

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121119\
 Data File : VD064495.D
 Acq On : 11 Dec 2019 12:25
 Operator : VA/SY
 Sample : VD1211SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1211SBS01

Manual Integrations
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apatel
 12/12/2019 10:29:03 AM

Quant Time: Dec 12 03:14:09 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	419255	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	619084	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	555982	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	263558	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	205154	54.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.12%	
35) Dibromofluoromethane	7.92	113	214807	55.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.14%	
50) Toluene-d8	10.34	98	839166	57.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.22%	
62) 4-Bromofluorobenzene	12.64	95	260002	55.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	80334	21.147	ug/l	97
3) Chloromethane	2.21	50	104092	21.725	ug/l	98
4) Vinyl Chloride	2.35	62	118739	21.463	ug/l	99
5) Bromomethane	2.76	94	84360	20.620	ug/l	89
6) Chloroethane	2.92	64	82002	22.176	ug/l	94
7) Trichlorofluoromethane	3.27	101	204235	22.207	ug/l	99
8) Diethyl Ether	3.70	74	39100	20.459	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	88559	22.458	ug/l	96
10) Methyl Iodide	4.30	142	81438	19.556	ug/l	96
11) Tert butyl alcohol	5.24	59	22332	92.448	ug/l #	100
12) 1,1-Dichloroethene	4.06	96	79861	21.133	ug/l	93
13) Acrolein	3.92	56	27034	82.049	ug/l	97
14) Allyl chloride	4.71	41	124467	21.105	ug/l	98
15) Acrylonitrile	5.43	53	79264	94.846	ug/l	99
16) Acetone	4.17	43	73722	96.134	ug/l	95
17) Carbon Disulfide	4.40	76	256445	21.427	ug/l	99
18) Methyl Acetate	4.72	43	42127	18.833	ug/l	96
19) Methyl tert-butyl Ether	5.49	73	170971	19.724	ug/l	97
20) Methylene Chloride	4.96	84	98638	22.905	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	92790	21.707	ug/l	94
22) Diisopropyl ether	6.37	45	243511	20.916	ug/l	96
23) Vinyl Acetate	6.31	43	668957	97.464	ug/l	98
24) 1,1-Dichloroethane	6.26	63	151261	21.604	ug/l	99
25) 2-Butanone	7.23	43	102353	94.377	ug/l	96
26) 2,2-Dichloropropane	7.21	77	136955	22.492	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	97546	20.931	ug/l	97
28) Bromochloromethane	7.55	49	42204	17.638	ug/l	96
29) Tetrahydrofuran	7.57	42	62925	91.197	ug/l	98
30) Chloroform	7.71	83	154899	21.362	ug/l	98
31) Cyclohexane	7.98	56	146453	21.327	ug/l #	90
32) 1,1,1-Trichloroethane	7.90	97	146611	21.808	ug/l	99
36) 1,1-Dichloropropene	8.11	75	125025	21.351	ug/l	99
37) Ethyl Acetate	7.30	43	47992	19.315	ug/l	99
38) Carbon Tetrachloride	8.09	117	136855	22.144	ug/l	95

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	152099	20.940	ug/l	98
40) Benzene	8.35	78	338773	20.830	ug/l	98
41) Methacrylonitrile	7.53	41	27977	19.634	ug/l	90
42) 1,2-Dichloroethane	8.43	62	96508	20.348	ug/l	98
43) Isopropyl Acetate	8.46	43	90505	18.526	ug/l	98
44) Trichloroethene	9.11	130	98681	20.143	ug/l	95
45) 1,2-Dichloropropane	9.38	63	81494	20.952	ug/l	100
46) Dibromomethane	9.47	93	44227	20.146	ug/l	98
47) Bromodichloromethane	9.66	83	118429	20.995	ug/l	100
48) Methyl methacrylate	9.46	41	41940	18.761	ug/l	95
49) 1,4-Dioxane	9.47	88	10427	384.640	ug/l	99
51) 4-Methyl-2-Pentanone	10.23	43	221247	91.529	ug/l	100
52) Toluene	10.40	92	224103	21.143	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	107729	20.040	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	131714	20.625	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	60185	20.022	ug/l	94
56) Ethyl methacrylate	10.66	69	70660	18.430	ug/l	99
57) 1,3-Dichloropropane	10.94	76	104164	20.357	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.94	63	158964	104.010	ug/l	98
59) 2-Hexanone	10.98	43	150092	89.485	ug/l	99
60) Dibromochloromethane	11.14	129	81790	20.068	ug/l	99
61) 1,2-Dibromoethane	11.25	107	57011	18.995	ug/l	99
64) Tetrachloroethene	10.87	164	87303	20.591	ug/l	97
65) Chlorobenzene	11.67	112	233993	20.179	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	88170	20.540	ug/l	98
67) Ethyl Benzene	11.74	91	419811	20.348	ug/l	99
68) m/p-Xylenes	11.86	106	324144	41.204	ug/l	99
69) o-Xylene	12.18	106	145449	20.019	ug/l	98
70) Styrene	12.20	104	253227	20.057	ug/l	99
71) Bromoform	12.36	173	47013	18.305	ug/l #	99
73) Isopropylbenzene	12.48	105	404664	21.348	ug/l	100
74) N-amyl acetate	12.29	43	81400	18.921	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.73	83	60289	19.233	ug/l	96
76) 1,2,3-Trichloropropane	12.78	75	43696m	20.160	ug/l	
77) Bromobenzene	12.76	156	99992	21.361	ug/l	97
78) n-propylbenzene	12.82	91	472312	21.596	ug/l	100
79) 2-Chlorotoluene	12.91	91	255010	21.190	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	330762	21.353	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	19740	19.859	ug/l	98
82) 4-Chlorotoluene	13.01	91	271131	21.279	ug/l	100
83) tert-Butylbenzene	13.23	119	292166	21.695	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	326475	20.960	ug/l	99
85) sec-Butylbenzene	13.41	105	393389	21.284	ug/l	100
86) p-Isopropyltoluene	13.52	119	367278	21.048	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	185629	20.894	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	183862	20.961	ug/l	100
89) n-Butylbenzene	13.85	91	336241	21.219	ug/l	98
90) Hexachloroethane	14.12	117	71722	21.975	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	155746	20.512	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	10161	18.976	ug/l	88

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ClientSampleId :
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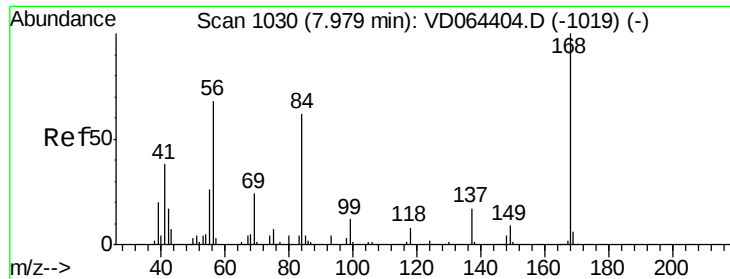
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	120085	20.651	ug/l	97
94) Hexachlorobutadiene	15.28	225	76163	21.217	ug/l	97
95) Naphthalene	15.41	128	176287	18.166	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	99827	20.112	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD064495.D

Acq: 11 Dec 2019 12:25

Instrument :

MSVOA_D

ClientSampleId :

VD1211SBS01

Tot Ion:168 Resp: 419255

Ion Ratio Lower Upper

168 100

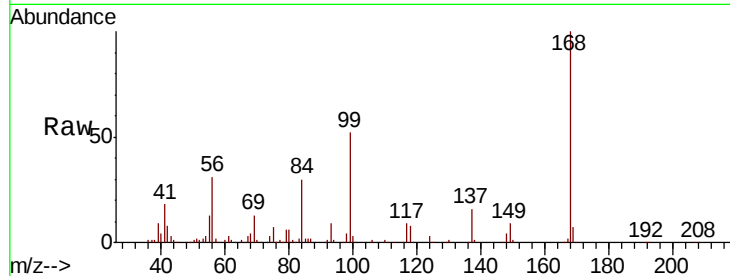
99 51.6 40.7 61.1

Manual Integrations

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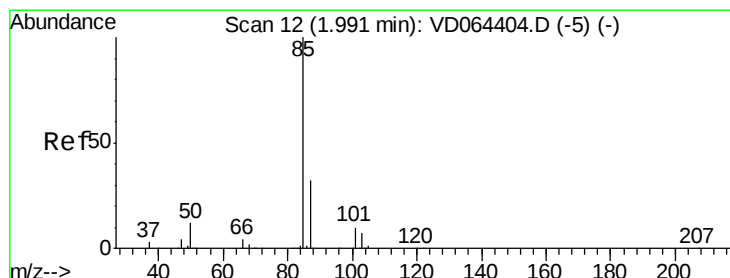
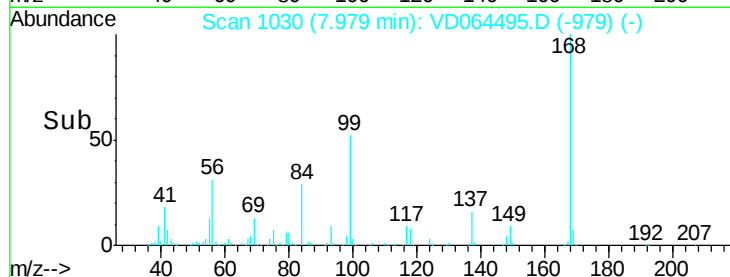
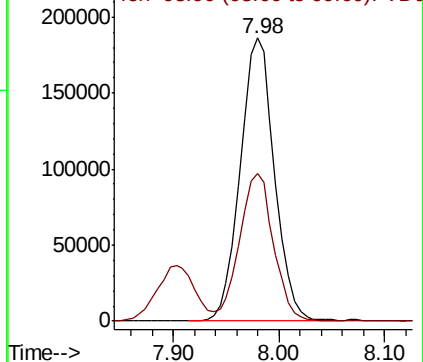
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 21.147 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064495.D

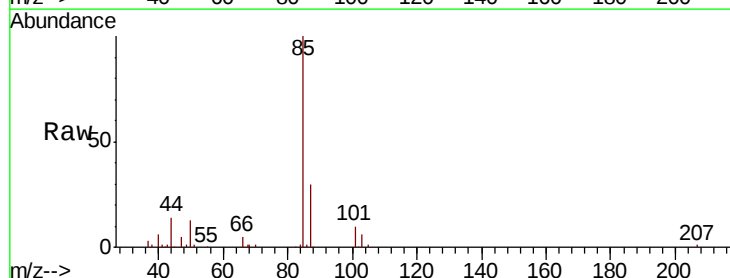
Acq: 11 Dec 2019 12:25

Tgt Ion: 85 Resp: 80334

Ion Ratio Lower Upper

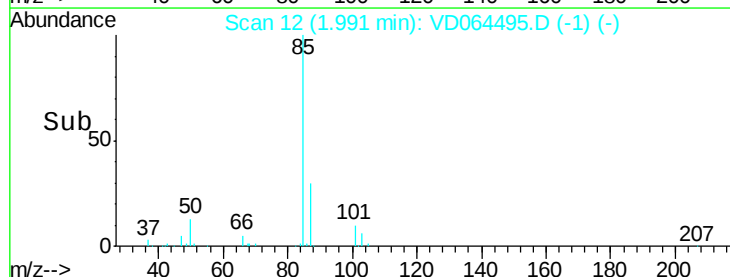
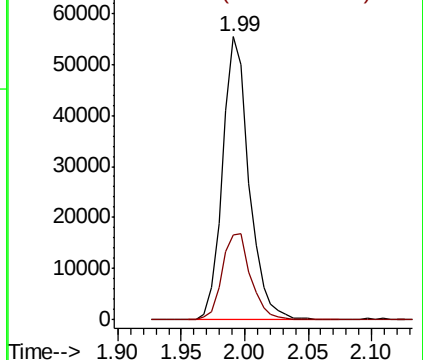
85 100

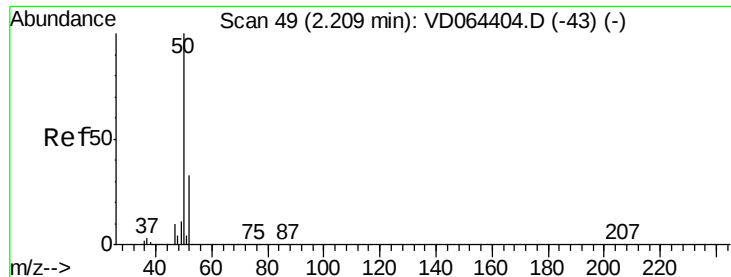
87 30.2 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 21.725 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064495.D

Acq: 11 Dec 2019 12:25

Instrument :

MSVOA_D

ClientSampleId :

VD1211SBS01

Tot Ion: 50 Resp: 104092

Ion Ratio Lower Upper

50 100

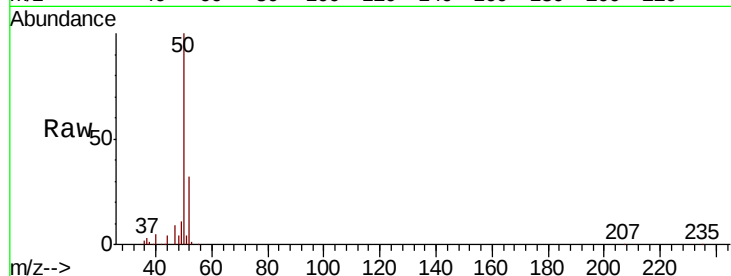
52 32.4 26.7 40.1

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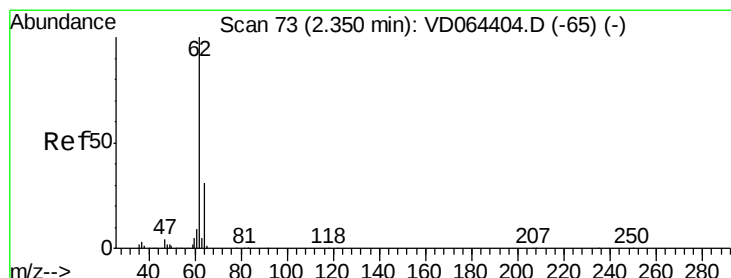
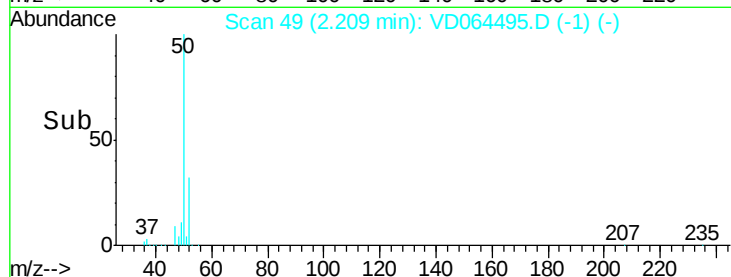
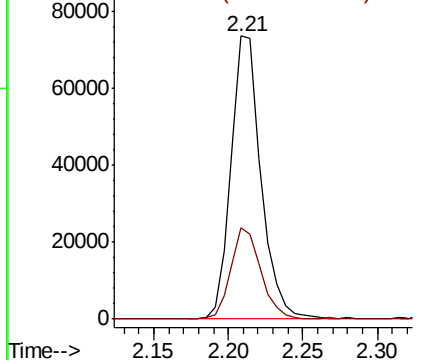
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 21.463 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064495.D

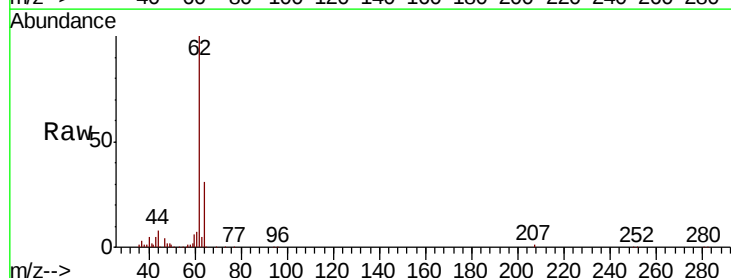
Acq: 11 Dec 2019 12:25

Tgt Ion: 62 Resp: 118739

Ion Ratio Lower Upper

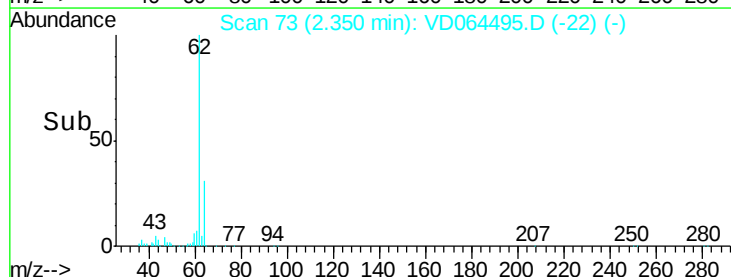
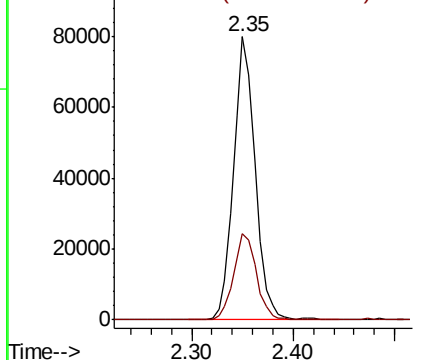
62 100

64 30.6 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 20.620 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD064495.D

Acq: 11 Dec 2019 12:25

Instrument :

MSVOA_D

ClientSampleId :

VD1211SBS01

Tot Ion: 94 Resp: 84360

Ion Ratio Lower Upper

94 100

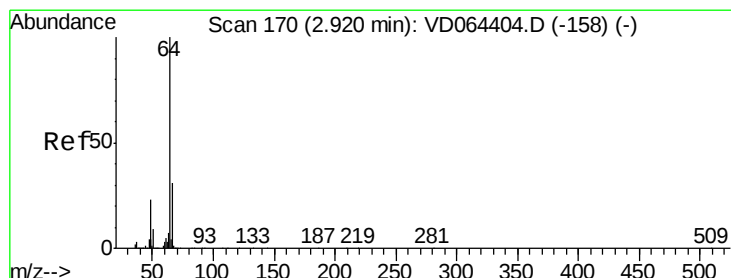
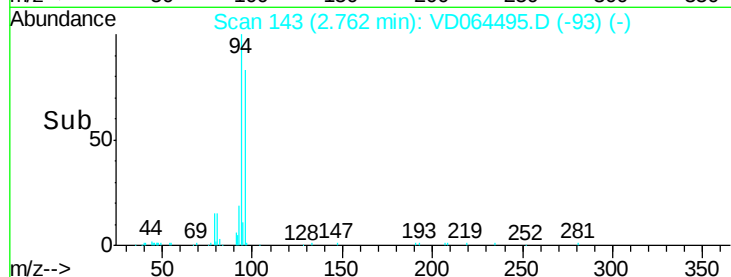
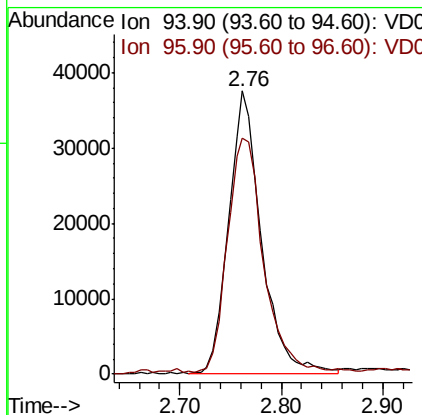
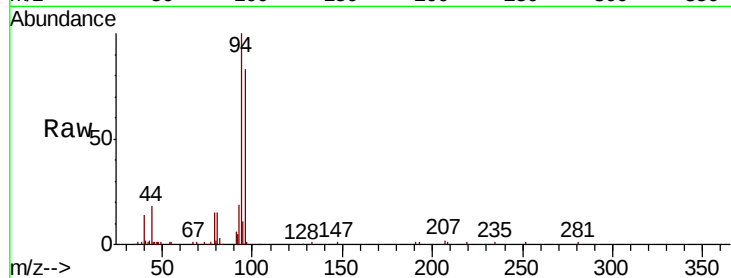
96 81.9 73.6 110.4

Manual Integrations

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#6

Chloroethane

Concen: 22.176 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064495.D

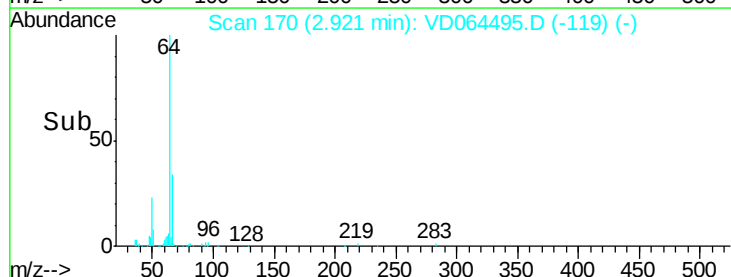
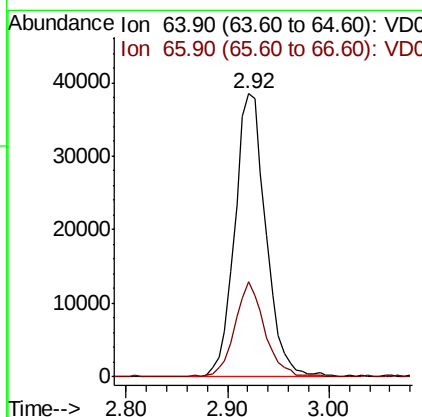
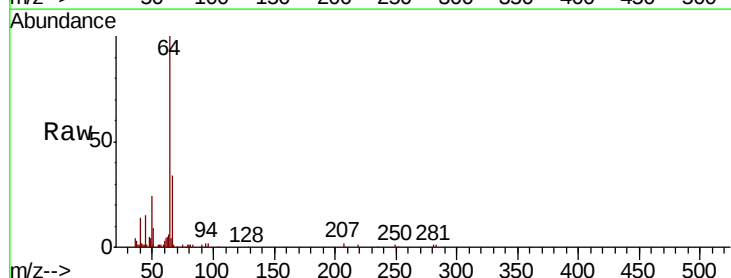
Acq: 11 Dec 2019 12:25

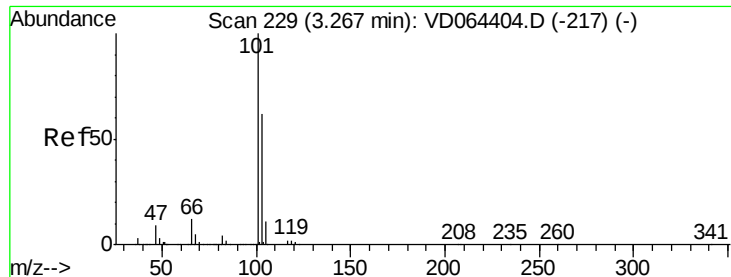
Tgt Ion: 64 Resp: 82002

Ion Ratio Lower Upper

64 100

66 33.8 24.6 37.0





#7

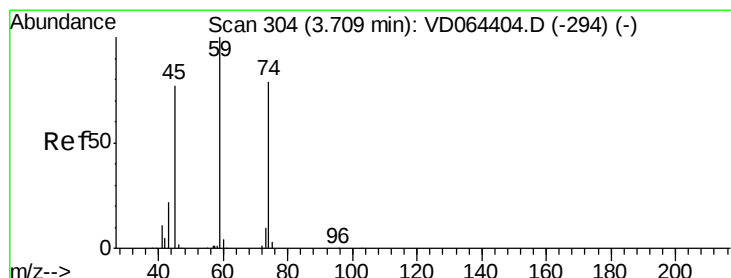
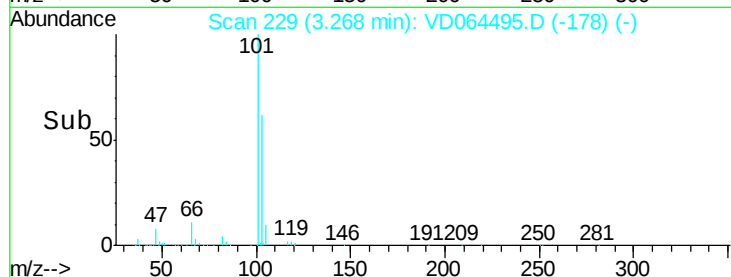
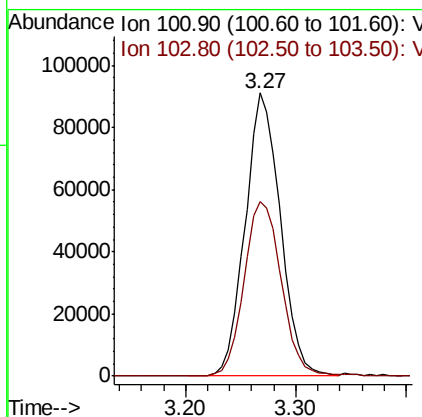
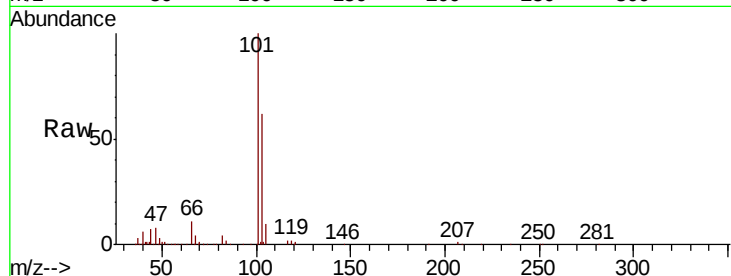
Trichlorofluoromethane
Concen: 22.207 ug/l
RT: 3.27 min Scan# 229
Delta R.T. 0.00 min
Lab File: VD064495.D
Acq: 11 Dec 2019 12:25

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VD1211SBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	204235		
103	61.7	49.8	74.6	

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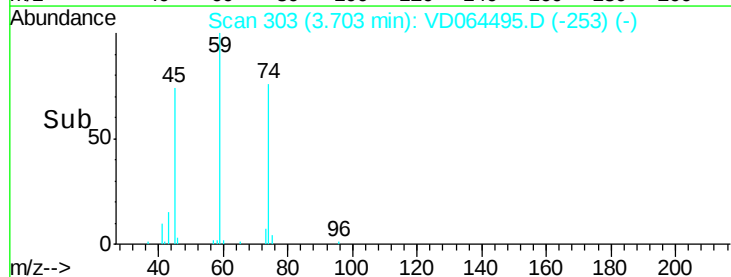
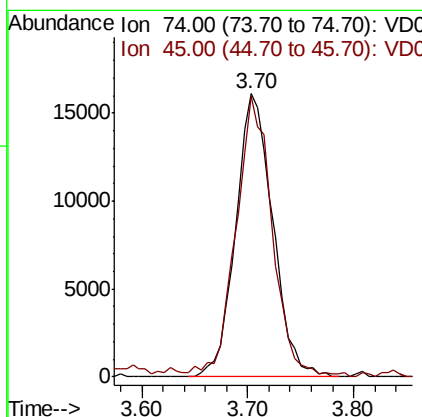
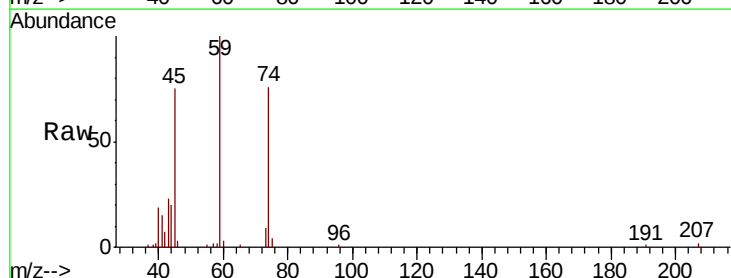
apatel
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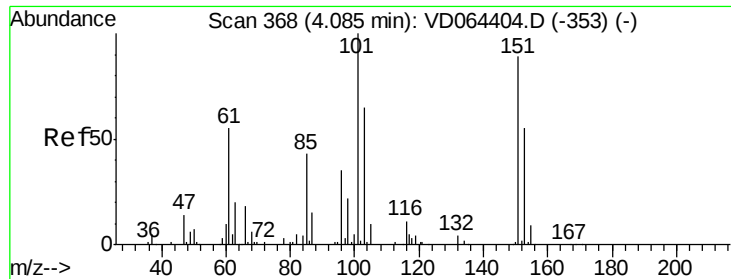


#8

Diethyl Ether
Concen: 20.459 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD064495.D
Acq: 11 Dec 2019 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	39100		
45	98.0	48.6	145.9	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.458 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD064495.D

Acq: 11 Dec 2019 12:25

Instrument :

MSVOA_D

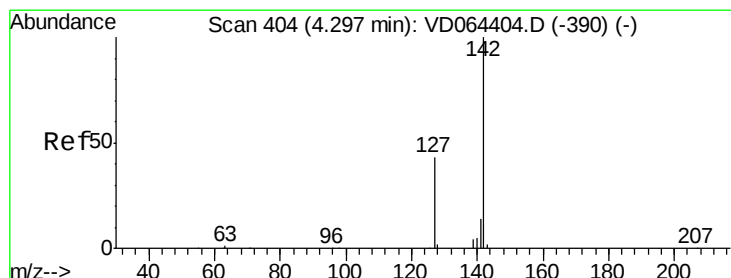
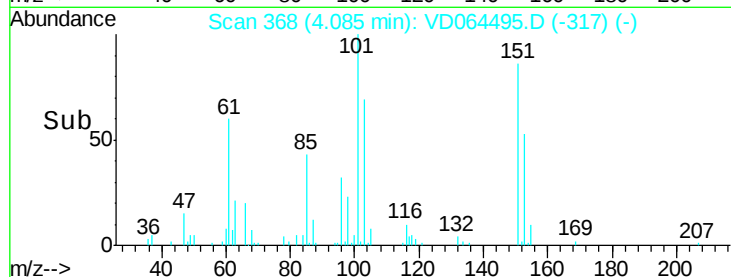
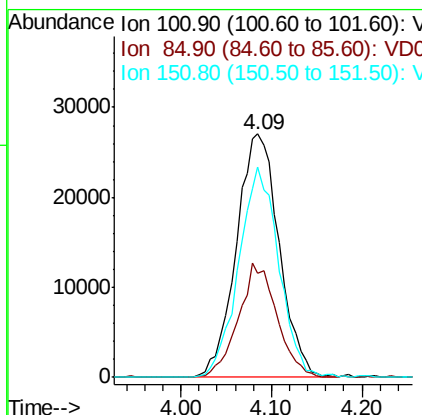
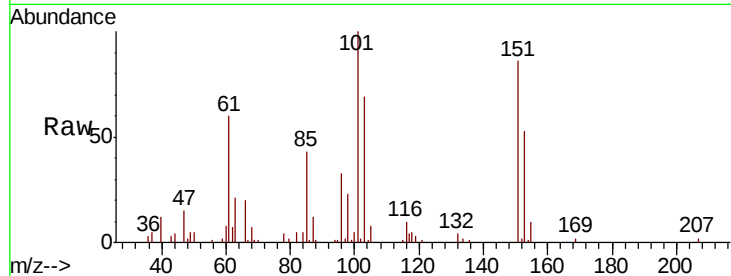
ClientSampleId :

VD1211SBS01

Tot Ion:	101	Resp:	88559
Ion Ratio	Lower	Upper	
101	100		
85	42.2	34.8	52.2
151	81.2	68.8	103.2

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#10

Methyl Iodide

Concen: 19.556 ug/l

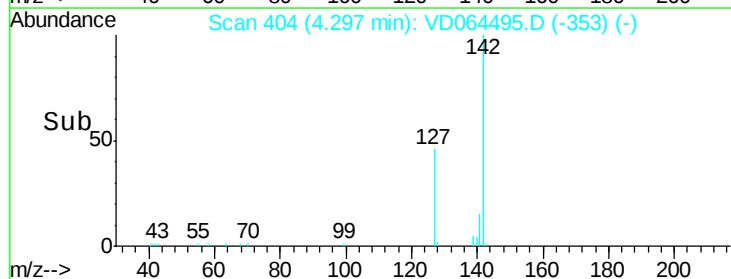
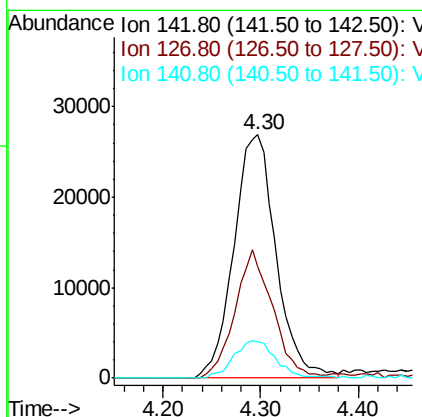
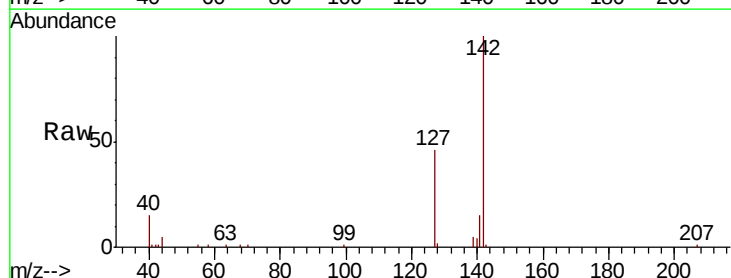
RT: 4.30 min Scan# 404

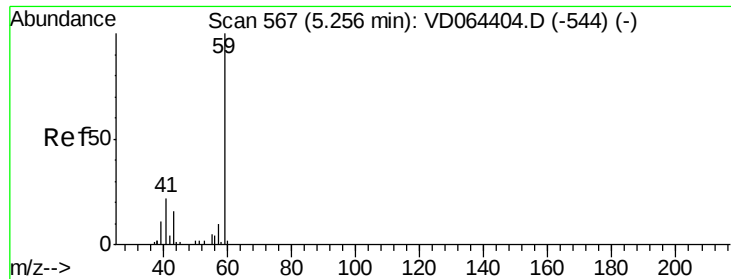
Delta R.T. 0.00 min

Lab File: VD064495.D

Acq: 11 Dec 2019 12:25

Tgt Ion:	142	Resp:	81438
Ion Ratio	Lower	Upper	
142	100		
127	46.9	35.3	52.9
141	15.6	11.6	17.4





#11

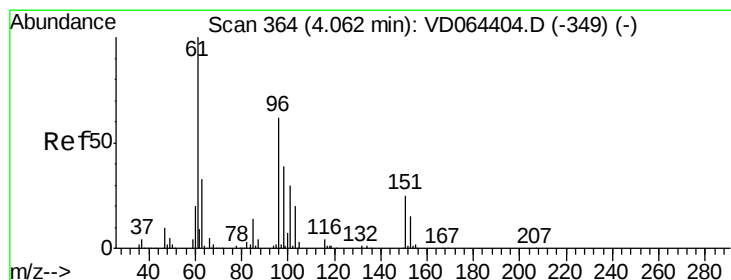
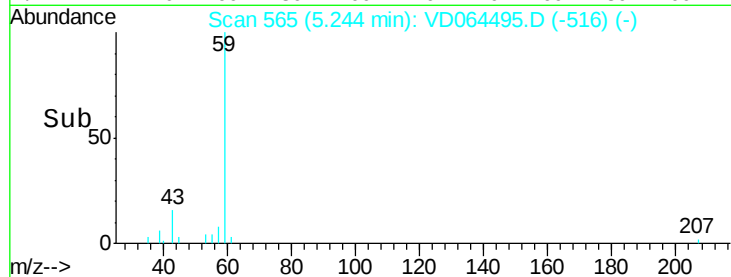
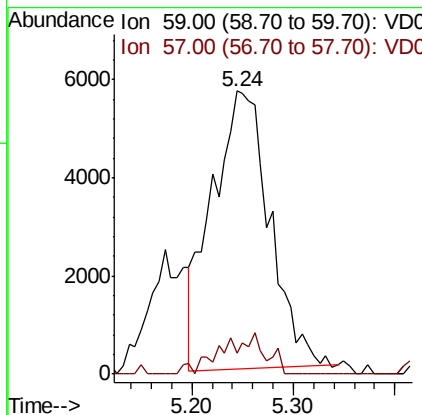
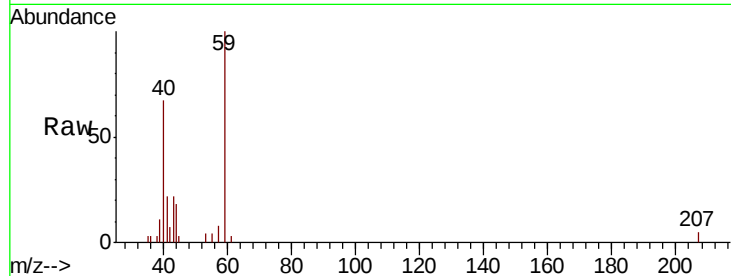
Tert butyl alcohol
Concen: 92.448 ug/l
RT: 5.24 min Scan# 565
Delta R.T. -0.01 min
Lab File: VD064495.D
Acq: 11 Dec 2019 12:25

Instrument :
MSVOA_D
ClientSampleId :
VD1211SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	100		22332		
57	0.0		0.0	0.0	0.0

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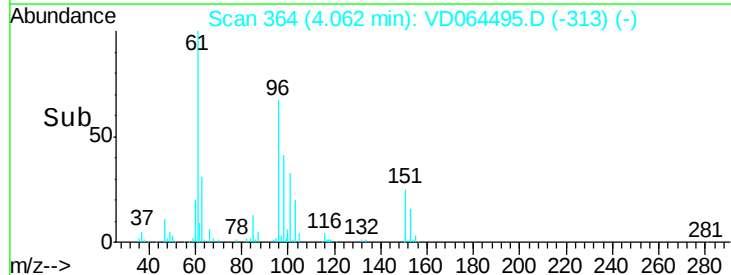
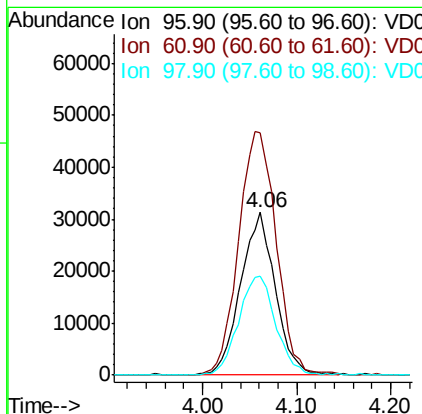
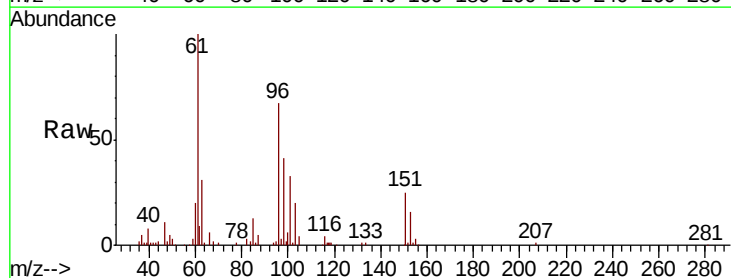
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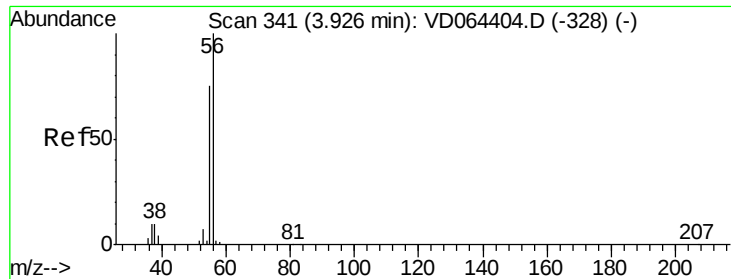


#12

1,1-Dichloroethene
Concen: 21.133 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD064495.D
Acq: 11 Dec 2019 12:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	100		79861		
61	148.9		128.2	192.4	
98	61.0		50.4	75.6	





#13

Acrolein

Concen: 82.049 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064495.D

Acq: 11 Dec 2019 12:25

Instrument :

MSVOA_D

ClientSampleId :

VD1211SBS01

Tot Ion: 56 Resp: 27034

Ion Ratio Lower Upper

56 100

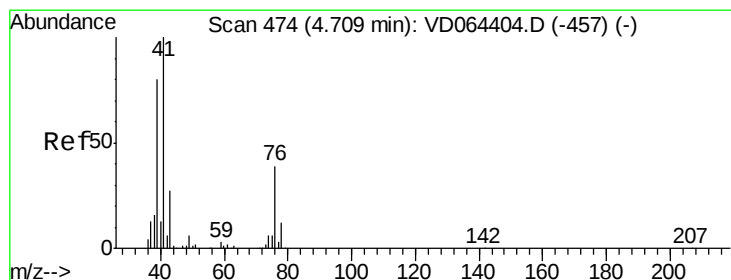
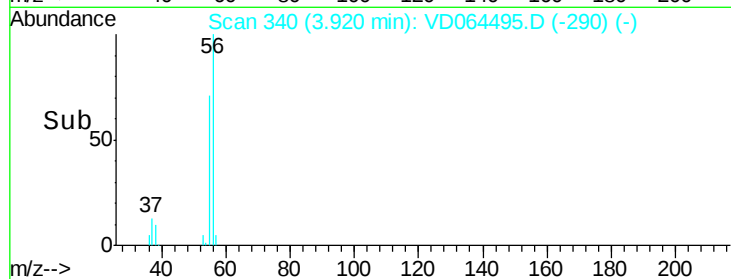
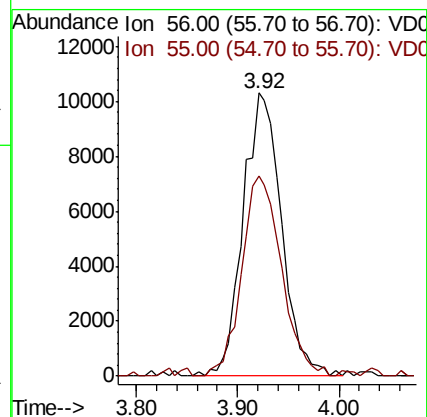
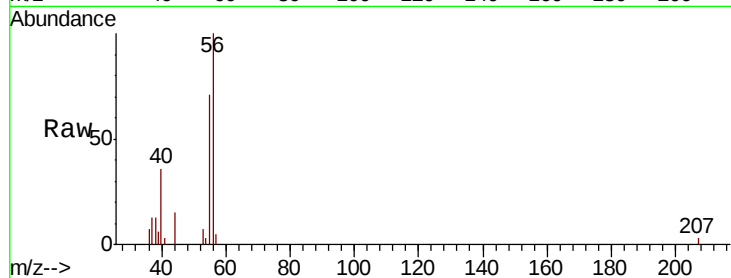
55 73.3 56.9 85.3

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#14

Allyl chloride

Concen: 21.105 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD064495.D

Acq: 11 Dec 2019 12:25

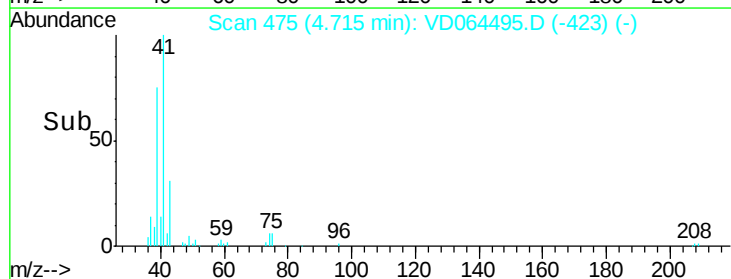
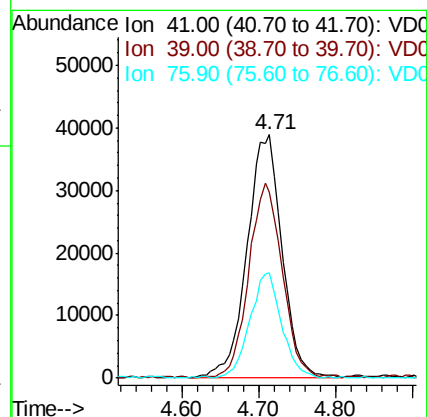
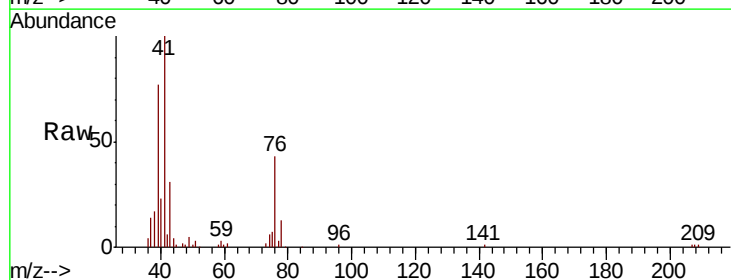
Tgt Ion: 41 Resp: 124467

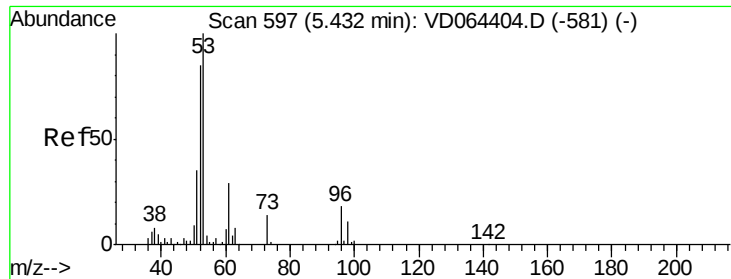
Ion Ratio Lower Upper

41 100

39 76.5 62.1 93.1

76 39.1 29.8 44.8





#15

Acrylonitrile

Concen: 94.846 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD064495.D

Acq: 11 Dec 2019 12:25

Instrument :

MSVOA_D

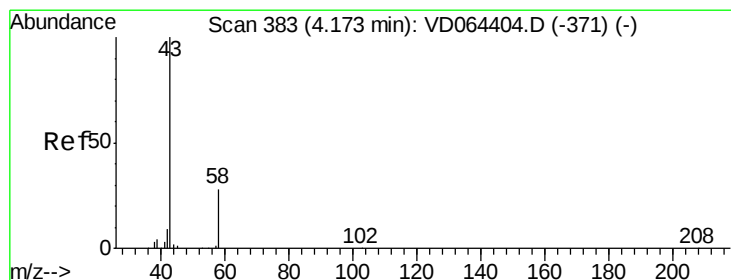
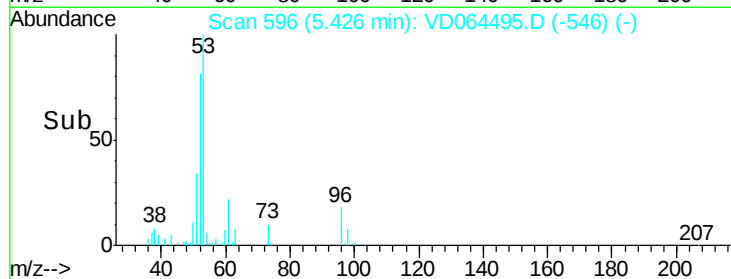
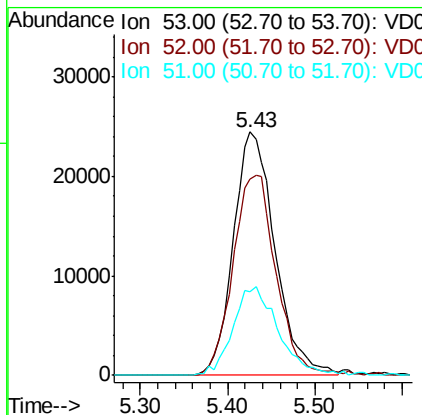
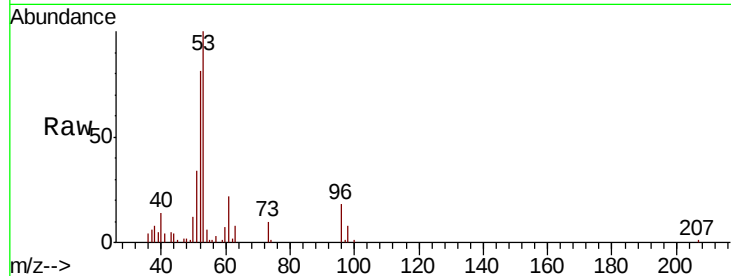
ClientSampleId :

VD1211SBS01

Tot Ion:	53	Resp:	79264
Ion	Ratio	Lower	Upper
53	100		
52	84.8	67.9	101.9
51	39.3	30.6	45.8

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#16

Acetone

Concen: 96.134 ug/l

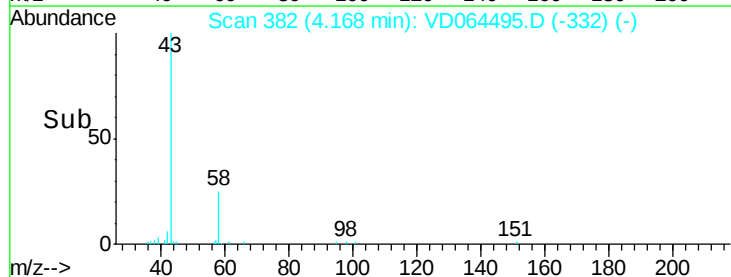
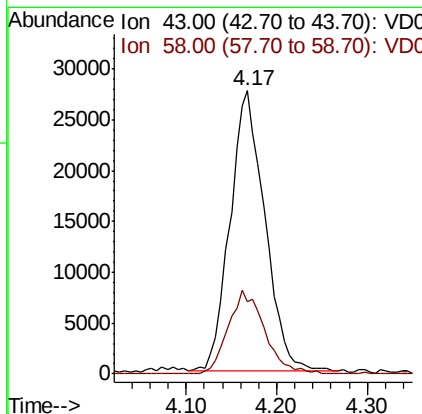
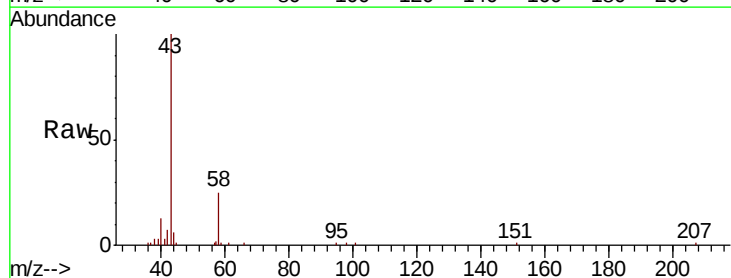
RT: 4.17 min Scan# 382

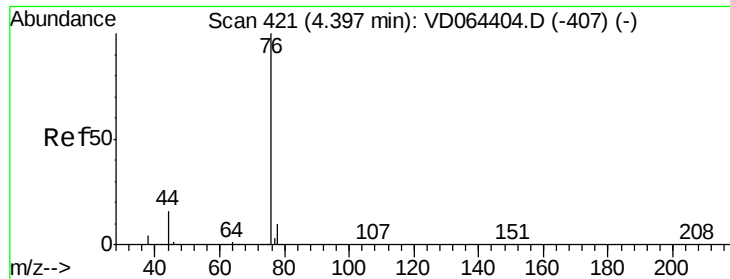
Delta R.T. -0.01 min

Lab File: VD064495.D

Acq: 11 Dec 2019 12:25

Tgt Ion:	43	Resp:	73722
Ion	Ratio	Lower	Upper
43	100		
58	25.5	22.6	33.8





#17

Carbon Disulfide

Concen: 21.427 ug/l

RT: 4.40 min Scan# 421

Delta R.T. 0.00 min

Lab File: VD064495.D

Acq: 11 Dec 2019 12:25

Instrument :

MSVOA_D

ClientSampleId :

VD1211SBS01

Tot Ion: 76 Resp: 256445

Ion Ratio Lower Upper

76 100

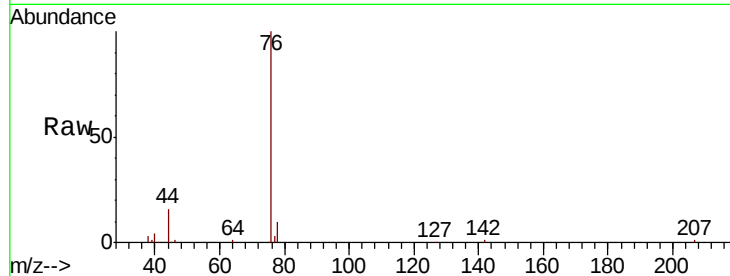
78 10.1 7.8 11.8

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.40

80000

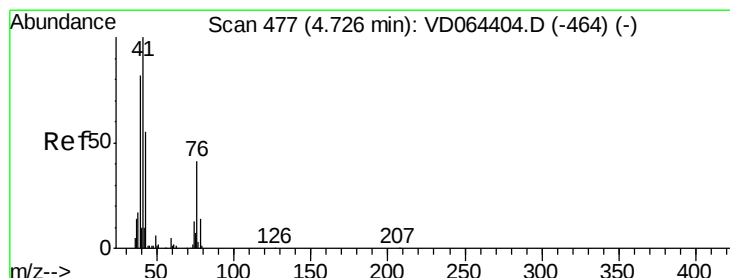
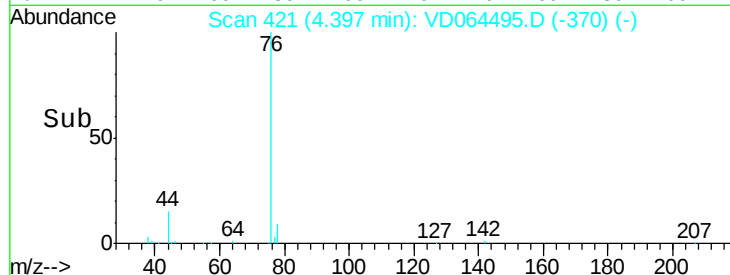
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 18.833 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.01 min

Lab File: VD064495.D

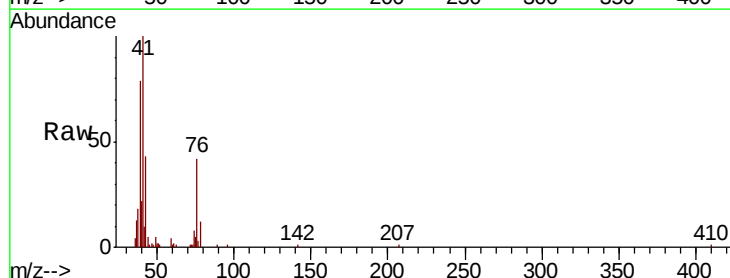
Acq: 11 Dec 2019 12:25

Tgt Ion: 43 Resp: 42127

Ion Ratio Lower Upper

43 100

74 22.8 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.72

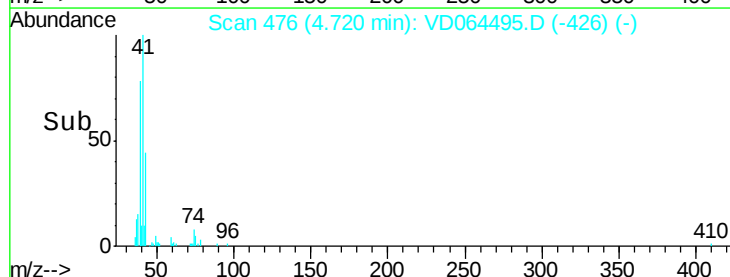
15000

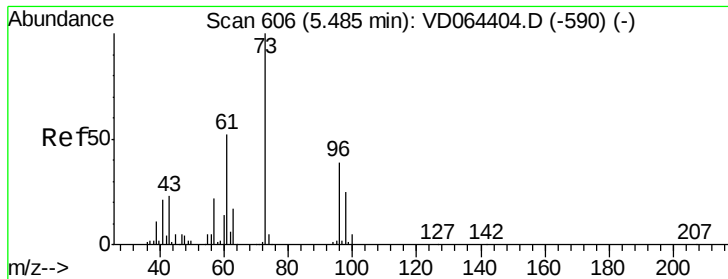
10000

5000

0

Time-->





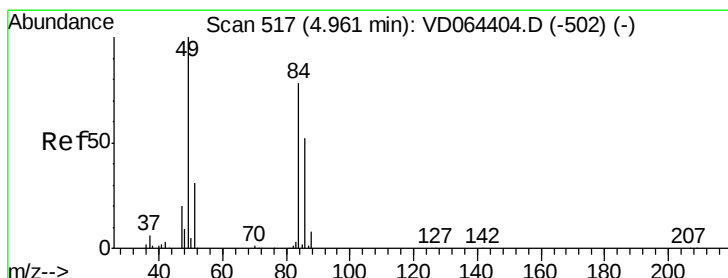
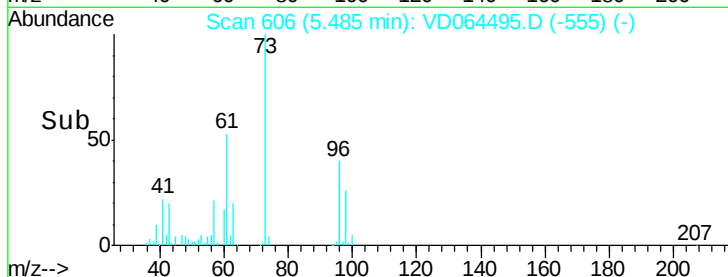
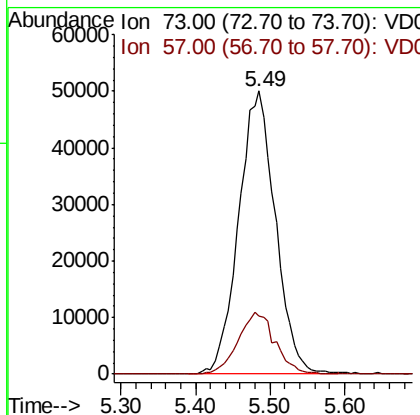
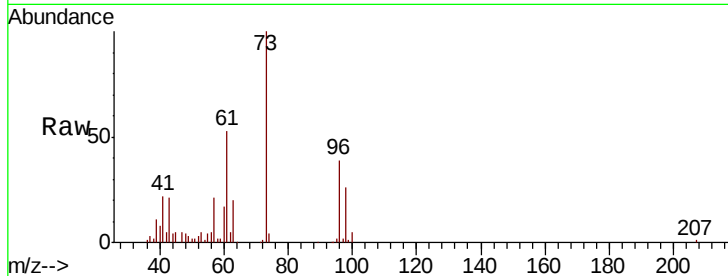
#19
Methyl tert-butyl Ether
Concen: 19.724 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.00 min
Lab File: VD064495.D
Acq: 11 Dec 2019 12:25

Instrument :
MSVOA_D
ClientSampleId :
VD1211SBS01

Tot Ion: 73 Resp: 170971
Ion Ratio Lower Upper
73 100
57 20.7 17.6 26.4

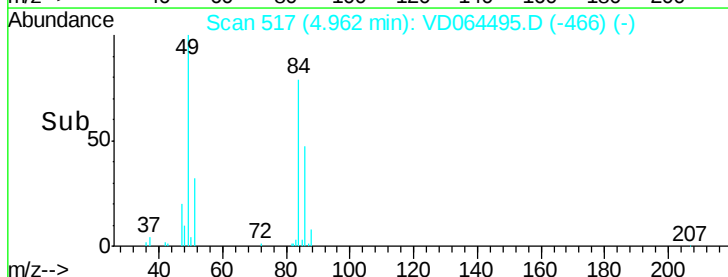
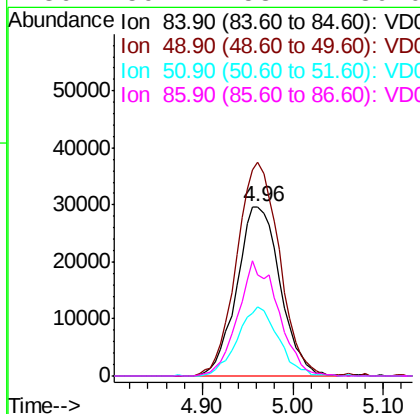
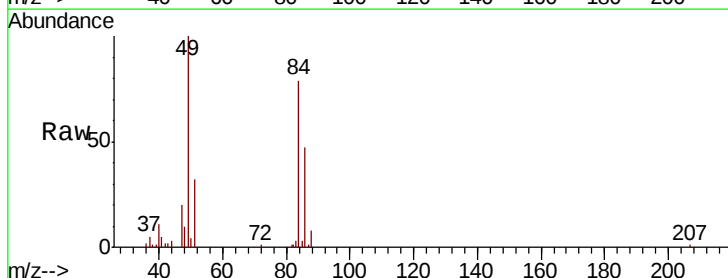
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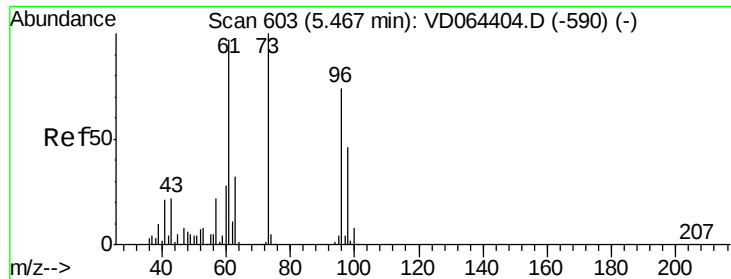
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#20
Methylene Chloride
Concen: 22.905 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064495.D
Acq: 11 Dec 2019 12:25

Tgt Ion: 84 Resp: 98638
Ion Ratio Lower Upper
84 100
49 126.0 102.6 153.8
51 40.4 32.0 48.0
86 59.7 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 21.707 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.00 min

Lab File: VD064495.D

Acq: 11 Dec 2019 12:25

Instrument :

MSVOA_D

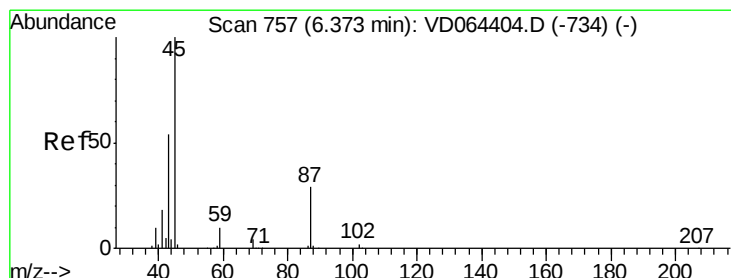
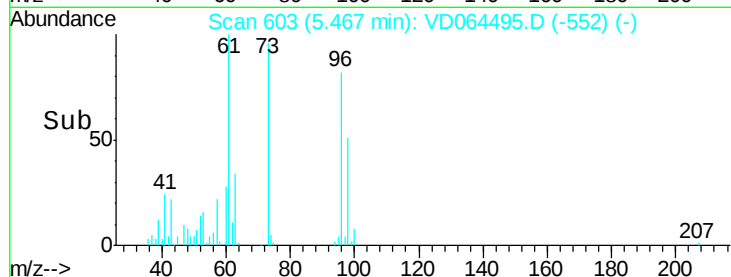
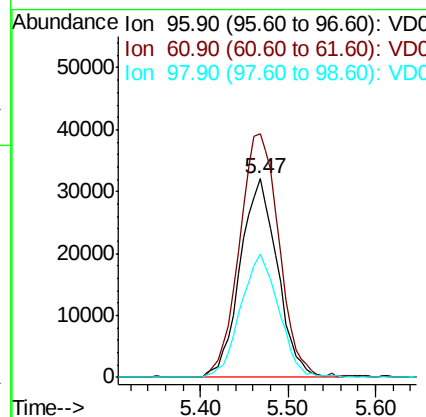
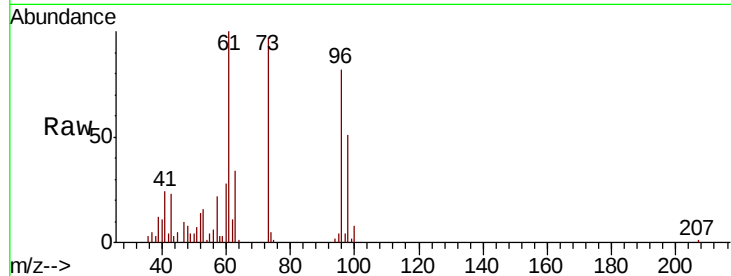
ClientSampleId :

VD1211SBS01

Tot Ion:	96	Resp:	92790
Ion	Ratio	Lower	Upper
96	100		
61	122.6	105.8	158.6
98	61.9	50.1	75.1

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#22

Diisopropyl ether

Concen: 20.916 ug/l

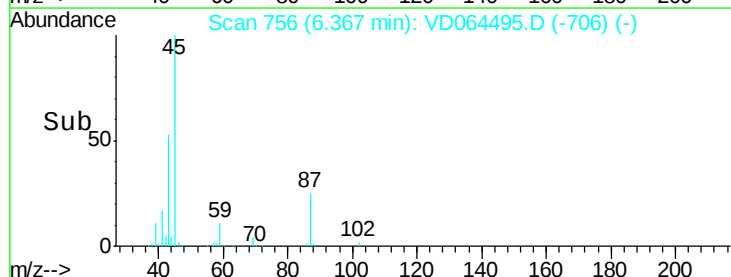
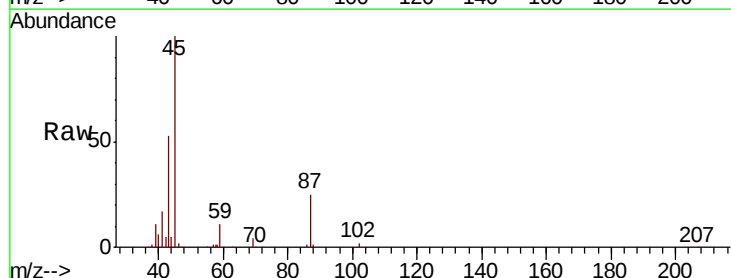
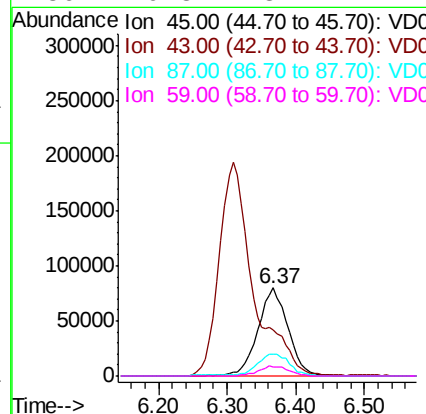
RT: 6.37 min Scan# 756

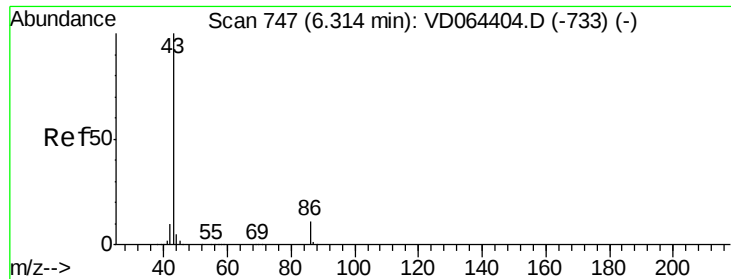
Delta R.T. -0.01 min

Lab File: VD064495.D

Acq: 11 Dec 2019 12:25

Tgt Ion:	45	Resp:	243511
Ion	Ratio	Lower	Upper
45	100		
43	51.7	43.1	64.7
87	25.1	23.5	35.3
59	10.8	8.2	12.2





#23

Vinyl Acetate

Concen: 97.464 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064495.D

Acq: 11 Dec 2019 12:25

Instrument :

MSVOA_D

ClientSampleId :

VD1211SBS01

Tot Ion: 43 Resp: 668957

Ion Ratio Lower Upper

43 100

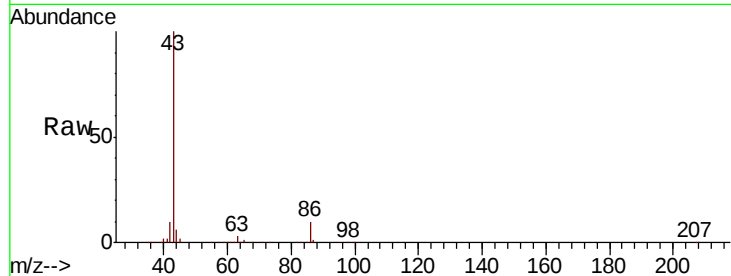
86 10.4 8.9 13.3

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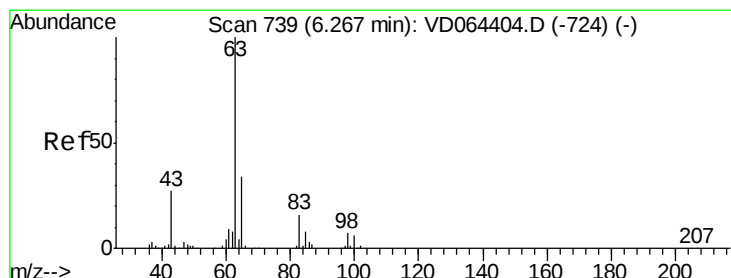
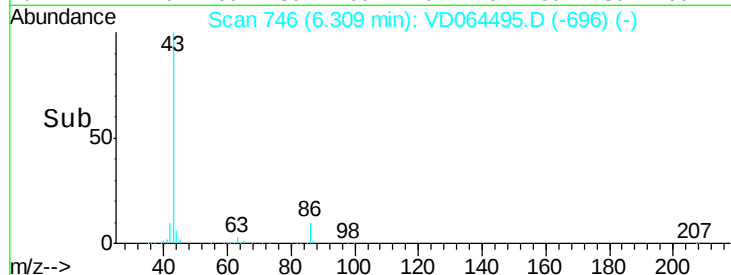
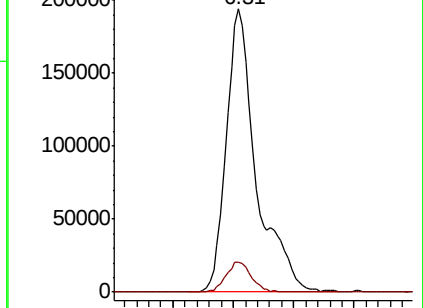
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 21.604 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD064495.D

Acq: 11 Dec 2019 12:25

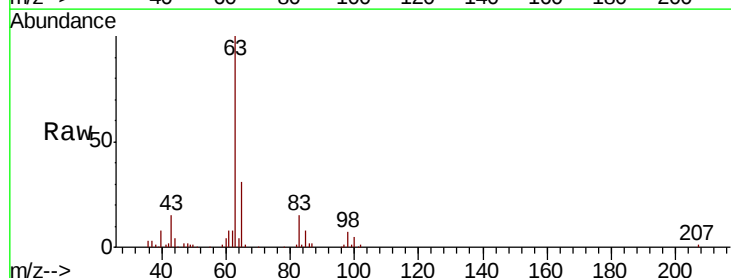
Tgt Ion: 63 Resp: 151261

Ion Ratio Lower Upper

63 100

98 7.2 3.6 10.9

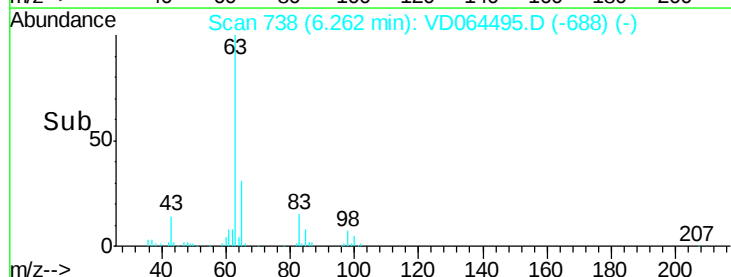
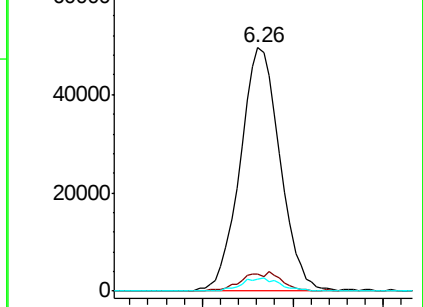
100 4.9 2.9 8.6

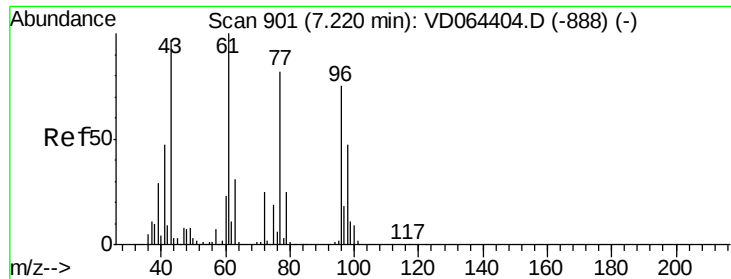


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 94.377 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD064495.D

Acq: 11 Dec 2019 12:25

Instrument :

MSVOA_D

ClientSampleId :

VD1211SBS01

Tot Ion: 43 Resp: 102353

Ion Ratio Lower Upper

43 100

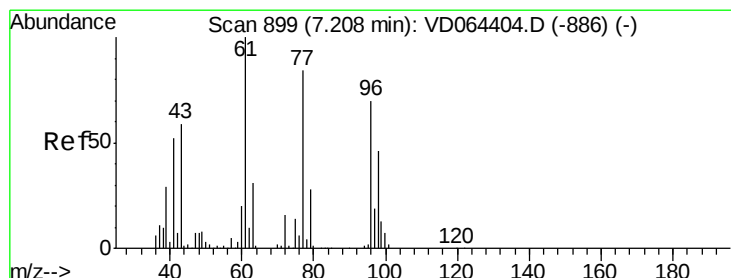
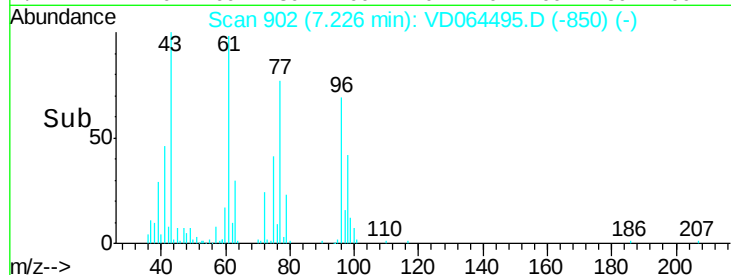
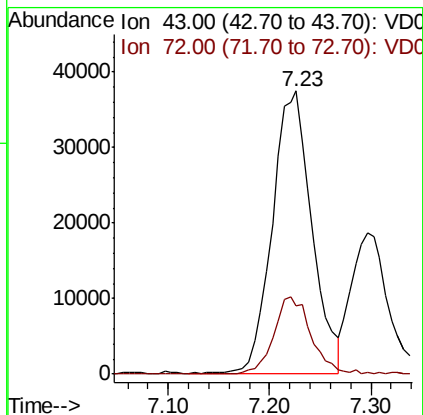
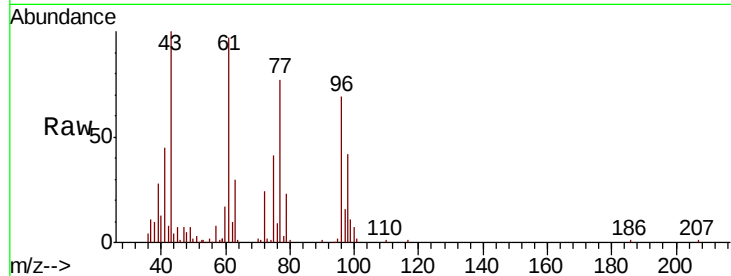
72 24.1 21.0 31.4

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#26

2,2-Dichloropropane

Concen: 22.492 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD064495.D

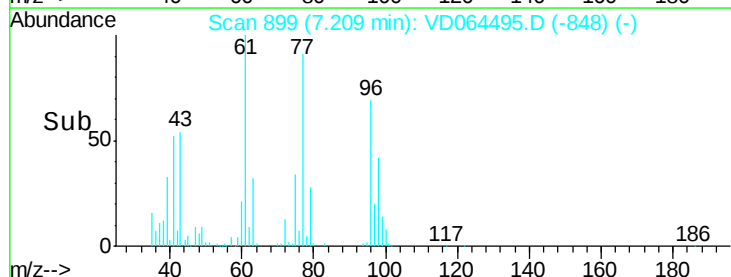
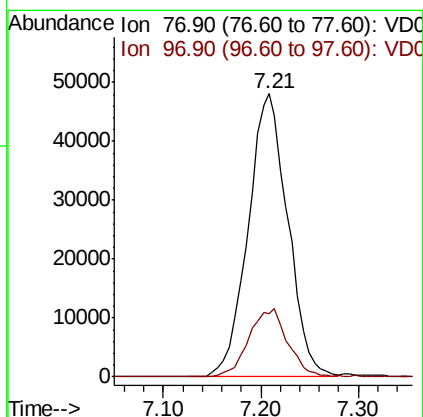
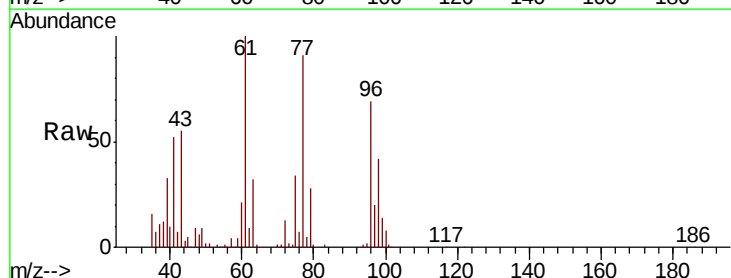
Acq: 11 Dec 2019 12:25

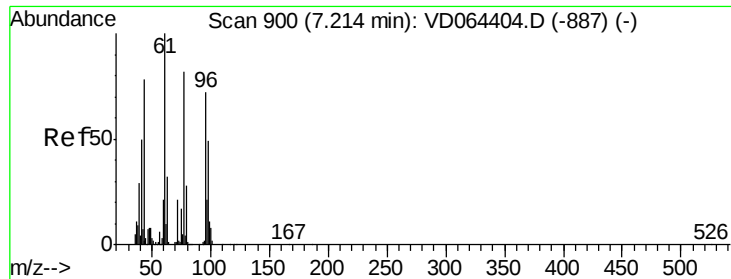
Tgt Ion: 77 Resp: 136955

Ion Ratio Lower Upper

77 100

97 23.4 11.6 34.7





#27

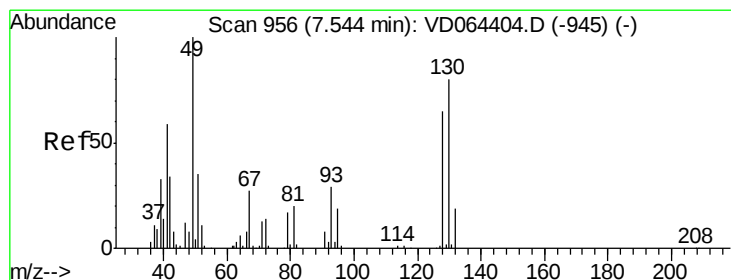
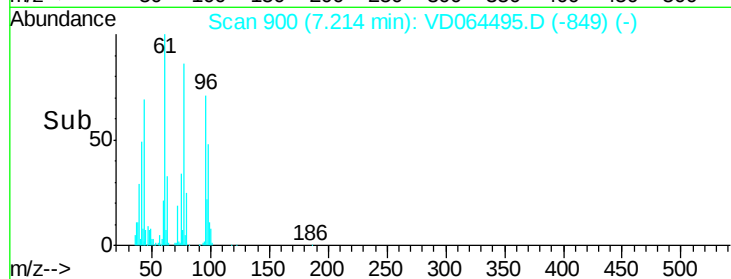
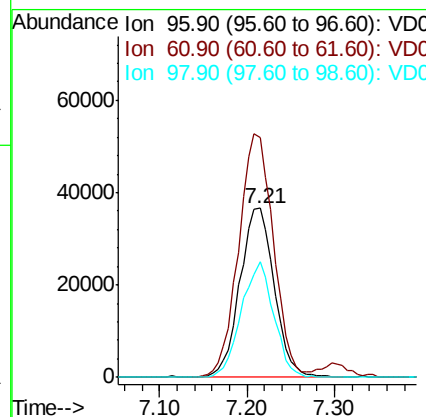
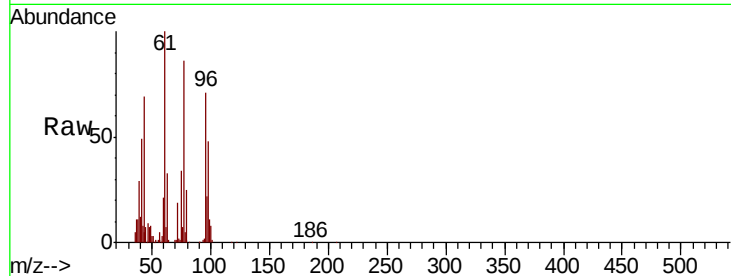
cis-1,2-Dichloroethene
Concen: 20.931 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD064495.D
Acq: 11 Dec 2019 12:25

Instrument :
MSVOA_D
ClientSampleId :
VD1211SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.7	0.0	279.6
98	64.7	0.0	129.2

Manual Integrations
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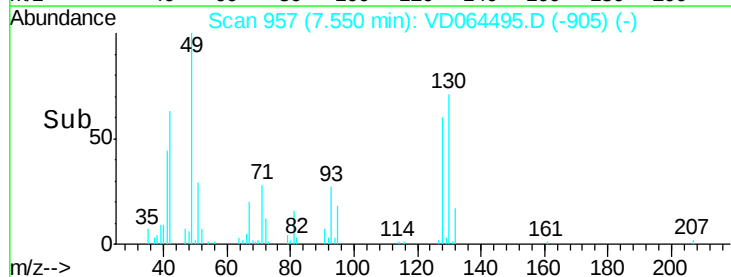
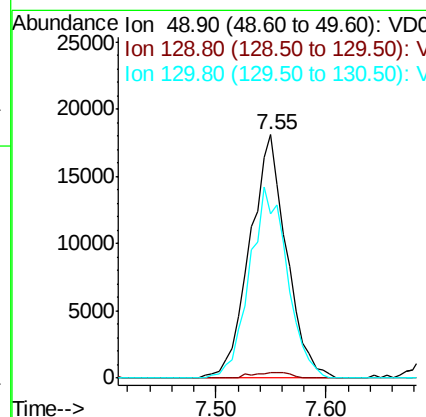
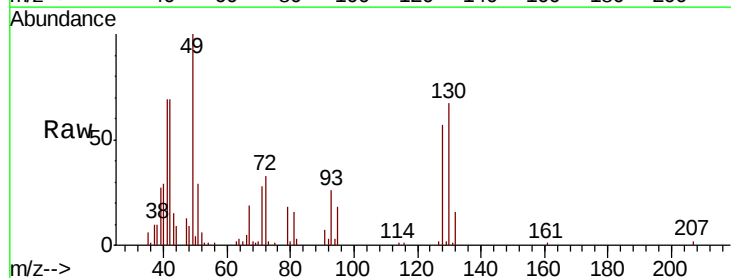
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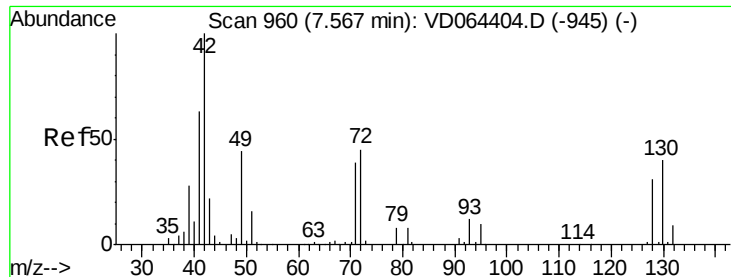


#28

Bromochloromethane
Concen: 17.638 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.01 min
Lab File: VD064495.D
Acq: 11 Dec 2019 12:25

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.4
130	80.4	67.4	101.0





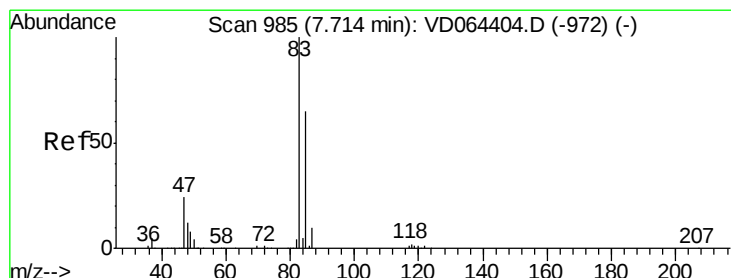
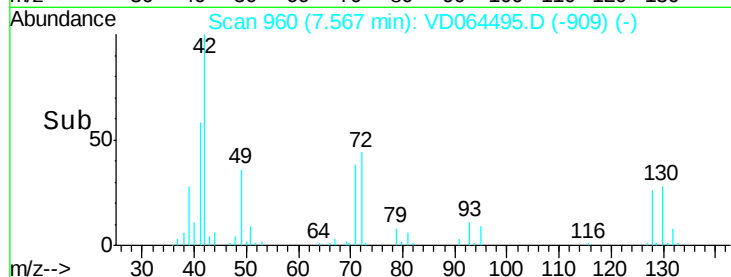
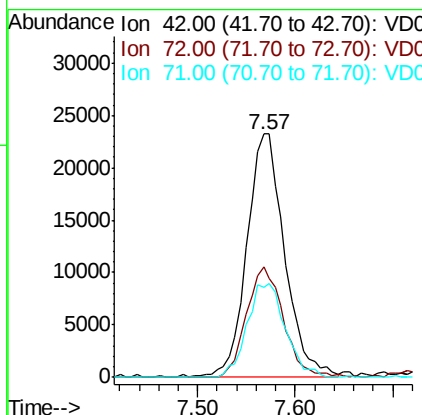
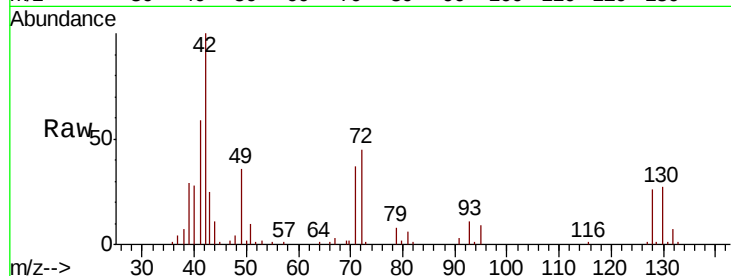
#29
Tetrahydrofuran
Concen: 91.197 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.00 min
Lab File: VD064495.D
Acq: 11 Dec 2019 12:25

Instrument :
MSVOA_D
ClientSampleId :
VD1211SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.5	35.8	53.8
71	38.9	32.7	49.1

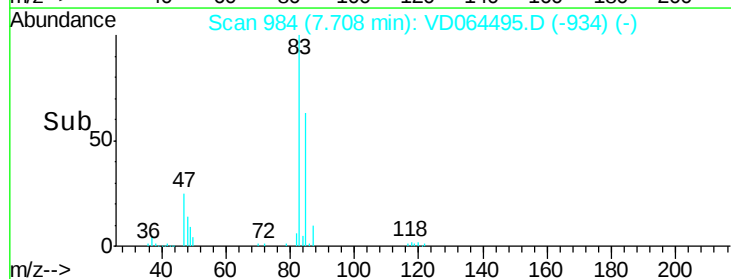
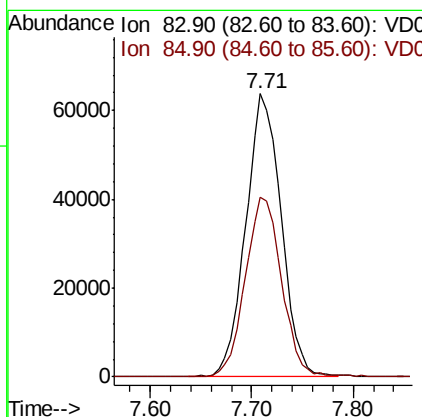
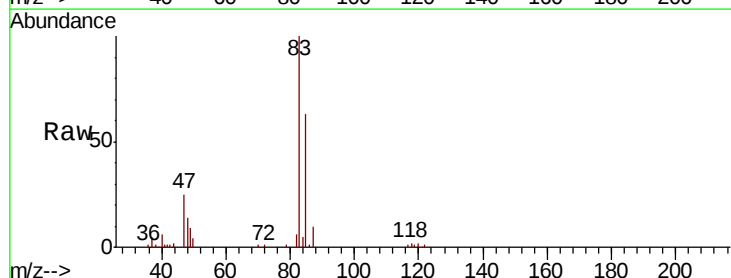
Manual Integrations
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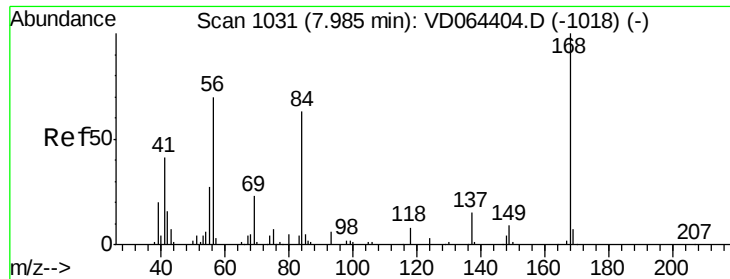
apatel
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#30
Chloroform
Concen: 21.362 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD064495.D
Acq: 11 Dec 2019 12:25

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.3	51.8	77.6





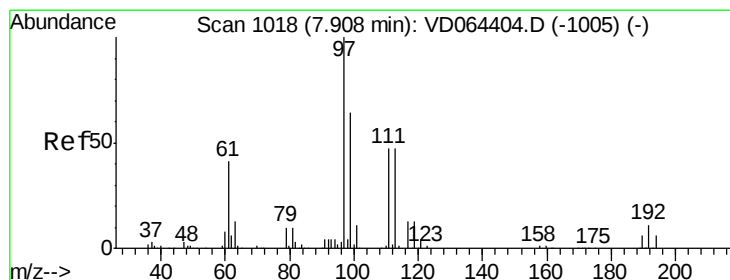
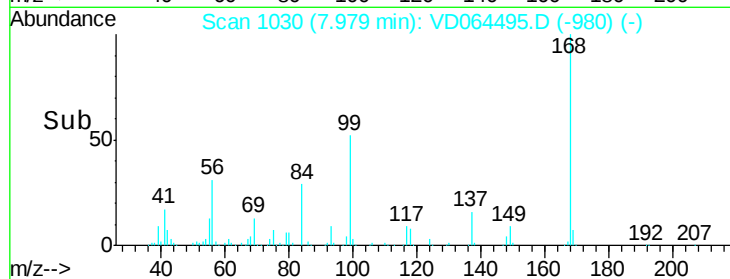
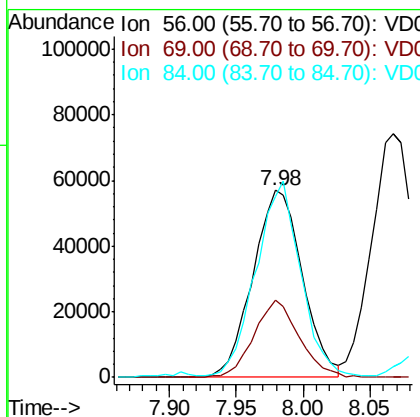
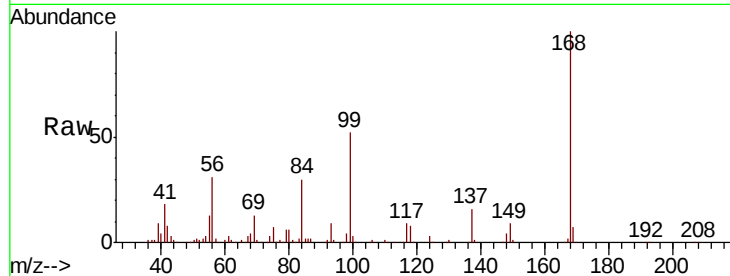
#31
Cyclohexane
Concen: 21.327 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VD064495.D
Acq: 11 Dec 2019 12:25

Instrument :
MSVOA_D
ClientSampleId :
VD1211SBS01

Tot Ion	56	69	84	Resp	Lower	Upper
146453	100	41.6	95.6		26.2	105.5

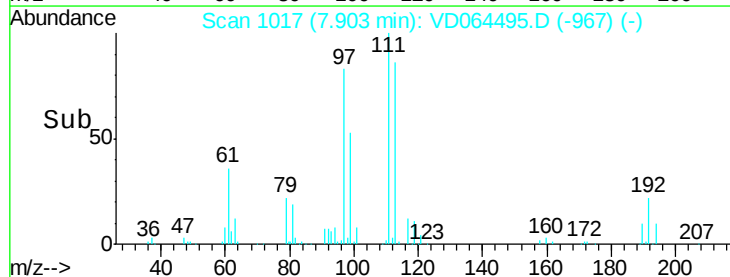
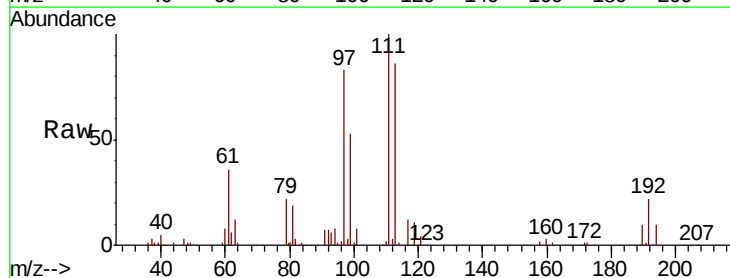
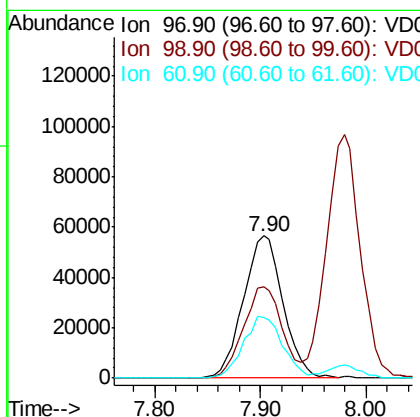
Manual Integrations
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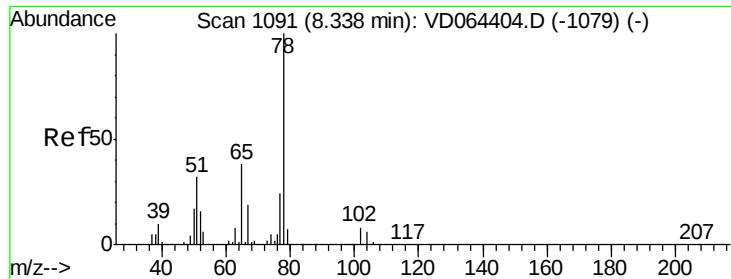
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#32
1,1,1-Trichloroethane
Concen: 21.808 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064495.D
Acq: 11 Dec 2019 12:25

Tgt Ion	97	99	61	Resp	Lower	Upper
146611	100	63.3	43.2		51.4	52.4





#33

1,2-Dichloroethane-d4

Concen: 54.061 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD064495.D

Acq: 11 Dec 2019 12:25

Instrument :

MSVOA_D

ClientSampleId :

VD1211SBS01

Tot Ion: 65 Resp: 205154

Ion Ratio Lower Upper

65 100

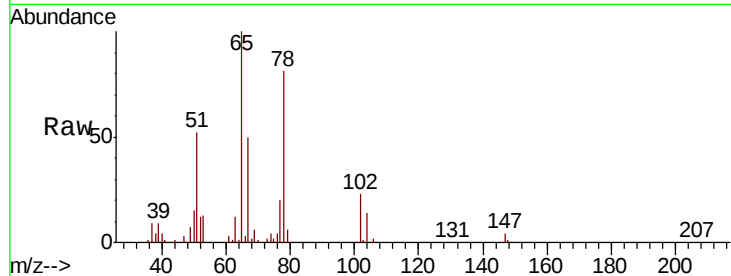
67 53.8 0.0 102.0

Manual Integrations

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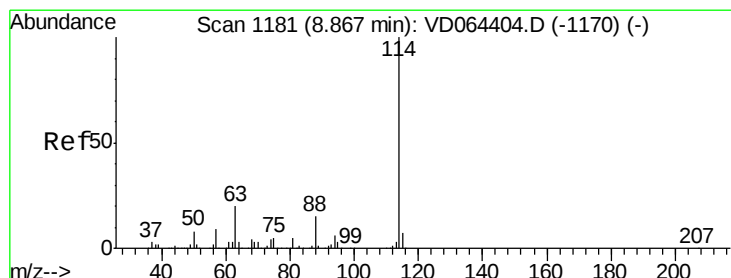
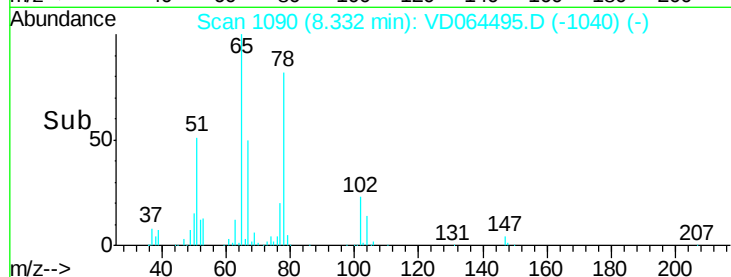
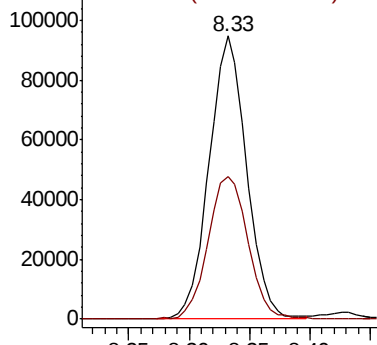
apatel

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Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD064495.D

Acq: 11 Dec 2019 12:25

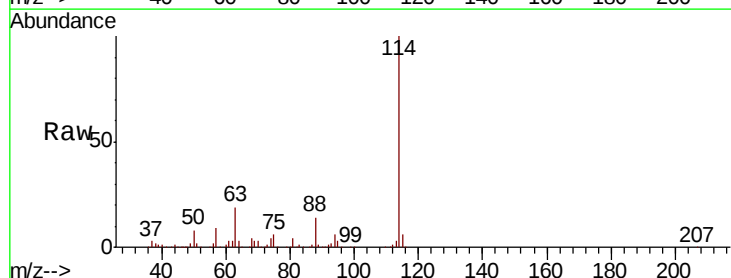
Tgt Ion: 114 Resp: 619084

Ion Ratio Lower Upper

114 100

63 19.5 0.0 40.0

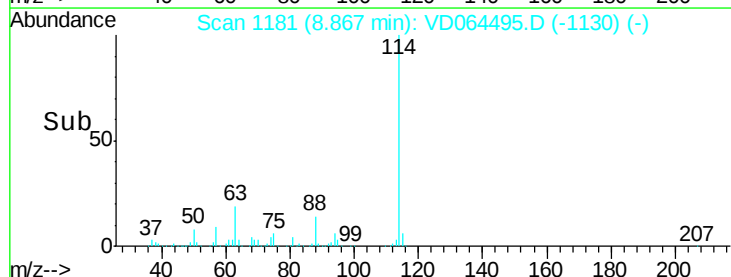
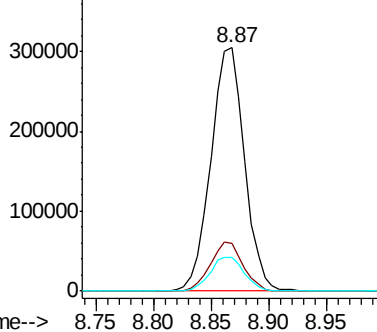
88 13.8 0.0 29.2

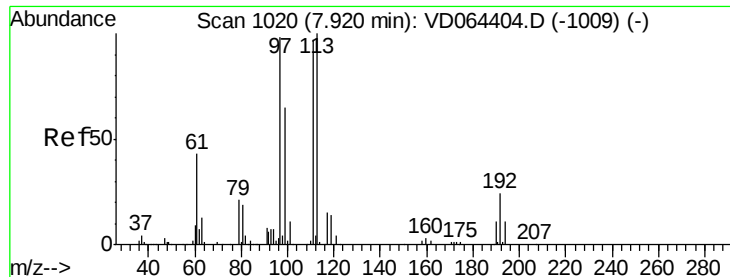


Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





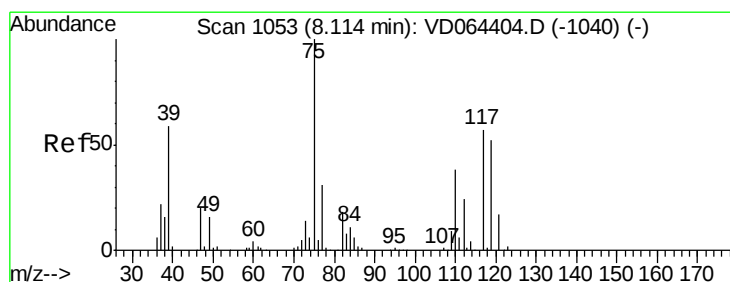
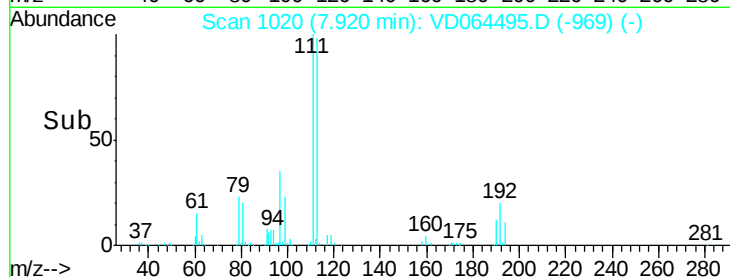
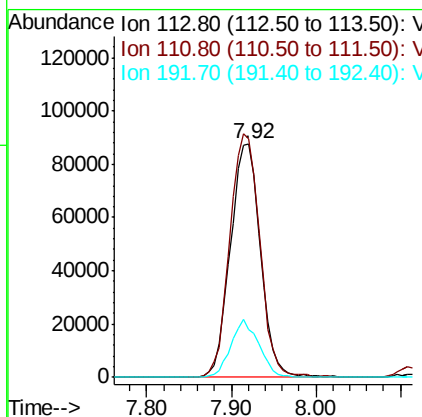
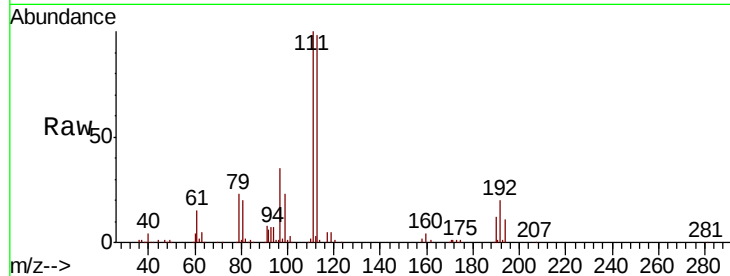
#35
 Dibromofluoromethane
 Concen: 55.071 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064495.D
 Acq: 11 Dec 2019 12:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1211SBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.7	79.4	119.2
192	23.1	18.6	28.0

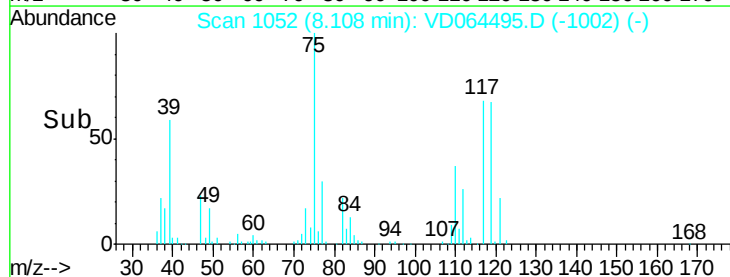
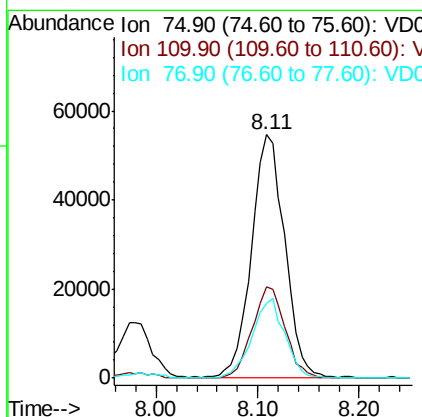
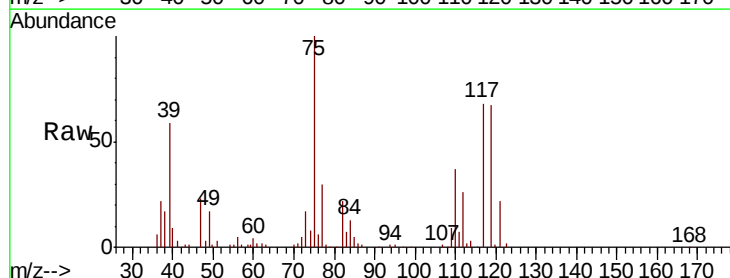
Manual Integrations
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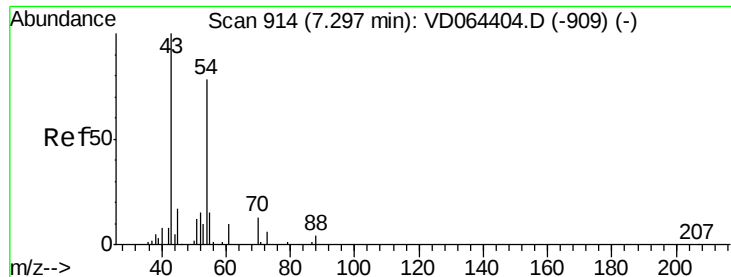
apatel
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#36
 1,1-Dichloropropene
 Concen: 21.351 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD064495.D
 Acq: 11 Dec 2019 12:25

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.8	18.6	55.8
77	31.9	25.0	37.4





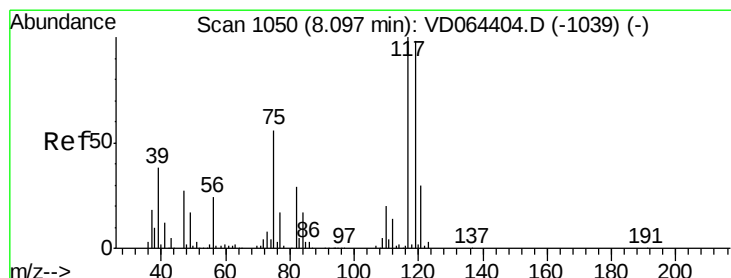
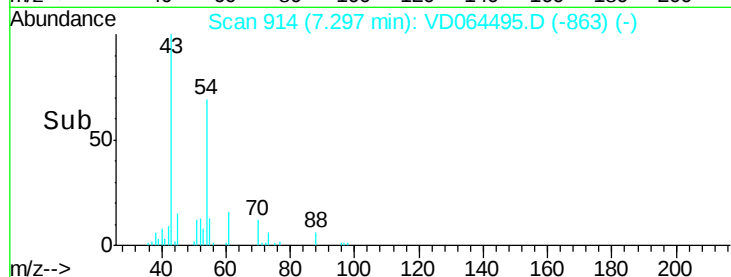
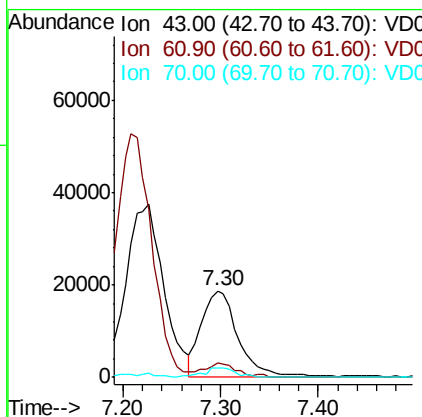
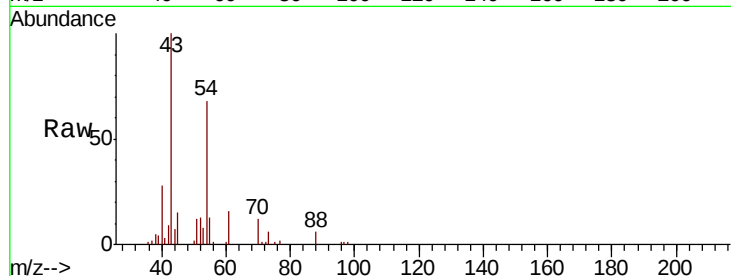
#37
Ethyl Acetate
Concen: 19.315 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD064495.D
Acq: 11 Dec 2019 12:25

Instrument :
MSVOA_D
ClientSampleId :
VD1211SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.8	10.9	16.3
70	10.4	8.3	12.5

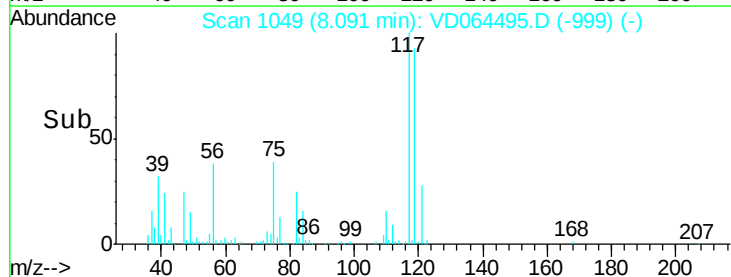
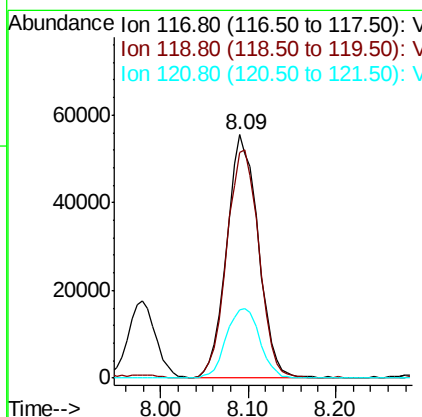
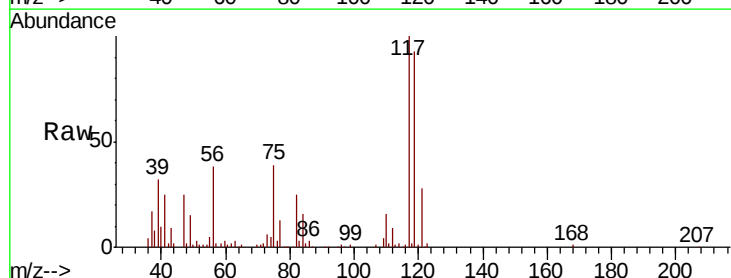
Manual Integrations
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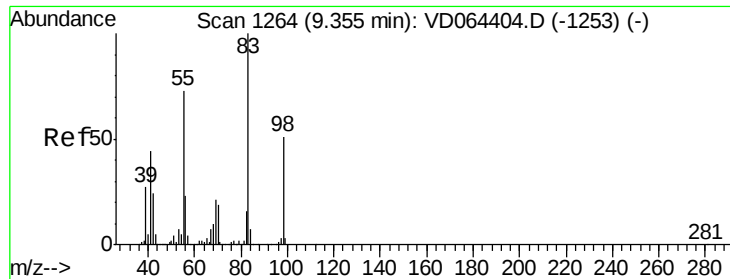
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#38
Carbon Tetrachloride
Concen: 22.144 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD064495.D
Acq: 11 Dec 2019 12:25

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.8	78.8	118.2
121	28.1	24.2	36.2





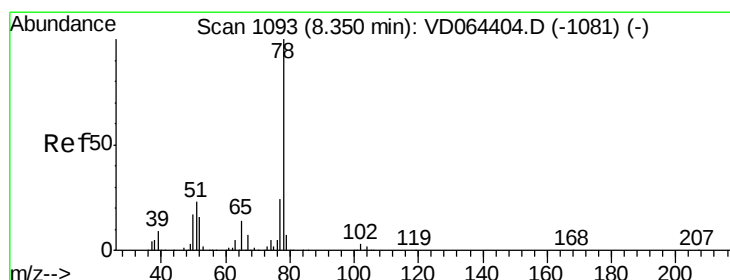
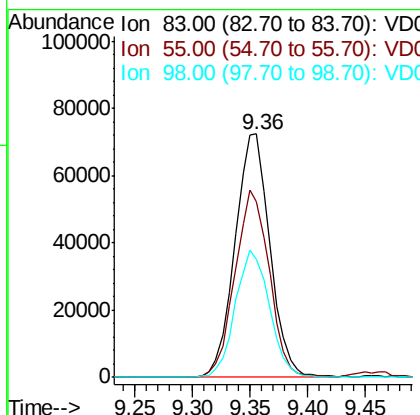
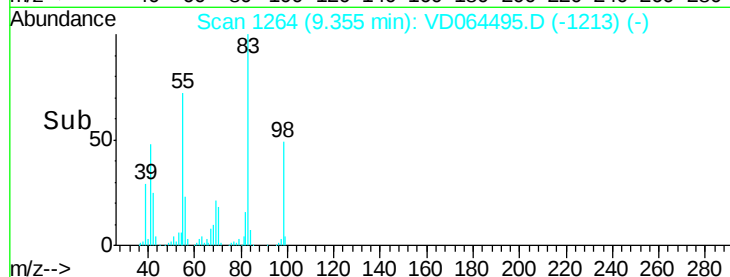
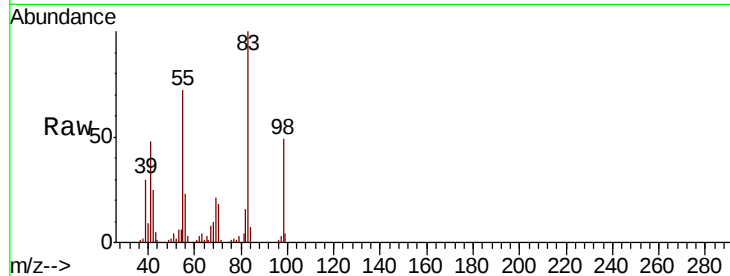
#39
Methvlcvclohexane
Concen: 20.940 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064495.D
Acq: 11 Dec 2019 12:25

Instrument :
MSVOA_D
ClientSampleId :
VD1211SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.1	58.6	87.8
98	48.5	40.9	61.3

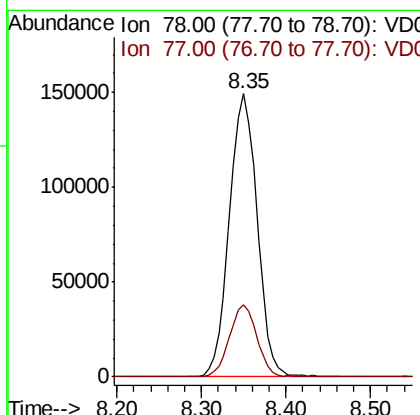
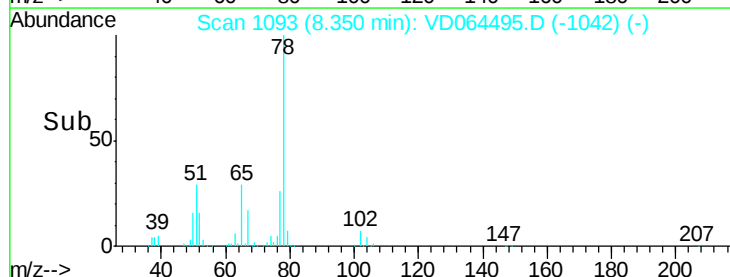
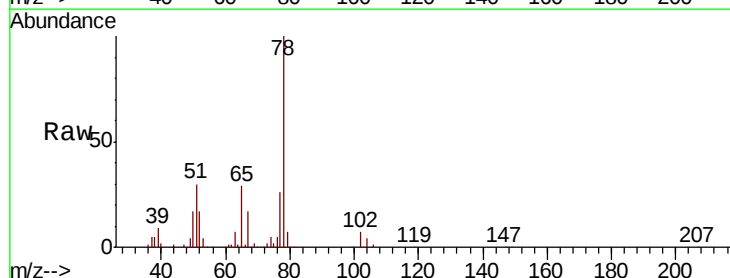
Manual Integrations
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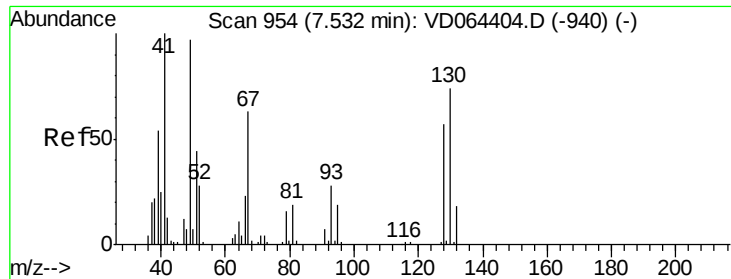
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#40
Benzene
Concen: 20.830 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD064495.D
Acq: 11 Dec 2019 12:25

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.6	19.6	29.4





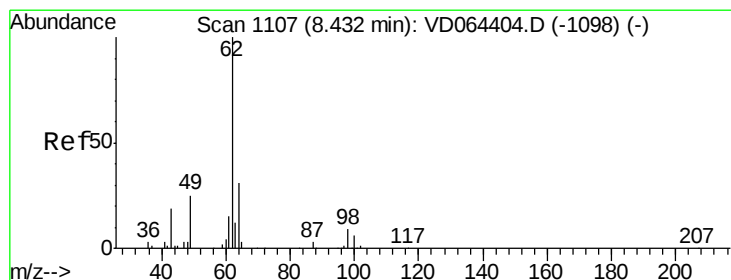
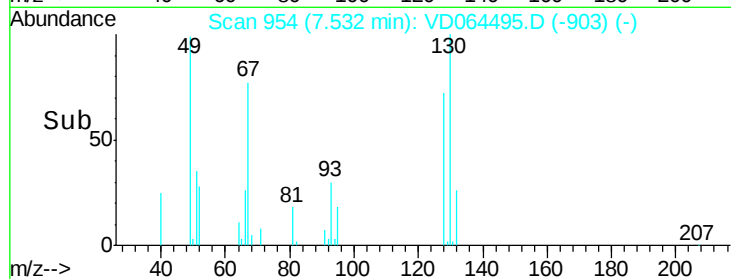
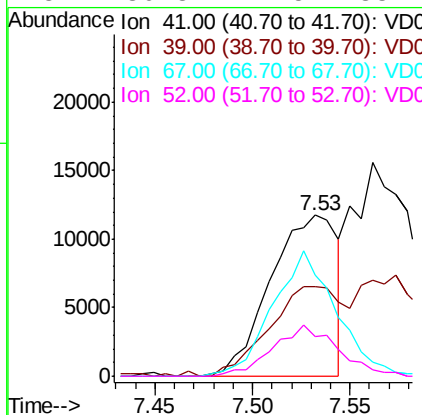
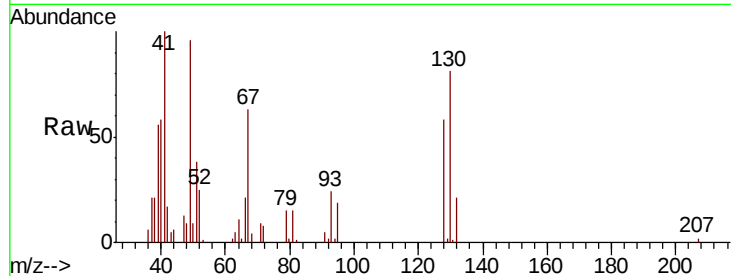
#41
Methacrylonitrile
Concen: 19.634 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.00 min
Lab File: VD064495.D
Acq: 11 Dec 2019 12:25

Instrument :
MSVOA_D
ClientSampleId :
VD1211SBS01

Tot Ion	41	Resp	27977
Ion	Ratio	Lower	Upper
41	100		
39	62.4	44.6	67.0
67	74.1	50.9	76.3
52	30.8	22.5	33.7

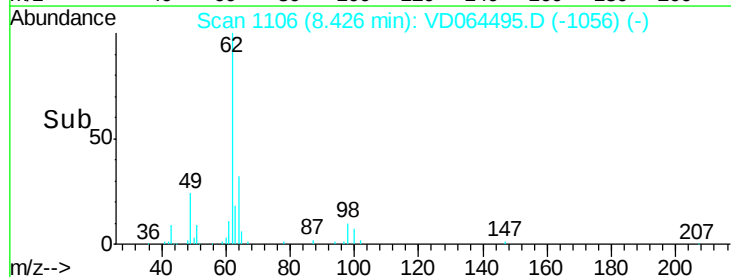
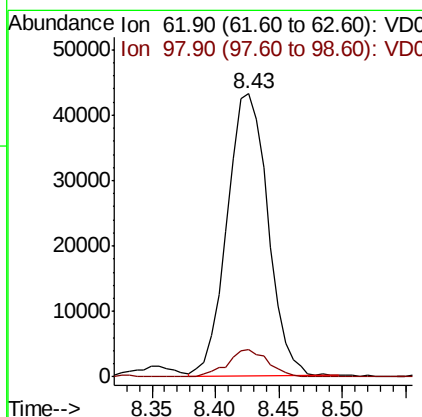
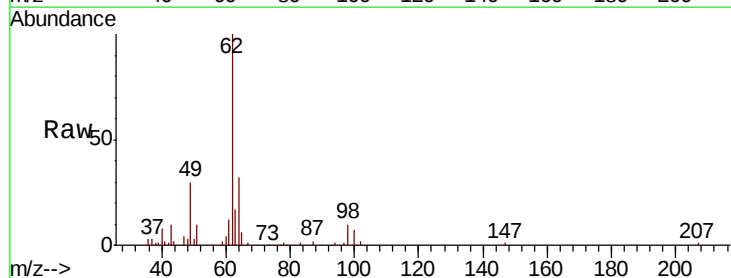
Manual Integrations
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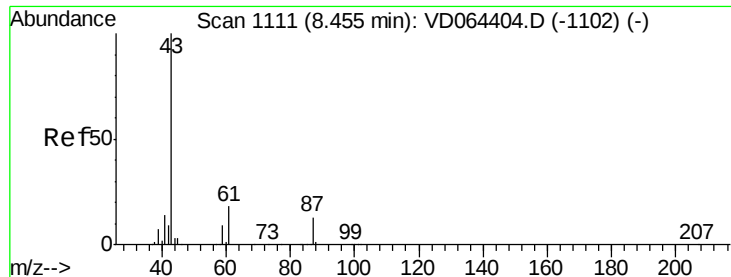
apatel
12/12/2019 10:29:03 AM



#42
1,2-Dichloroethane
Concen: 20.348 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD064495.D
Acq: 11 Dec 2019 12:25

Tgt Ion	62	Resp	96508
Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	20.6





#43

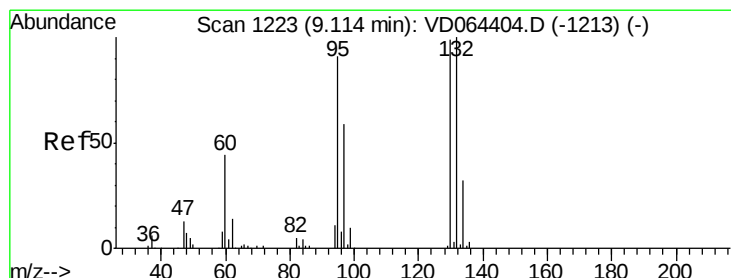
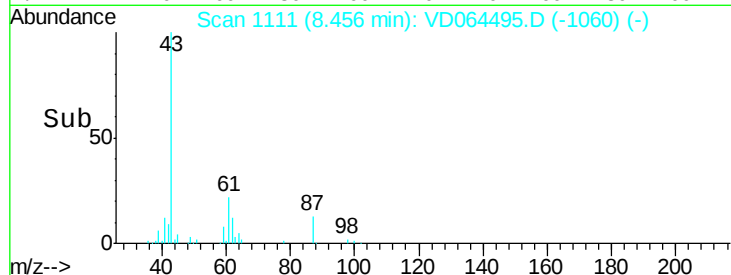
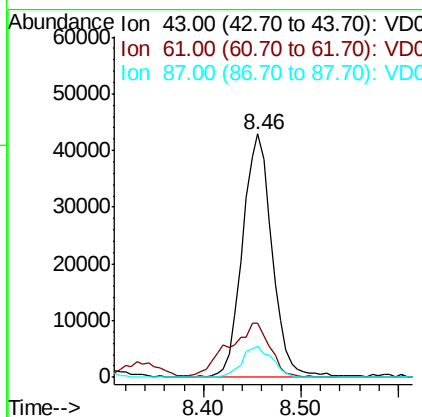
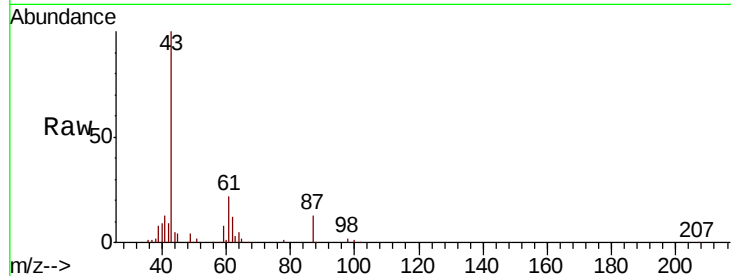
Isopropyl Acetate
 Concen: 18.526 ug/l
 RT: 8.46 min Scan# 1111
 Delta R.T. 0.00 min
 Lab File: VD064495.D
 Acq: 11 Dec 2019 12:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1211SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	31.3	24.0	36.0
87	12.9	10.6	15.8

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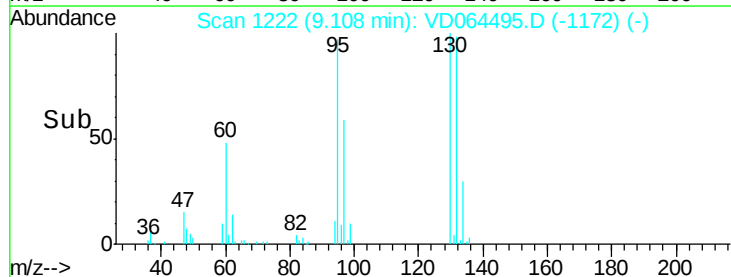
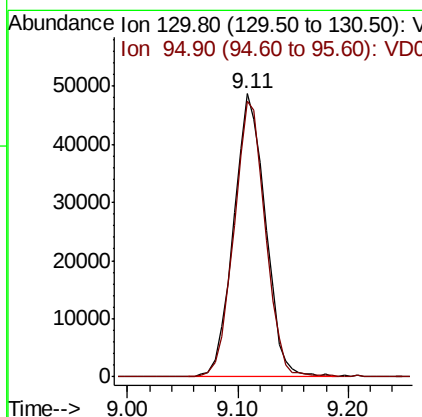
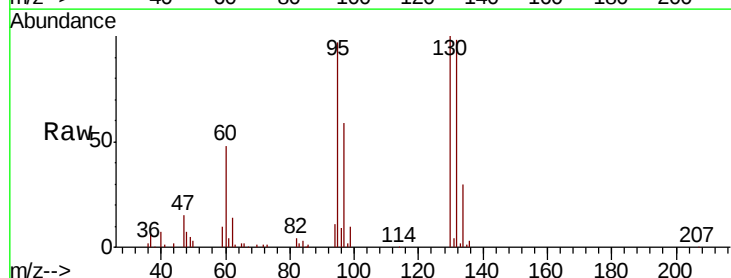
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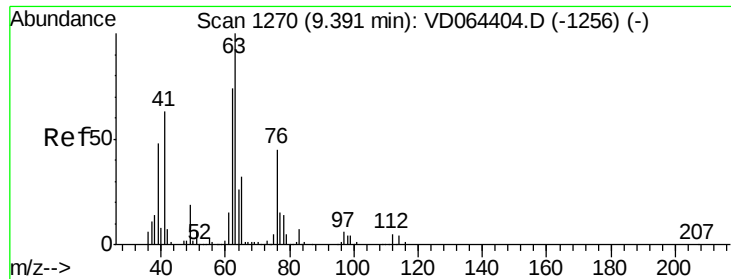


#44

Trichloroethene
 Concen: 20.143 ug/l
 RT: 9.11 min Scan# 1222
 Delta R.T. -0.01 min
 Lab File: VD064495.D
 Acq: 11 Dec 2019 12:25

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.3	0.0	184.6





#45

1,2-Dichloropropane

Concen: 20.952 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VD064495.D

Acq: 11 Dec 2019 12:25

Instrument :

MSVOA_D

ClientSampleId :

VD1211SBS01

Tot Ion: 63 Resp: 81494

Ion Ratio Lower Upper

63 100

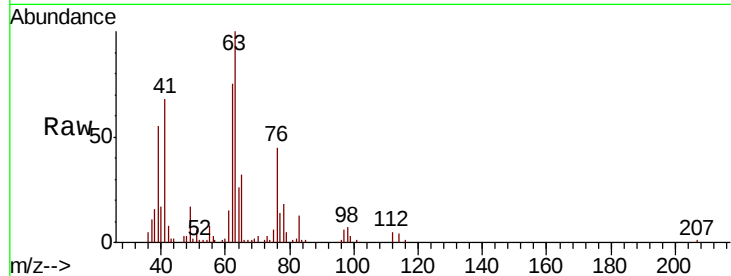
65 31.6 25.4 38.0

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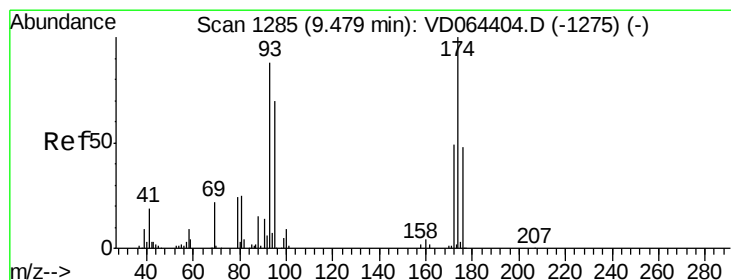
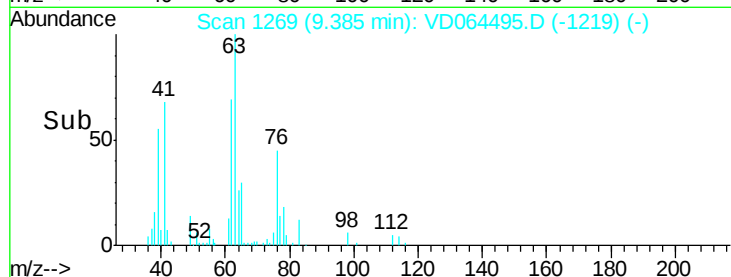
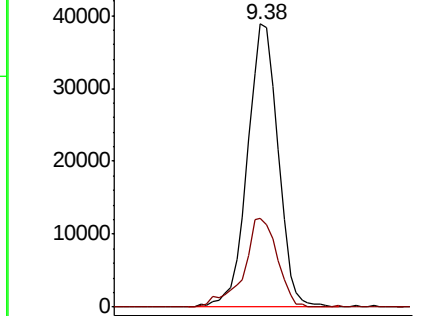
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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 20.146 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. -0.01 min

Lab File: VD064495.D

Acq: 11 Dec 2019 12:25

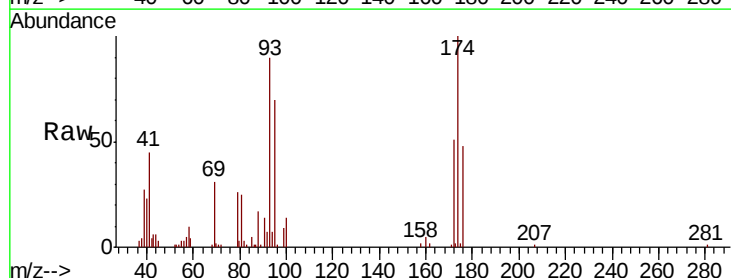
Tgt Ion: 93 Resp: 44227

Ion Ratio Lower Upper

93 100

95 83.7 66.7 100.1

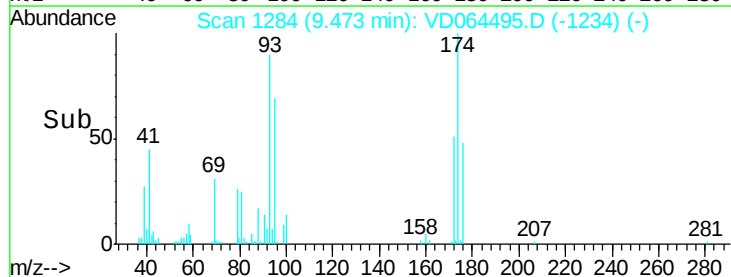
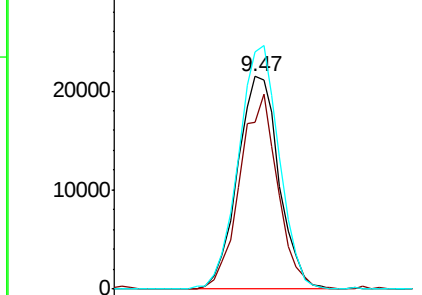
174 112.2 92.3 138.5

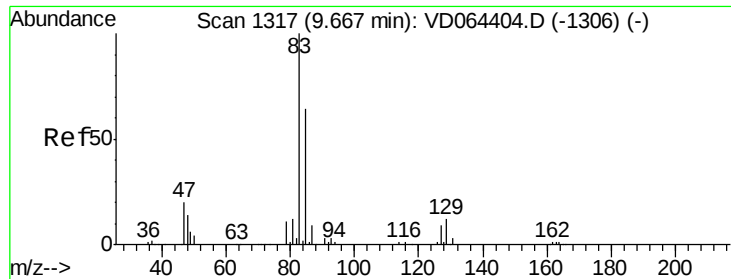


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.995 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD064495.D

Acq: 11 Dec 2019 12:25

Instrument :

MSVOA_D

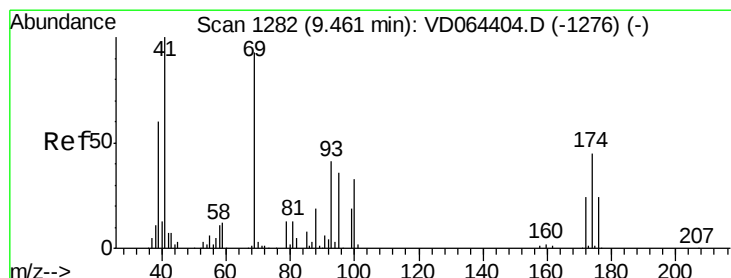
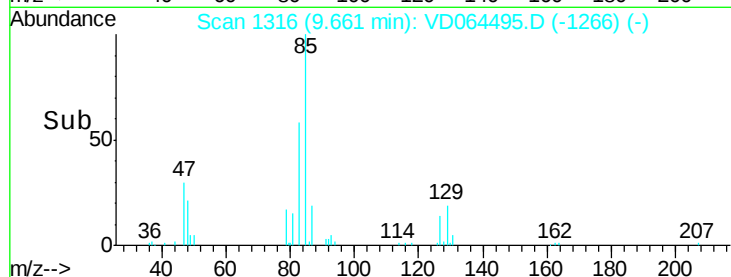
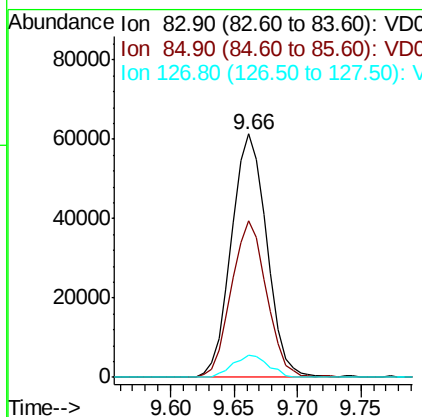
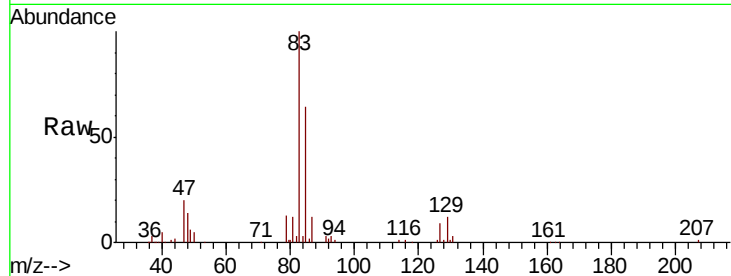
ClientSampleId :

VD1211SBS01

Tot Ion:	83	Resp:	118429
Ion Ratio	Lower	Upper	
83	100		
85	64.2	51.1	76.7
127	9.3	7.4	11.0

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#48

Methyl methacrylate

Concen: 18.761 ug/l

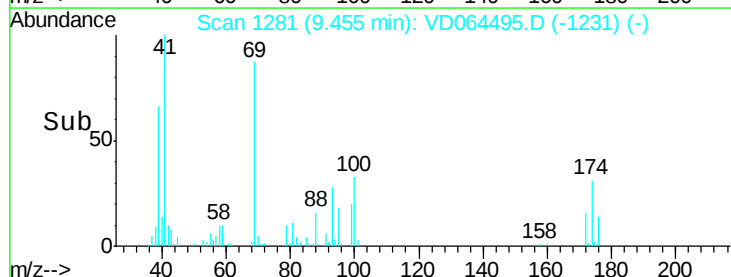
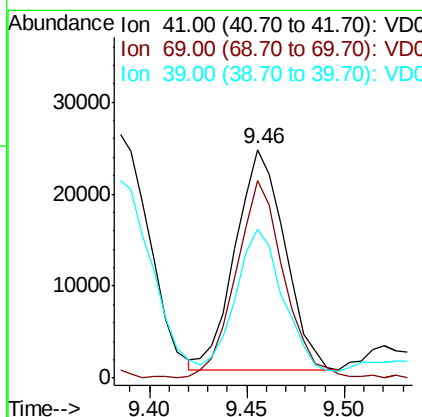
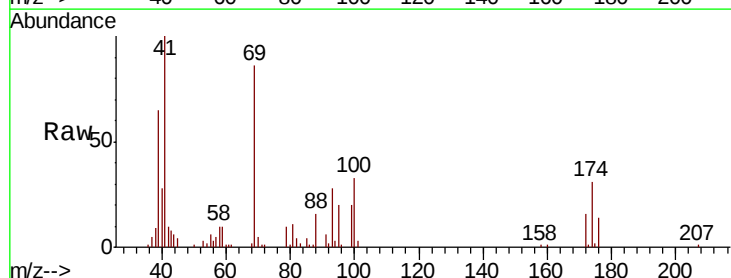
RT: 9.46 min Scan# 1281

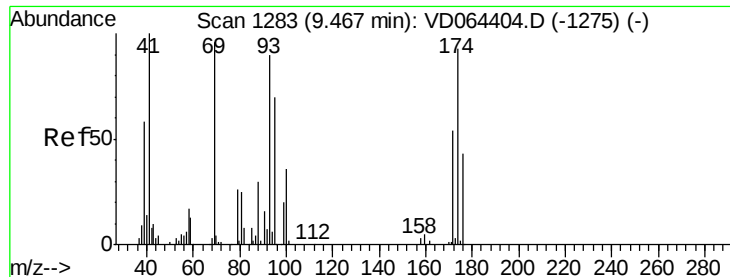
Delta R.T. -0.01 min

Lab File: VD064495.D

Acq: 11 Dec 2019 12:25

Tgt Ion:	41	Resp:	41940
Ion Ratio	Lower	Upper	
41	100		
69	88.3	72.0	108.0
39	61.8	55.2	82.8





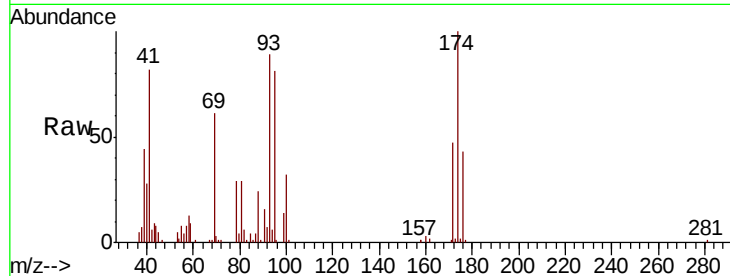
#49
1,4-Dioxane
Concen: 384.640 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD064495.D
Acq: 11 Dec 2019 12:25

Instrument :
MSVOA_D
ClientSampleId :
VD1211SBS01

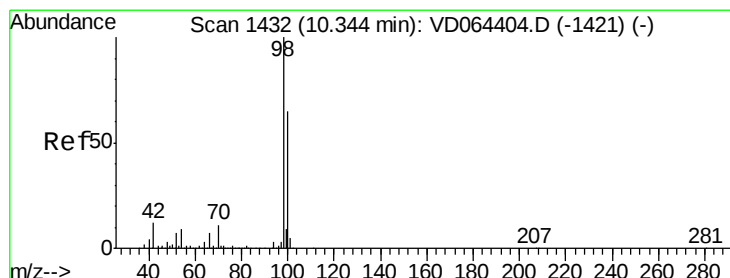
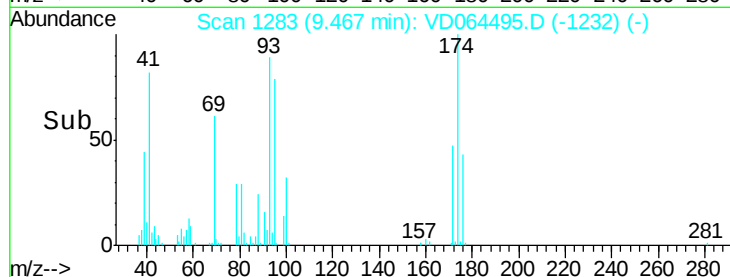
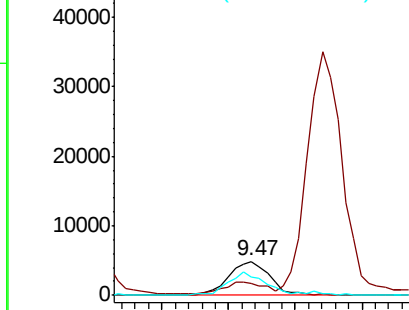
Tot Ion	88	Resp	10427
Ion	Ratio	Lower	Upper
88	100		
43	34.0	26.7	40.1
58	64.1	52.3	78.5

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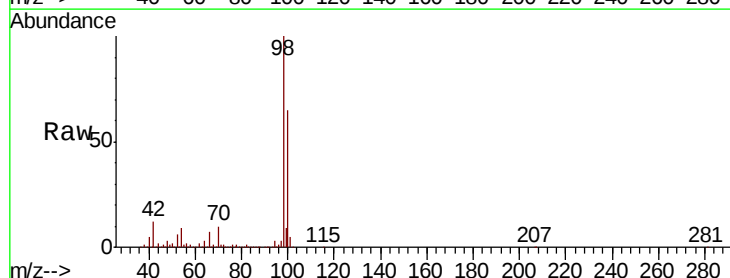


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

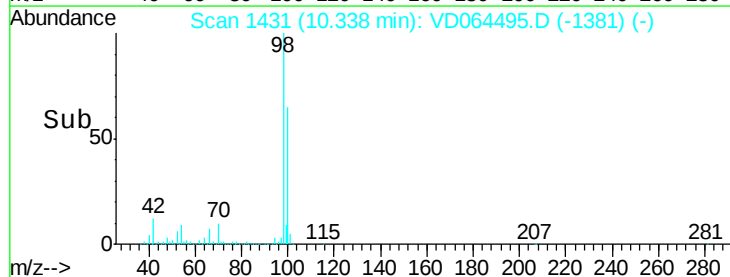
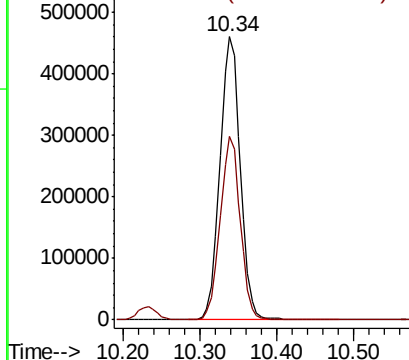


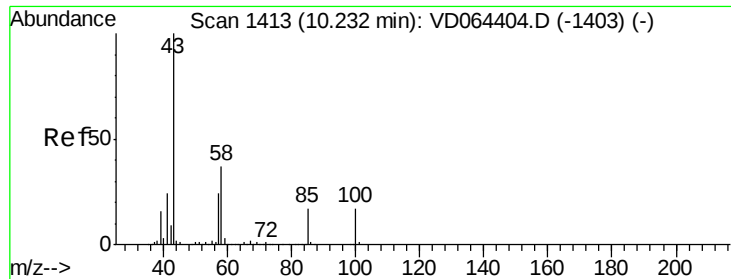
#50
Toluene-d8
Concen: 57.114 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.01 min
Lab File: VD064495.D
Acq: 11 Dec 2019 12:25

Tgt Ion	98	Resp	839166
Ion	Ratio	Lower	Upper
98	100		
100	63.9	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: 91.529 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD064495.D

Acq: 11 Dec 2019 12:25

Instrument :

MSVOA_D

ClientSampleId :

VD1211SBS01

Tot Ion: 43 Resp: 221247

Ion Ratio Lower Upper

43 100

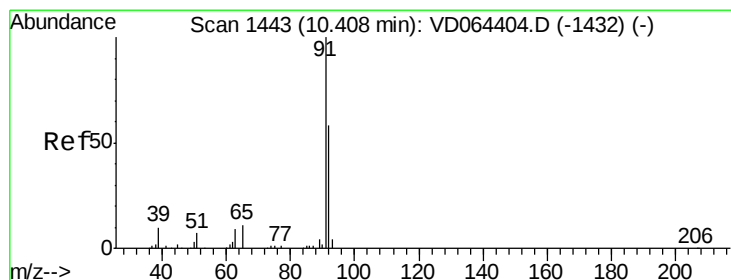
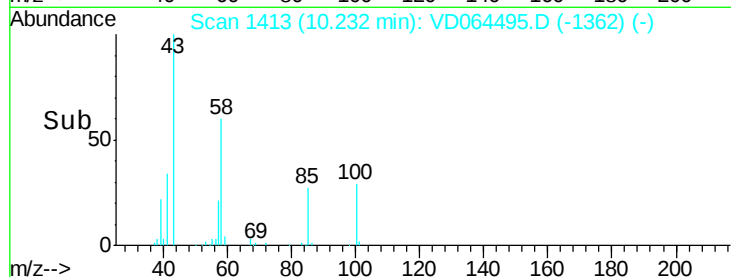
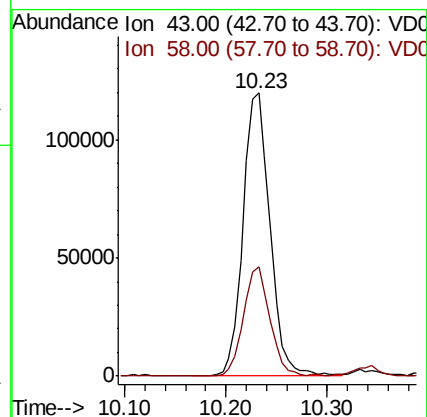
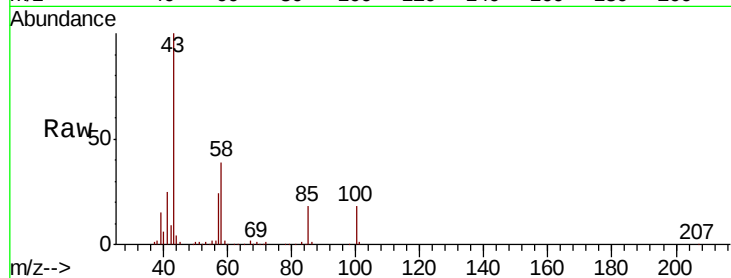
58 38.1 30.6 46.0

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#52

Toluene

Concen: 21.143 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.01 min

Lab File: VD064495.D

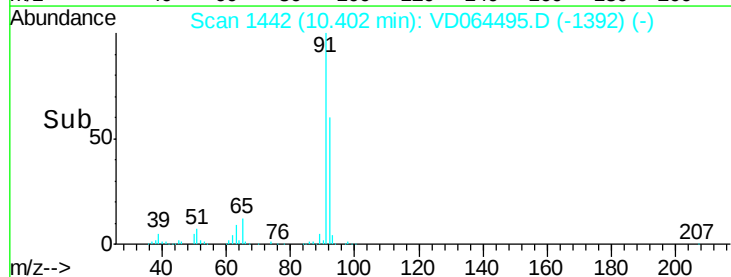
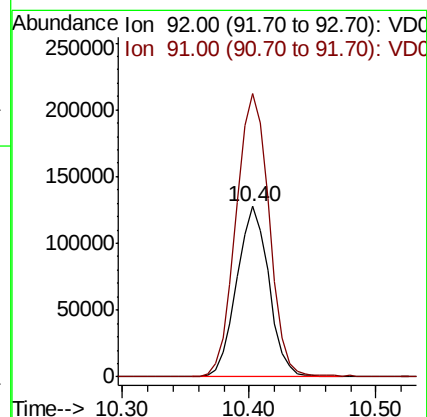
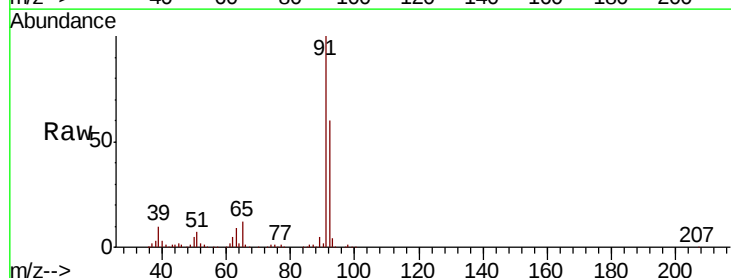
Acq: 11 Dec 2019 12:25

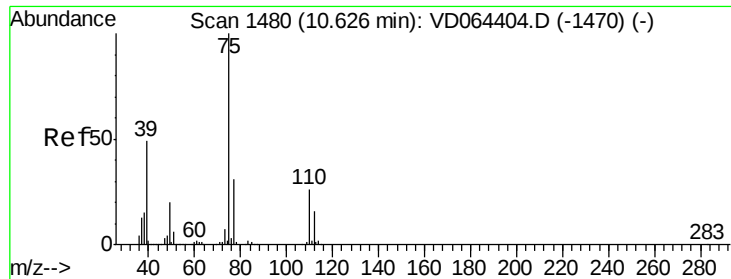
Tgt Ion: 92 Resp: 224103

Ion Ratio Lower Upper

92 100

91 171.4 137.8 206.6





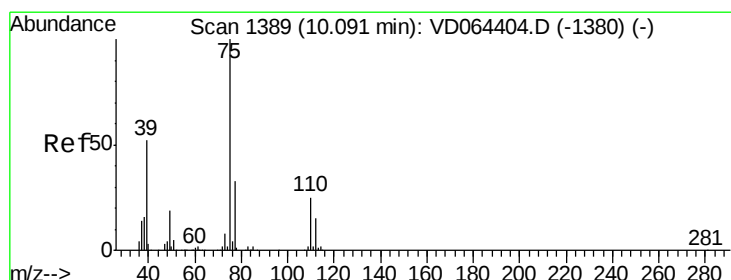
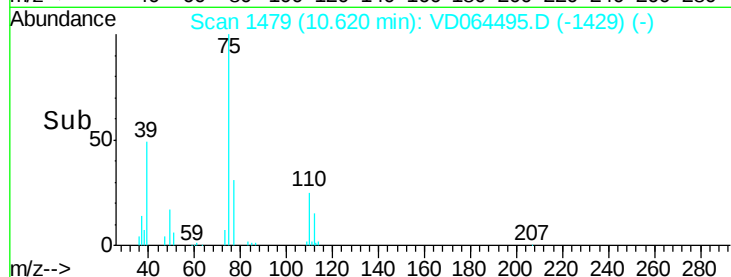
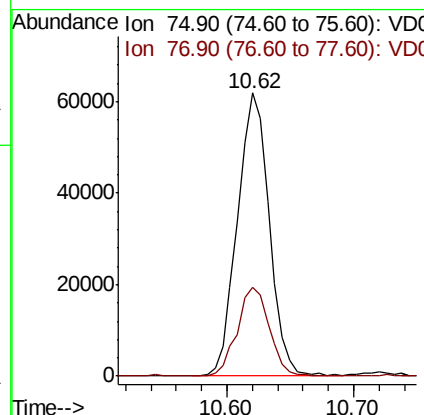
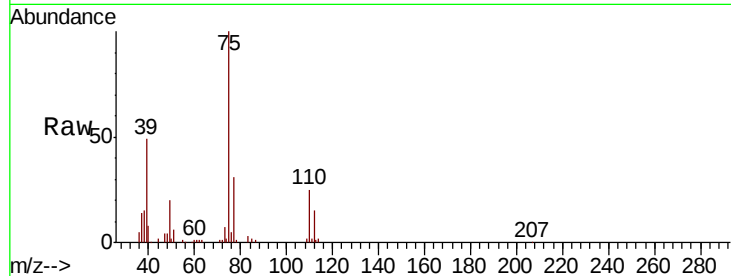
#53
t-1,3-Dichloropropene
Concen: 20.040 ug/l
RT: 10.62 min Scan# 1479
Delta R.T. -0.01 min
Lab File: VD064495.D
Acq: 11 Dec 2019 12:25

Instrument :
MSVOA_D
ClientSampleId :
VD1211SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.0	37.4

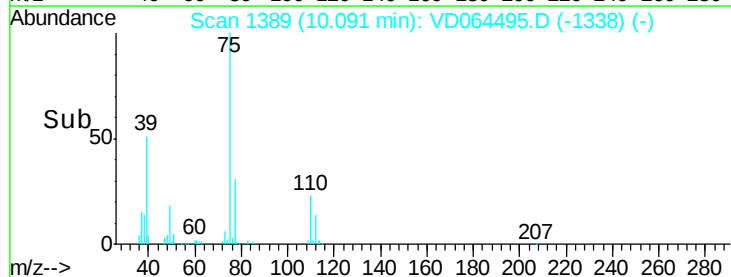
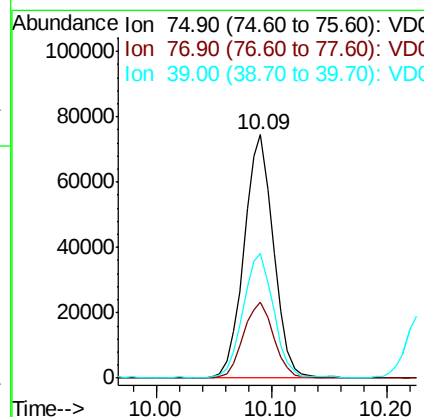
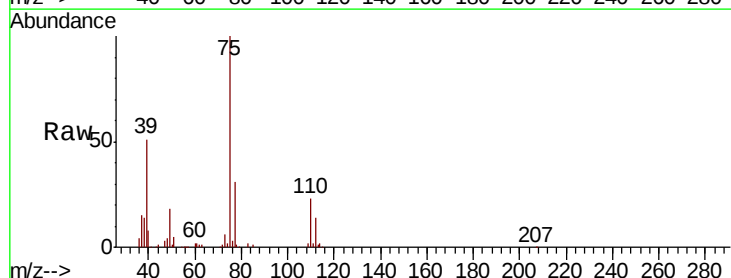
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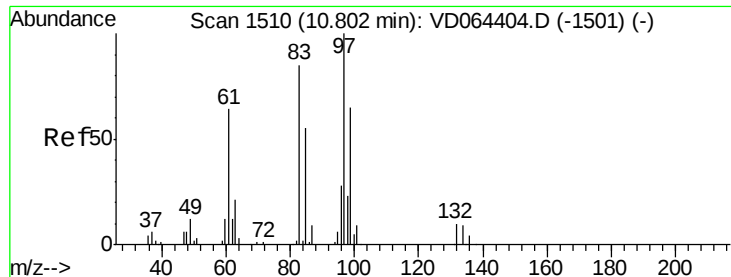
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#54
cis-1,3-Dichloropropene
Concen: 20.625 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VD064495.D
Acq: 11 Dec 2019 12:25

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.3	26.1	39.1
39	51.1	41.5	62.3





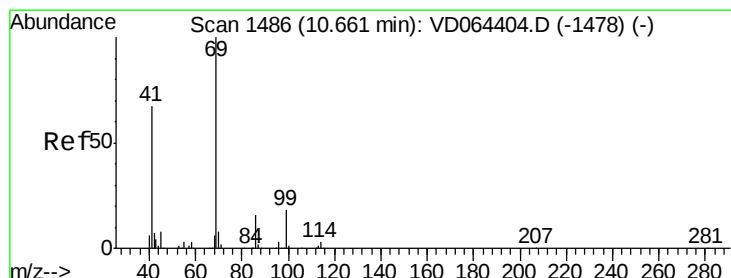
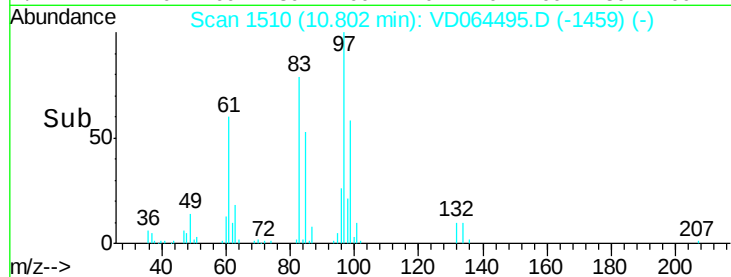
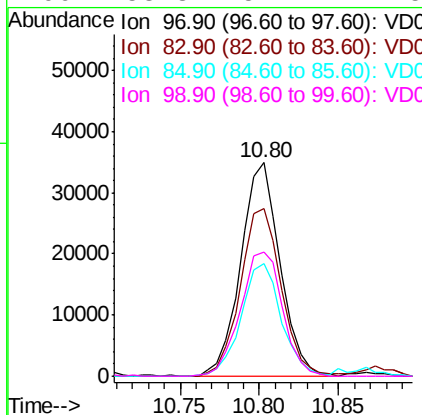
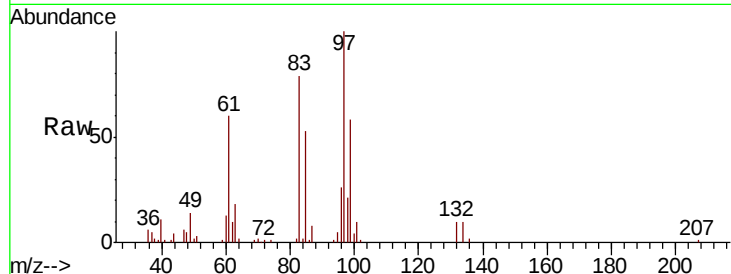
#55
 1,1,2-Trichloroethane
 Concen: 20.022 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064495.D
 Acq: 11 Dec 2019 12:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1211SBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	78.7	67.8	101.8
85	52.8	43.7	65.5
99	58.3	51.7	77.5

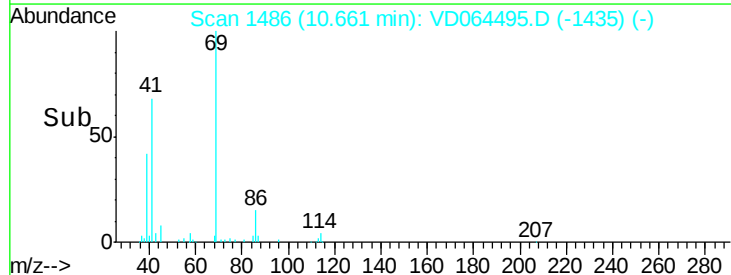
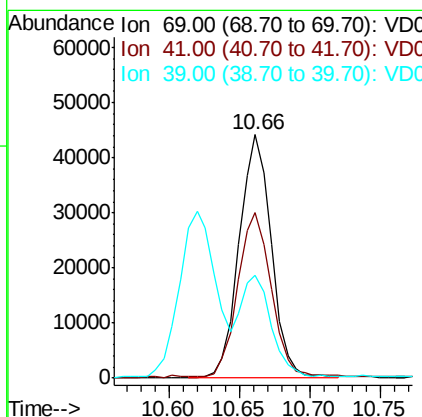
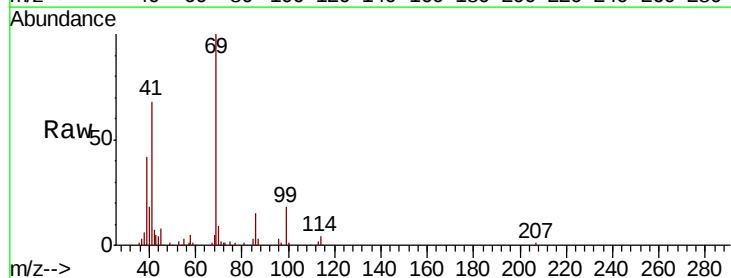
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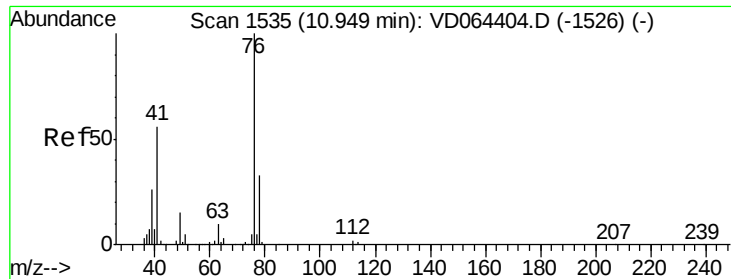
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#56
 Ethyl methacrylate
 Concen: 18.430 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD064495.D
 Acq: 11 Dec 2019 12:25

Tgt Ion	Ratio	Lower	Upper
69	100		
41	69.9	55.0	82.4
39	40.6	33.0	49.6





#57

1,3-Dichloropropane

Concen: 20.357 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. -0.01 min

Lab File: VD064495.D

Acq: 11 Dec 2019 12:25

Instrument :

MSVOA_D

ClientSampleId :

VD1211SBS01

Tot Ion: 76 Resp: 104164

Ion Ratio Lower Upper

76 100

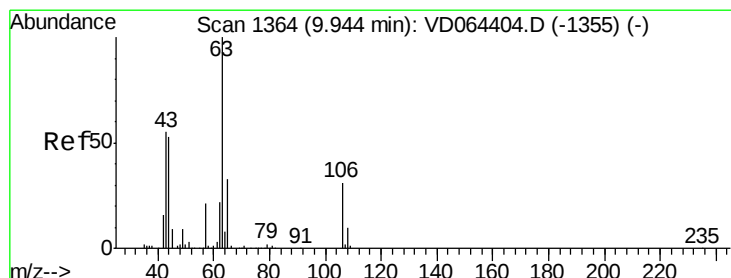
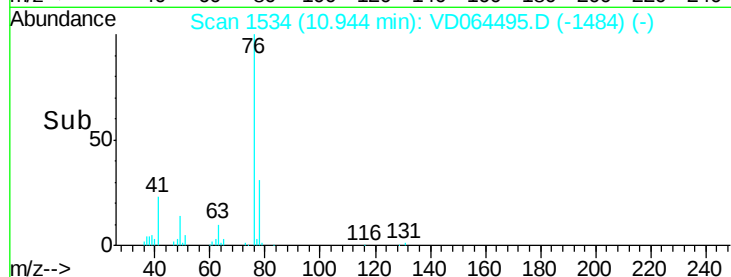
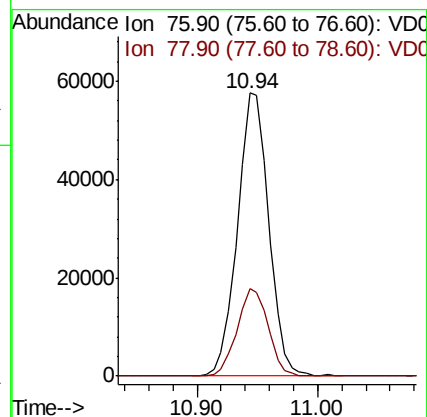
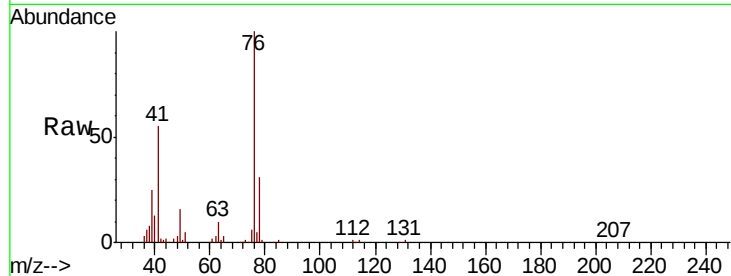
78 30.7 26.0 39.0

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#58

2-Chloroethyl Vinyl ether

Concen: 104.010 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD064495.D

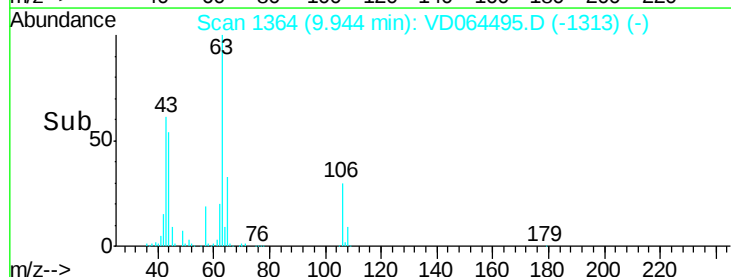
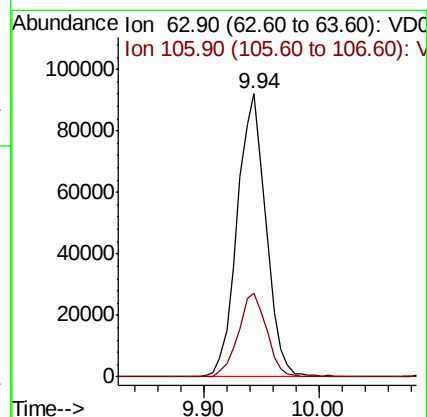
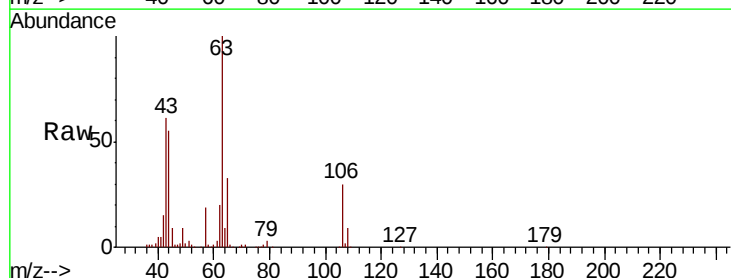
Acq: 11 Dec 2019 12:25

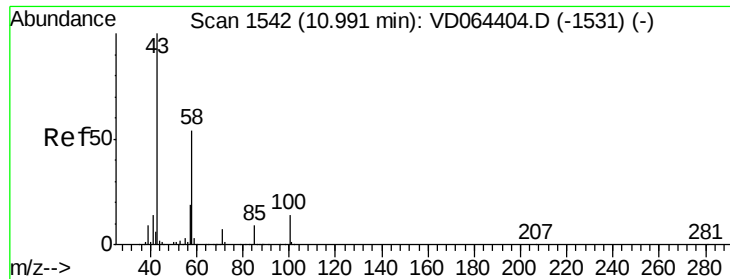
Tgt Ion: 63 Resp: 158964

Ion Ratio Lower Upper

63 100

106 29.1 24.2 36.4





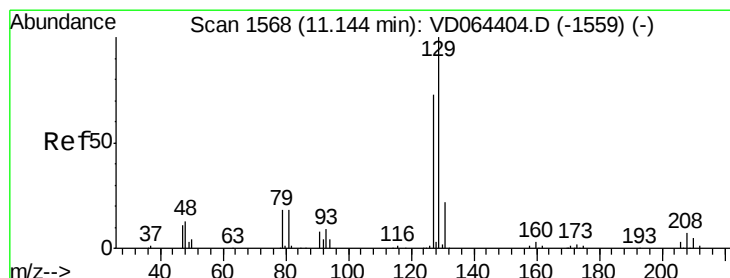
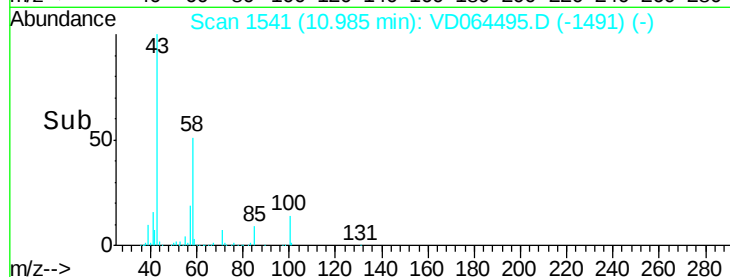
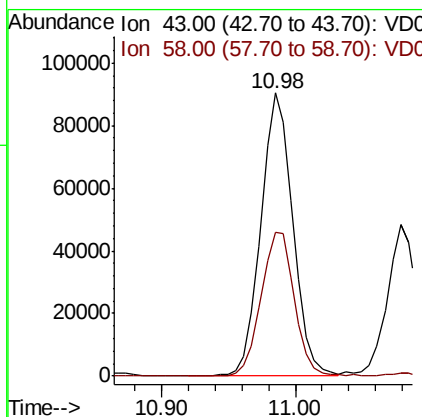
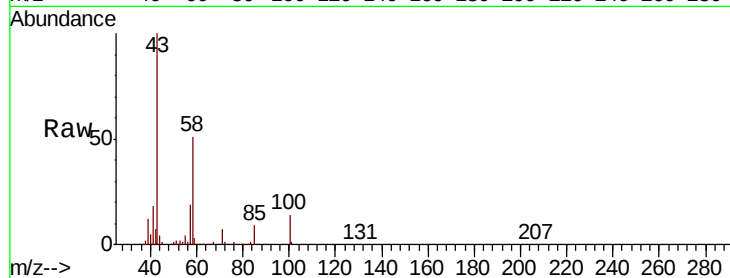
#59
2-Hexanone
Concen: 89.485 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD064495.D
Acq: 11 Dec 2019 12:25

Instrument :
MSVOA_D
ClientSampleId :
VD1211SBS01

Tot Ion: 43 Resp: 150092
Ion Ratio Lower Upper
43 100
58 53.2 26.3 78.8

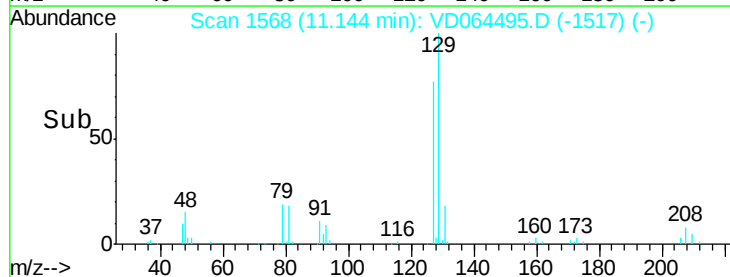
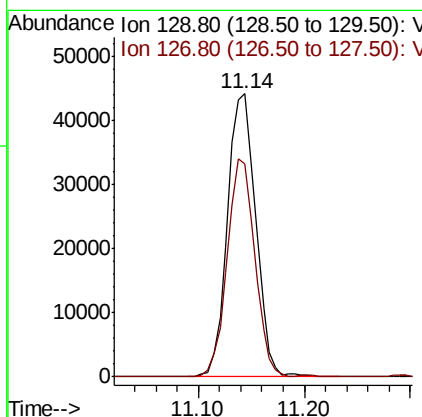
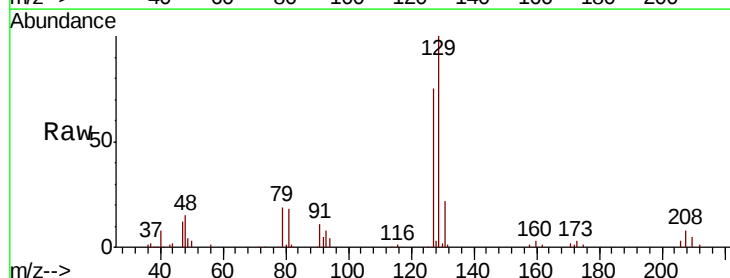
Manual Integrations
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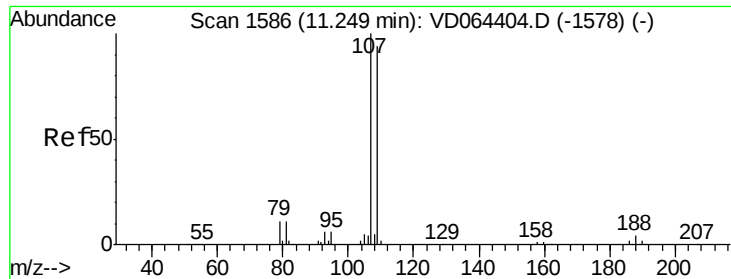
apatel
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#60
Dibromochloromethane
Concen: 20.068 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064495.D
Acq: 11 Dec 2019 12:25

Tgt Ion: 129 Resp: 81790
Ion Ratio Lower Upper
129 100
127 75.4 38.1 114.3





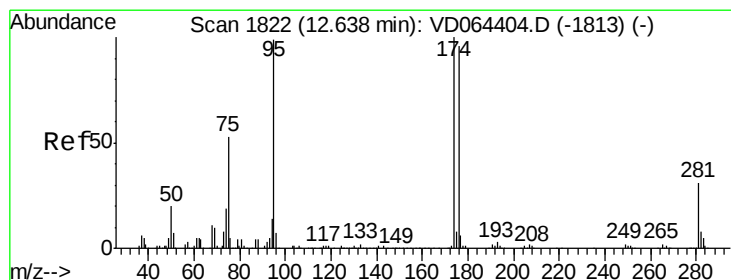
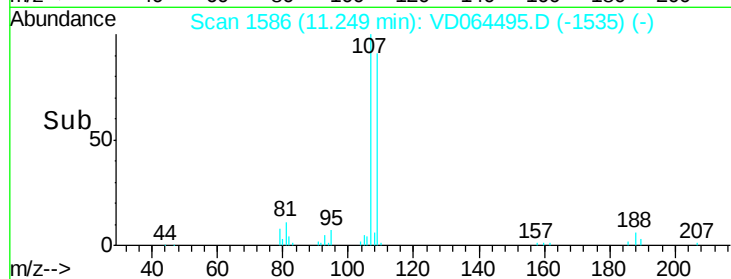
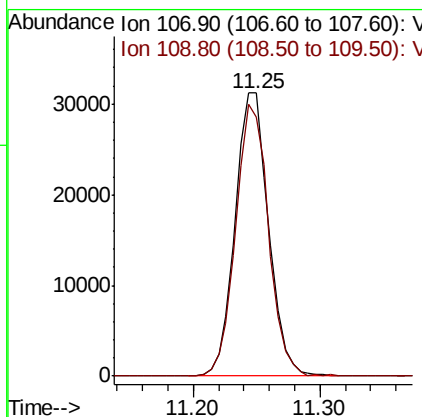
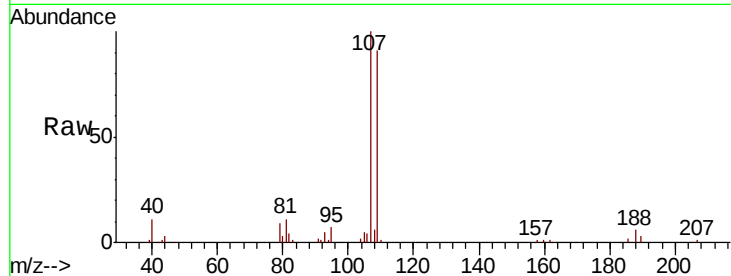
#61
 1,2-Dibromoethane
 Concen: 18.995 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064495.D
 Acq: 11 Dec 2019 12:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1211SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.9	76.2	114.2

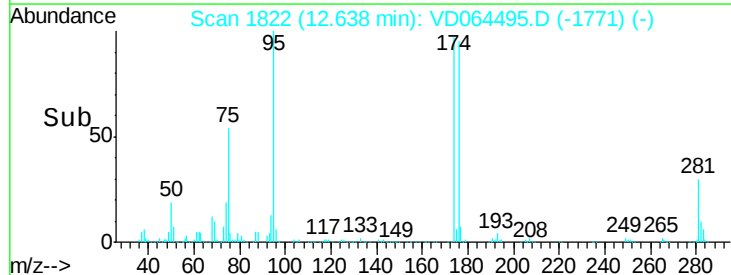
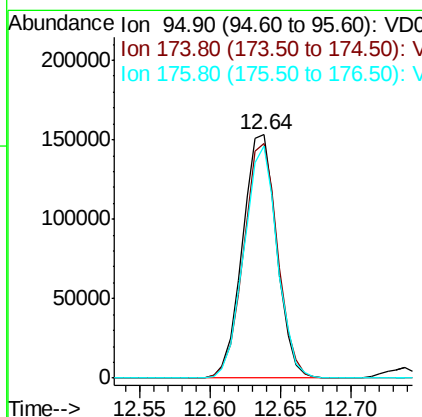
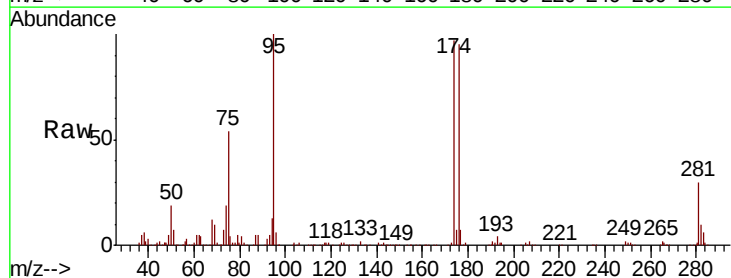
Manual Integrations
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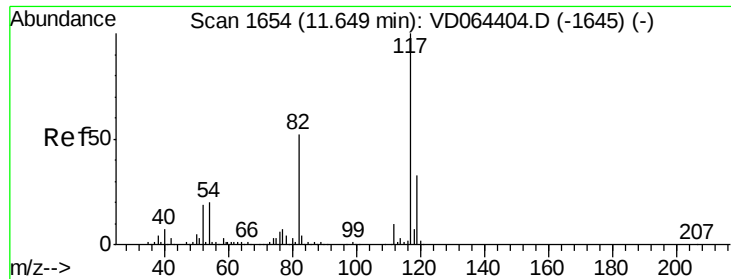
apatel
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#62
 4-Bromofluorobenzene
 Concen: 55.063 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064495.D
 Acq: 11 Dec 2019 12:25

Tgt Ion	Ratio	Lower	Upper
95	100		
174	96.1	0.0	197.2
176	93.2	0.0	189.6





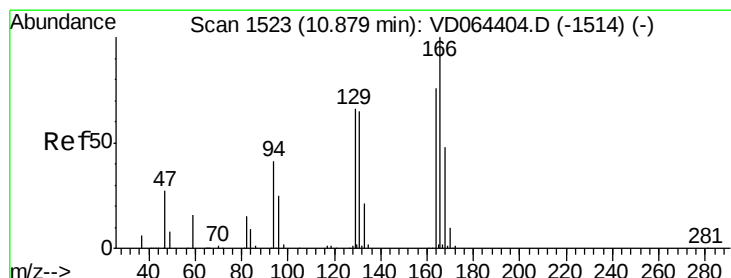
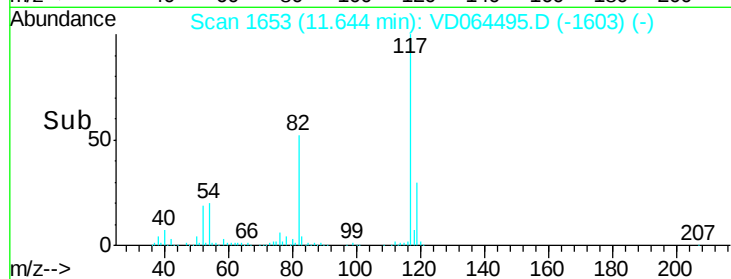
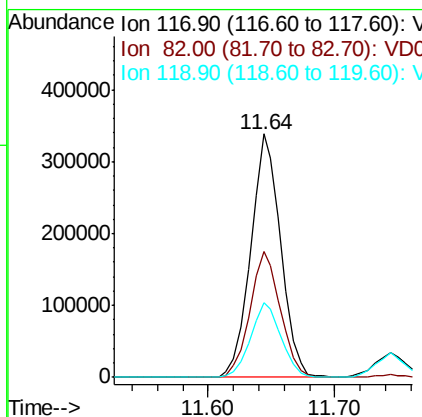
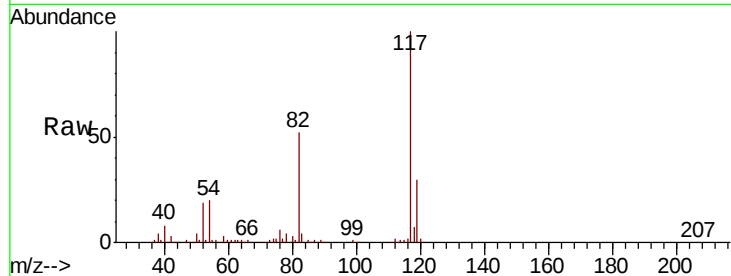
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.01 min
Lab File: VD064495.D
Acq: 11 Dec 2019 12:25

Instrument :
MSVOA_D
ClientSampleId :
VD1211SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	555982		
82	51.8		41.4	62.2
119	30.4		26.2	39.2

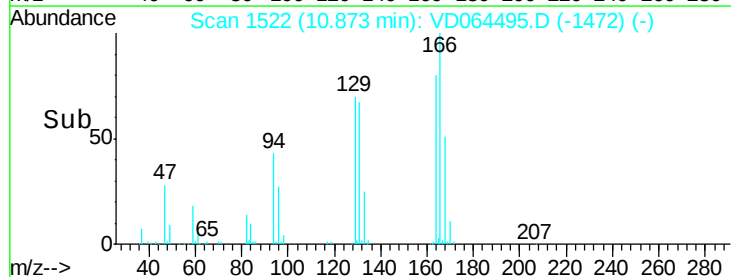
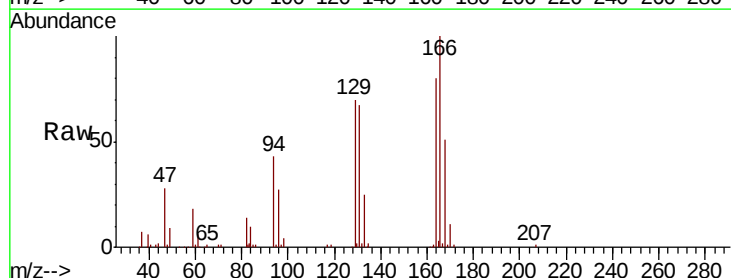
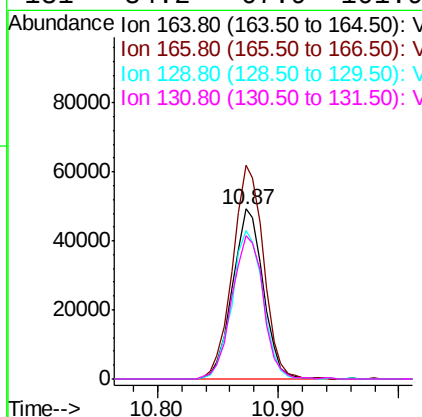
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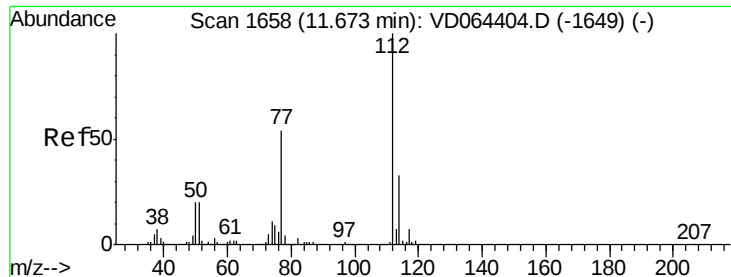
apatel
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#64
Tetrachloroethene
Concen: 20.591 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.01 min
Lab File: VD064495.D
Acq: 11 Dec 2019 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	87303		
166	125.5		104.8	157.2
129	87.6		68.7	103.1
131	84.2		67.9	101.9





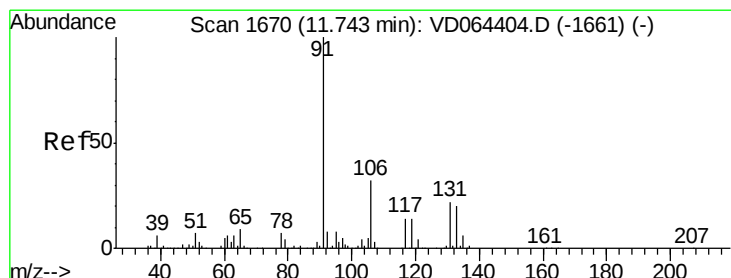
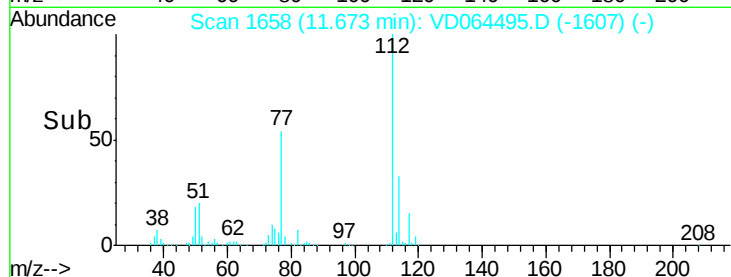
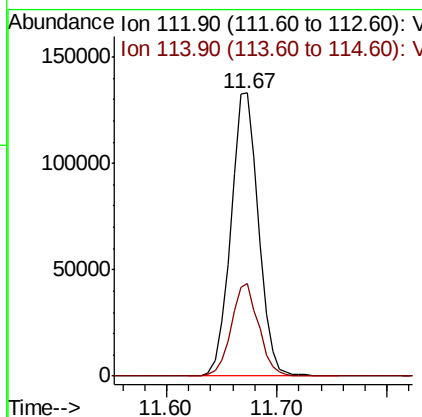
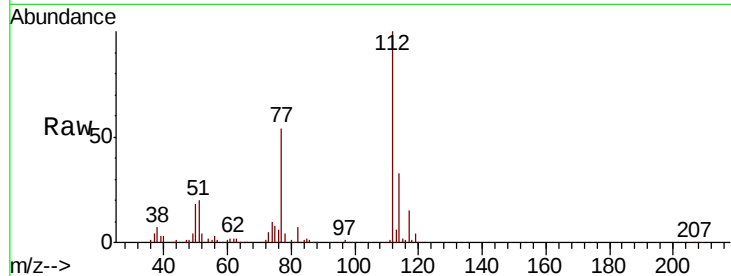
#65
Chlorobenzene
Concen: 20.179 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064495.D
Acq: 11 Dec 2019 12:25

Instrument :
MSVOA_D
ClientSampleId :
VD1211SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.8	26.5	39.7

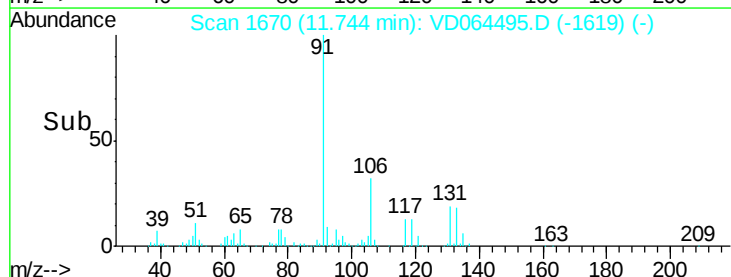
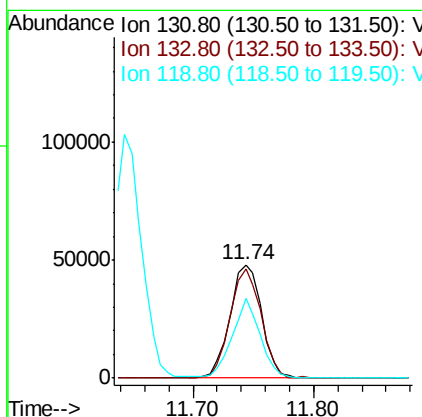
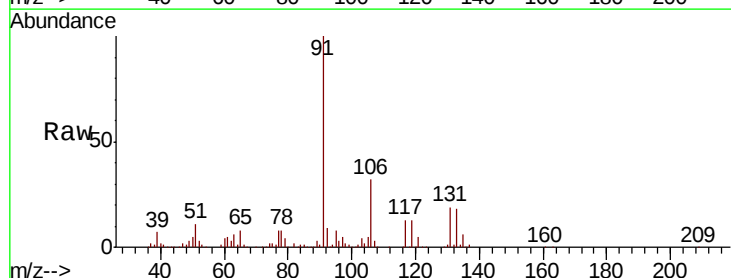
Manual Integrations
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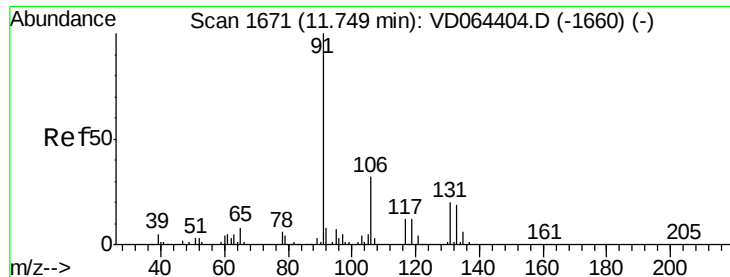
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.540 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD064495.D
Acq: 11 Dec 2019 12:25

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.4	48.3	144.9
119	61.7	31.9	95.9





#67

Ethyl Benzene

Concen: 20.348 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.01 min

Lab File: VD064495.D

Acq: 11 Dec 2019 12:25

Instrument :

MSVOA_D

ClientSampleId :

VD1211SBS01

Tot Ion: 91 Resp: 419811

Ion Ratio Lower Upper

91 100

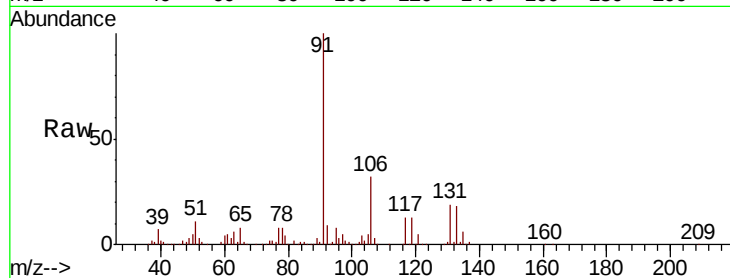
106 31.6 25.8 38.8

Manual Integrations

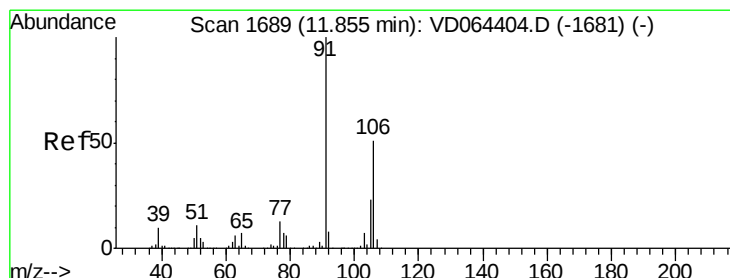
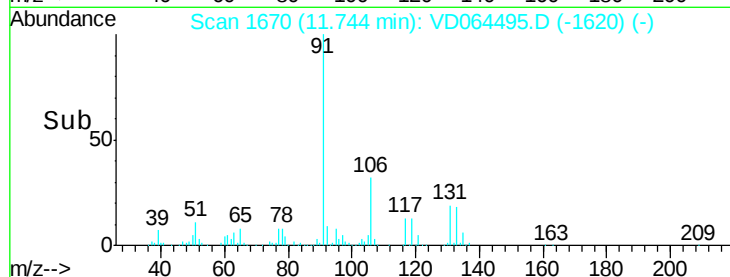
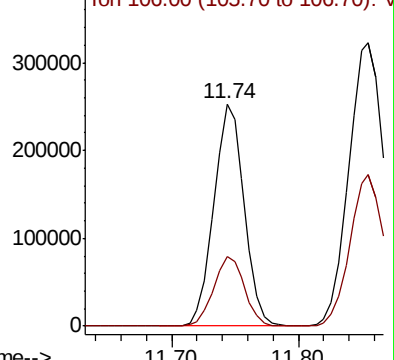
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Abundance Ion 91.00 (90.70 to 91.70): VD064404.D (-1660) (-)



#68

m/p-Xylenes

Concen: 41.204 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064495.D

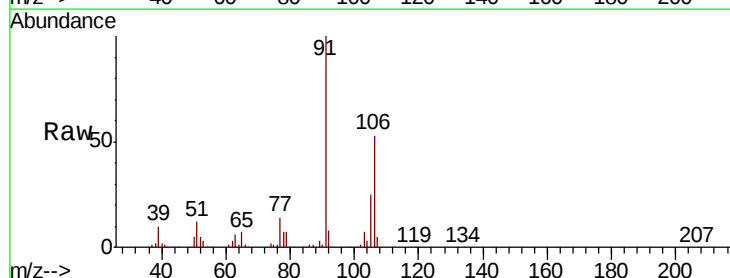
Acq: 11 Dec 2019 12:25

Tgt Ion: 106 Resp: 324144

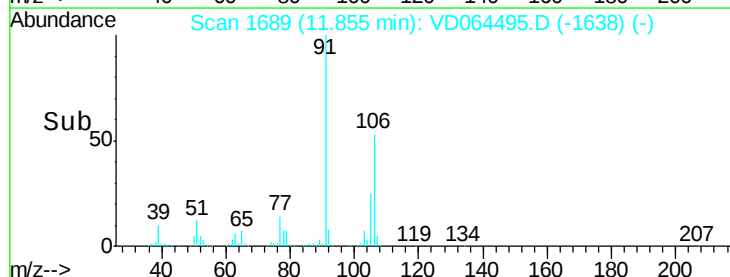
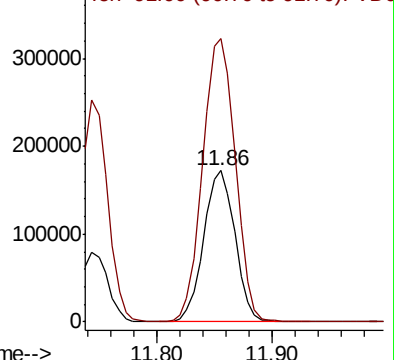
Ion Ratio Lower Upper

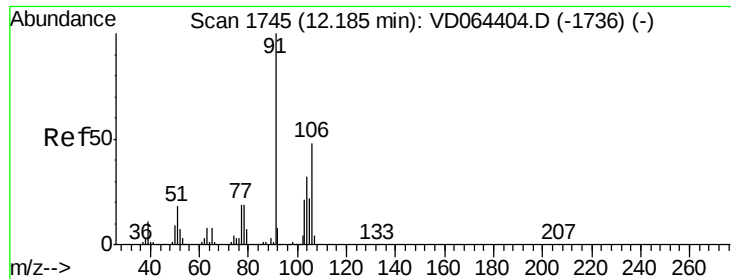
106 100

91 195.0 157.4 236.2



Abundance Ion 106.00 (105.70 to 106.70): VD064404.D (-1681) (-)





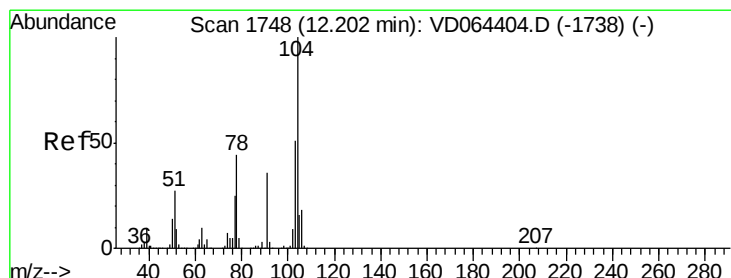
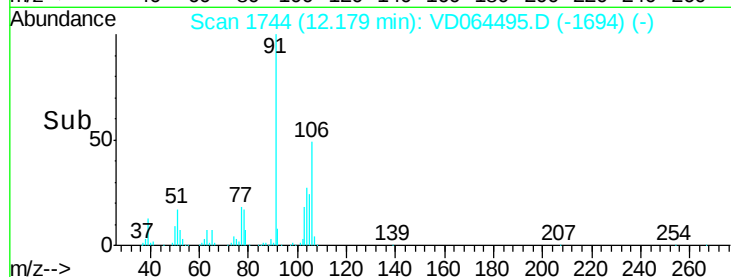
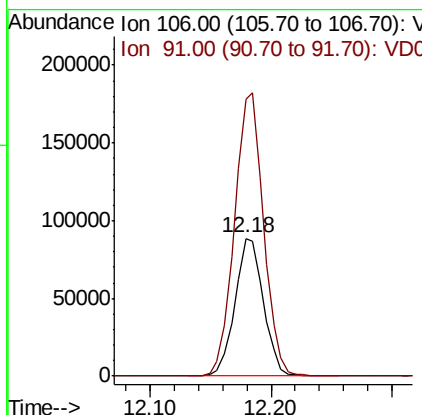
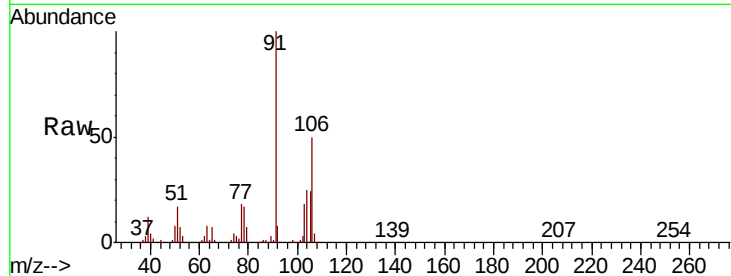
#69
o-Xylene
Concen: 20.019 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.01 min
Lab File: VD064495.D
Acq: 11 Dec 2019 12:25

Instrument :
MSVOA_D
ClientSampleId :
VD1211SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		145449		
91	210.3	103.8	311.4		

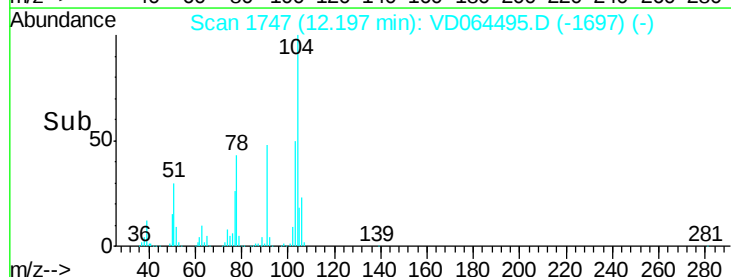
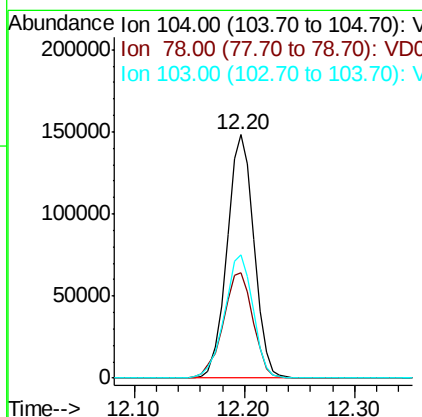
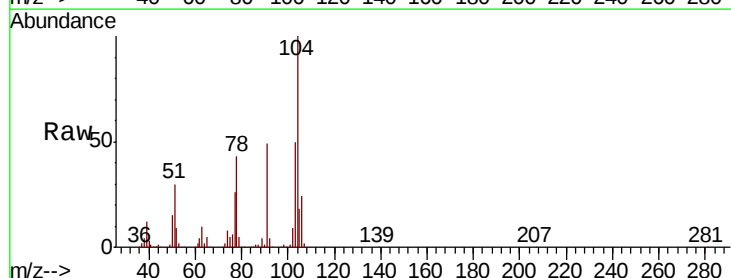
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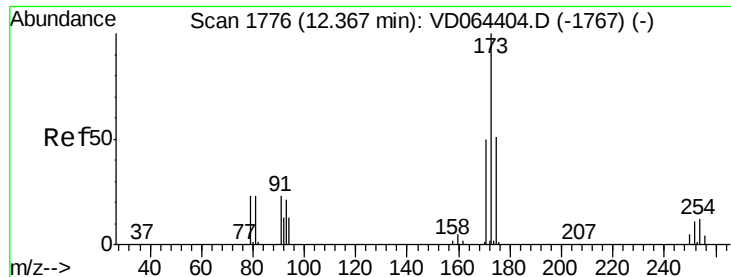
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#70
Styrene
Concen: 20.057 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD064495.D
Acq: 11 Dec 2019 12:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		253227		
78	48.1	38.8	58.2		
103	53.8	44.2	66.4		





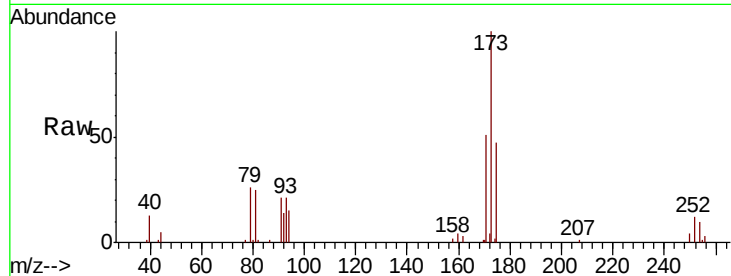
#71
Bromoform
Concen: 18.305 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. -0.01 min
Lab File: VD064495.D
Acq: 11 Dec 2019 12:25

Instrument :
MSVOA_D
ClientSampleId :
VD1211SBS01

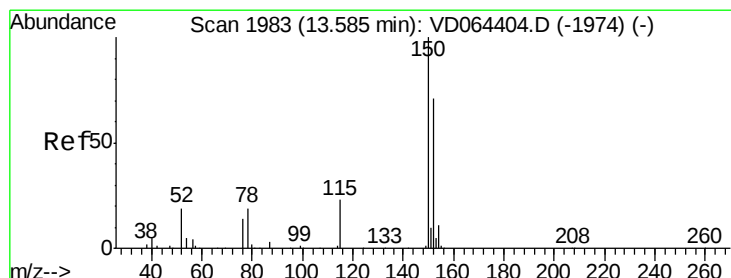
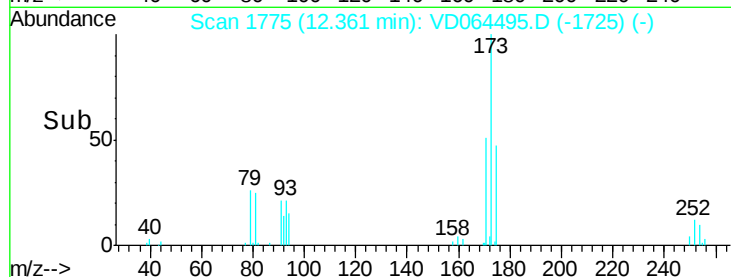
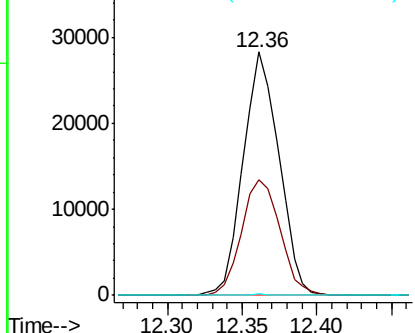
Tot Ion	Ratio	Lower	Upper
173	100		
175	51.0	25.3	75.8
254	0.1	0.0	0.0

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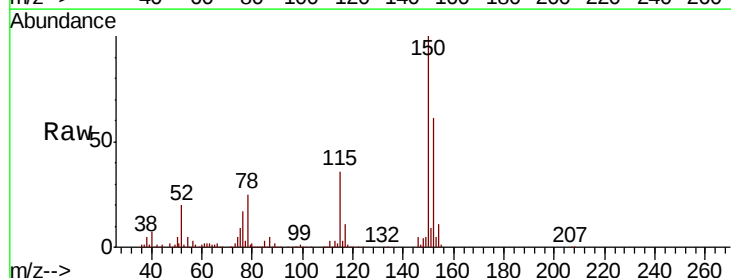


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

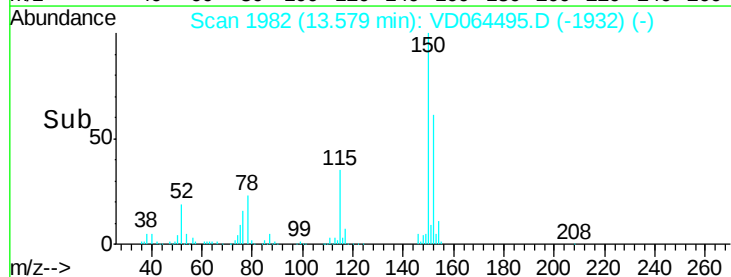
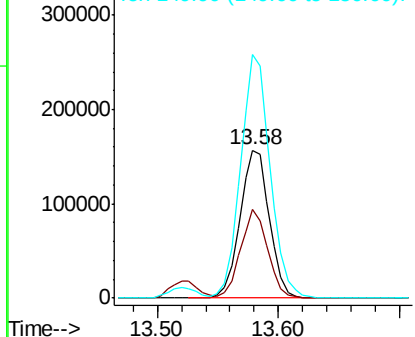


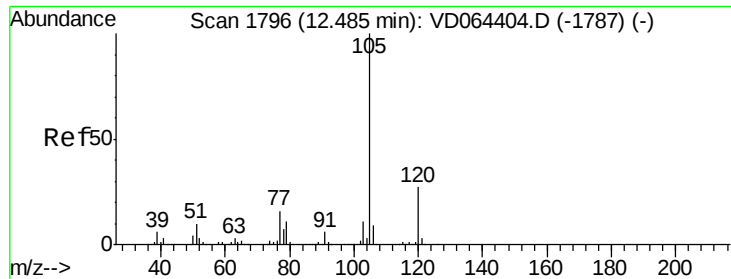
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD064495.D
Acq: 11 Dec 2019 12:25

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.5	26.7	80.1
150	166.5	0.0	347.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.348 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.01 min

Lab File: VD064495.D

Acq: 11 Dec 2019 12:25

Instrument :

MSVOA_D

ClientSampleId :

VD1211SBS01

Tot Ion:105 Resp: 404664

Ion Ratio Lower Upper

105 100

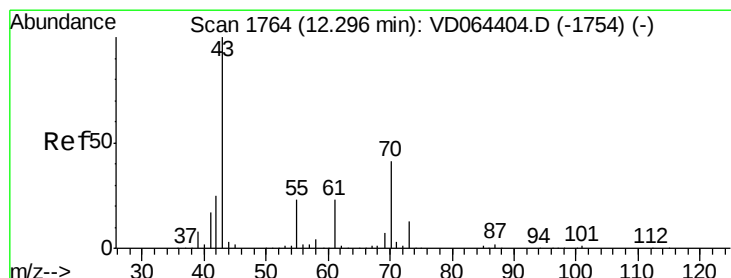
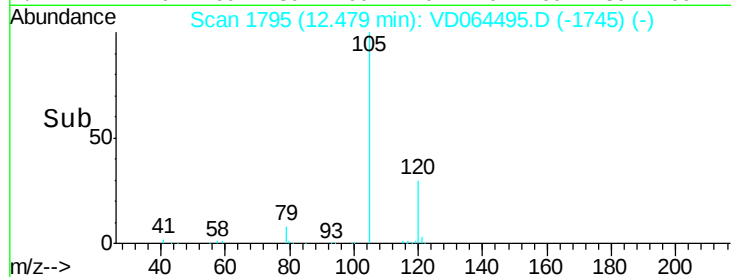
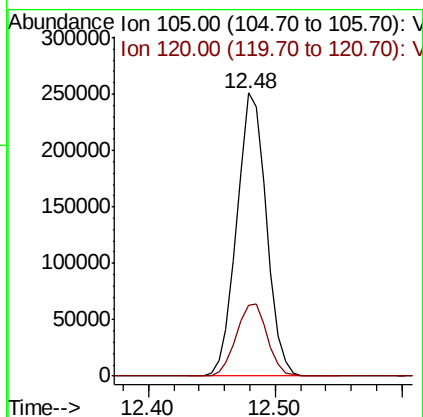
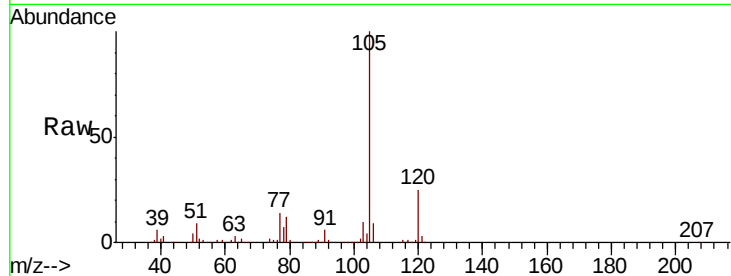
120 26.8 13.4 40.2

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#74

N-ethyl acetate

Concen: 18.921 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD064495.D

Acq: 11 Dec 2019 12:25

Tgt Ion: 43 Resp: 81400

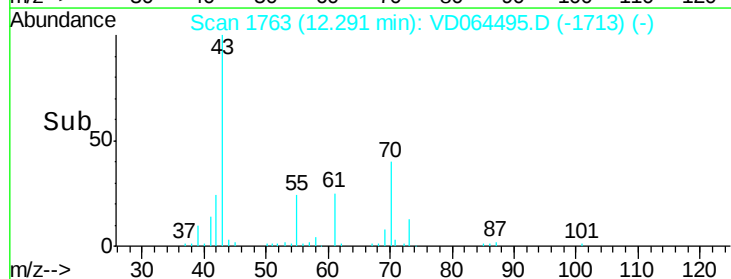
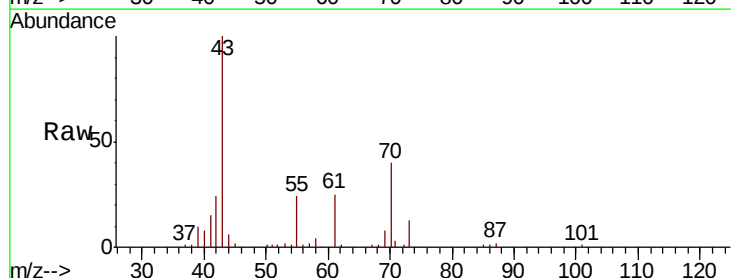
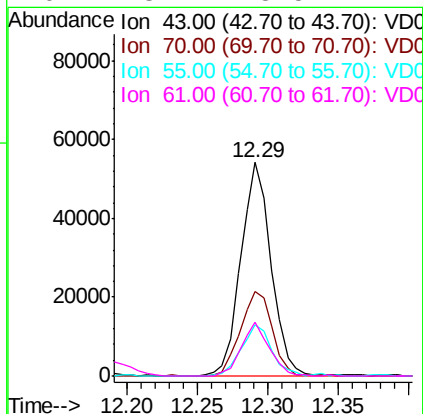
Ion Ratio Lower Upper

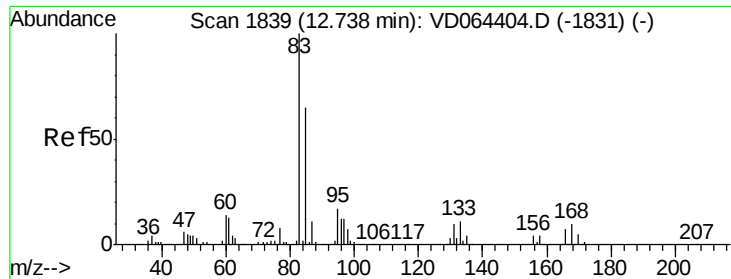
43 100

70 41.8 33.4 50.2

55 24.0 18.9 28.3

61 23.1 18.5 27.7





#75

1,1,2,2-Tetrachloroethane

Concen: 19.233 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD064495.D

Acq: 11 Dec 2019 12:25

Instrument :

MSVOA_D

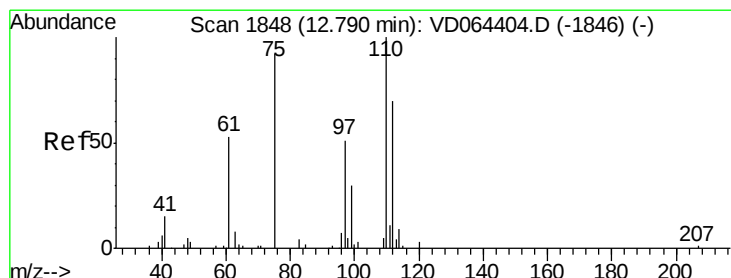
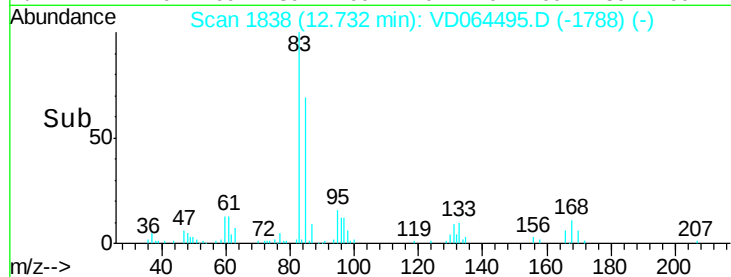
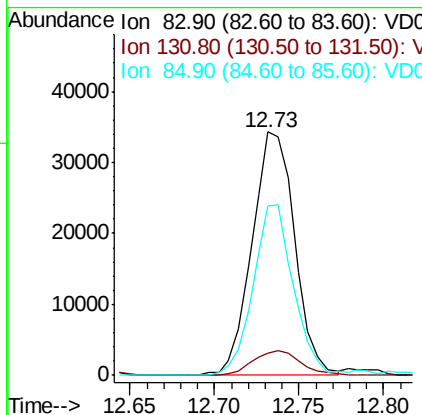
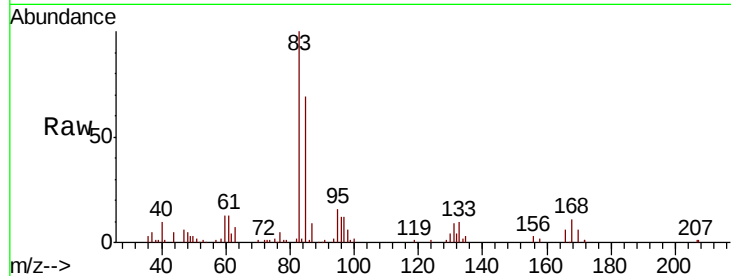
ClientSampleId :

VD1211SBS01

Tot Ion:	83	Resp:	60289
Ion Ratio	Lower	Upper	
83	100		
131	11.4	5.7	17.0
85	66.1	31.3	93.9

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#76

1,2,3-Trichloropropane

Concen: 20.160 ug/l m

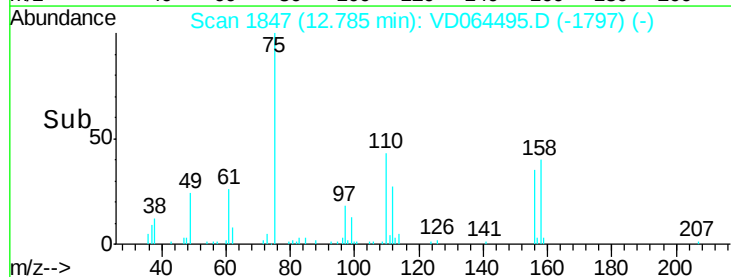
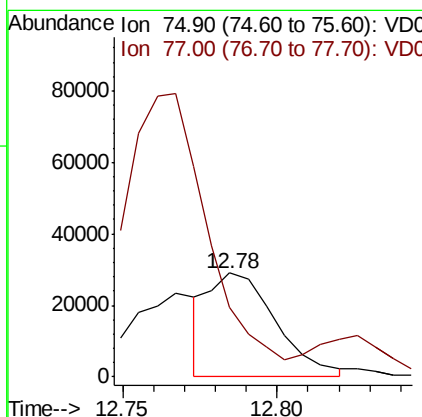
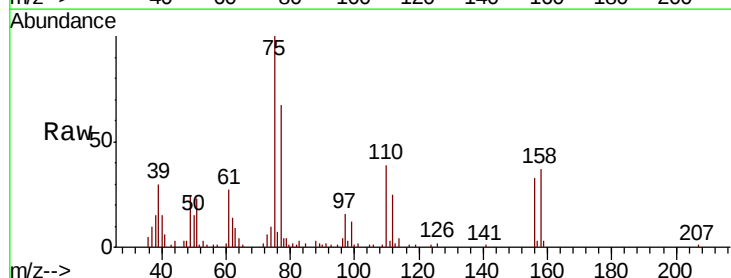
RT: 12.78 min Scan# 1847

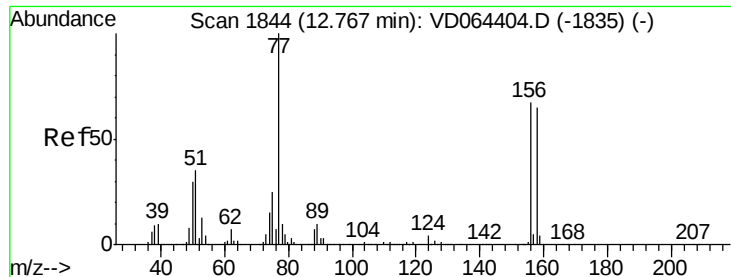
Delta R.T. -0.01 min

Lab File: VD064495.D

Acq: 11 Dec 2019 12:25

Tgt Ion:	75	Resp:	43696
Ion Ratio	Lower	Upper	
75	100		
77	352.4	0.0	0.0#





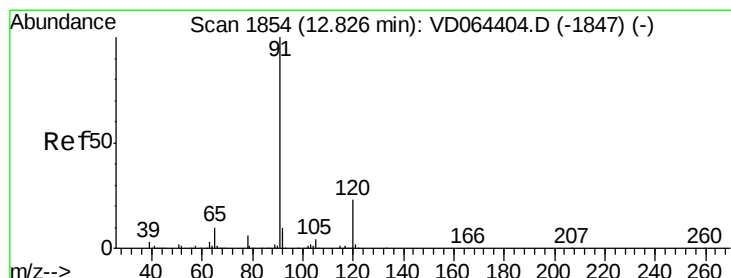
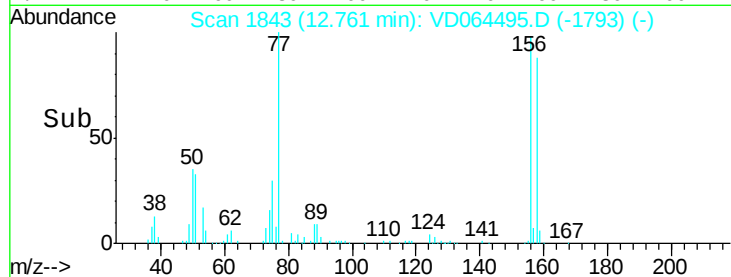
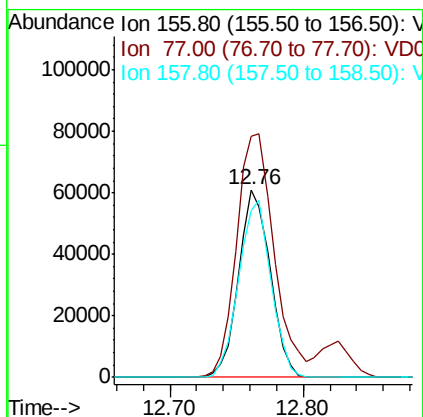
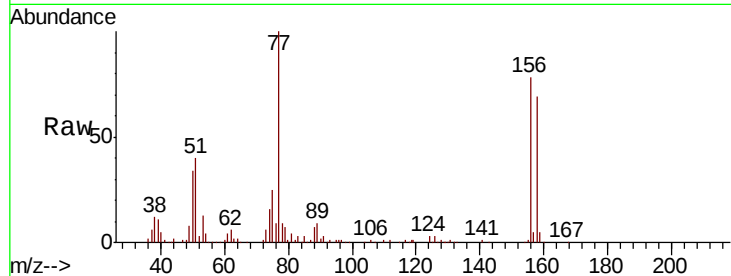
#77
Bromobenzene
Concen: 21.361 ug/l
RT: 12.76 min Scan# 1843
Delta R.T. -0.01 min
Lab File: VD064495.D
Acq: 11 Dec 2019 12:25

Instrument :
MSVOA_D
ClientSampleId :
VD1211SBS01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	154.0	80.0	240.2	
158	96.3	48.9	146.6	

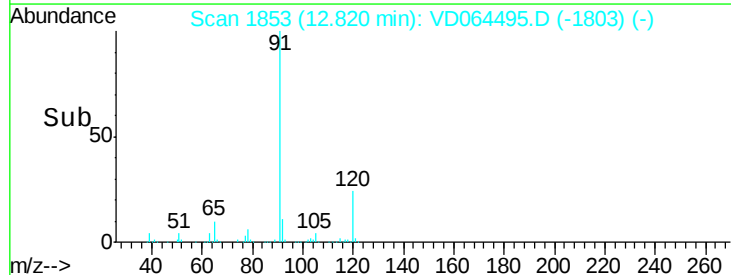
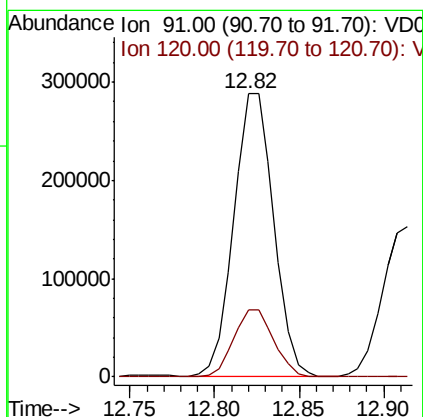
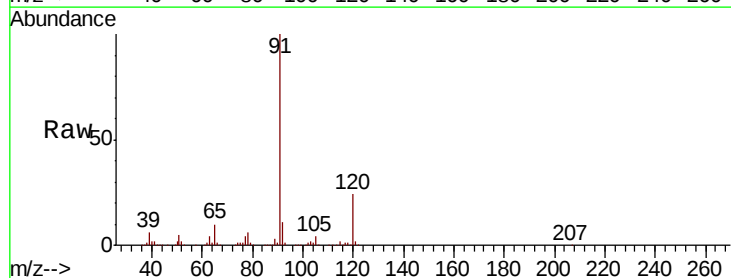
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#78
n-propylbenzene
Concen: 21.596 ug/l
RT: 12.82 min Scan# 1853
Delta R.T. -0.01 min
Lab File: VD064495.D
Acq: 11 Dec 2019 12:25

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	23.8	11.9	35.9	





#79

2-Chlorotoluene

Concen: 21.190 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064495.D

Acq: 11 Dec 2019 12:25

Instrument :

MSVOA_D

ClientSampleId :

VD1211SBS01

Tot Ion: 91 Resp: 255010

Ion Ratio Lower Upper

91 100

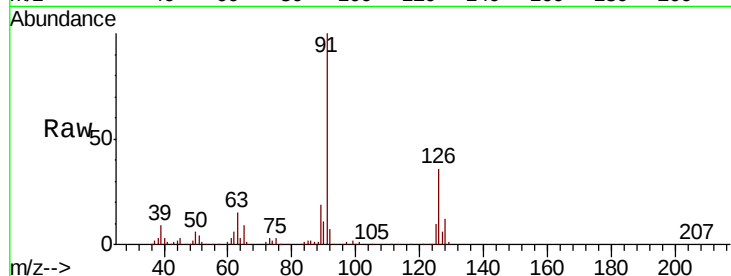
126 36.2 18.0 54.0

Manual Integrations

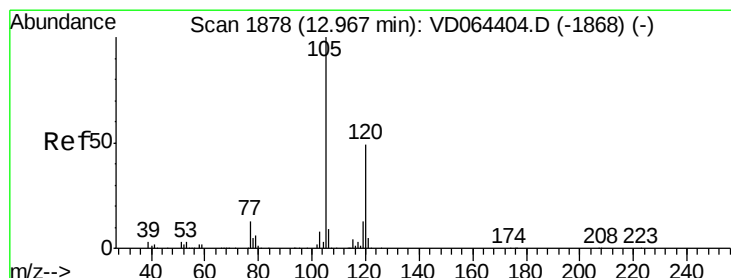
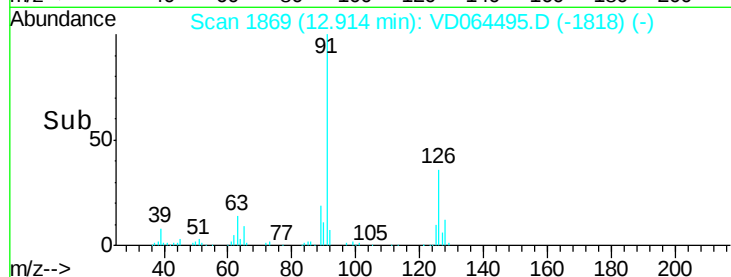
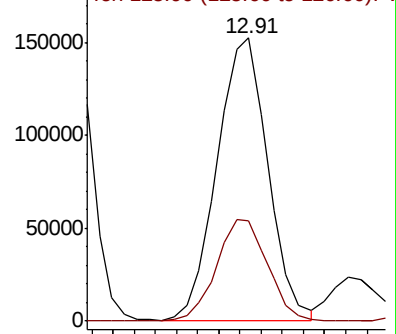
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Abundance Ion 91.00 (90.70 to 91.70): VD064404.D (-1862) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.353 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. -0.01 min

Lab File: VD064495.D

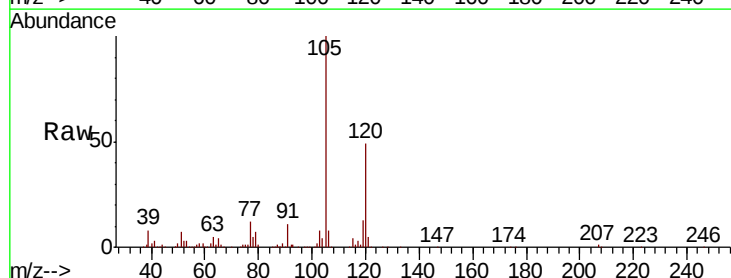
Acq: 11 Dec 2019 12:25

Tgt Ion:105 Resp: 330762

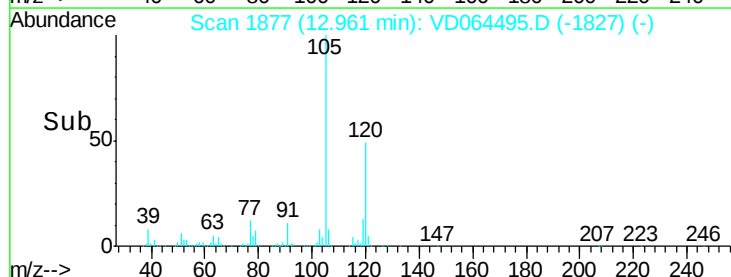
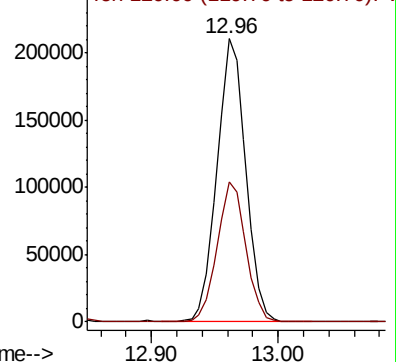
Ion Ratio Lower Upper

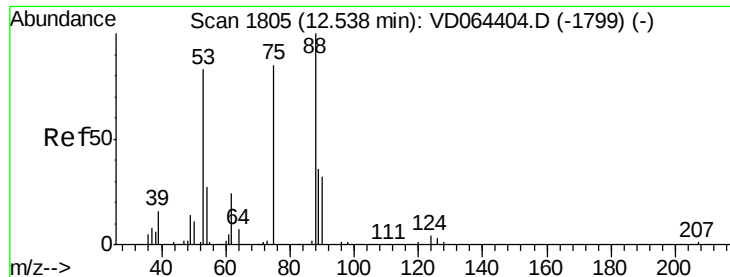
105 100

120 49.4 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): VD064404.D (-1868) (-)





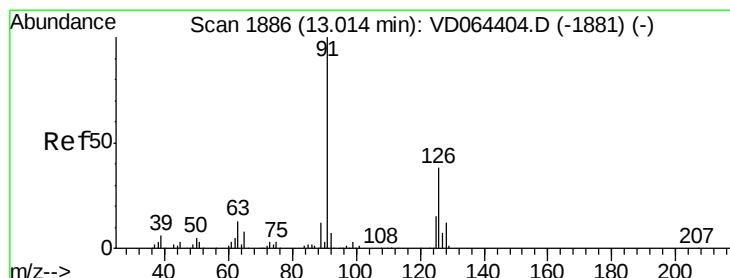
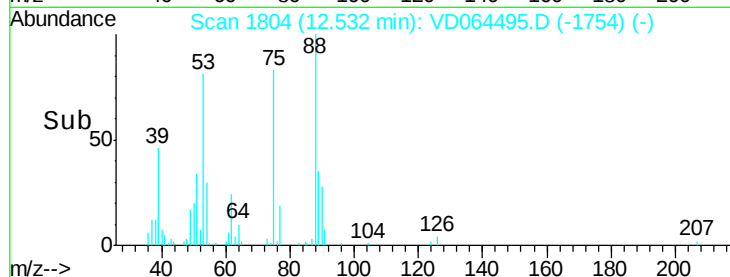
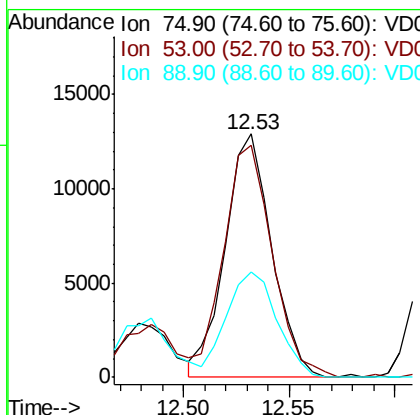
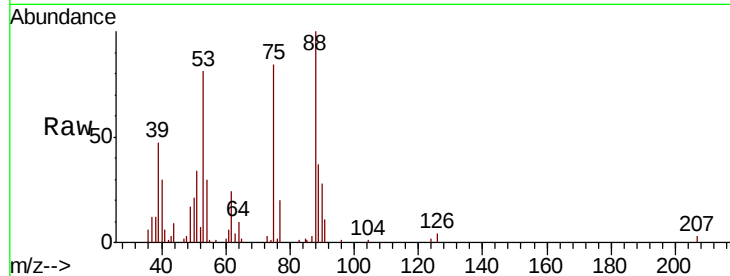
#81
trans-1,4-Dichloro-2-butene
Concen: 19.859 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.01 min
Lab File: VD064495.D
Acq: 11 Dec 2019 12:25

Instrument :
MSVOA_D
ClientSampleId :
VD1211SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	99.7	81.0	121.6
89	46.8	38.5	57.7

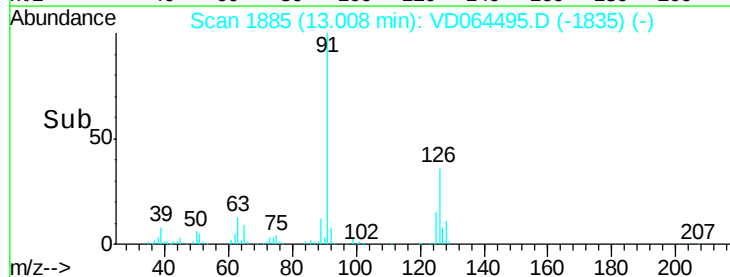
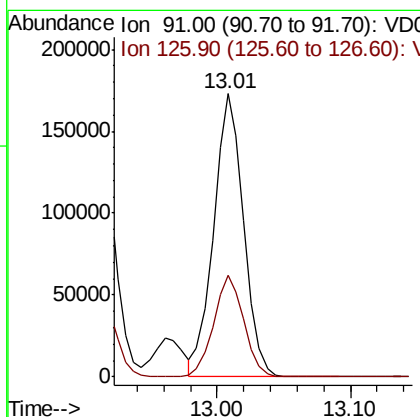
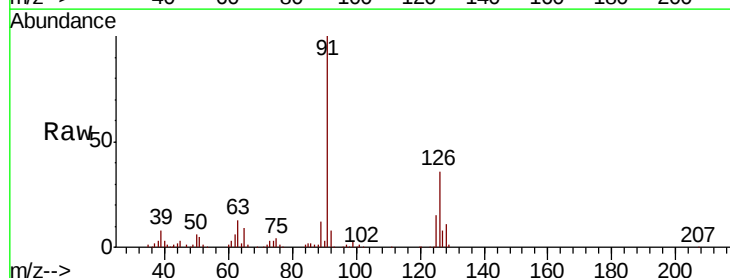
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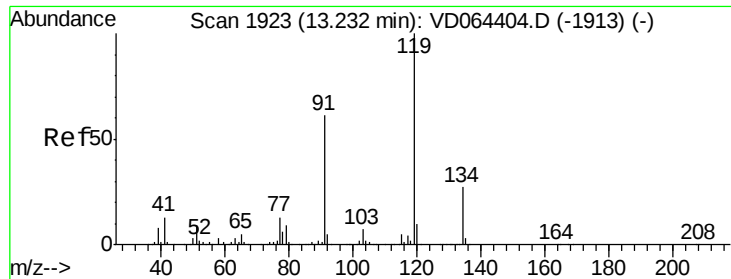
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#82
4-Chlorotoluene
Concen: 21.279 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VD064495.D
Acq: 11 Dec 2019 12:25

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.2	18.2	54.6





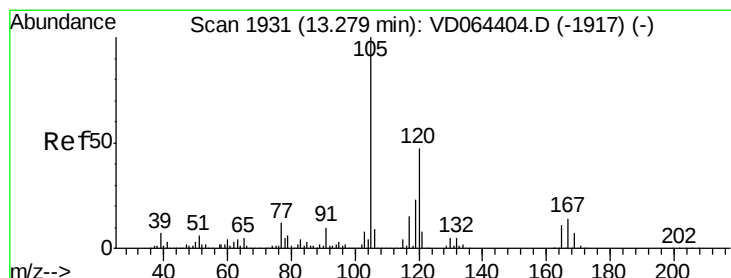
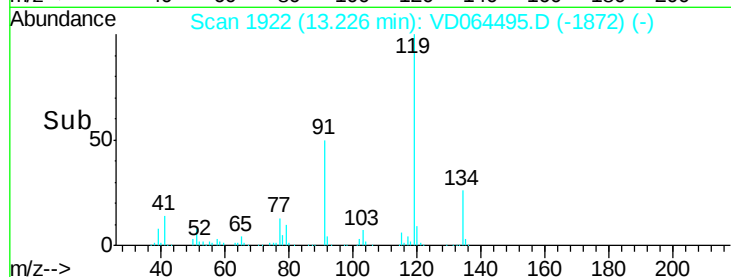
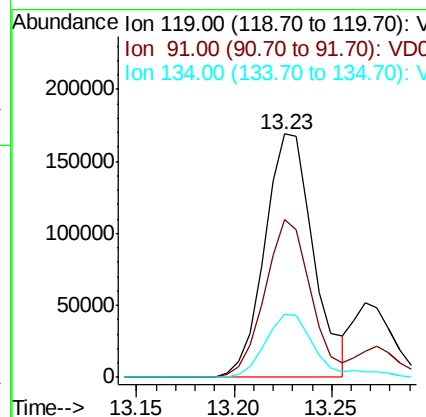
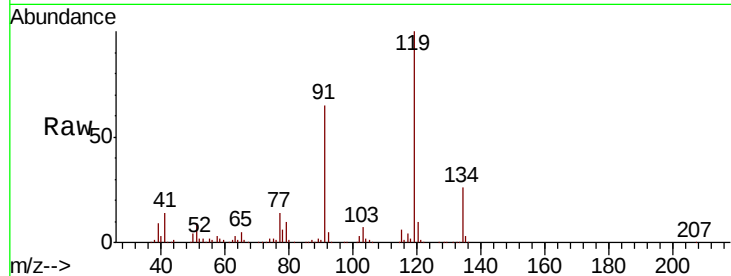
#83
tert-Butylbenzene
Concen: 21.695 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. -0.01 min
Lab File: VD064495.D
Acq: 11 Dec 2019 12:25

Instrument :
MSVOA_D
ClientSampleId :
VD1211SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	292166		
91	61.1		31.2	93.6
134	27.1		13.9	41.7

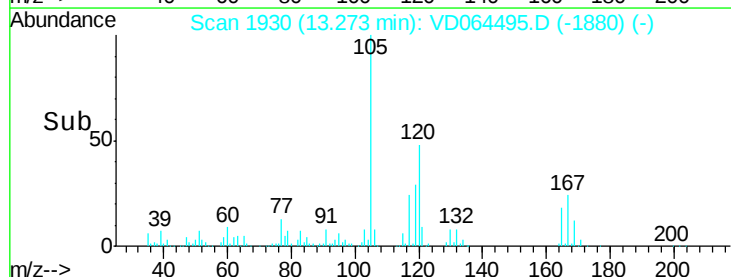
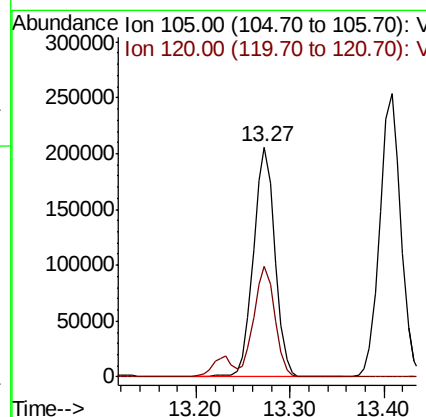
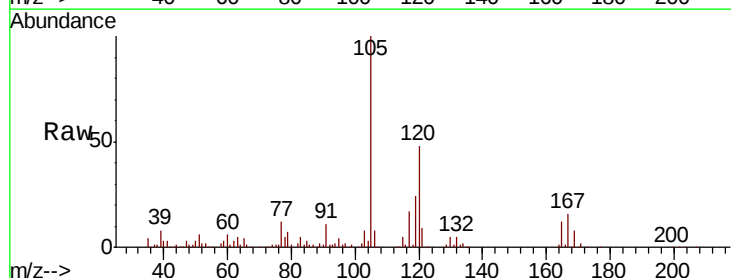
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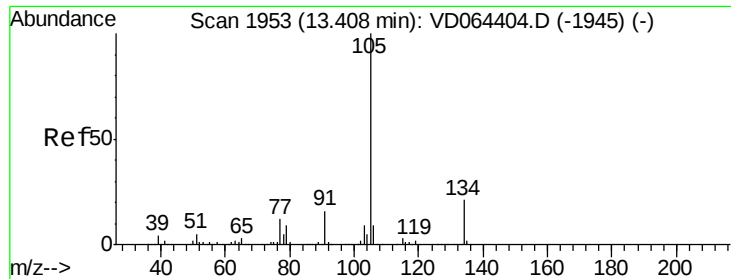
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#84
1,2,4-Trimethylbenzene
Concen: 20.960 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.01 min
Lab File: VD064495.D
Acq: 11 Dec 2019 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	326475		
120	46.8		23.6	70.8





#85

sec-Butylbenzene

Concen: 21.284 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064495.D

Acq: 11 Dec 2019 12:25

Instrument :

MSVOA_D

ClientSampleId :

VD1211SBS01

Tot Ion:105 Resp: 393389

Ion Ratio Lower Upper

105 100

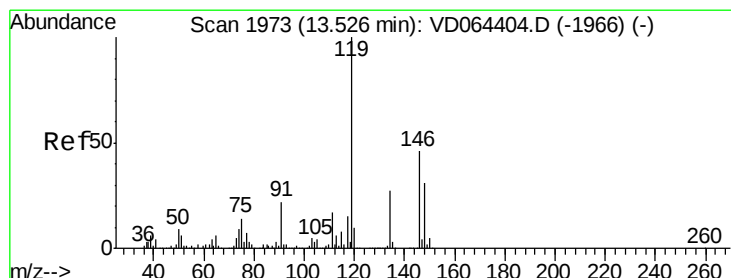
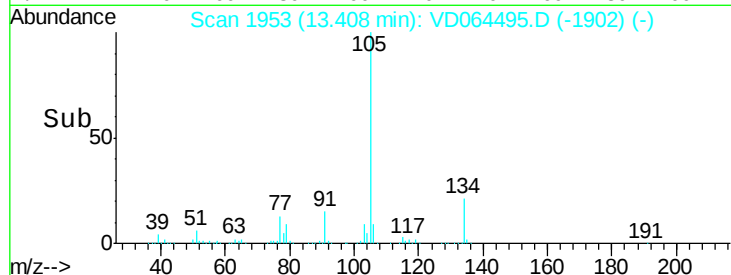
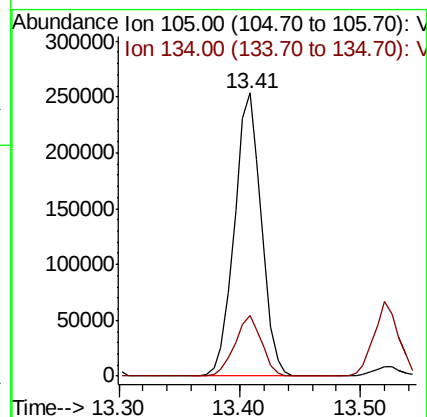
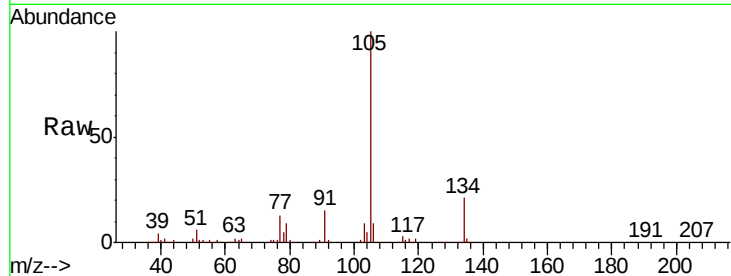
134 21.2 10.5 31.5

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#86

p-Isopropyltoluene

Concen: 21.048 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.01 min

Lab File: VD064495.D

Acq: 11 Dec 2019 12:25

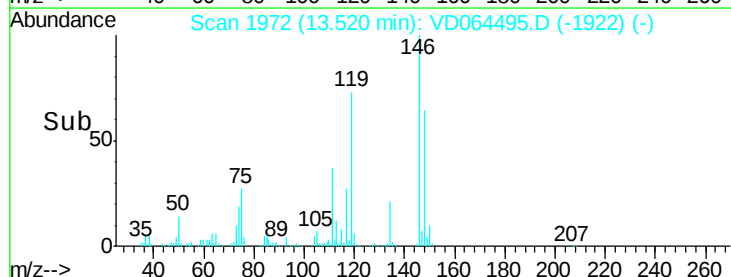
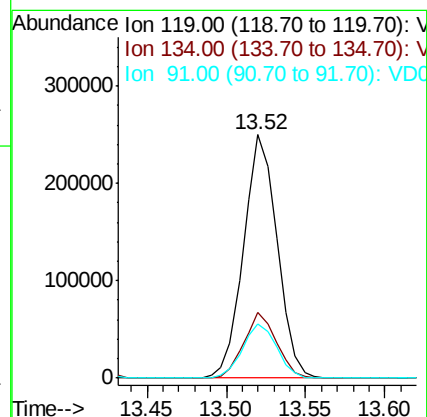
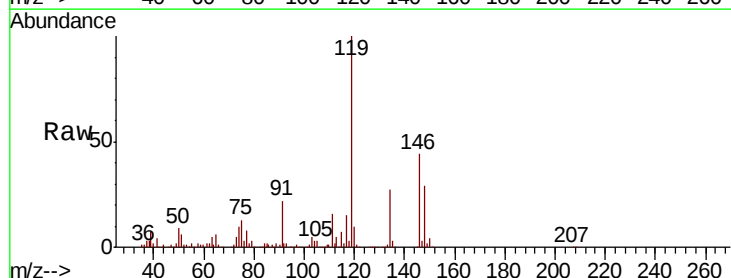
Tgt Ion:119 Resp: 367278

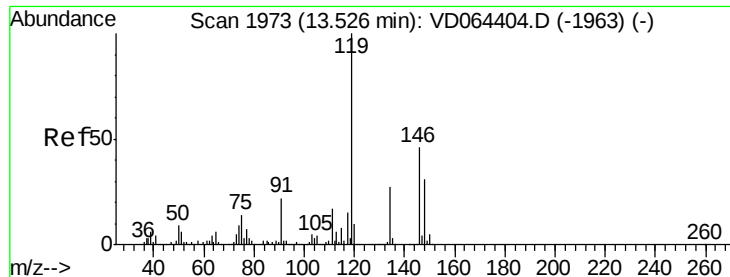
Ion Ratio Lower Upper

119 100

134 26.1 13.5 40.4

91 22.9 11.2 33.5





#87

1,3-Dichlorobenzene

Concen: 20.894 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.01 min

Lab File: VD064495.D

Acq: 11 Dec 2019 12:25

Instrument :

MSVOA_D

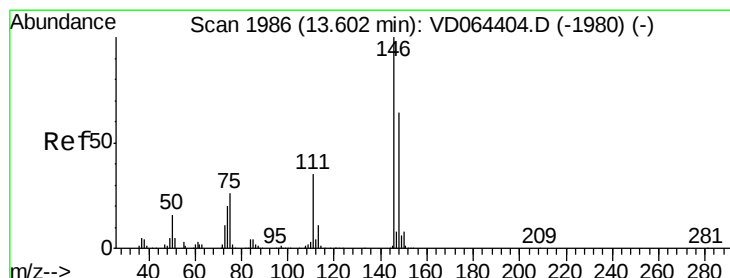
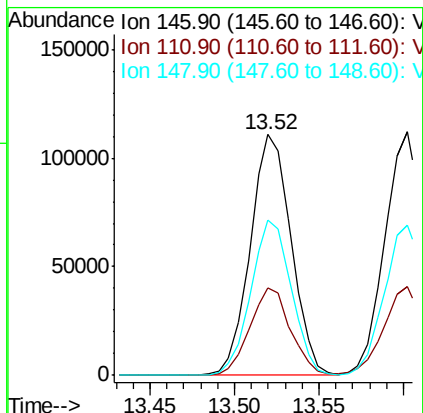
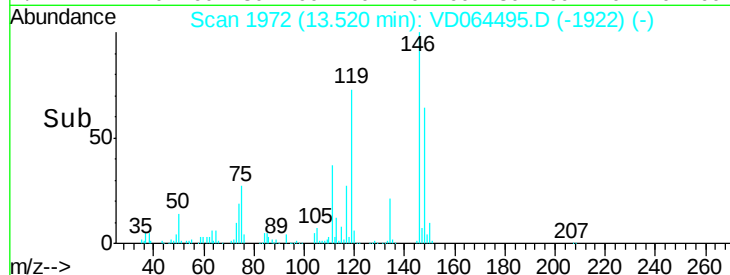
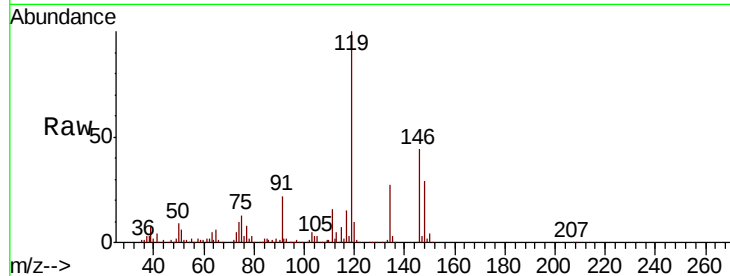
ClientSampleId :

VD1211SBS01

Tot Ion:	146	Resp:	185629
Ion Ratio	Lower	Upper	
146	100		
111	36.3	18.8	56.4
148	63.7	32.6	97.8

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#88

1,4-Dichlorobenzene

Concen: 20.961 ug/l

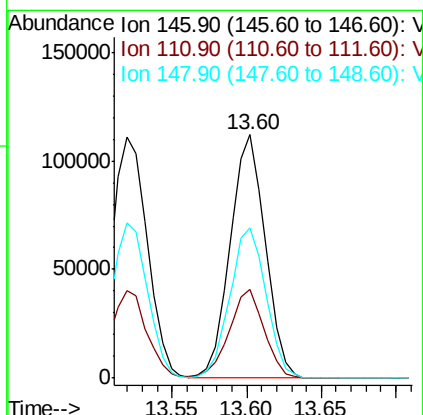
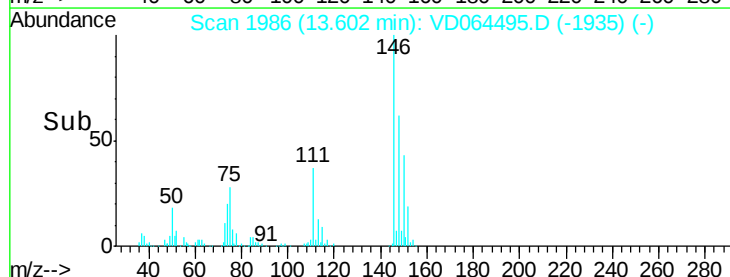
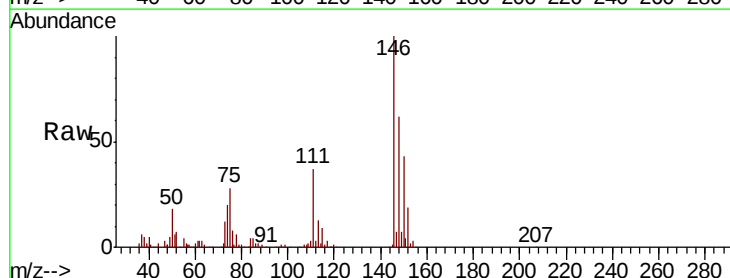
RT: 13.60 min Scan# 1986

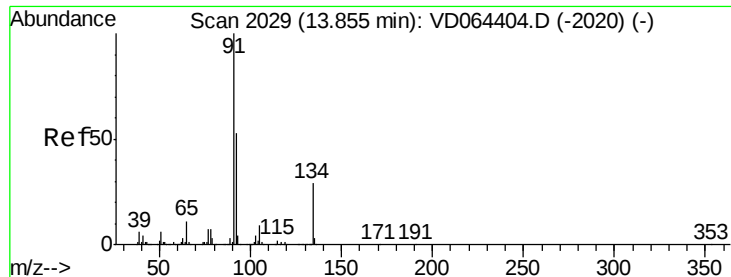
Delta R.T. 0.00 min

Lab File: VD064495.D

Acq: 11 Dec 2019 12:25

Tgt Ion:	146	Resp:	183862
Ion Ratio	Lower	Upper	
146	100		
111	36.5	18.2	54.6
148	63.5	31.8	95.4





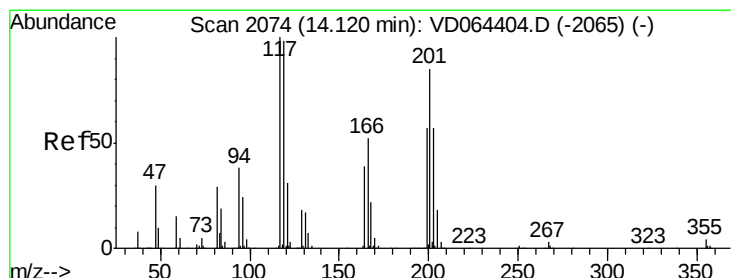
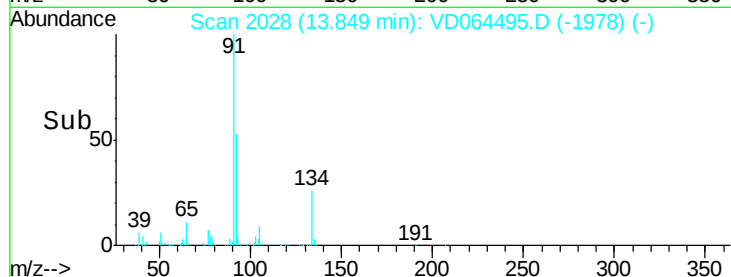
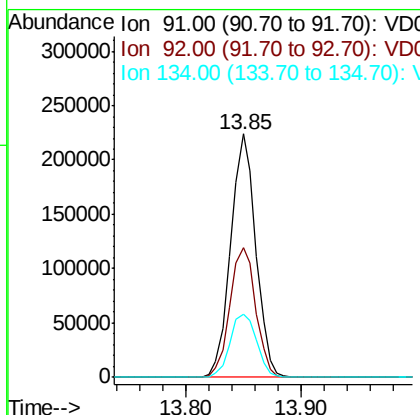
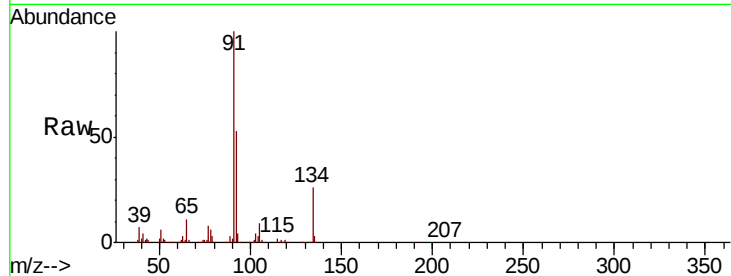
#89
n-Butylbenzene
Concen: 21.219 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.01 min
Lab File: VD064495.D
Acq: 11 Dec 2019 12:25

Instrument :
MSVOA_D
ClientSampleId :
VD1211SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.9	26.5	79.4
134	27.6	13.9	41.7

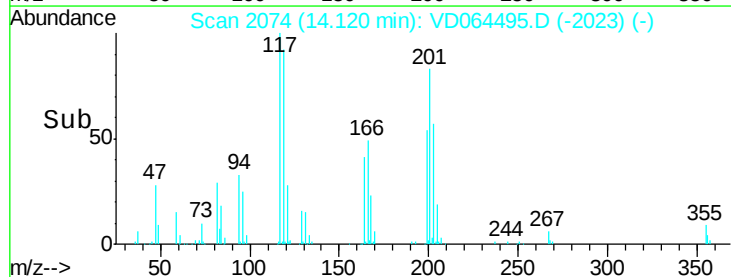
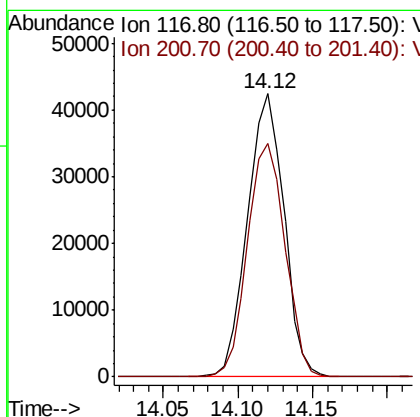
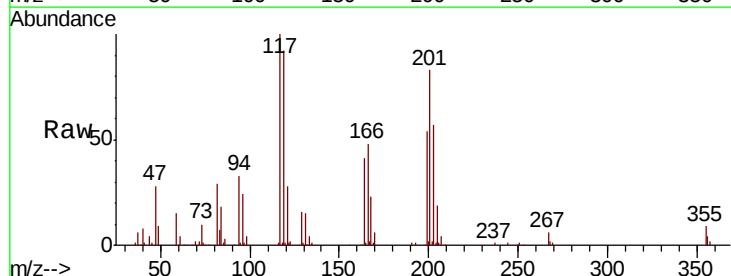
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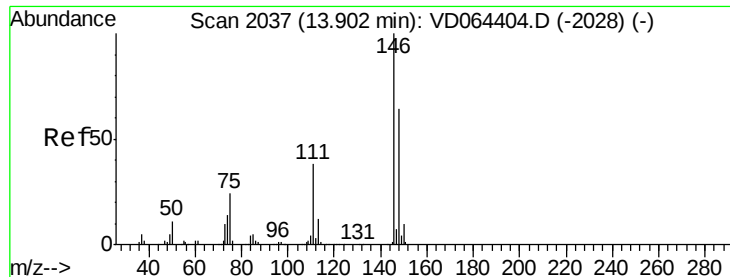
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#90
Hexachloroethane
Concen: 21.975 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064495.D
Acq: 11 Dec 2019 12:25

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.1	44.3	132.8





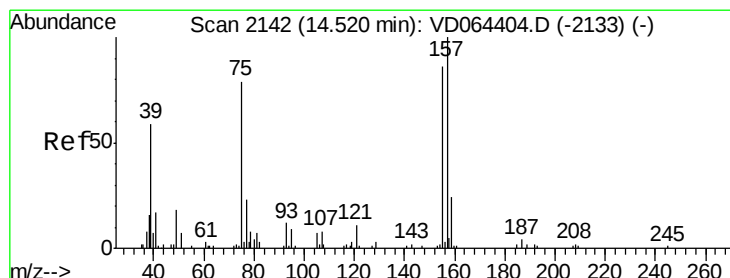
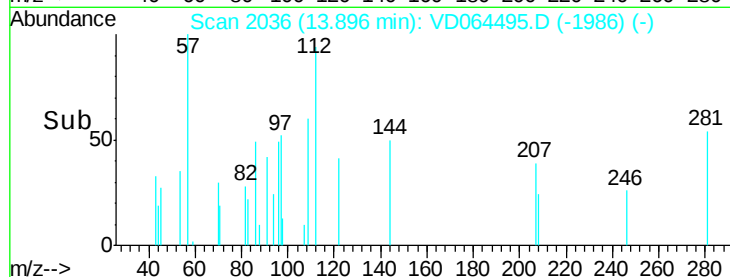
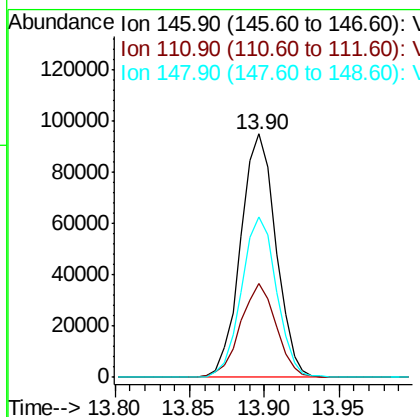
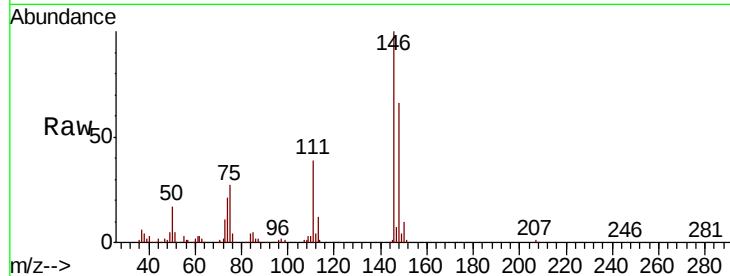
#91
 1,2-Dichlorobenzene
 Concen: 20.512 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD064495.D
 Acq: 11 Dec 2019 12:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1211SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.1	57.3
148	65.2	32.0	96.0

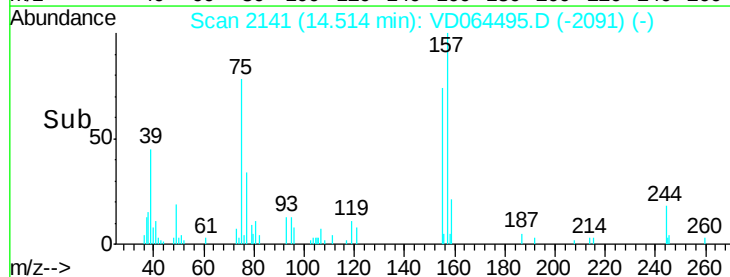
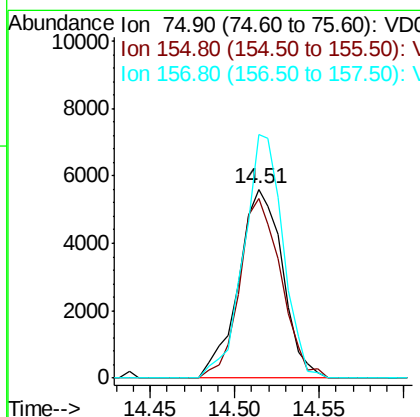
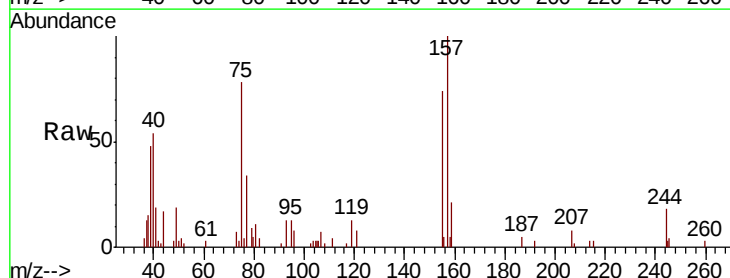
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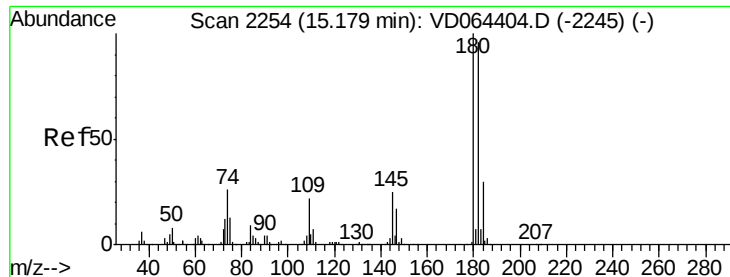
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.976 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.00 min
 Lab File: VD064495.D
 Acq: 11 Dec 2019 12:25

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.3	51.9	155.7
157	115.4	63.2	189.8





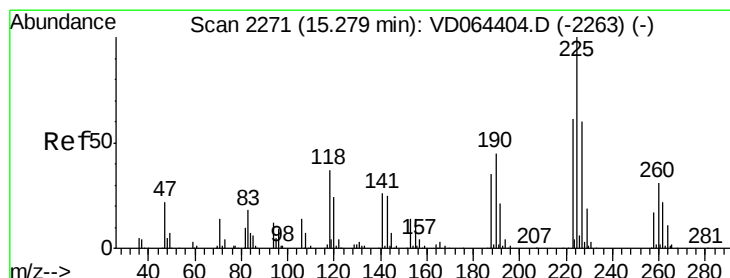
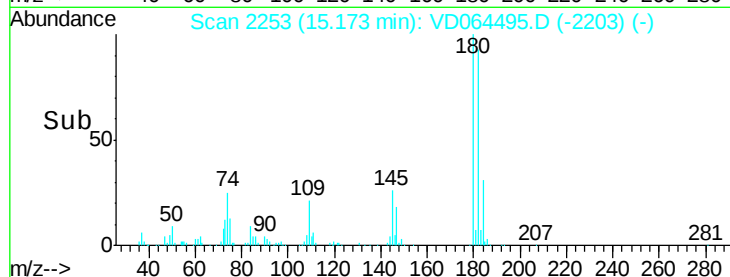
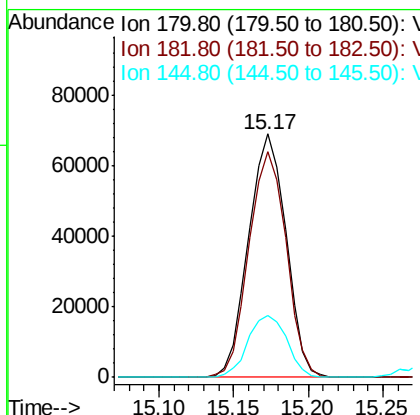
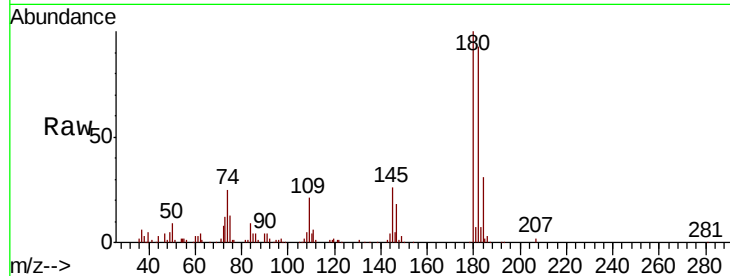
#93
 1,2,4-Trichlorobenzene
 Concen: 20.651 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD064495.D
 Acq: 11 Dec 2019 12:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1211SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	120085		
182	92.0		47.4	142.3
145	26.3		14.0	41.9

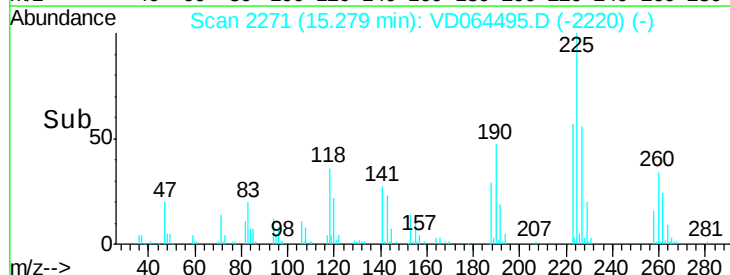
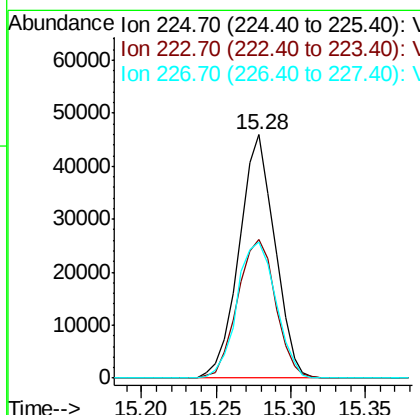
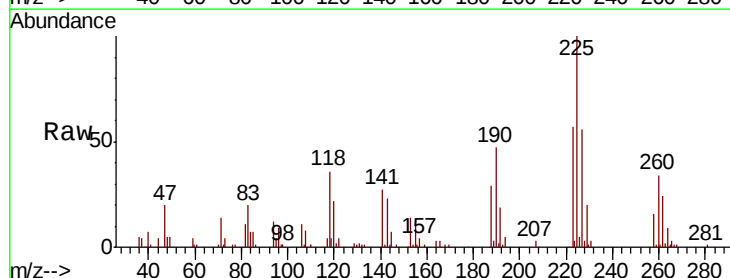
Manual Integrations
 APPROVED

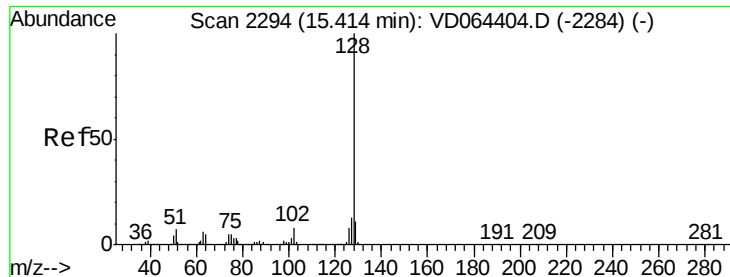
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#94
 Hexachlorobutadiene
 Concen: 21.217 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064495.D
 Acq: 11 Dec 2019 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	76163		
223	60.7		31.1	93.3
227	61.2		31.8	95.4





#95

Naphthalene

Concen: 18.166 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD064495.D

Acq: 11 Dec 2019 12:25

Instrument :

MSVOA_D

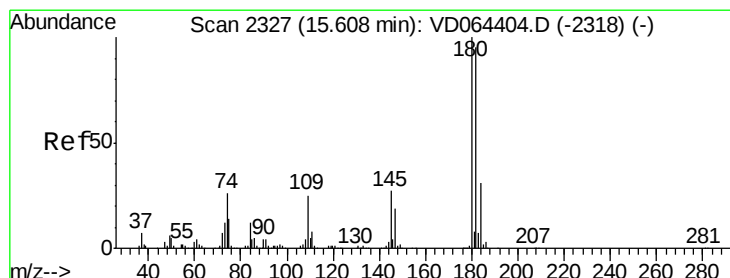
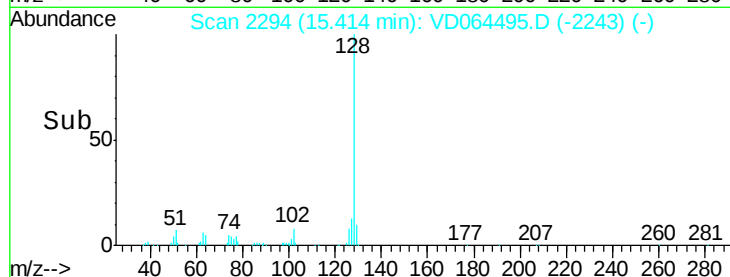
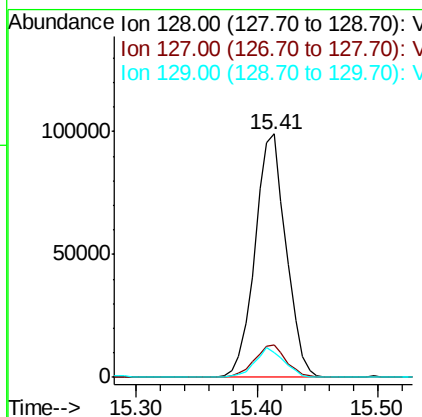
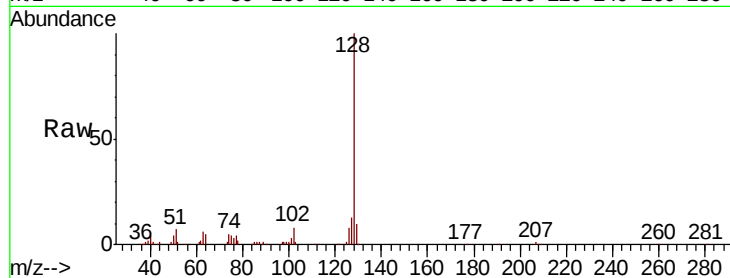
ClientSampleId :

VD1211SBS01

Tot Ion:	128	Resp:	176287
Ion Ratio	Lower	Upper	
128	100		
127	13.7	10.5	15.7
129	11.5	8.8	13.2

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 20.112 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VD064495.D

Acq: 11 Dec 2019 12:25

Tgt Ion:	180	Resp:	99827
Ion Ratio	Lower	Upper	
180	100		
182	94.7	47.6	142.9
145	30.4	14.6	43.8

