43.7	65.5
99	61.9	51.7	77.5

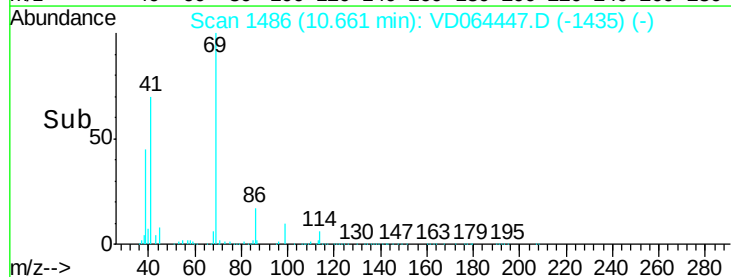
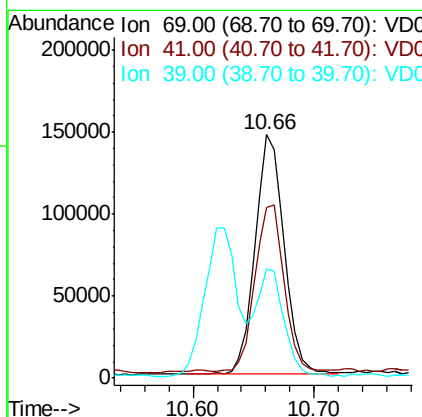
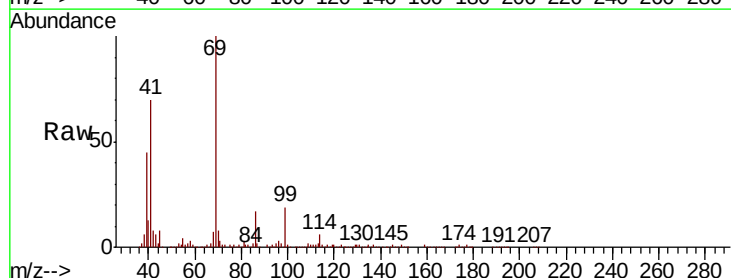
Manual Integrations
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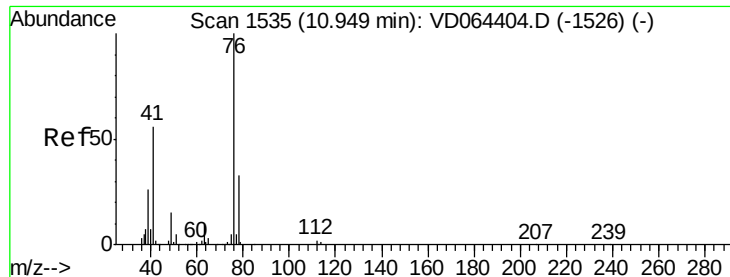
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#56
 Ethyl methacrylate
 Concen: 53.892 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VD064447.D
 Acq: 05 Dec 2019 20:22

Tgt Ion:	69	Resp:	247111
Ion	Ratio	Lower	Upper
69	100		
41	68.5	55.0	82.4
39	43.0	33.0	49.6





#57

1,3-Dichloropropane

Concen: 52.870 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD064447.D

Acq: 05 Dec 2019 20:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 32352

Ion Ratio Lower Upper

76 100

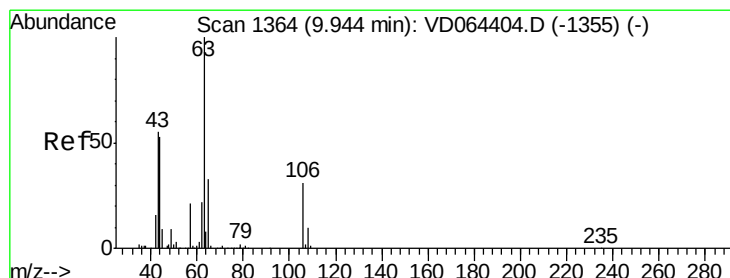
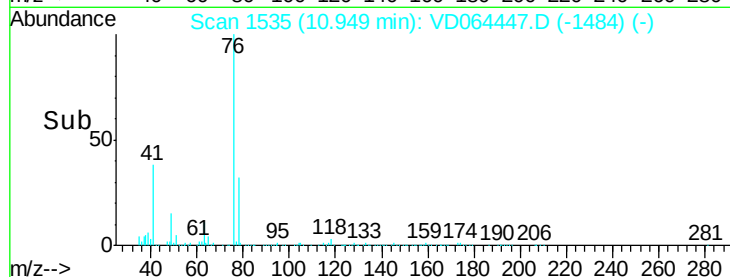
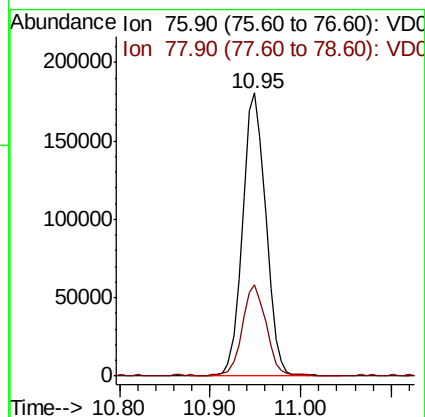
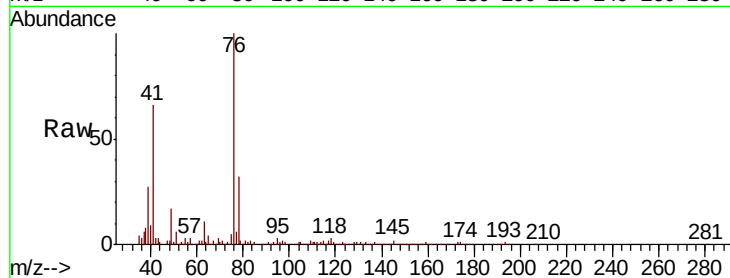
78 32.4 26.0 39.0

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 252.720 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VD064447.D

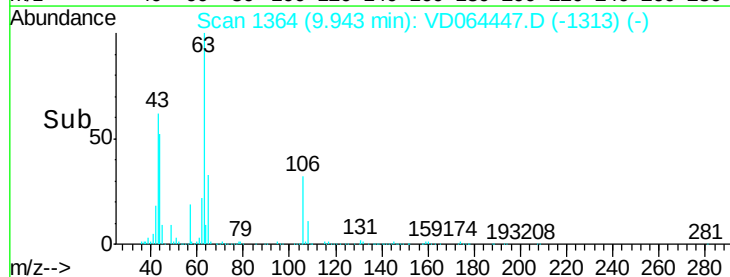
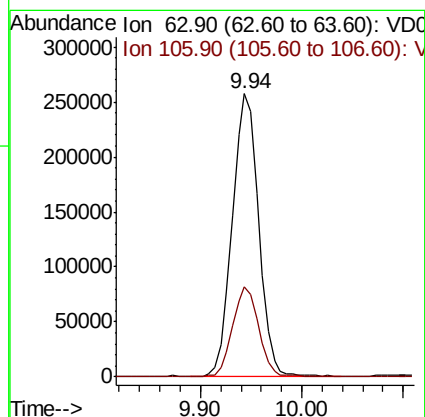
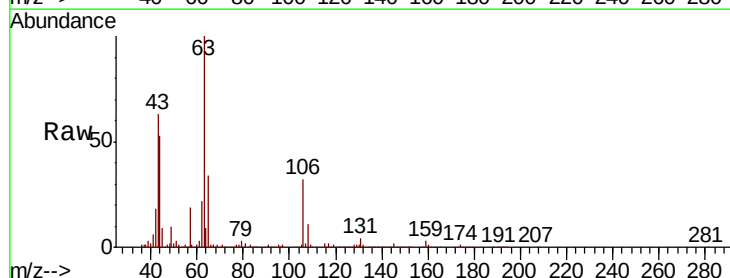
Acq: 05 Dec 2019 20:22

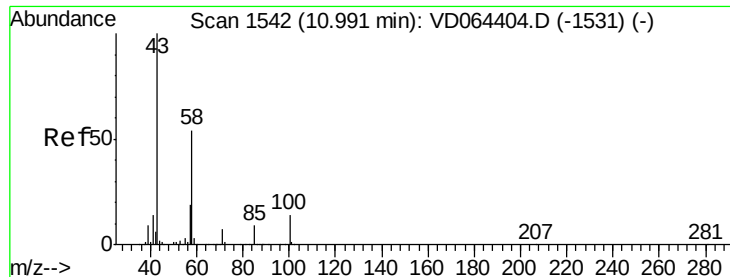
Tgt Ion: 63 Resp: 461942

Ion Ratio Lower Upper

63 100

106 31.6 24.2 36.4





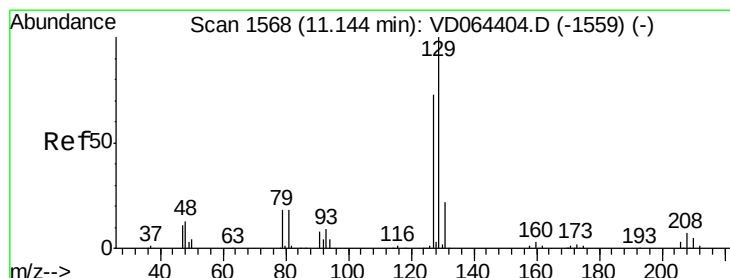
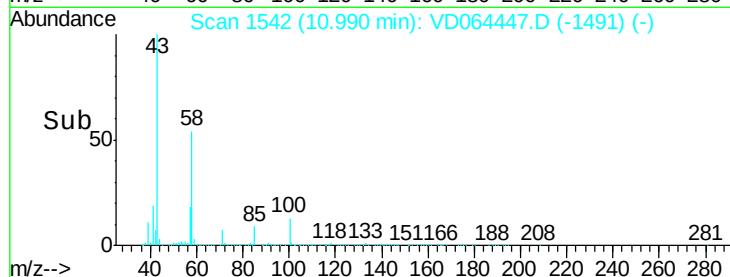
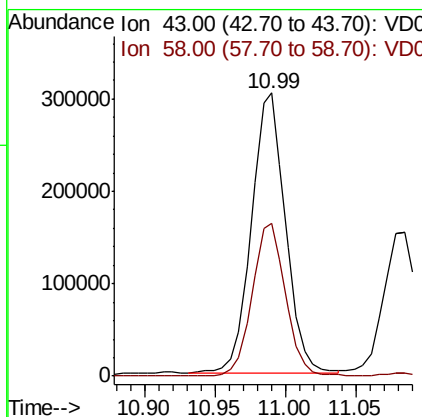
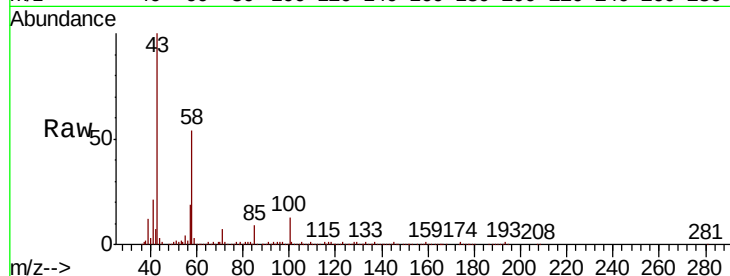
#59
2-Hexanone
Concen: 256.703 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD064447.D
Acq: 05 Dec 2019 20:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.5	26.3	78.8

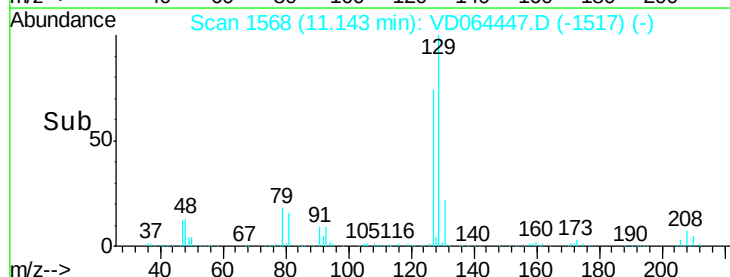
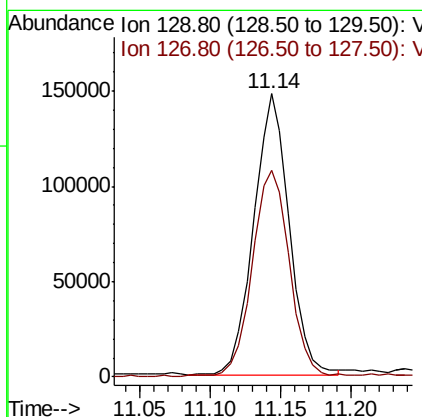
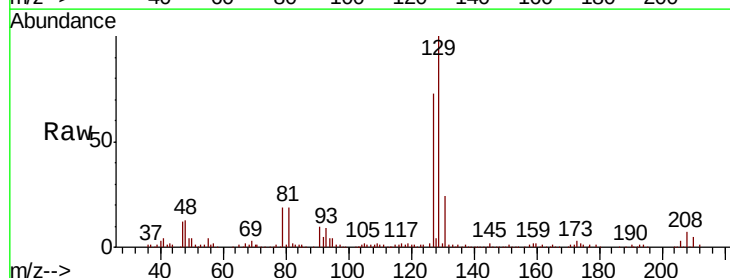
Manual Integrations
APPROVED

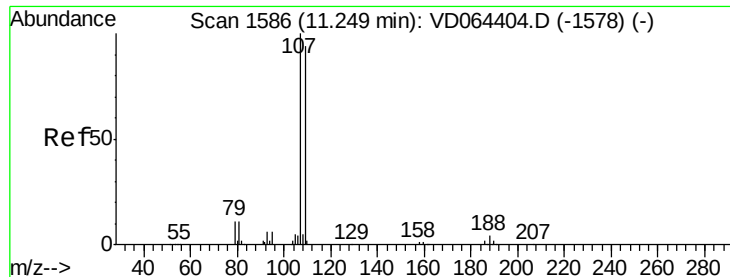
apatel
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#60
Dibromochloromethane
Concen: 53.294 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD064447.D
Acq: 05 Dec 2019 20:22

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.2	38.1	114.3





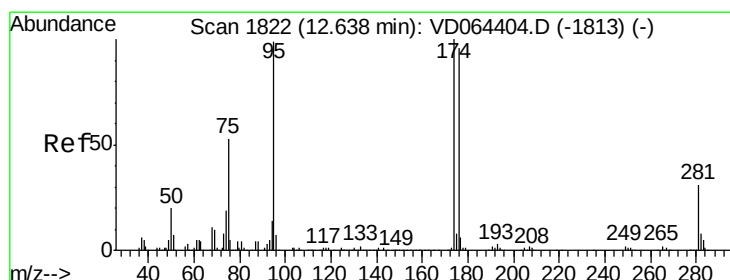
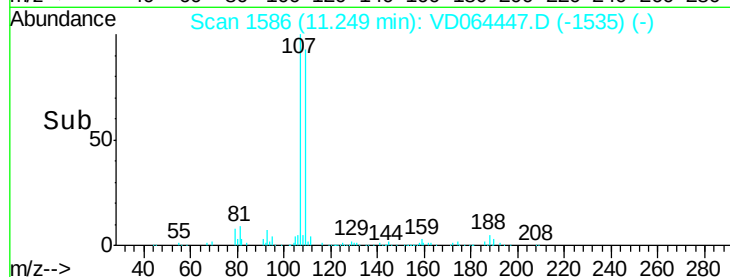
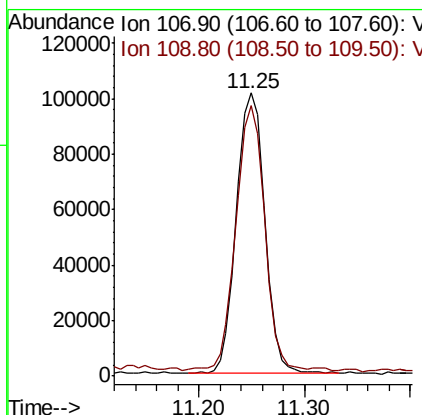
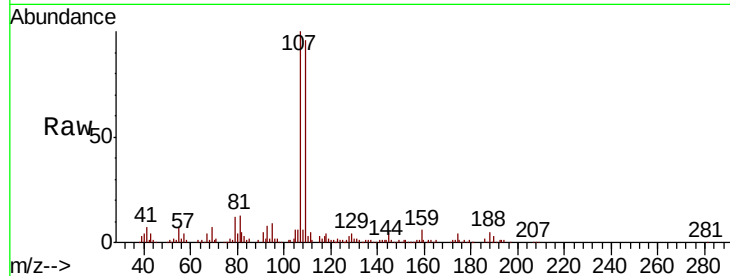
#61
 1,2-Dibromoethane
 Concen: 52.524 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD064447.D
 Acq: 05 Dec 2019 20:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
107	100	188535		
109	94.6	76.2	114.2	

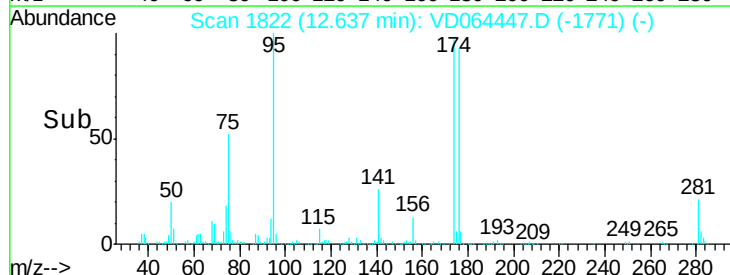
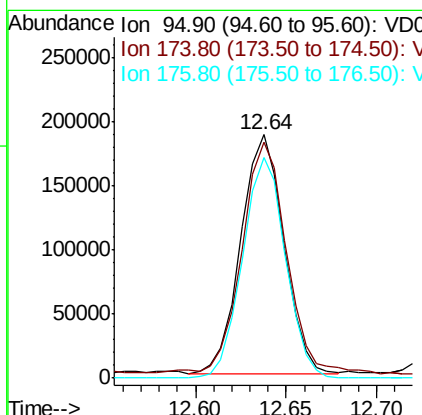
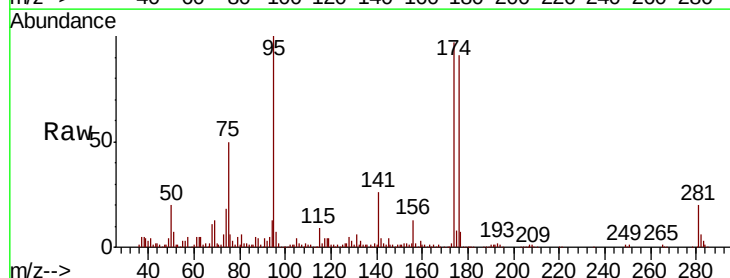
Manual Integrations
 APPROVED

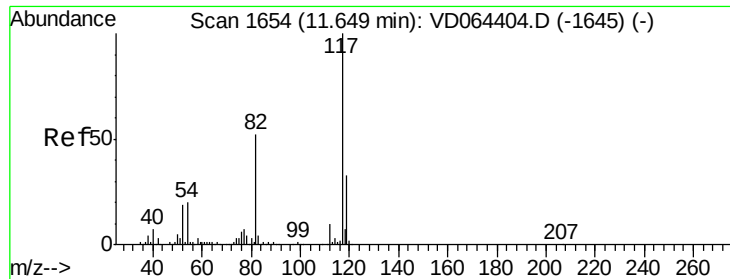
apatel
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#62
 4-Bromofluorobenzene
 Concen: 54.349 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD064447.D
 Acq: 05 Dec 2019 20:22

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	306923		
174	104.8	0.0	197.2	
176	92.7	0.0	189.6	





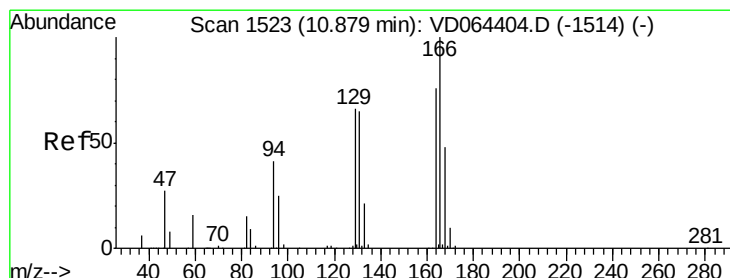
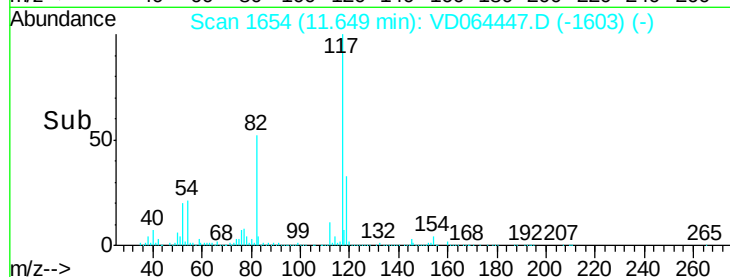
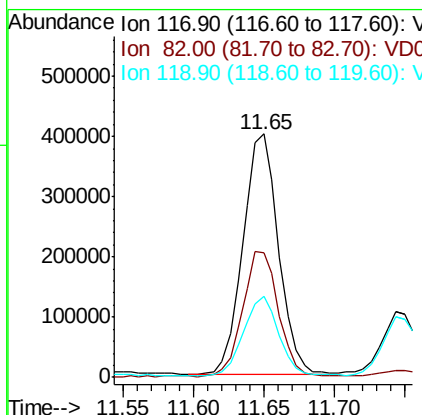
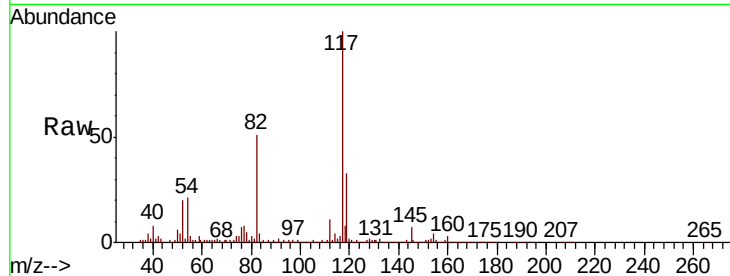
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064447.D
Acq: 05 Dec 2019 20:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.6	41.4	62.2
119	32.9	26.2	39.2

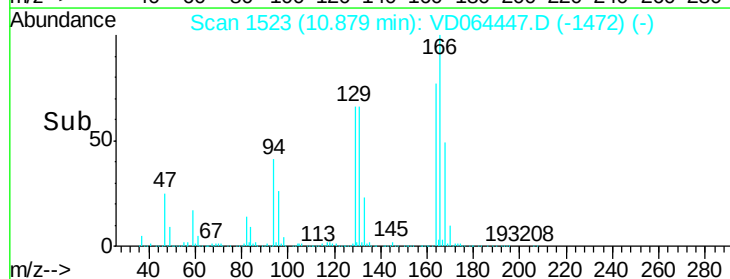
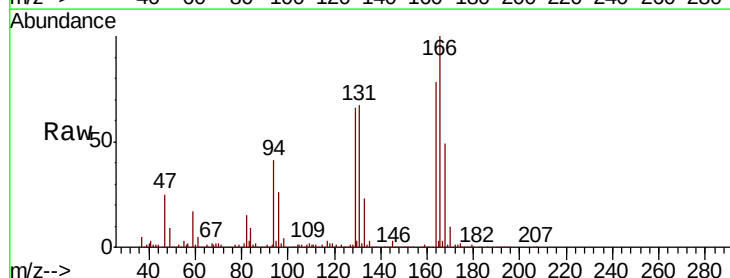
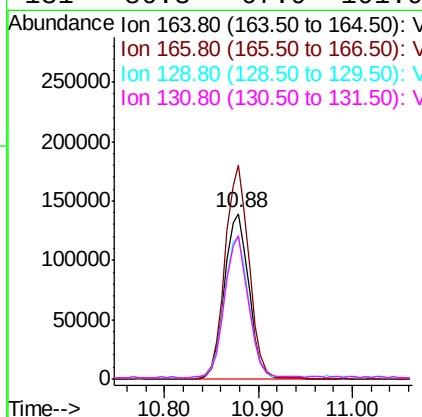
Manual Integrations
APPROVED

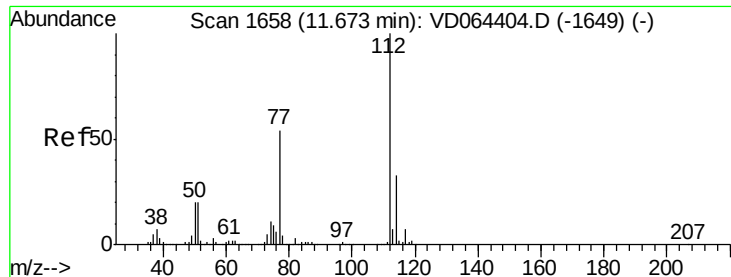
apatel
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#64
Tetrachloroethene
Concen: 46.542 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD064447.D
Acq: 05 Dec 2019 20:22

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.1	104.8	157.2
129	84.6	68.7	103.1
131	86.3	67.9	101.9





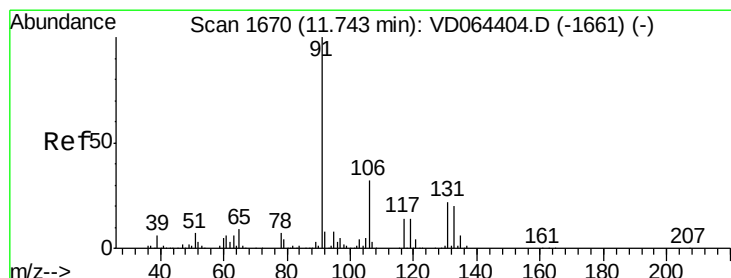
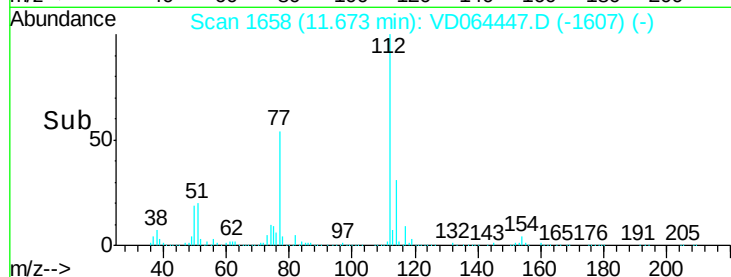
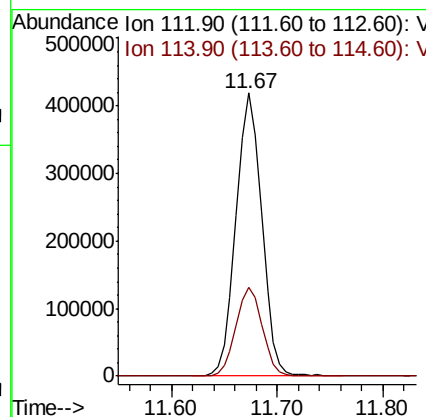
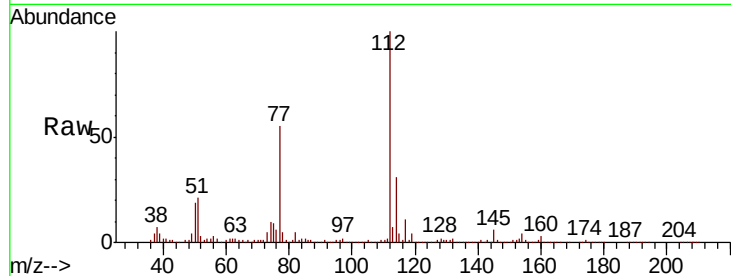
#65
Chlorobenzene
Concen: 47.854 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD064447.D
Acq: 05 Dec 2019 20:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.4	26.5	39.7

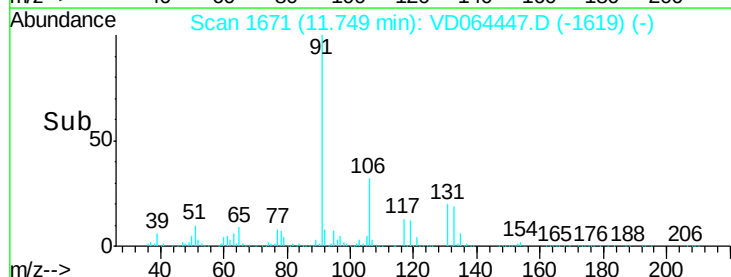
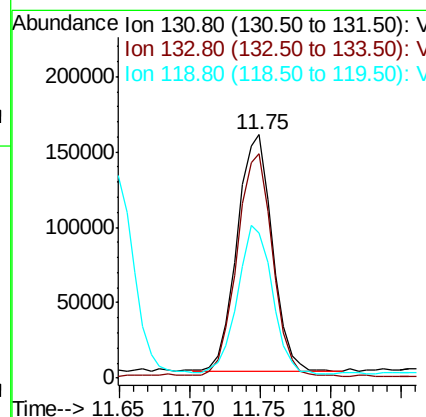
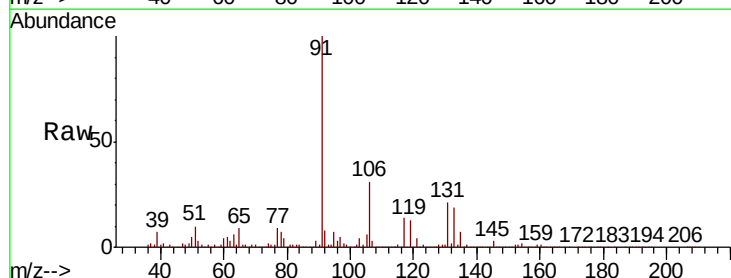
Manual Integrations
APPROVED

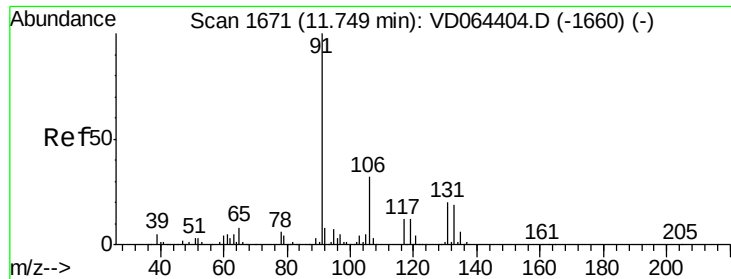
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 50.411 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064447.D
Acq: 05 Dec 2019 20:22

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.8	48.3	144.9
119	61.8	31.9	95.9





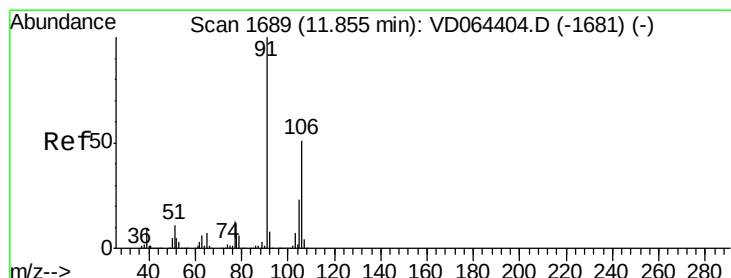
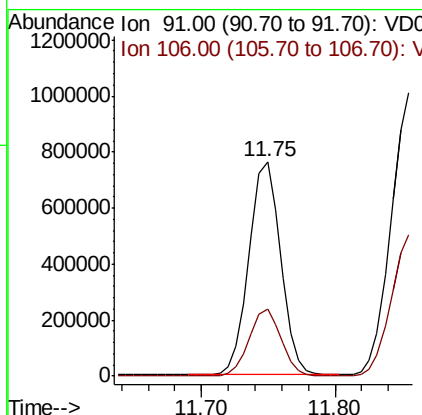
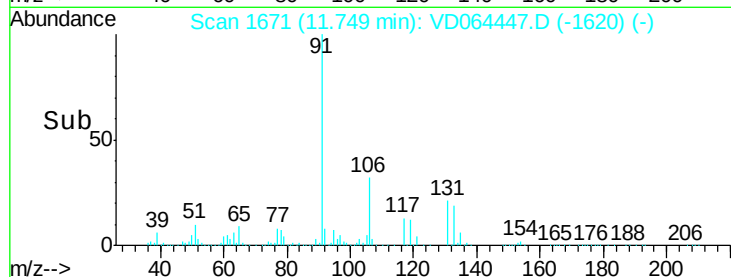
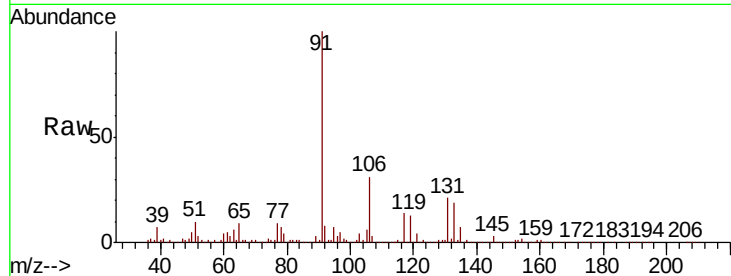
#67
Ethyl Benzene
Concen: 47.576 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD064447.D
Acq: 05 Dec 2019 20:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1245559
Ion Ratio Lower Upper
91 100
106 31.6 25.8 38.8

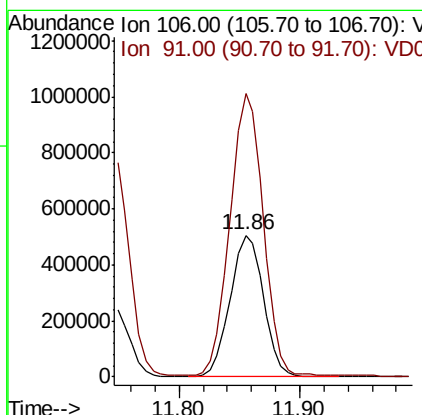
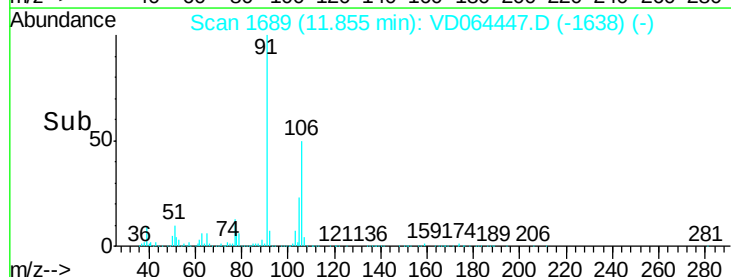
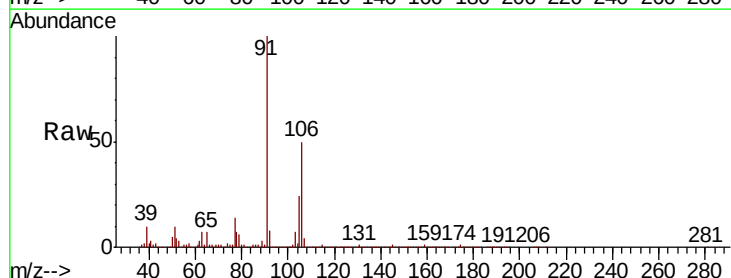
Manual Integrations
APPROVED

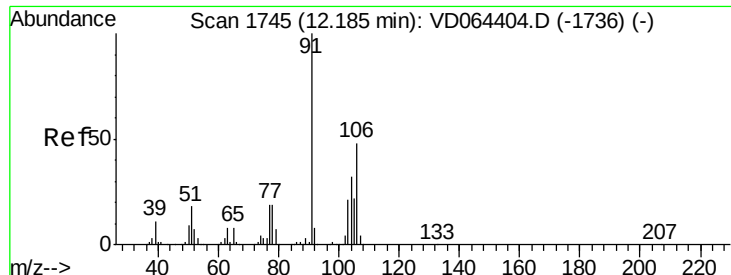
apatel
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#68
m/p-Xylenes
Concen: 97.232 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VD064447.D
Acq: 05 Dec 2019 20:22

Tgt Ion: 106 Resp: 970598
Ion Ratio Lower Upper
106 100
91 198.3 157.4 236.2





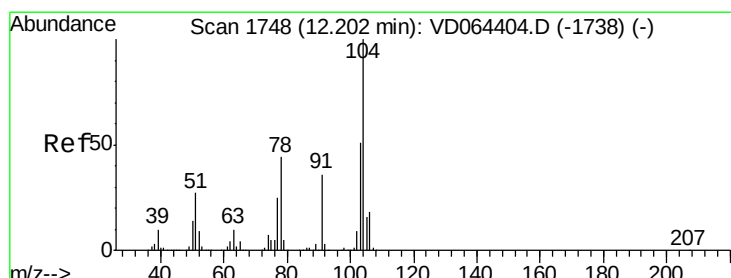
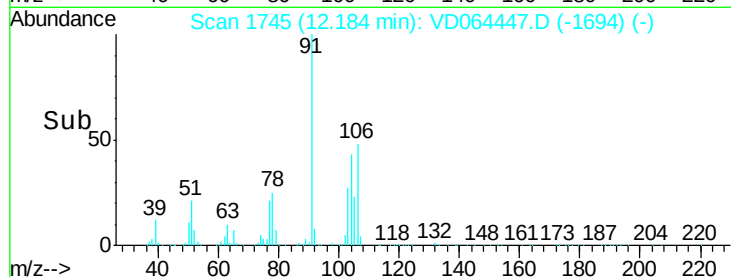
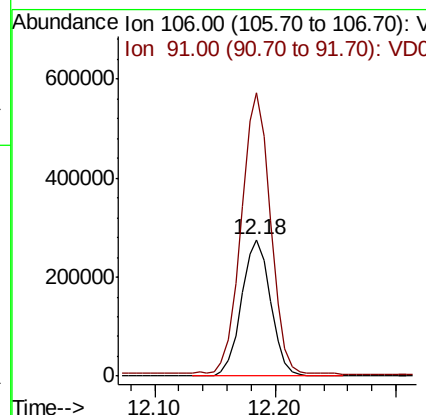
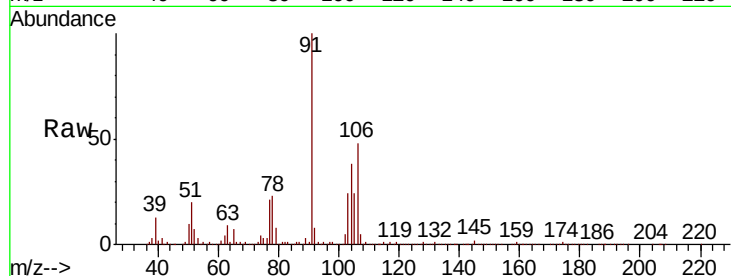
#69
o-Xylene
Concen: 50.201 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD064447.D
Acq: 05 Dec 2019 20:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	208.3	103.8	311.4	

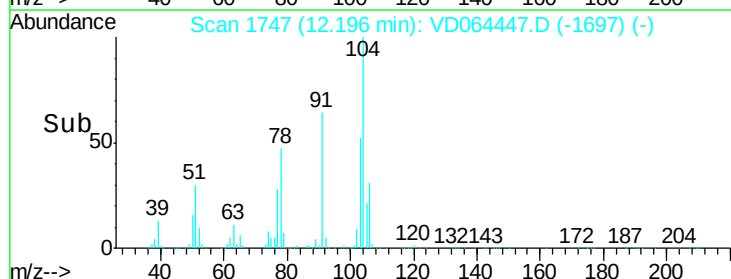
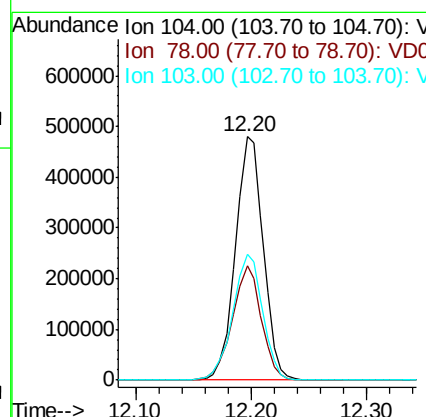
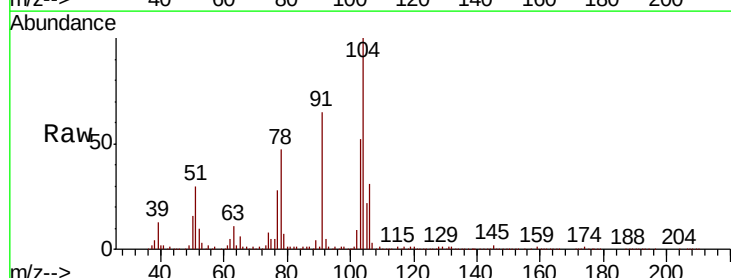
Manual Integrations
APPROVED

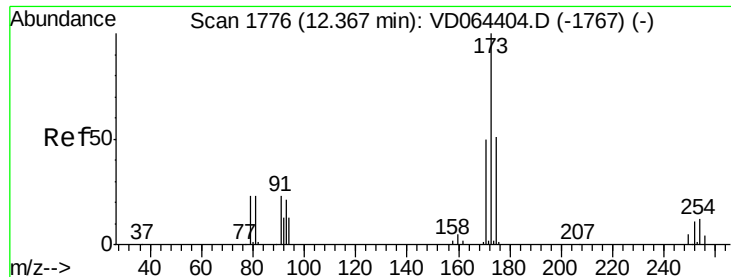
apatel
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#70
Styrene
Concen: 49.690 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD064447.D
Acq: 05 Dec 2019 20:22

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	49.0	38.8	58.2	
103	55.4	44.2	66.4	





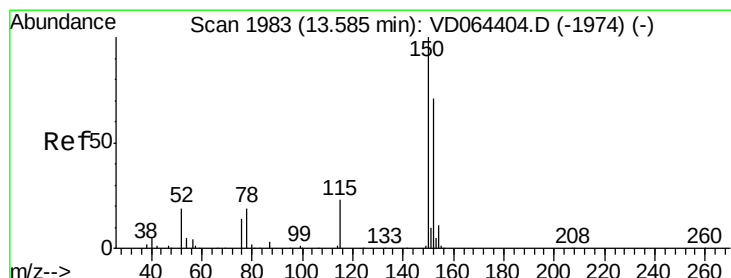
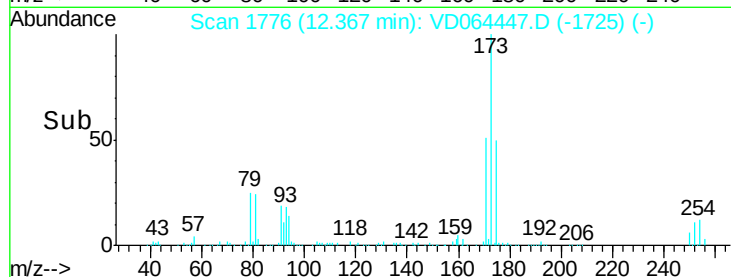
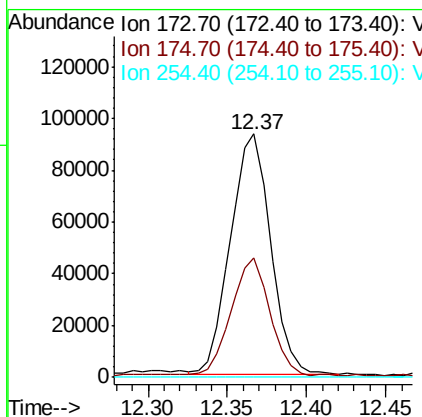
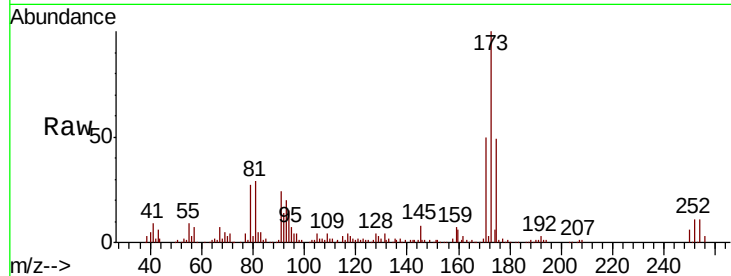
#71
Bromoform
Concen: 49.904 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. -0.00 min
Lab File: VD064447.D
Acq: 05 Dec 2019 20:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.7	25.3	75.8
254	0.2	0.0	0.0

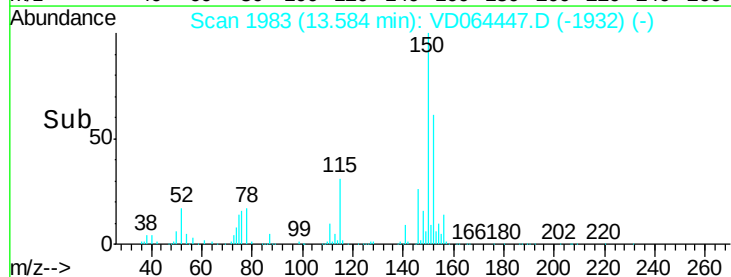
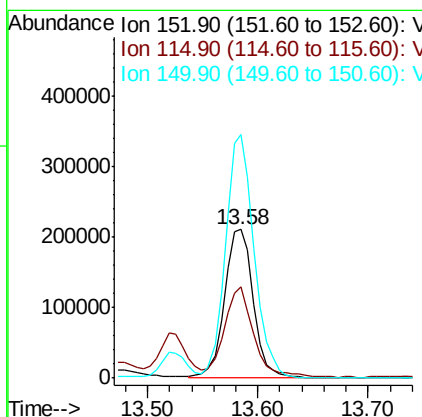
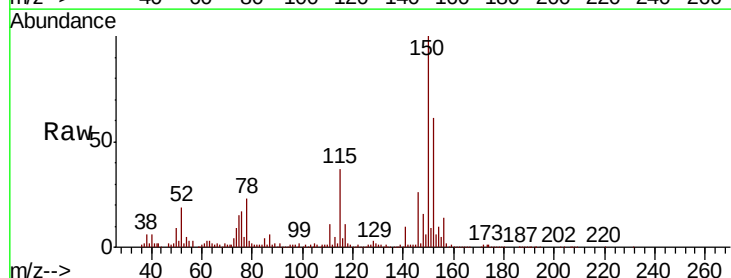
Manual Integrations
APPROVED

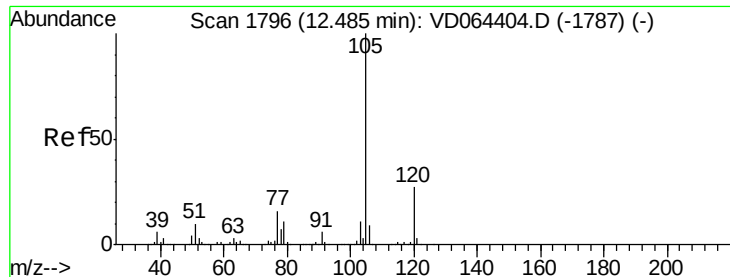
apatel
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD064447.D
Acq: 05 Dec 2019 20:22

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.1	26.7	80.1
150	161.9	0.0	347.2





#73

Isopropylbenzene

Concen: 43.412 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD064447.D

Acq: 05 Dec 2019 20:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1193873

Ion Ratio Lower Upper

105 100

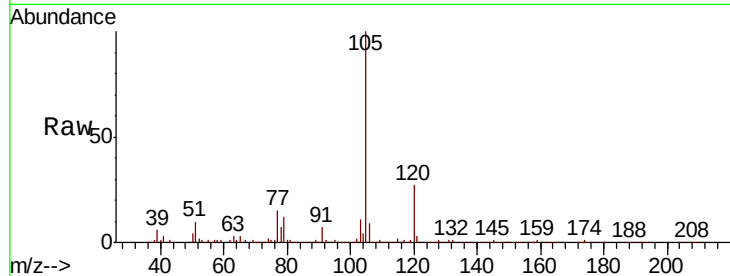
120 26.9 13.4 40.2

Manual Integrations

APPROVED

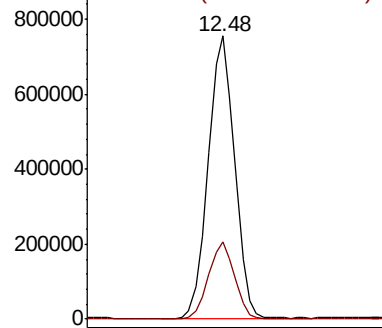
apatel

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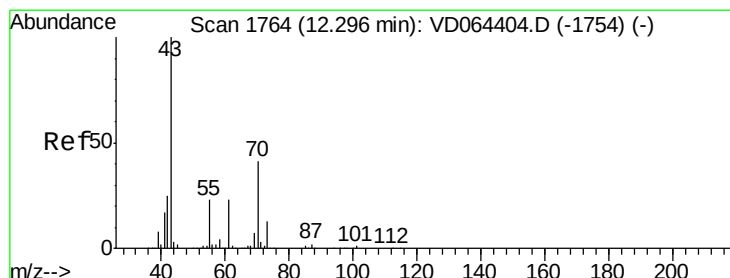
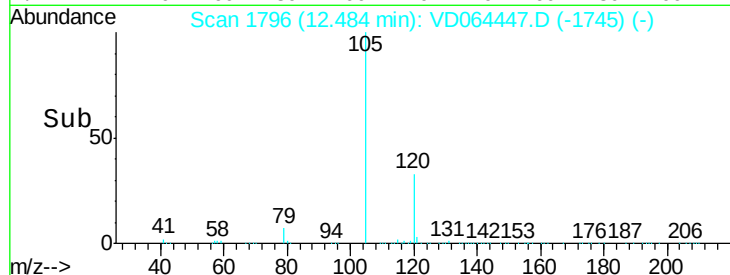


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->



#74

N-ethyl acetate

Concen: 47.173 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD064447.D

Acq: 05 Dec 2019 20:22

Tgt Ion: 43 Resp: 294442

Ion Ratio Lower Upper

43 100

70 39.5 33.4 50.2

55 31.0 18.9 28.3#

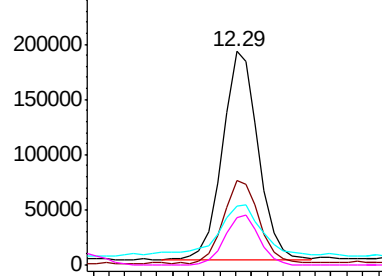
61 23.4 18.5 27.7

Abundance Ion 43.00 (42.70 to 43.70): VDC

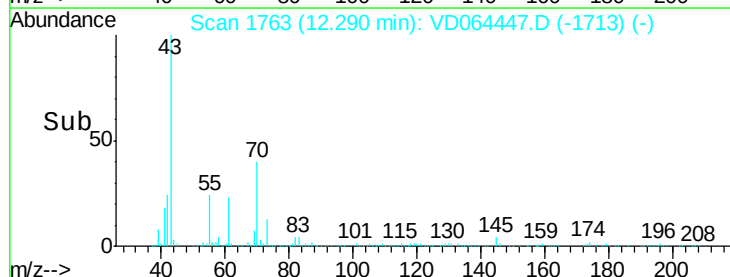
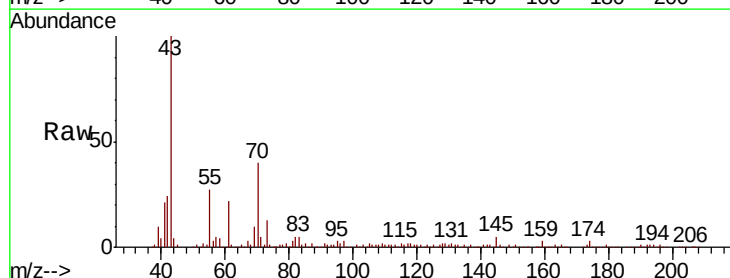
Ion 70.00 (69.70 to 70.70): VDC

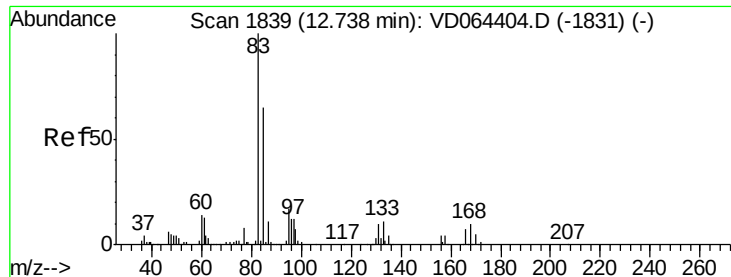
Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC



Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 45.549 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD064447.D

Acq: 05 Dec 2019 20:22

Instrument :

MSVOA_D

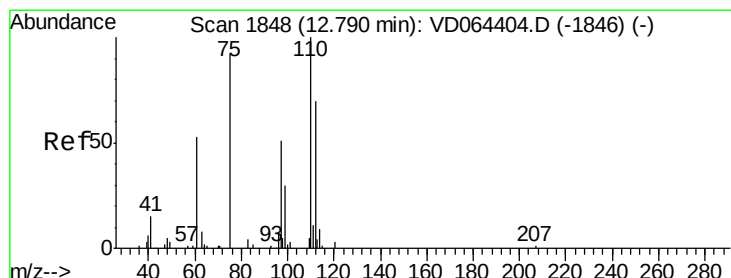
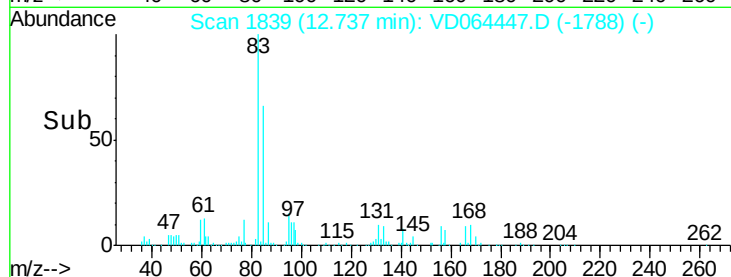
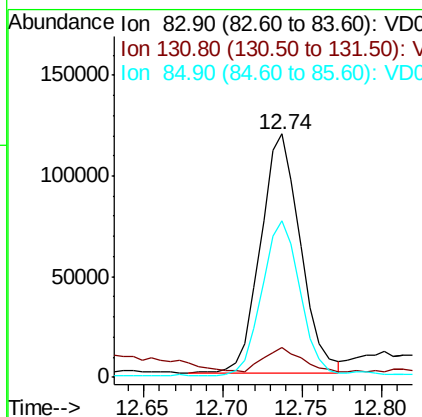
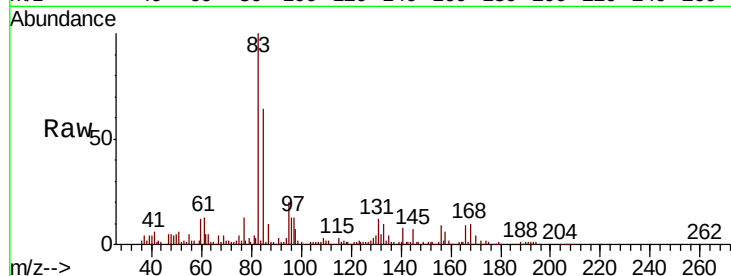
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	207149
Ion Ratio	Lower	Upper	
83	100		
131	9.2	5.7	17.0
85	62.5	31.3	93.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 48.948 ug/l m

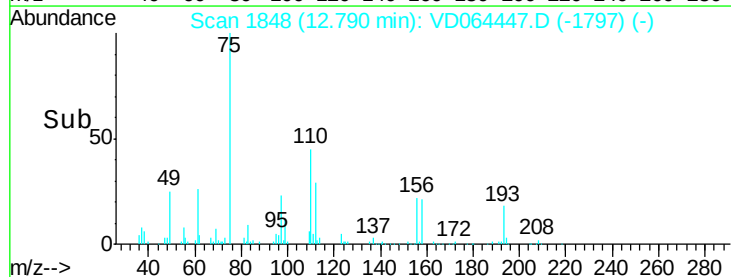
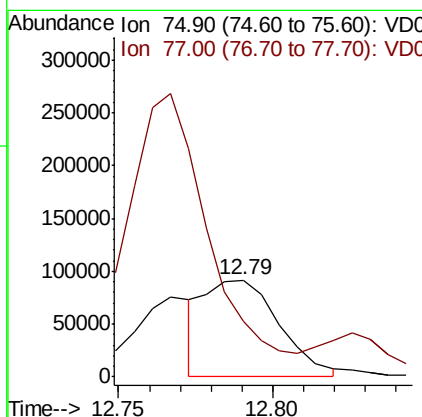
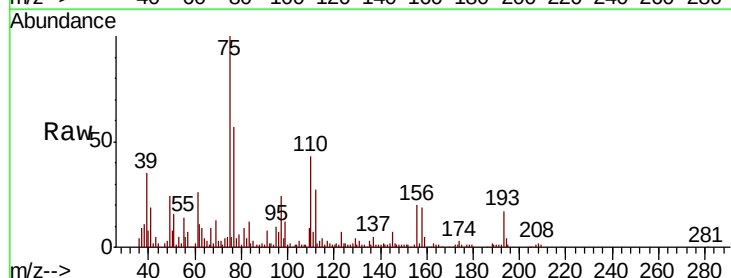
RT: 12.79 min Scan# 1848

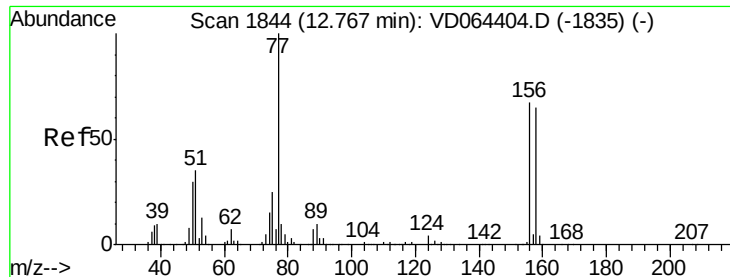
Delta R.T. -0.00 min

Lab File: VD064447.D

Acq: 05 Dec 2019 20:22

Tgt Ion:	75	Resp:	153919
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 47.615 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD064447.D

Acq: 05 Dec 2019 20:22

Instrument :

MSVOA_D

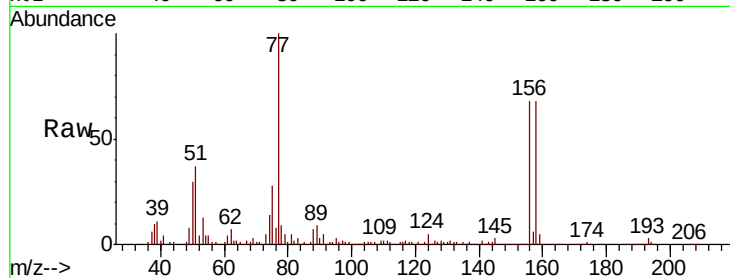
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	323367
Ion Ratio	Lower	Upper	
156	100		
77	153.8	80.0	240.2
158	93.5	48.9	146.6

Manual Integrations
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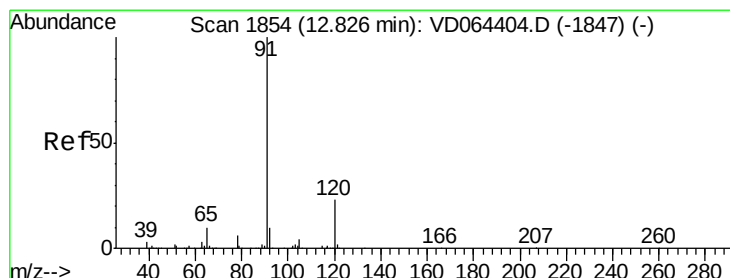
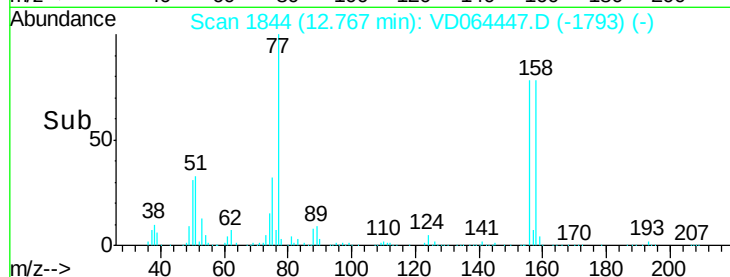
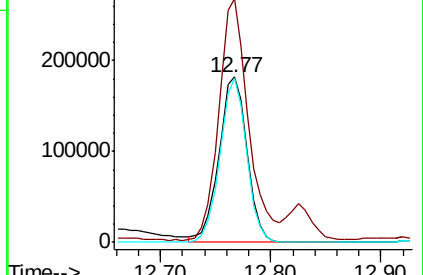
apatel
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 43.581 ug/l

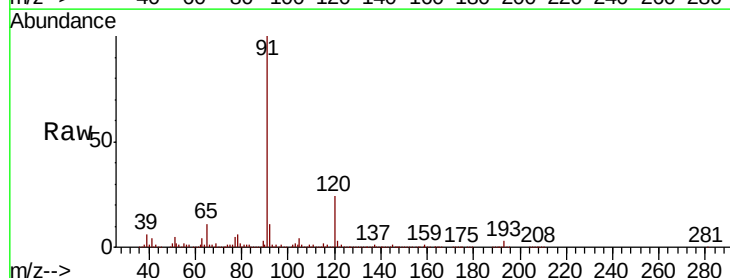
RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD064447.D

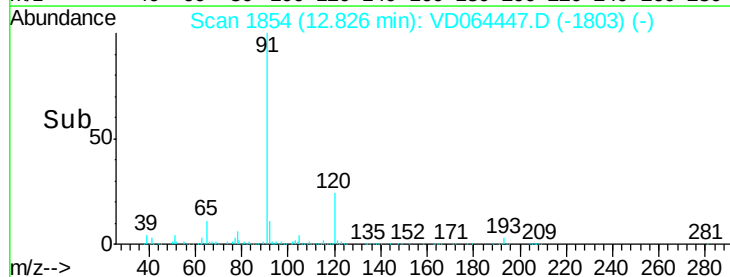
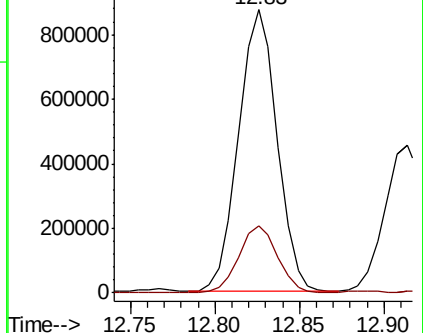
Acq: 05 Dec 2019 20:22

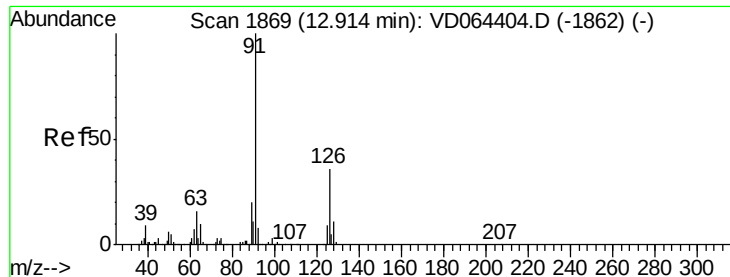
Tgt Ion:	91	Resp:	1382874
Ion Ratio	Lower	Upper	
91	100		
120	23.9	11.9	35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





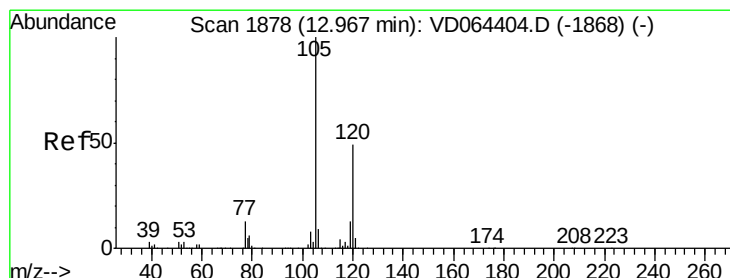
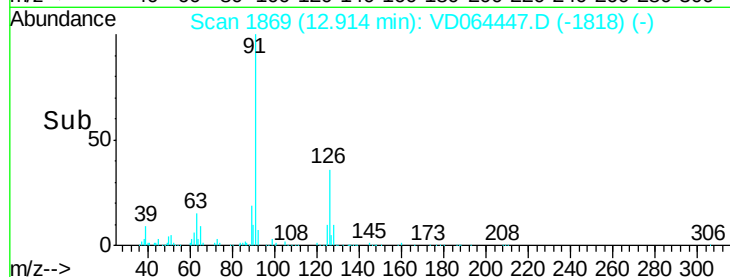
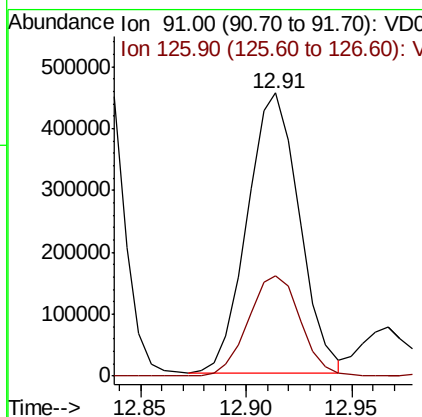
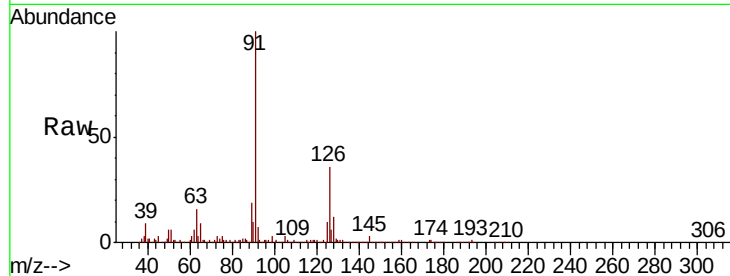
#79
 2-Chlorotoluene
 Concen: 44.458 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VD064447.D
 Acq: 05 Dec 2019 20:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 776223
 Ion Ratio Lower Upper
 91 100
 126 35.9 18.0 54.0

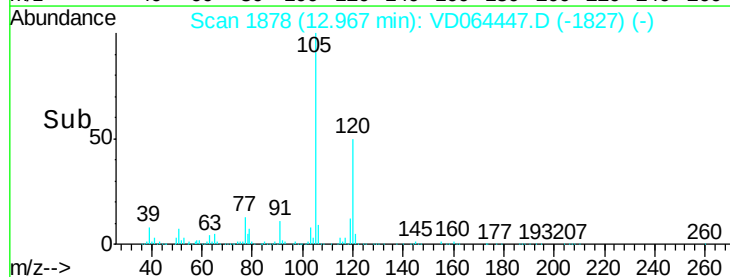
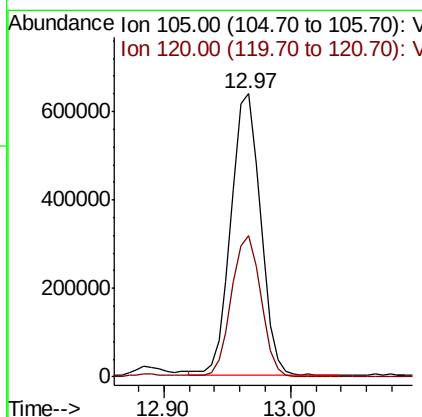
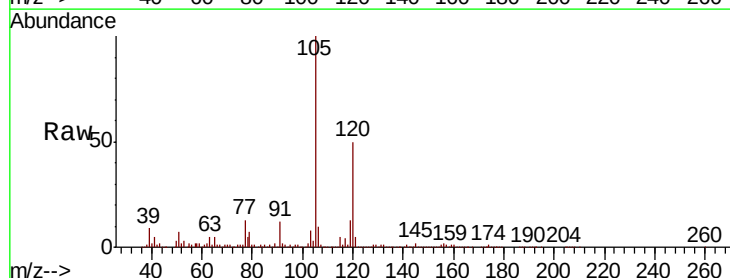
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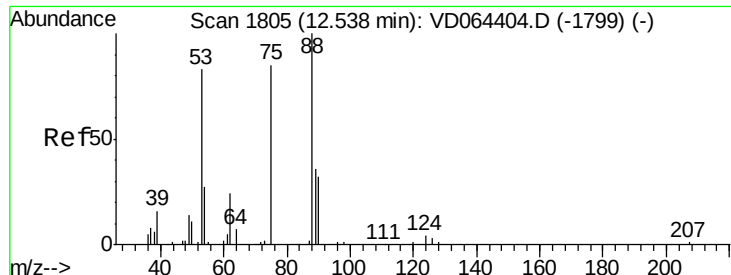
apatel
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#80
 1,3,5-Trimethylbenzene
 Concen: 45.852 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. -0.00 min
 Lab File: VD064447.D
 Acq: 05 Dec 2019 20:22

Tgt Ion: 105 Resp: 1030458
 Ion Ratio Lower Upper
 105 100
 120 49.4 25.1 75.3





#81

trans-1,4-Dichloro-2-butene

Concen: 43.931 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD064447.D

Acq: 05 Dec 2019 20:22

Instrument :

MSVOA_D

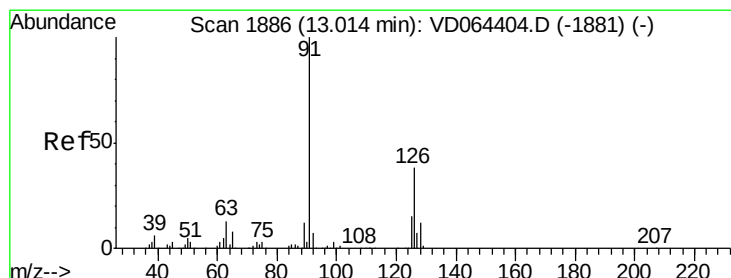
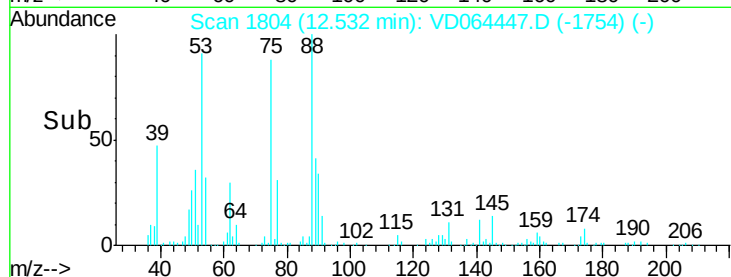
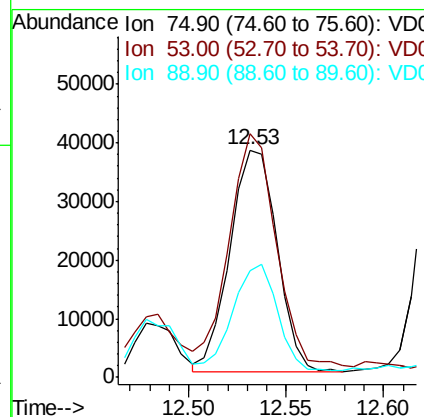
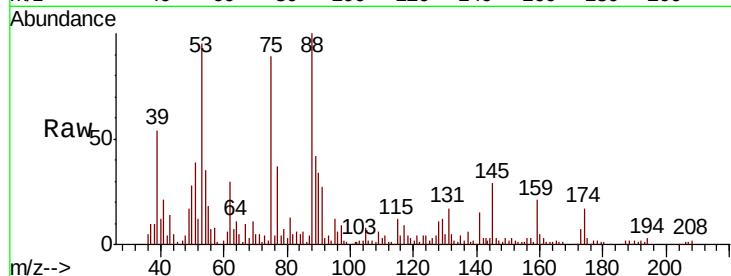
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	63353
Ion	Ratio	Lower	Upper
75	100		
53	104.0	81.0	121.6
89	46.1	38.5	57.7

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#82

4-Chlorotoluene

Concen: 44.117 ug/l

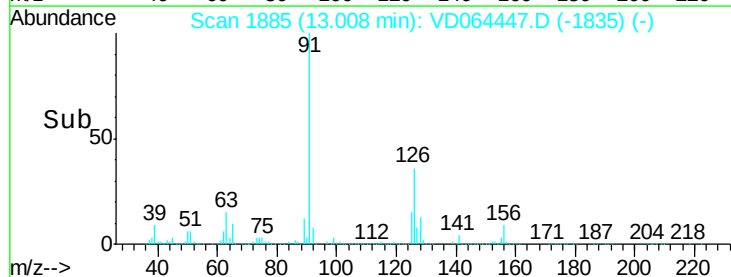
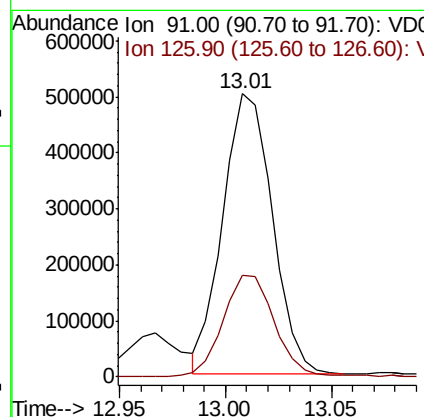
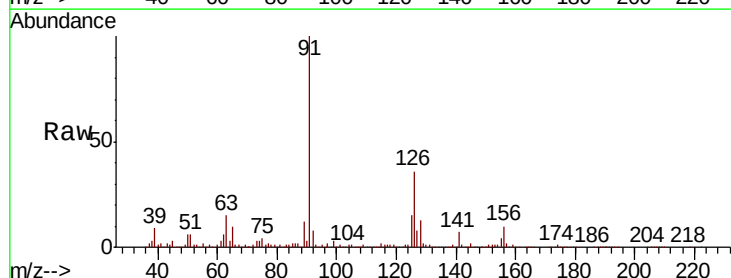
RT: 13.01 min Scan# 1885

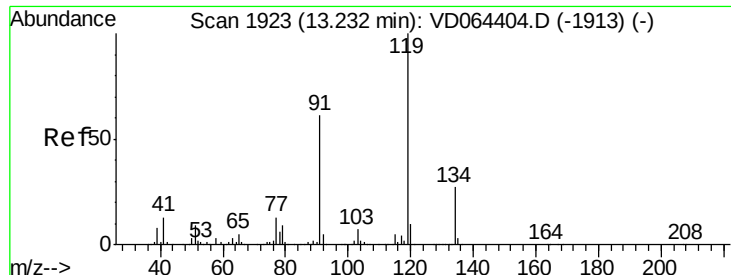
Delta R.T. -0.01 min

Lab File: VD064447.D

Acq: 05 Dec 2019 20:22

Tgt Ion:	91	Resp:	815546
Ion	Ratio	Lower	Upper
91	100		
126	37.3	18.2	54.6





#83

tert-Butylbenzene

Concen: 44.586 ug/l

RT: 13.23 min Scan# 1923

Delta R.T. -0.00 min

Lab File: VD064447.D

Acq: 05 Dec 2019 20:22

Instrument :

MSVOA_D

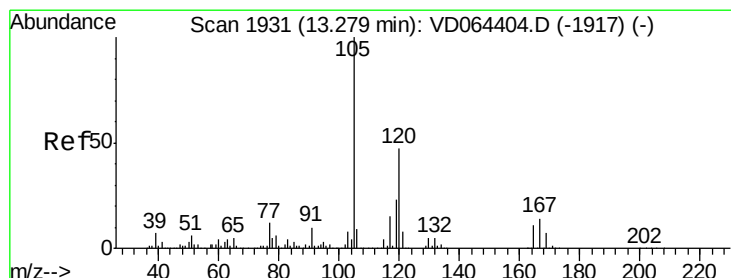
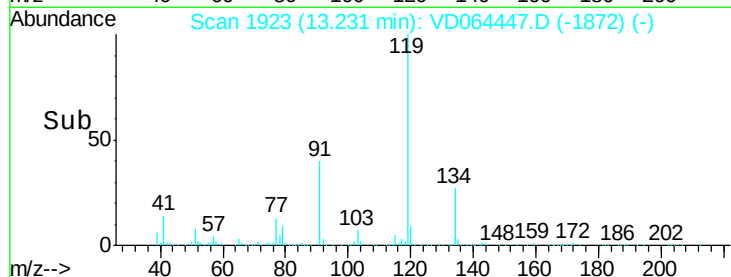
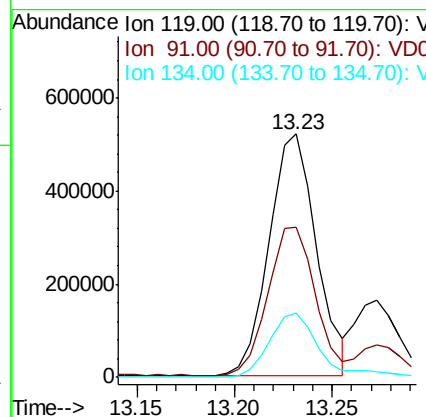
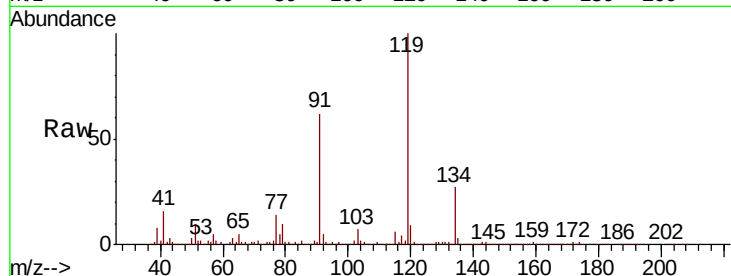
ClientSampleId :

VSTDCCC050EC

Tot Ion:	119	Resp:	871130
Ion Ratio	Lower	Upper	
119	100		
91	61.2	31.2	93.6
134	28.1	13.9	41.7

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 46.782 ug/l

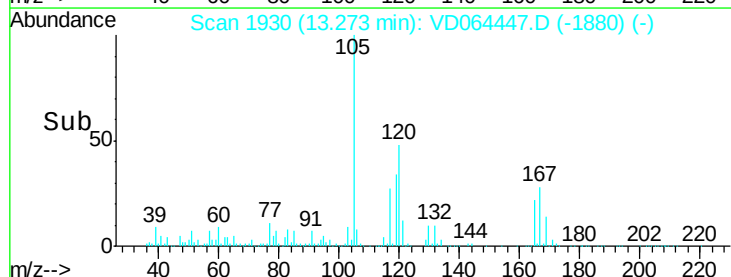
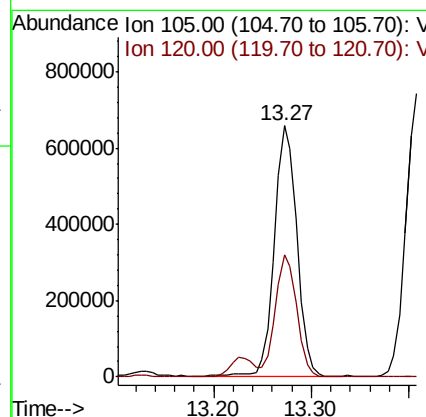
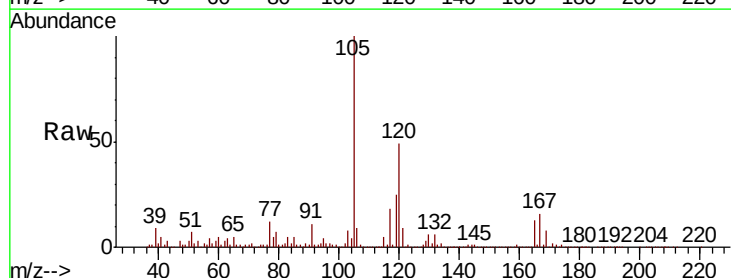
RT: 13.27 min Scan# 1930

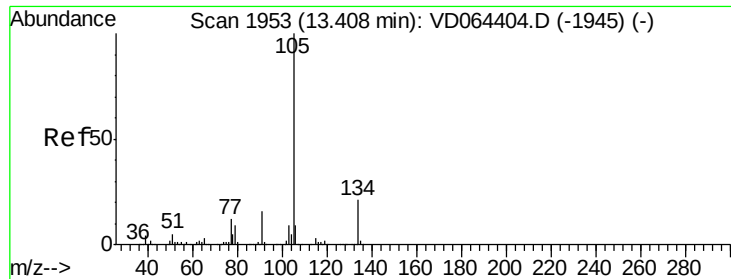
Delta R.T. -0.01 min

Lab File: VD064447.D

Acq: 05 Dec 2019 20:22

Tgt Ion:	105	Resp:	1057180
Ion Ratio	Lower	Upper	
105	100		
120	46.6	23.6	70.8





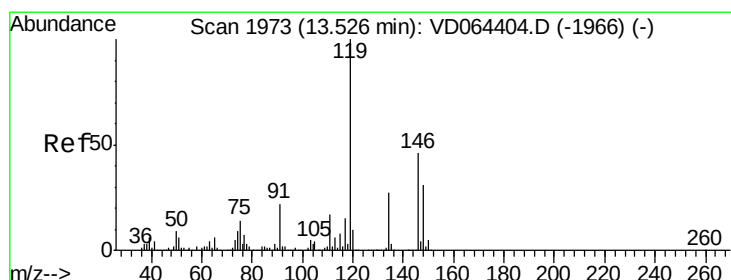
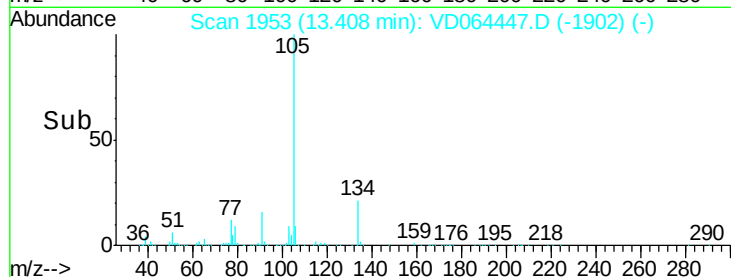
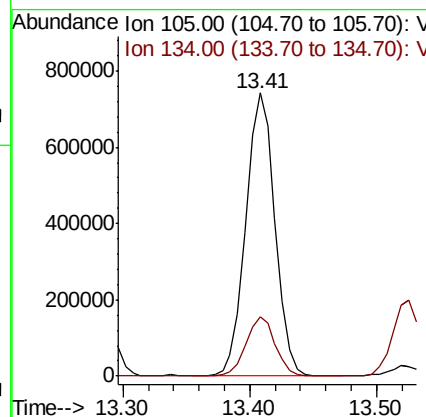
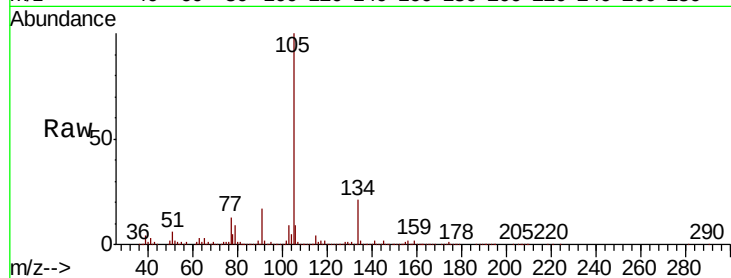
#85
 sec-Butylbenzene
 Concen: 43.858 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. -0.00 min
 Lab File: VD064447.D
 Acq: 05 Dec 2019 20:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.9	10.5	31.5

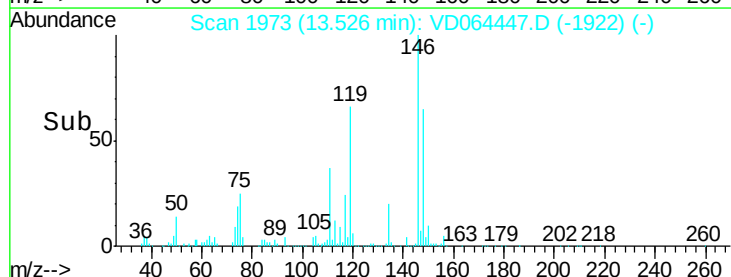
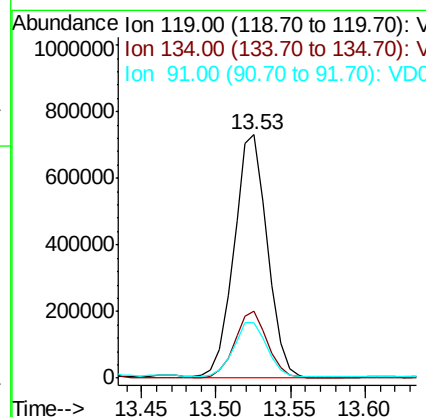
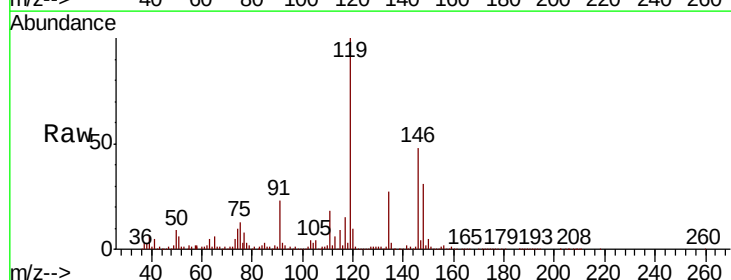
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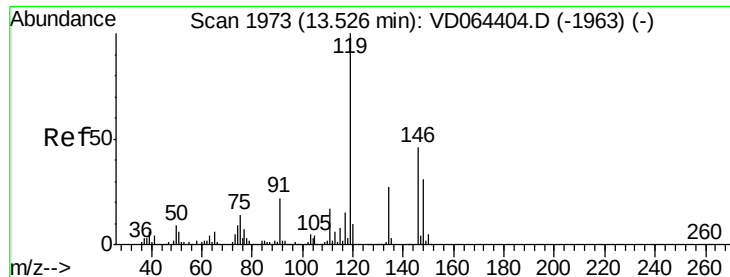
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#86
 p-Isopropyltoluene
 Concen: 44.789 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD064447.D
 Acq: 05 Dec 2019 20:22

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.0	13.5	40.4
91	22.3	11.2	33.5





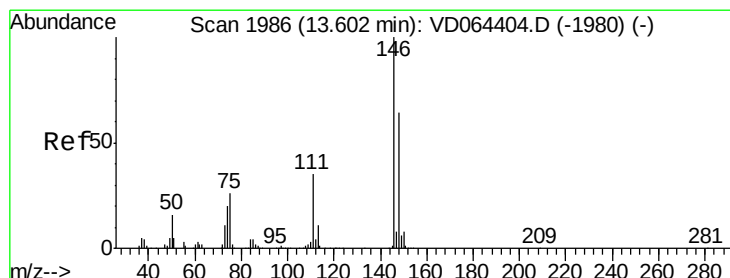
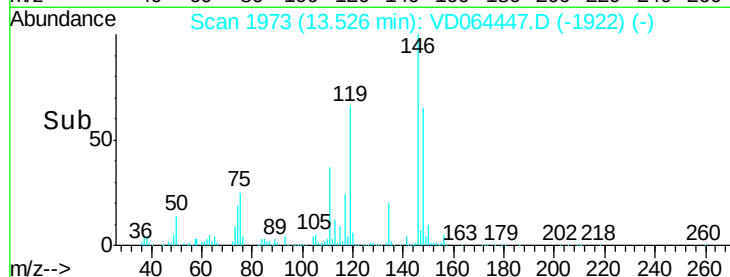
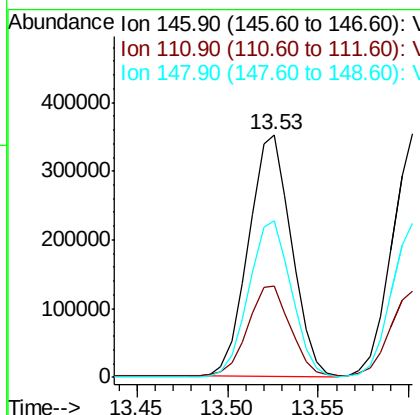
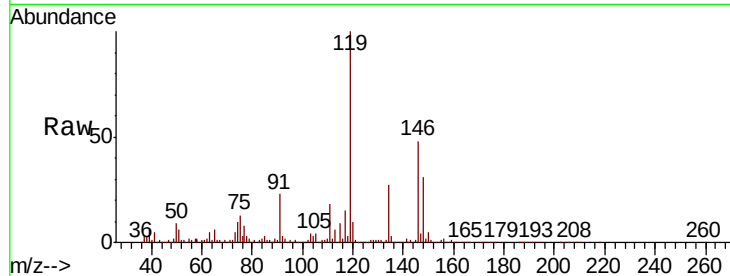
#87
 1,3-Dichlorobenzene
 Concen: 44.765 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD064447.D
 Acq: 05 Dec 2019 20:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.8	56.4
148	64.7	32.6	97.8

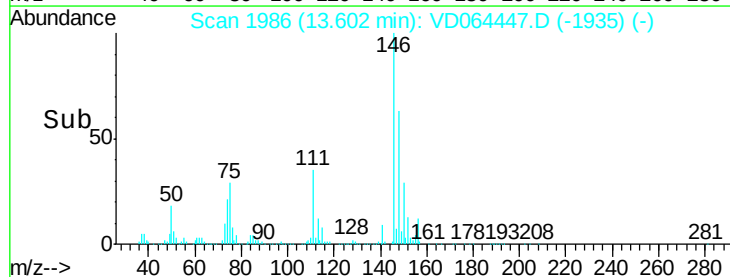
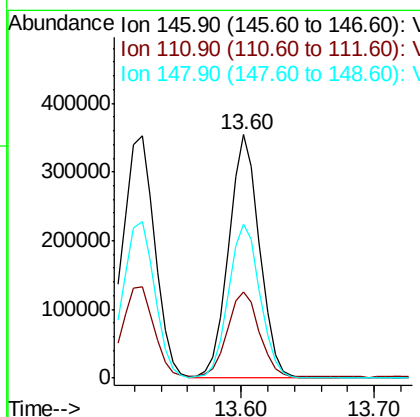
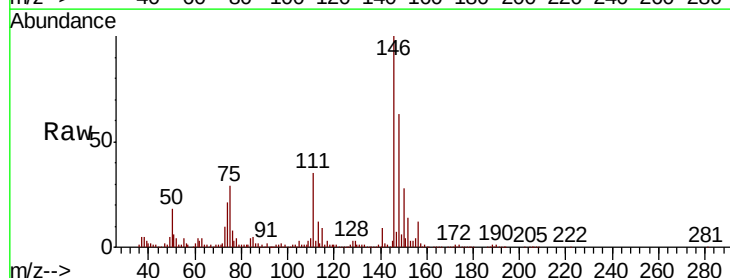
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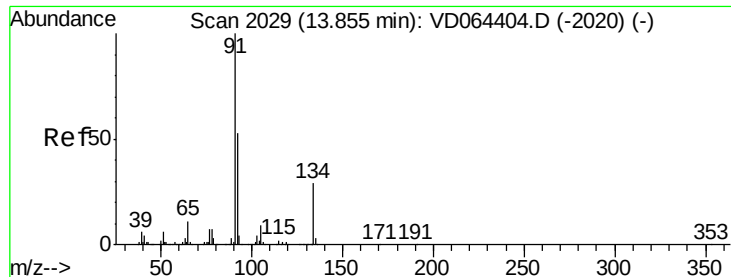
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#88
 1,4-Dichlorobenzene
 Concen: 44.556 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD064447.D
 Acq: 05 Dec 2019 20:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.2	18.2	54.6
148	64.8	31.8	95.4





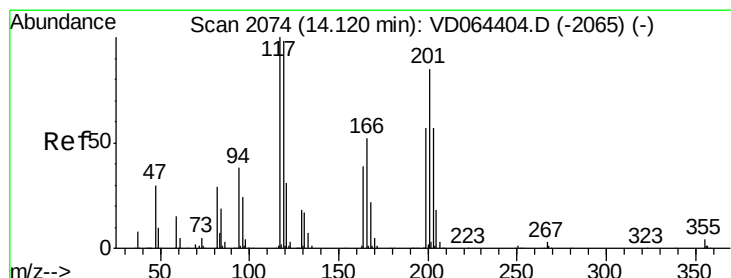
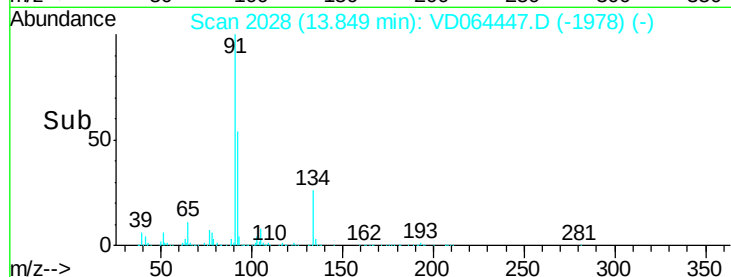
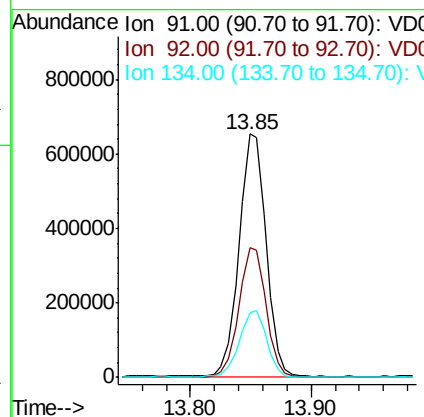
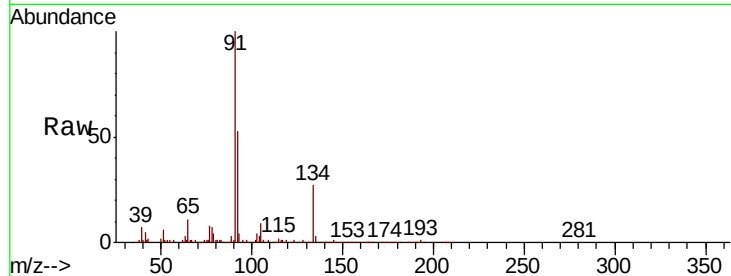
#89
n-Butylbenzene
Concen: 44.092 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.01 min
Lab File: VD064447.D
Acq: 05 Dec 2019 20:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.7	26.5	79.4
134	28.3	13.9	41.7

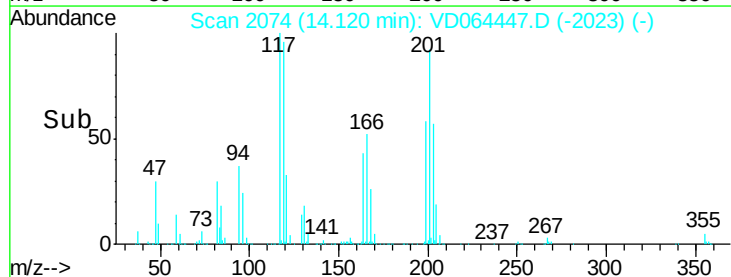
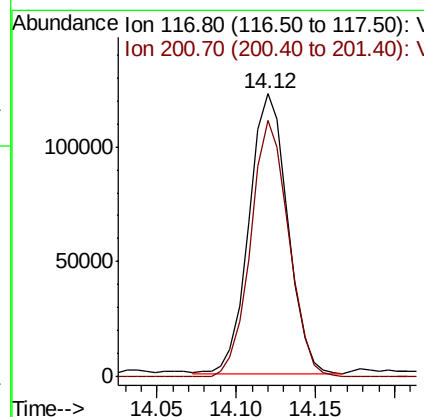
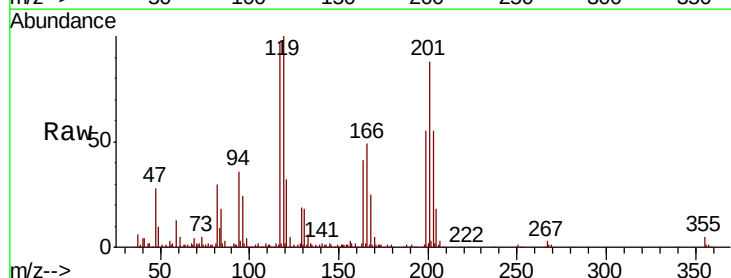
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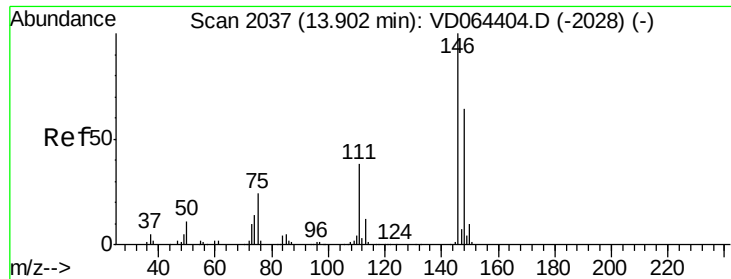
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#90
Hexachloroethane
Concen: 43.630 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD064447.D
Acq: 05 Dec 2019 20:22

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.9	44.3	132.8





#91

1,2-Dichlorobenzene

Concen: 45.719 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. -0.01 min

Lab File: VD064447.D

Acq: 05 Dec 2019 20:22

Instrument :

MSVOA_D

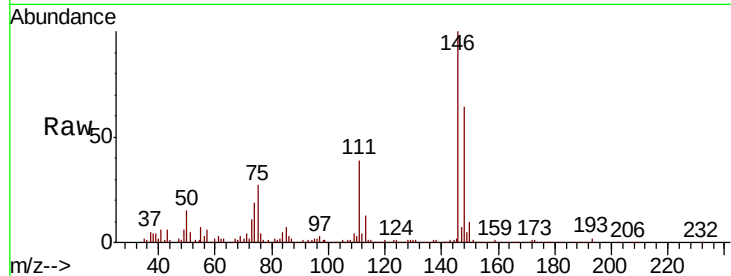
ClientSampleId :

VSTDCCC050EC

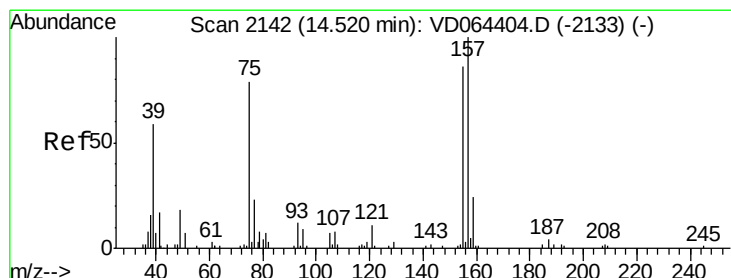
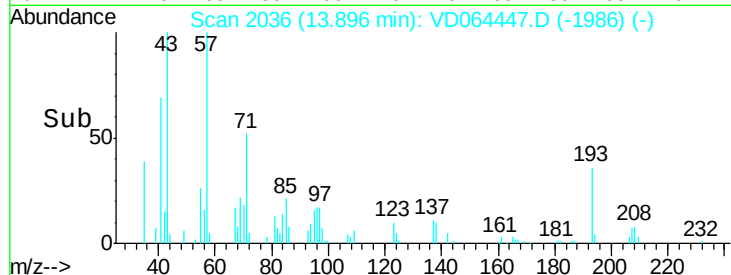
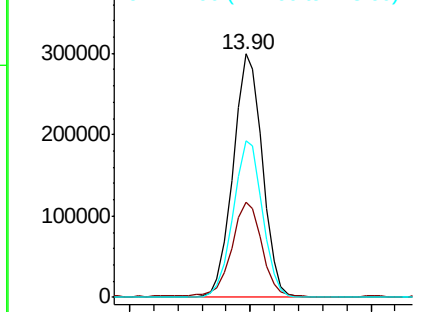
Tot Ion:	146	Resp:	503628
Ion Ratio	Lower	Upper	
146	100		
111	40.9	19.1	57.3
148	64.9	32.0	96.0

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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 50.015 ug/l

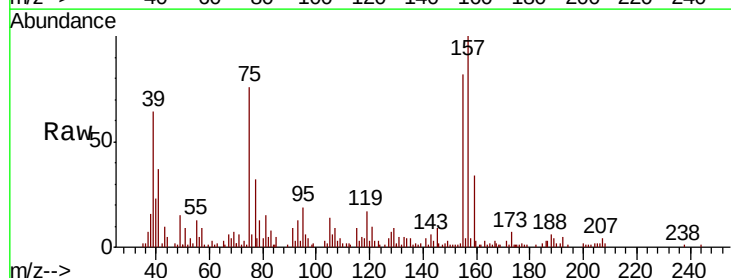
RT: 14.52 min Scan# 2142

Delta R.T. 0.00 min

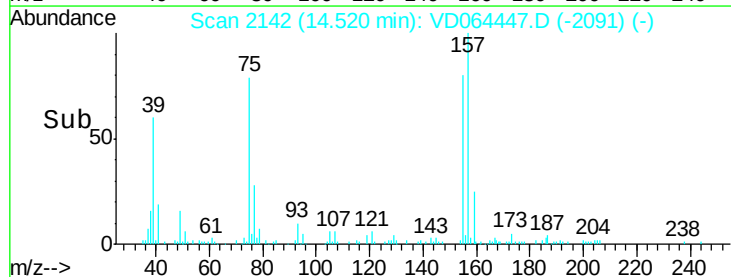
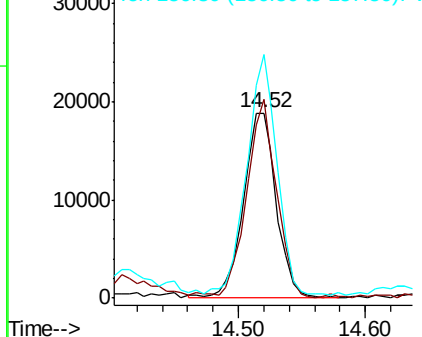
Lab File: VD064447.D

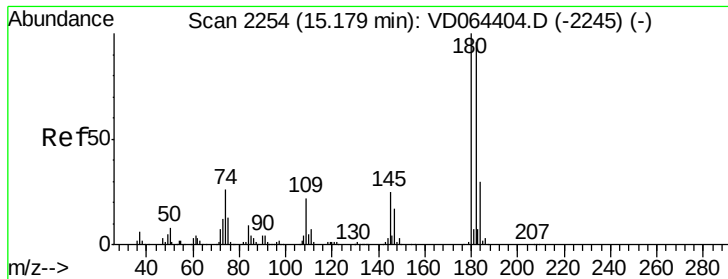
Acq: 05 Dec 2019 20:22

Tgt Ion:	75	Resp:	33986
Ion Ratio	Lower	Upper	
75	100		
155	97.7	51.9	155.7
157	119.9	63.2	189.8



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





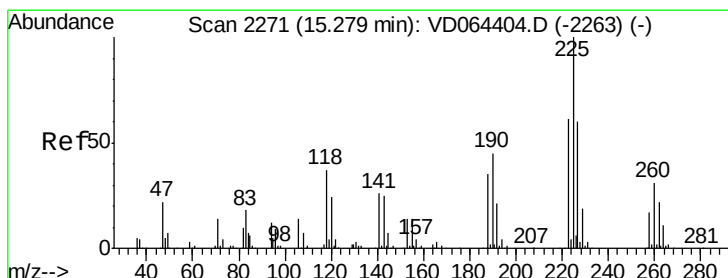
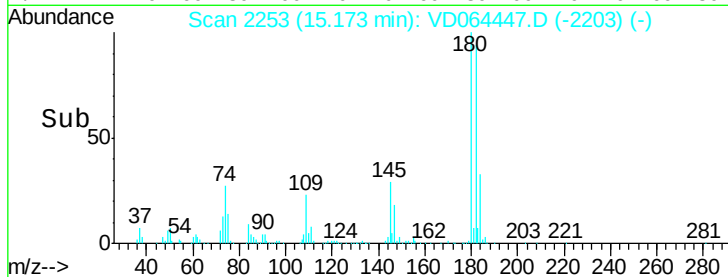
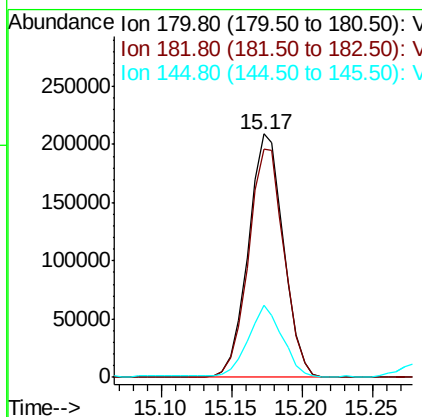
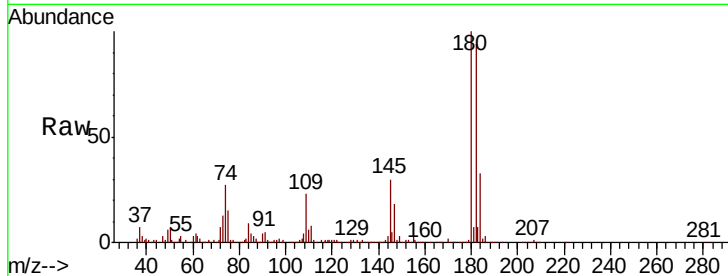
#93
 1,2,4-Trichlorobenzene
 Concen: 43.262 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD064447.D
 Acq: 05 Dec 2019 20:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.2	47.4	142.3	
145	29.0	14.0	41.9	

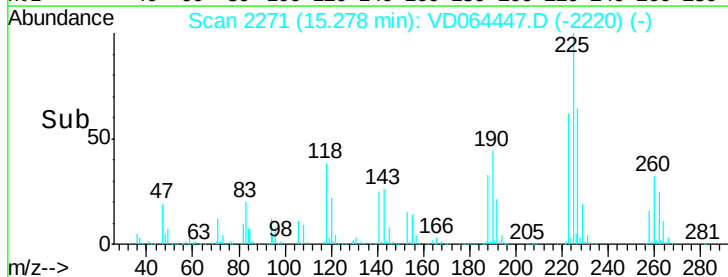
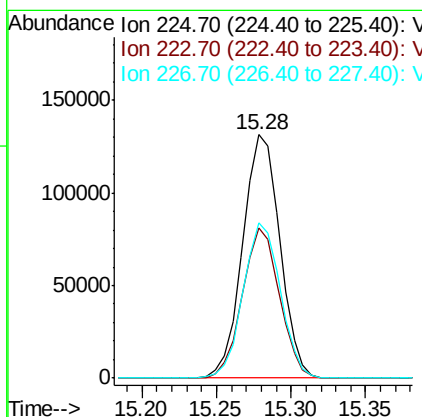
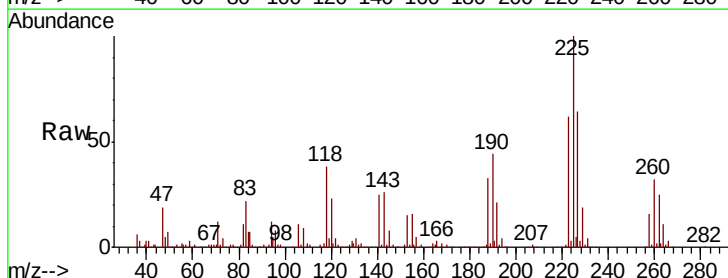
Manual Integrations
 APPROVED

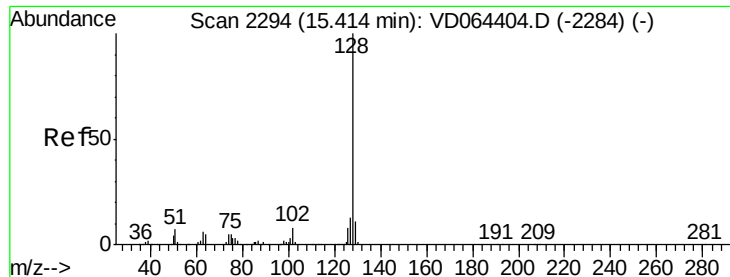
apatel
 12/6/2019 12:59:19 PM



#94
 Hexachlorobutadiene
 Concen: 43.504 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VD064447.D
 Acq: 05 Dec 2019 20:22

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.5	31.1	93.3	
227	63.9	31.8	95.4	





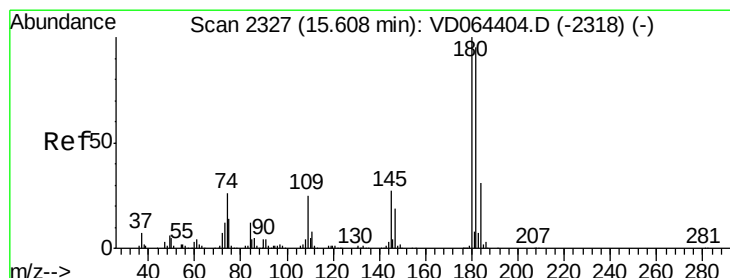
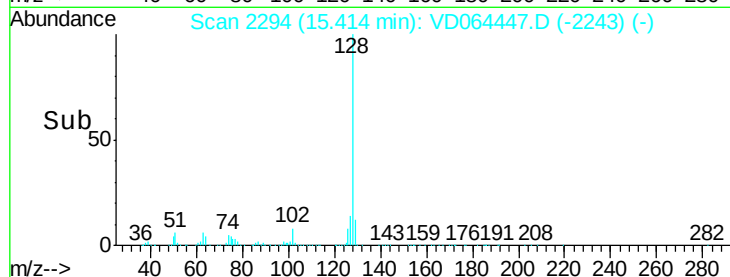
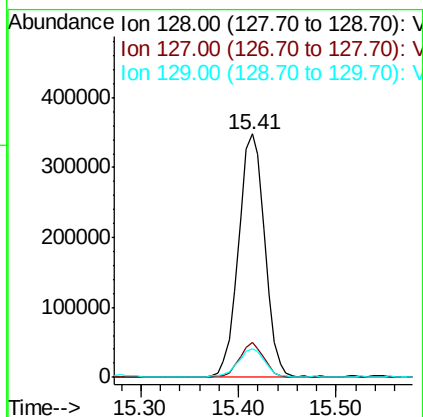
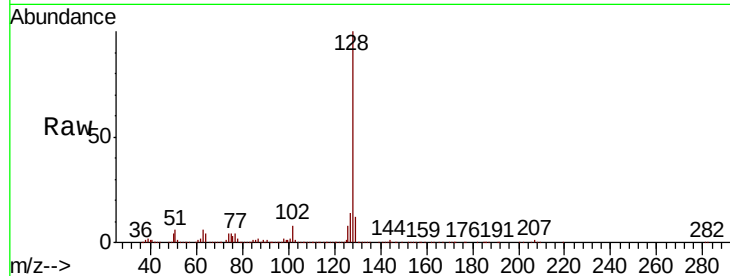
#95
Naphthalene
Concen: 45.968 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VD064447.D
Acq: 05 Dec 2019 20:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.5	15.7
129	11.9	8.8	13.2

Manual Integrations
APPROVED

apatel
12/6/2019 12:59:19 PM



#96
1,2,3-Trichlorobenzene
Concen: 45.489 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD064447.D
Acq: 05 Dec 2019 20:22

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.3	47.6	142.9
145	31.5	14.6	43.8

