

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120919\
 Data File : VD064472.D
 Acq On : 09 Dec 2019 13:36
 Operator : VA/SY
 Sample : VD1209SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1209SBS01

Manual Integrations
 APPROVED

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 12/10/2019 4:06:52 PM

Quant Time: Dec 10 02:53:12 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	470546	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	683767	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	616762	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	302941	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	220797	51.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.68%	
35) Dibromofluoromethane	7.92	113	231070	53.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.28%	
50) Toluene-d8	10.34	98	869443	53.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.16%	
62) 4-Bromofluorobenzene	12.64	95	274544	52.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	90994	21.342	ug/l	99
3) Chloromethane	2.21	50	115179	21.418	ug/l	98
4) Vinyl Chloride	2.35	62	136233	21.941	ug/l	100
5) Bromomethane	2.76	94	91040	19.827	ug/l	98
6) Chloroethane	2.92	64	88611	21.352	ug/l	98
7) Trichlorofluoromethane	3.27	101	225557	21.852	ug/l	95
8) Diethyl Ether	3.71	74	46285	21.579	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	97548	22.041	ug/l	98
10) Methyl Iodide	4.29	142	98021	20.973	ug/l	98
11) Tert butyl alcohol	5.26	59	29127	107.434	ug/l #	100
12) 1,1-Dichloroethene	4.06	96	92485	21.806	ug/l	92
13) Acrolein	3.93	56	33950	91.807	ug/l	99
14) Allyl chloride	4.71	41	143731	21.715	ug/l	99
15) Acrylonitrile	5.43	53	96054	102.409	ug/l	97
16) Acetone	4.17	43	87094	101.192	ug/l	99
17) Carbon Disulfide	4.40	76	284681	21.193	ug/l	97
18) Methyl Acetate	4.73	43	53785	21.424	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	199178	20.473	ug/l	96
20) Methylene Chloride	4.96	84	104095	21.246	ug/l	88
21) trans-1,2-Dichloroethene	5.47	96	103288	21.529	ug/l	97
22) Diisopropyl ether	6.37	45	275903	21.115	ug/l	97
23) Vinyl Acetate	6.31	43	789531	102.492	ug/l	100
24) 1,1-Dichloroethane	6.27	63	168847	21.487	ug/l	98
25) 2-Butanone	7.23	43	120775	99.225	ug/l	98
26) 2,2-Dichloropropane	7.21	77	151650	22.191	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	111876	21.390	ug/l	98
28) Bromochloromethane	7.55	49	45830	17.065	ug/l	94
29) Tetrahydrofuran	7.57	42	82876	107.019	ug/l	97
30) Chloroform	7.71	83	171888	21.121	ug/l	99
31) Cyclohexane	7.99	56	166091	21.604	ug/l	92
32) 1,1,1-Trichloroethane	7.91	97	163231	21.634	ug/l	99
36) 1,1-Dichloropropene	8.11	75	137557	21.269	ug/l	98
37) Ethyl Acetate	7.30	43	59409	21.648	ug/l	97
38) Carbon Tetrachloride	8.10	117	145790	21.358	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	171107	21.328	ug/l	98
40) Benzene	8.35	78	380480	21.181	ug/l	99
41) Methacrylonitrile	7.53	41	26941	17.118	ug/l #	72
42) 1,2-Dichloroethane	8.43	62	110189	21.035	ug/l	99
43) Isopropyl Acetate	8.46	43	109335	20.263	ug/l	100
44) Trichloroethene	9.11	130	115681	21.379	ug/l	96
45) 1,2-Dichloropropane	9.39	63	93310	21.720	ug/l	99
46) Dibromomethane	9.47	93	50134	20.677	ug/l	99
47) Bromodichloromethane	9.66	83	134555	21.598	ug/l	95
48) Methyl methacrylate	9.46	41	50537	20.468	ug/l	94
49) 1,4-Dioxane	9.47	88	12560	419.494	ug/l	92
51) 4-Methyl-2-Pentanone	10.23	43	277424	103.912	ug/l	99
52) Toluene	10.40	92	243268	20.780	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	125914	21.207	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	149937	21.257	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	67016	20.185	ug/l	97
56) Ethyl methacrylate	10.66	69	86361	20.395	ug/l	99
57) 1,3-Dichloropropane	10.95	76	119703	21.180	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	180413	106.878	ug/l	99
59) 2-Hexanone	10.99	43	185592	100.182	ug/l	100
60) Dibromochloromethane	11.14	129	93596	20.792	ug/l	99
61) 1,2-Dibromoethane	11.25	107	67579	20.386	ug/l	100
64) Tetrachloroethene	10.88	164	99941	21.249	ug/l	94
65) Chlorobenzene	11.67	112	261167	20.303	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	97677	20.512	ug/l	100
67) Ethyl Benzene	11.75	91	467828	20.440	ug/l	99
68) m/p-Xylenes	11.86	106	357651	40.983	ug/l	100
69) o-Xylene	12.18	106	162317	20.140	ug/l	98
70) Styrene	12.20	104	286909	20.485	ug/l	99
71) Bromoform	12.37	173	55959	19.642	ug/l #	100
73) Isopropylbenzene	12.48	105	446254	20.482	ug/l	100
74) N-amyl acetate	12.29	43	96345	19.483	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	73135	20.298	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	44141m	17.718	ug/l	
77) Bromobenzene	12.77	156	112399	20.890	ug/l	99
78) n-propylbenzene	12.83	91	529560	21.065	ug/l	99
79) 2-Chlorotoluene	12.91	91	285122	20.612	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	368856	20.717	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	23335	20.424	ug/l	99
82) 4-Chlorotoluene	13.01	91	301829	20.609	ug/l	99
83) tert-Butylbenzene	13.23	119	324614	20.971	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	364676	20.369	ug/l	100
85) sec-Butylbenzene	13.41	105	439918	20.707	ug/l	99
86) p-Isopropyltoluene	13.52	119	408328	20.358	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	203544	19.932	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	204959	20.329	ug/l	99
89) n-Butylbenzene	13.85	91	374636	20.568	ug/l	99
90) Hexachloroethane	14.12	117	76787	20.469	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	178218	20.421	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	11428	18.464	ug/l	98

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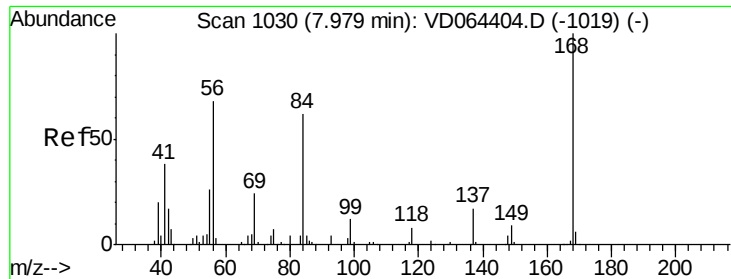
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	134416	20.111	ug/l	100
94) Hexachlorobutadiene	15.28	225	81666	19.792	ug/l	99
95) Naphthalene	15.41	128	223677	20.053	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	113218	19.844	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: VD064472.D

Acq: 09 Dec 2019 13:36

Instrument :

MSVOA_D

ClientSampleId :

VD1209SBSD01

Tot Ion:168 Resp: 470546

Ion Ratio Lower Upper

168 100

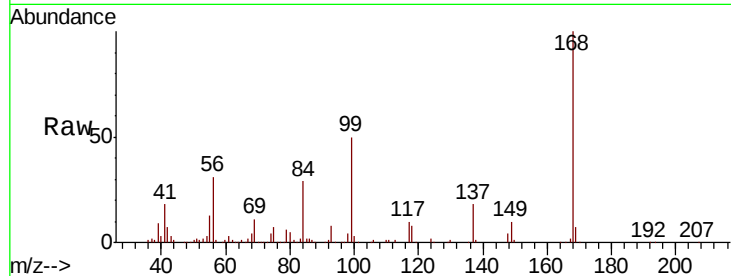
99 49.6 40.7 61.1

Manual Integrations

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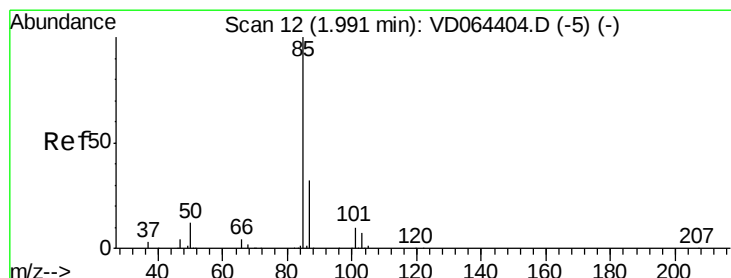
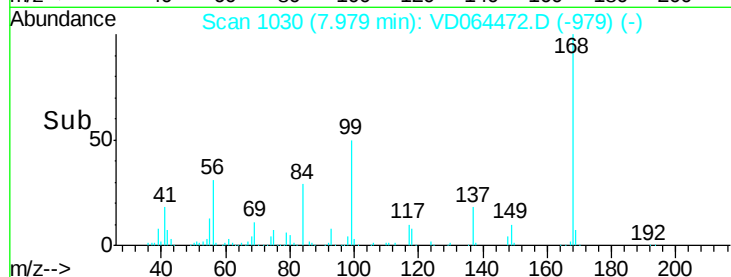
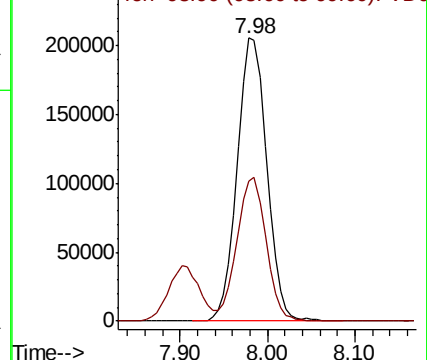
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 21.342 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064472.D

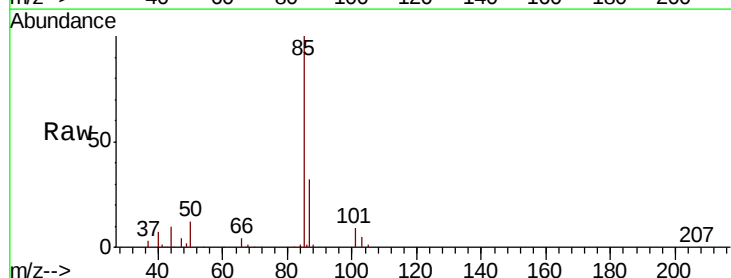
Acq: 09 Dec 2019 13:36

Tgt Ion: 85 Resp: 90994

Ion Ratio Lower Upper

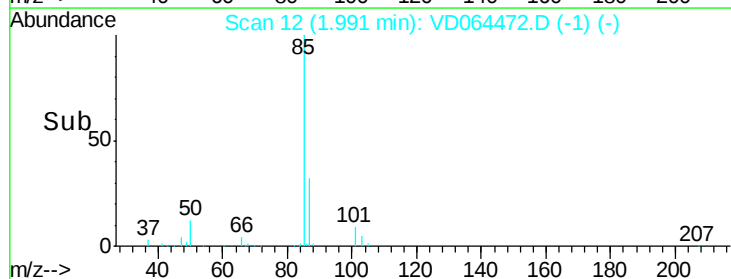
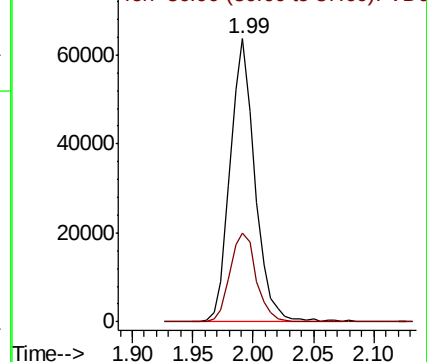
85 100

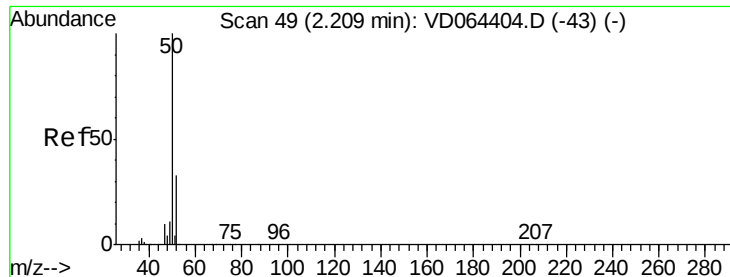
87 31.6 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 21.418 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064472.D

Acq: 09 Dec 2019 13:36

Instrument :

MSVOA_D

ClientSampleId :

VD1209SBSD01

Tot Ion: 50 Resp: 115179

Ion Ratio Lower Upper

50 100

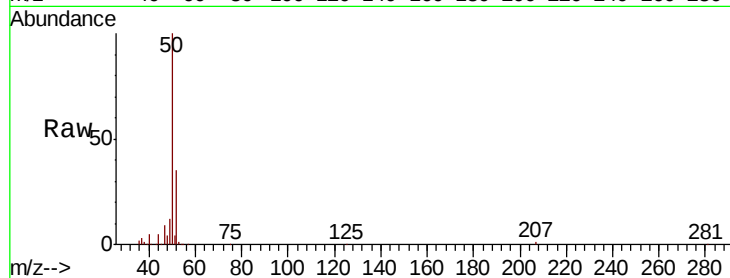
52 34.8 26.7 40.1

Manual Integrations

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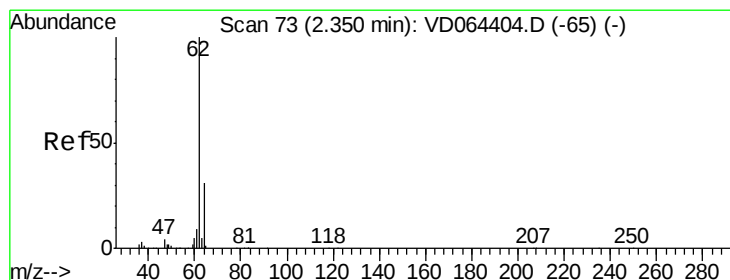
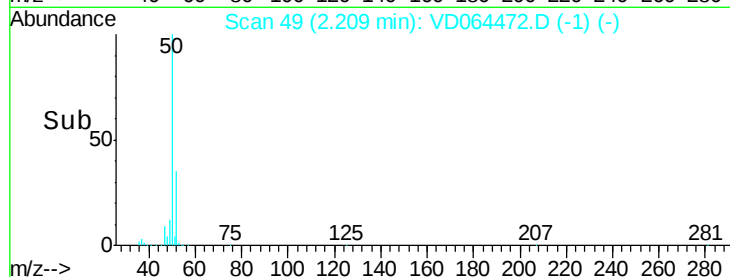
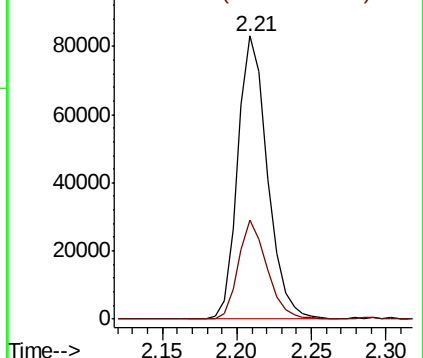
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 21.941 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064472.D

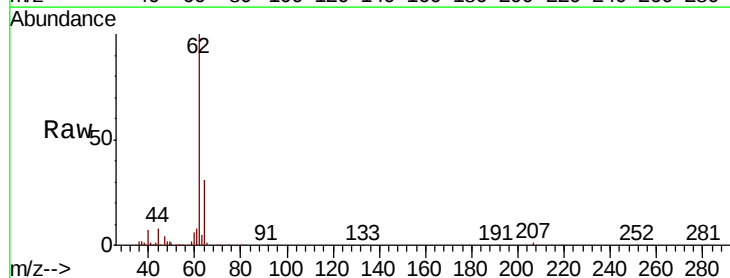
Acq: 09 Dec 2019 13:36

Tgt Ion: 62 Resp: 136233

Ion Ratio Lower Upper

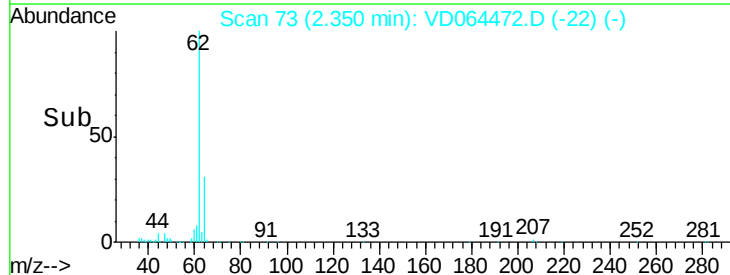
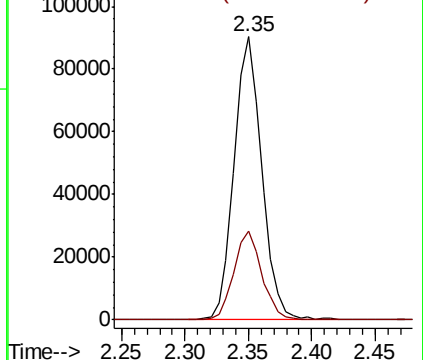
62 100

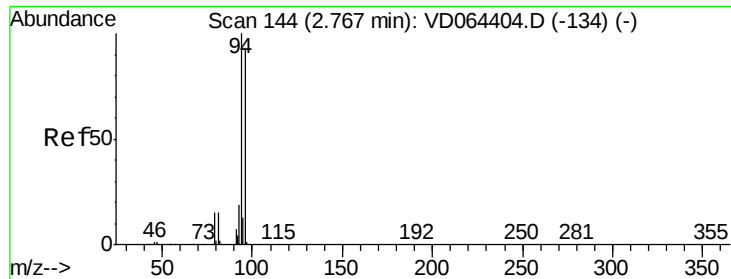
64 31.3 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 19.827 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD064472.D

Acq: 09 Dec 2019 13:36

Instrument :

MSVOA_D

ClientSampleId :

VD1209SBSD01

Tot Ion: 94 Resp: 91040

Ion Ratio Lower Upper

94 100

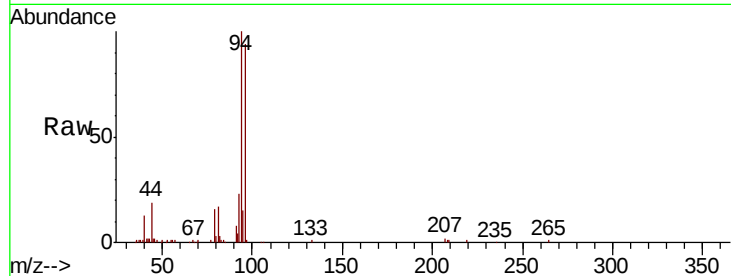
96 93.5 73.6 110.4

Manual Integrations

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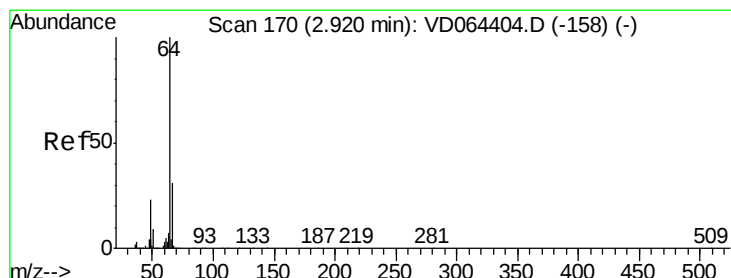
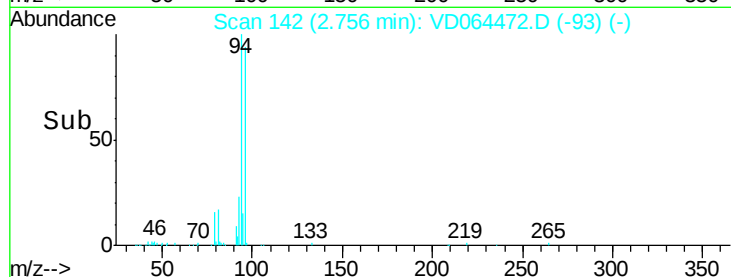
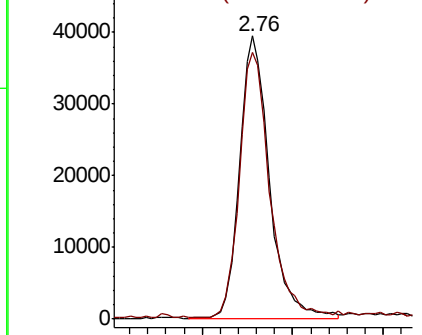
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 21.352 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064472.D

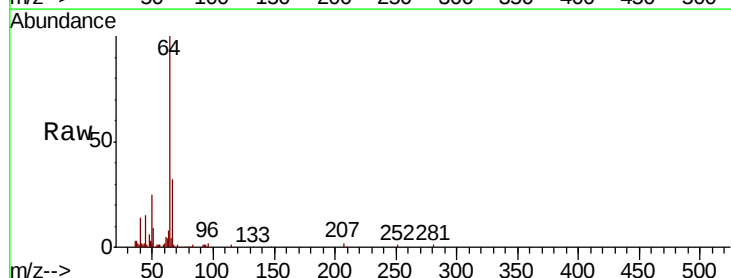
Acq: 09 Dec 2019 13:36

Tgt Ion: 64 Resp: 88611

Ion Ratio Lower Upper

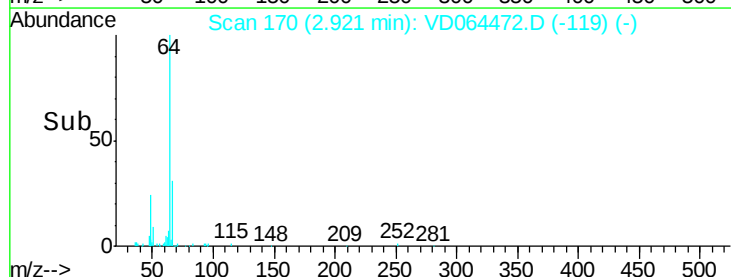
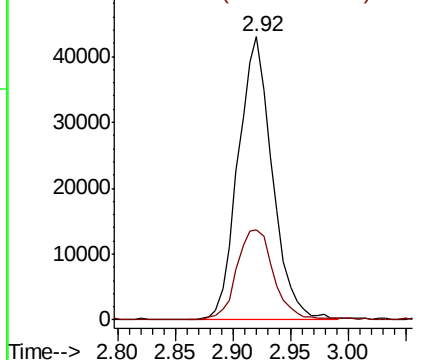
64 100

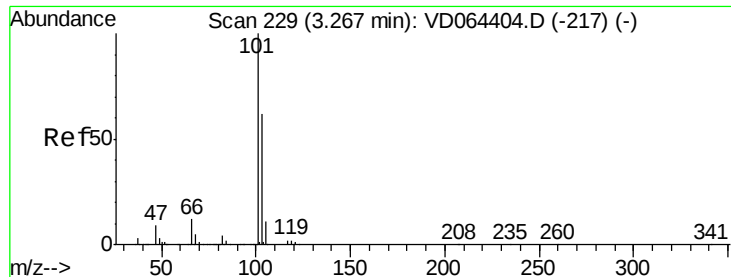
66 31.7 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

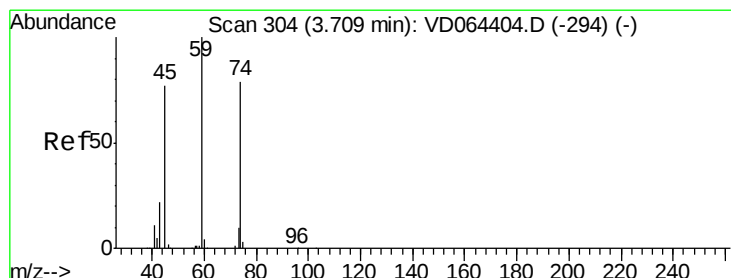
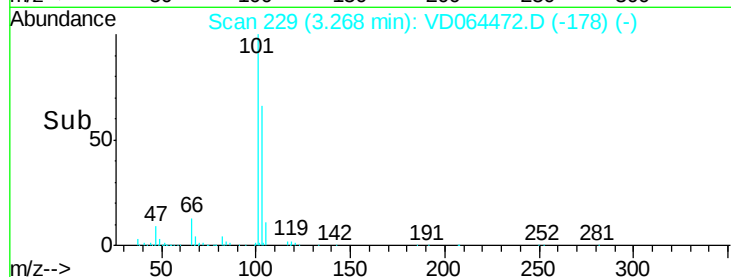
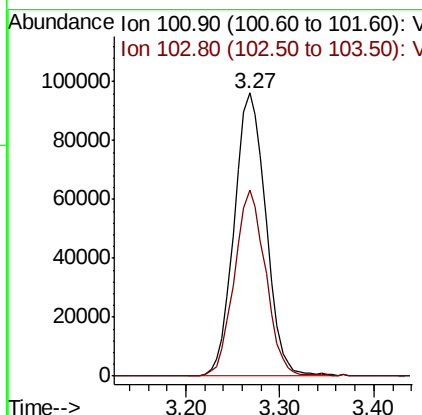
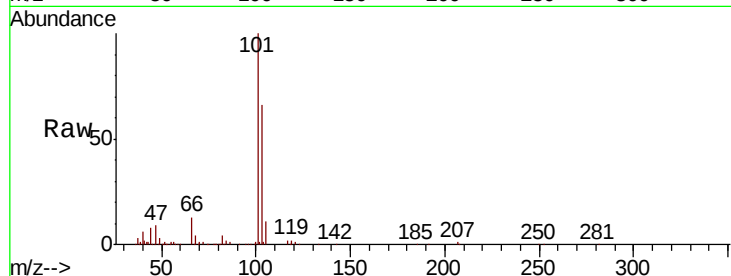
Trichlorofluoromethane
 Concen: 21.852 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. 0.00 min
 Lab File: VD064472.D
 Acq: 09 Dec 2019 13:36

Instrument :
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 VD1209SBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	225557		
103	65.9	49.8	74.6	

Manual Integrations
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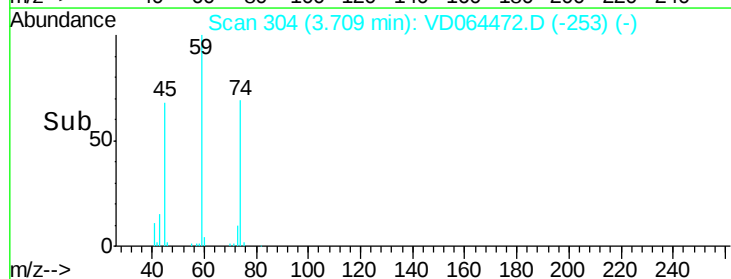
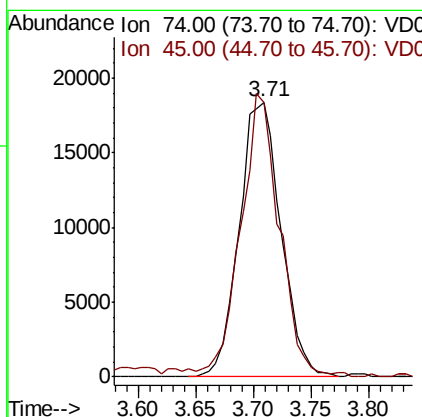
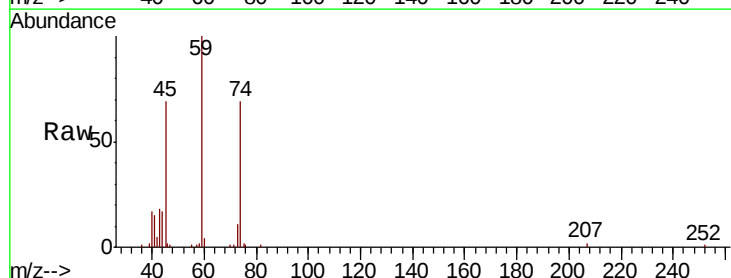
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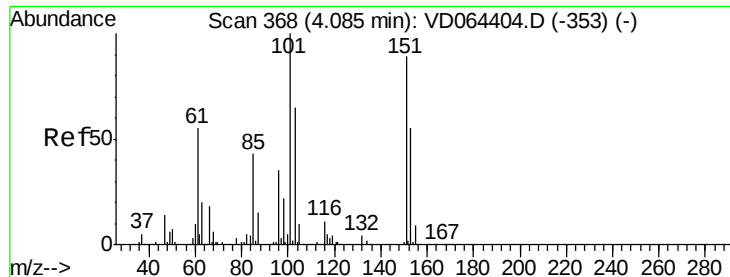


#8

Diethyl Ether
 Concen: 21.579 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD064472.D
 Acq: 09 Dec 2019 13:36

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	46285		
45	95.6	48.6	145.9	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.041 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD064472.D

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Instrument :

MSVOA_D

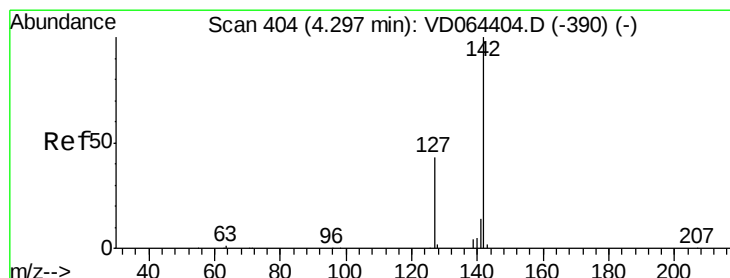
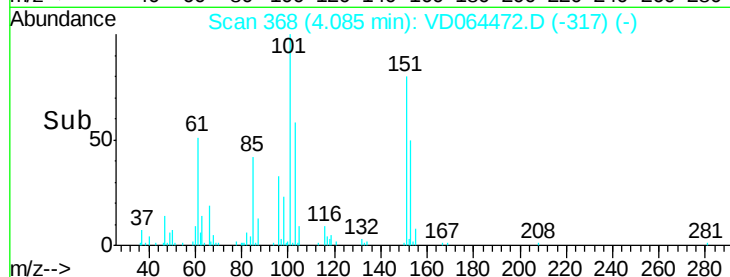
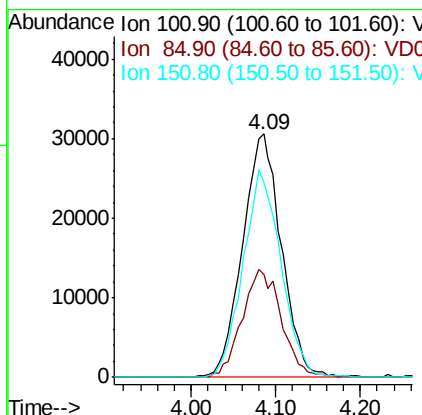
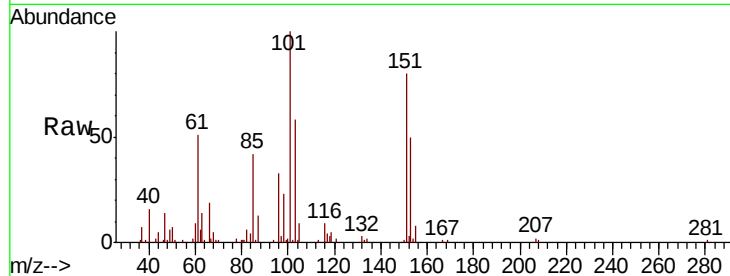
ClientSampleId :

VD1209SBSD01

Tot Ion:	101	Resp:	97548
Ion Ratio	Lower	Upper	
101	100		
85	44.7	34.8	52.2
151	83.7	68.8	103.2

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#10

Methyl Iodide

Concen: 20.973 ug/l

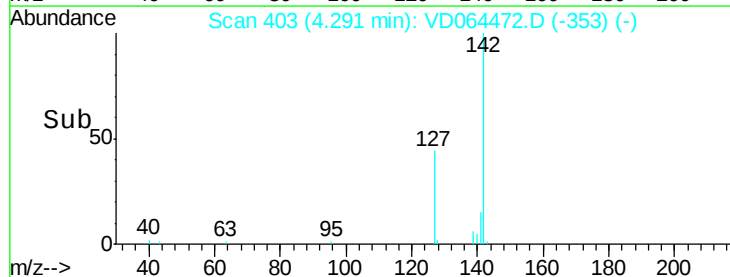
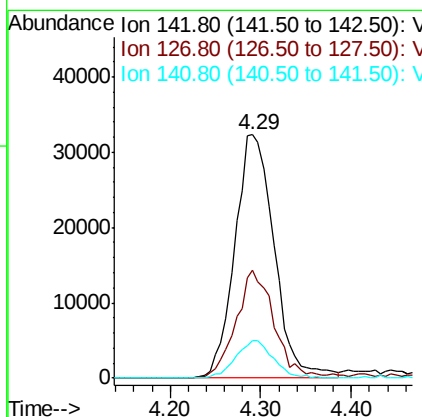
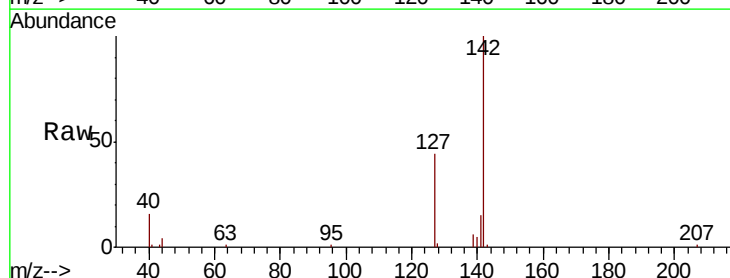
RT: 4.29 min Scan# 403

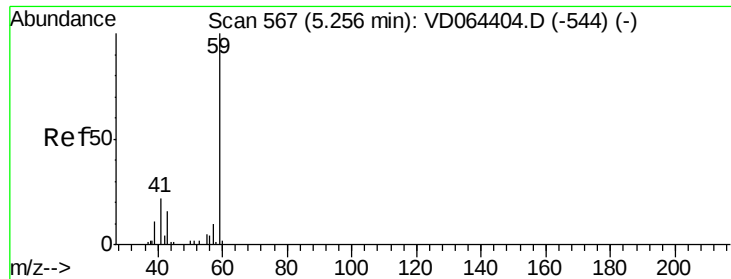
Delta R.T. -0.01 min

Lab File: VD064472.D

Acq: 09 Dec 2019 13:36

Tgt Ion:	142	Resp:	98021
Ion Ratio	Lower	Upper	
142	100		
127	42.5	35.3	52.9
141	14.7	11.6	17.4





#11

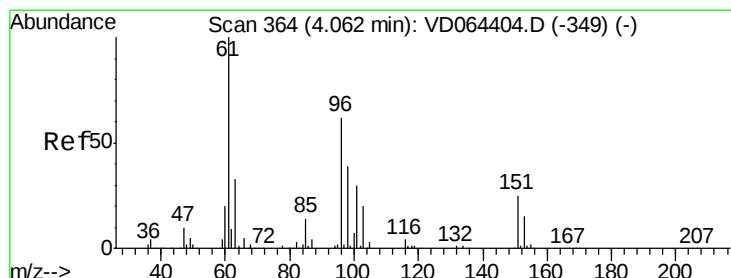
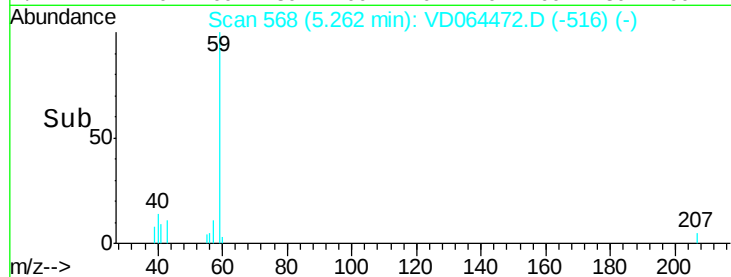
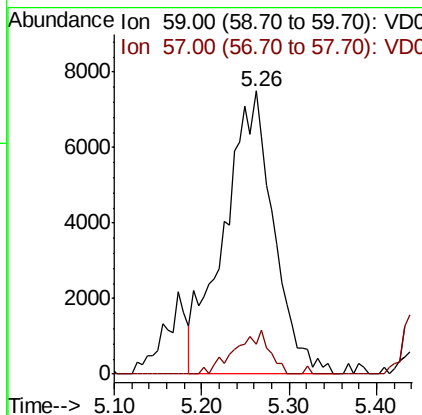
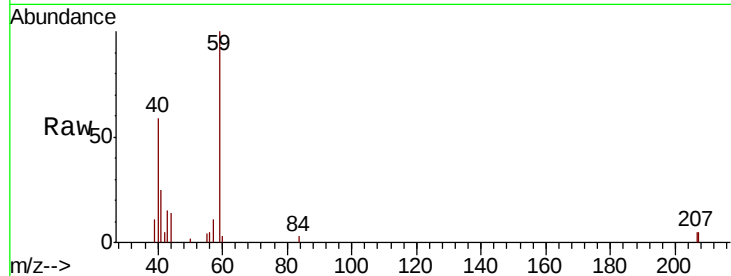
Tert butyl alcohol
Concen: 107.434 ug/l
RT: 5.26 min Scan# 568
Delta R.T. 0.01 min
Lab File: VD064472.D
Acq: 09 Dec 2019 13:36

Instrument :
MSVOA_D
ClientSampleId :
VD1209SBS01

Tot Ion: 59 Resp: 29127
Ion Ratio Lower Upper
59 100
57 10.5 0.0 0.0#

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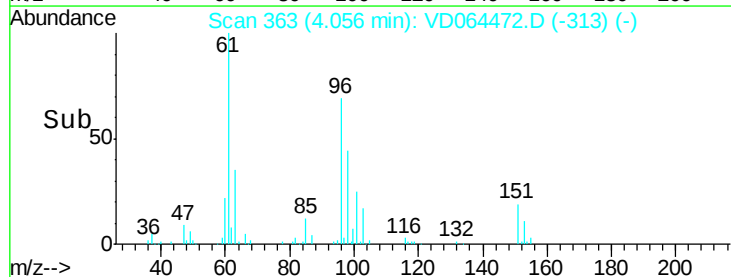
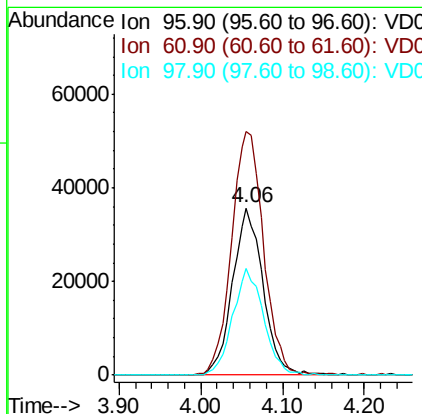
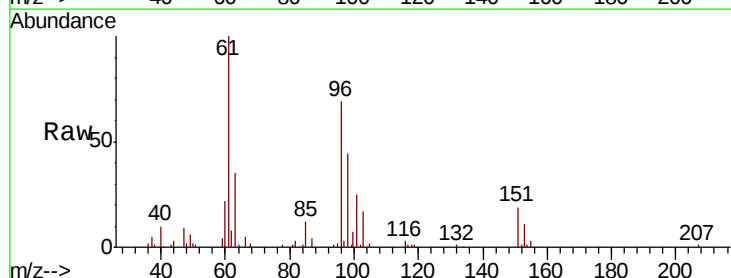
apatel
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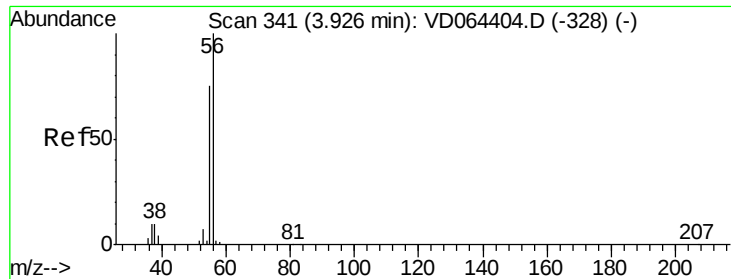


#12

1,1-Dichloroethene
Concen: 21.806 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD064472.D
Acq: 09 Dec 2019 13:36

Tgt Ion: 96 Resp: 92485
Ion Ratio Lower Upper
96 100
61 145.5 128.2 192.4
98 63.9 50.4 75.6





#13

Acrolein

Concen: 91.807 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD064472.D

Acq: 09 Dec 2019 13:36

Instrument :

MSVOA_D

ClientSampleId :

VD1209SBSD01

Tot Ion: 56 Resp: 33950

Ion Ratio Lower Upper

56 100

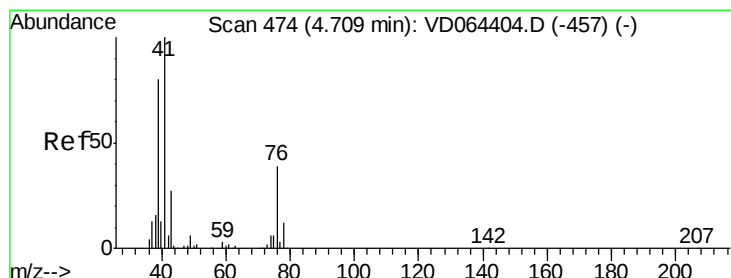
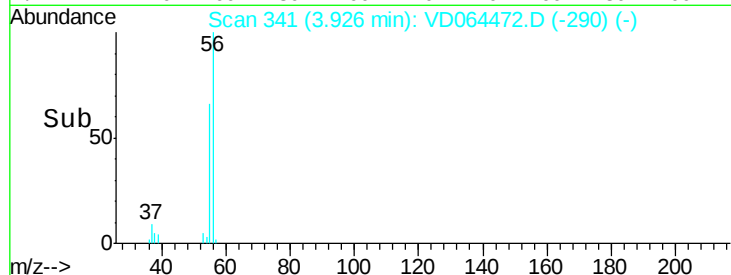
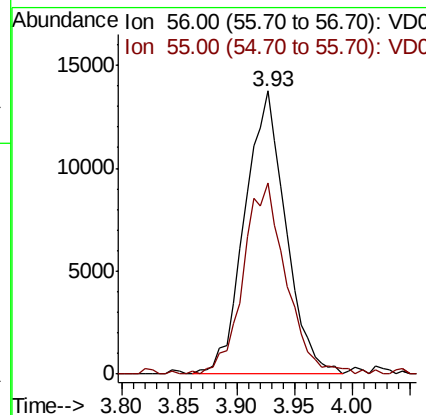
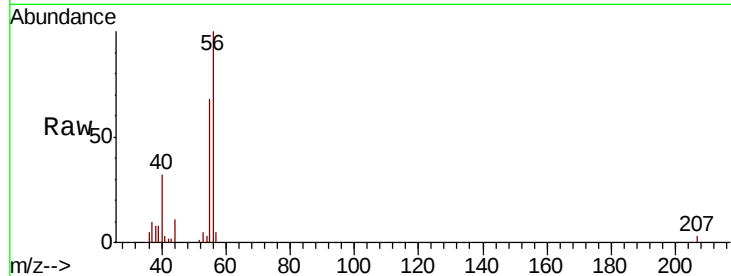
55 70.4 56.9 85.3

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#14

Allyl chloride

Concen: 21.715 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD064472.D

Acq: 09 Dec 2019 13:36

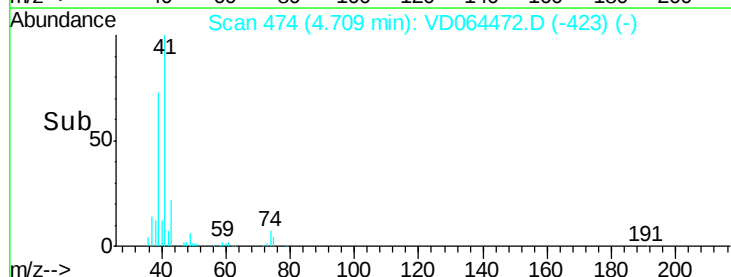
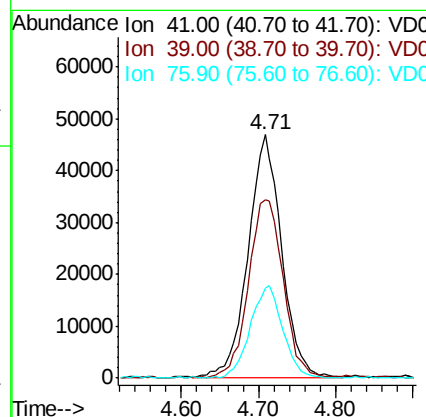
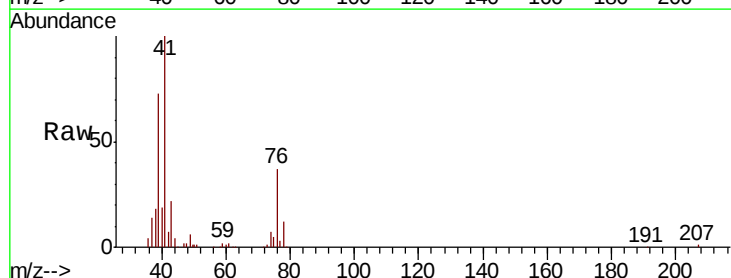
Tgt Ion: 41 Resp: 143731

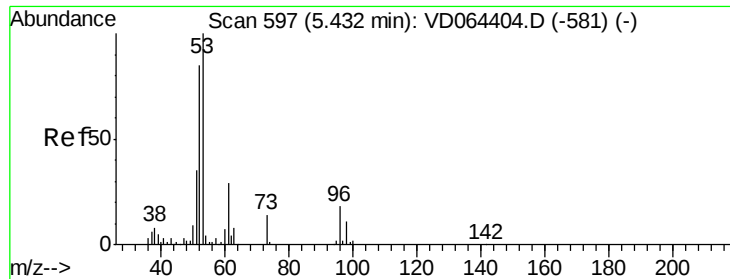
Ion Ratio Lower Upper

41 100

39 76.2 62.1 93.1

76 36.7 29.8 44.8





#15

Acrylonitrile

Concen: 102.409 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD064472.D

Acq: 09 Dec 2019 13:36

Instrument :

MSVOA_D

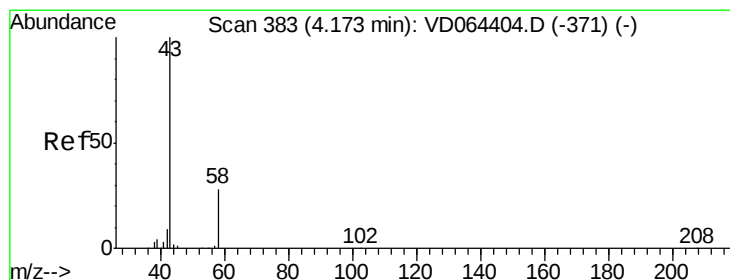
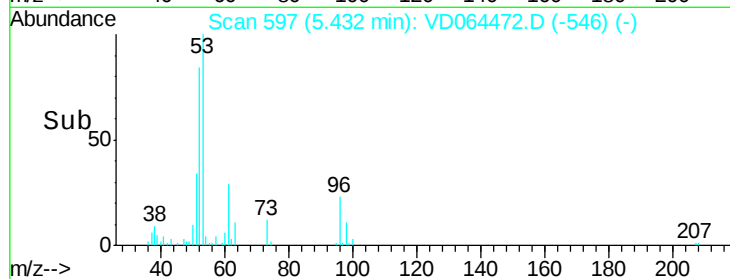
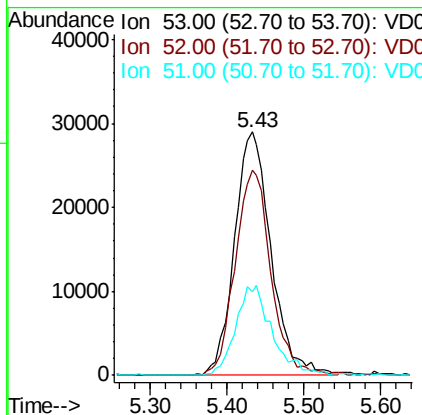
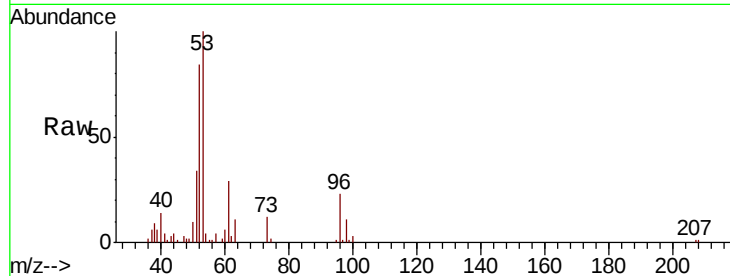
ClientSampleID :

VD1209SBS01

Tot Ion:	53	Resp:	96054
Ion	Ratio	Lower	Upper
53	100		
52	82.2	67.9	101.9
51	37.0	30.6	45.8

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#16

Acetone

Concen: 101.192 ug/l

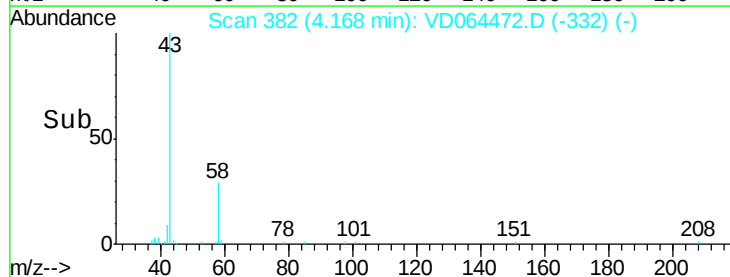
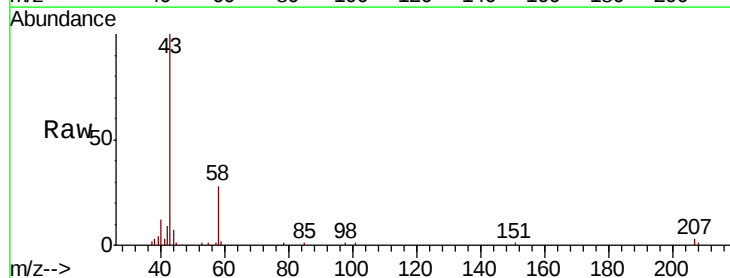
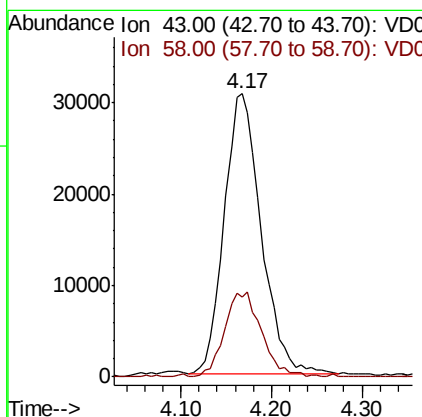
RT: 4.17 min Scan# 382

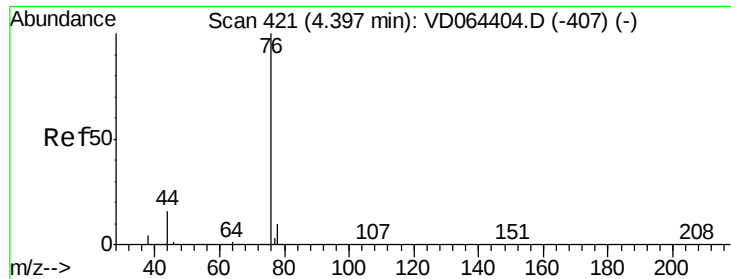
Delta R.T. -0.01 min

Lab File: VD064472.D

Acq: 09 Dec 2019 13:36

Tgt Ion:	43	Resp:	87094
Ion	Ratio	Lower	Upper
43	100		
58	28.7	22.6	33.8





#17

Carbon Disulfide

Concen: 21.193 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.01 min

Lab File: VD064472.D

Acq: 09 Dec 2019 13:36

Instrument :

MSVOA_D

ClientSampleId :

VD1209SBSD01

Tot Ion: 76 Resp: 284681

Ion Ratio Lower Upper

76 100

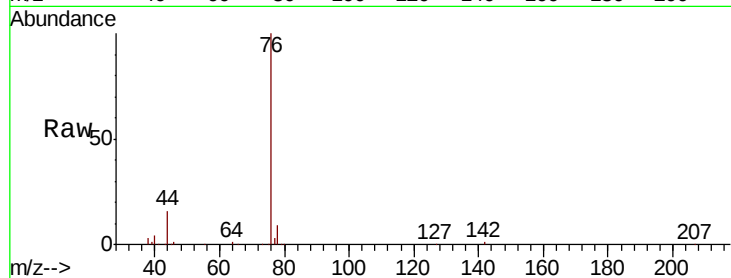
78 8.8 7.8 11.8

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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

100000

80000

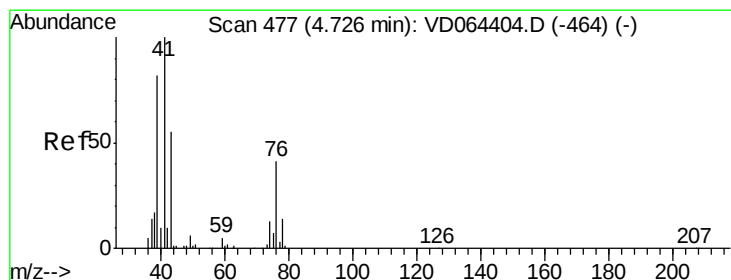
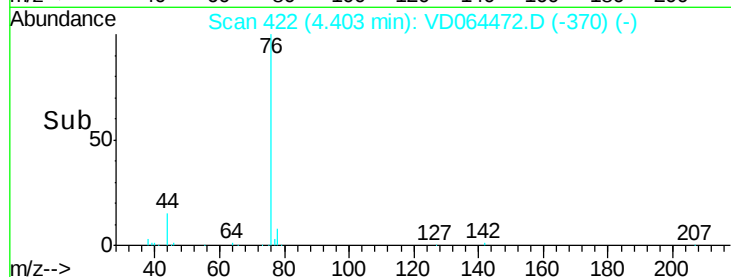
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 21.424 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.00 min

Lab File: VD064472.D

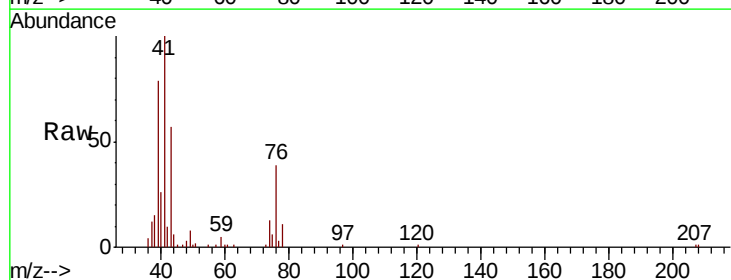
Acq: 09 Dec 2019 13:36

Tgt Ion: 43 Resp: 53785

Ion Ratio Lower Upper

43 100

74 25.1 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.73

20000

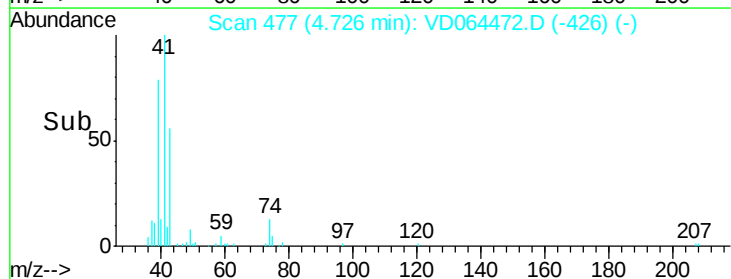
15000

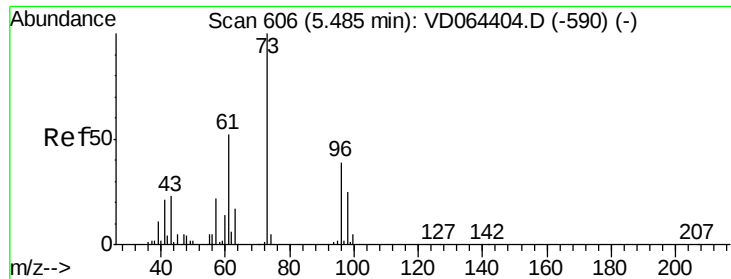
10000

5000

0

Time-->





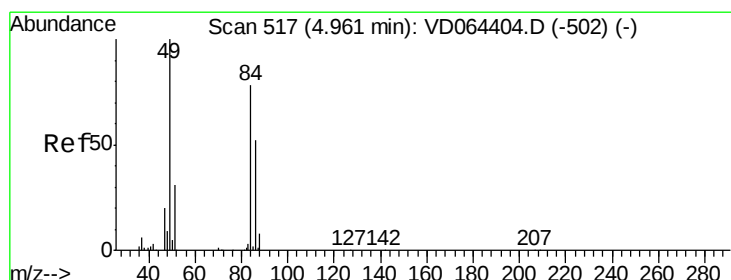
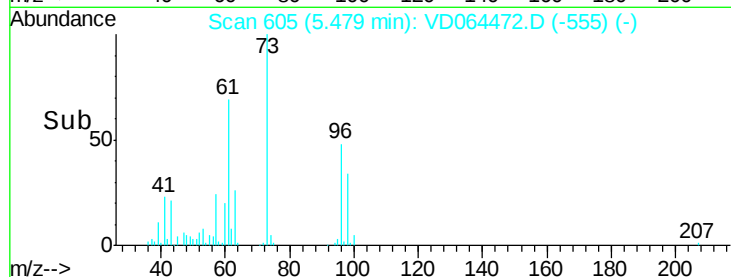
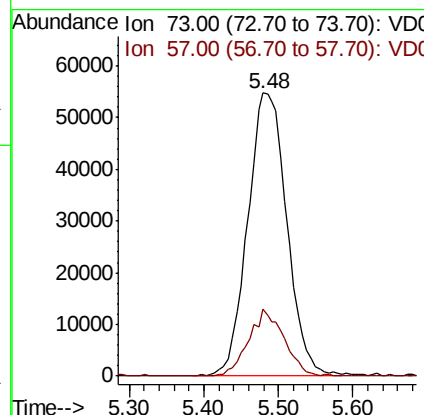
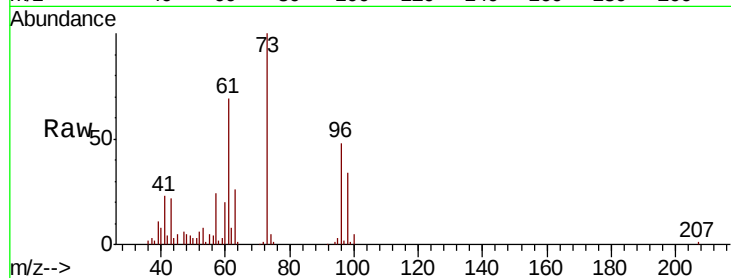
#19
Methvl tert-butvl Ether
Concen: 20.473 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD064472.D
Acq: 09 Dec 2019 13:36

Instrument :
MSVOA_D
ClientSampleId :
VD1209SBS01

Tot Ion: 73 Resp: 199178
Ion Ratio Lower Upper
73 100
57 23.8 17.6 26.4

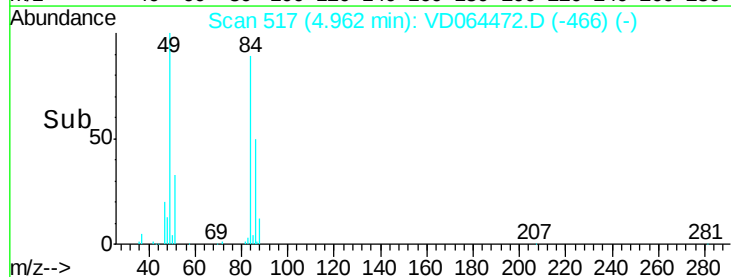
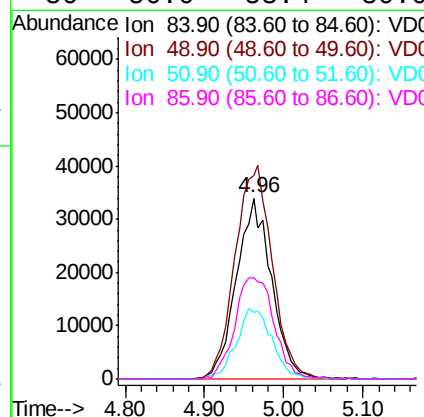
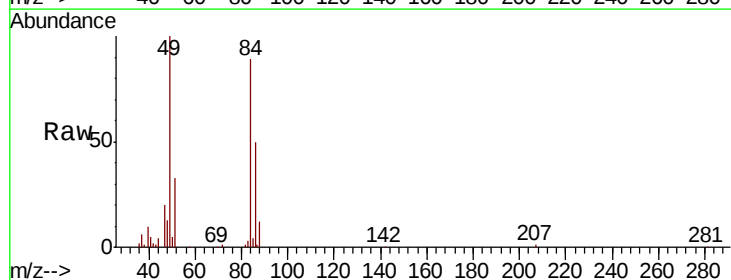
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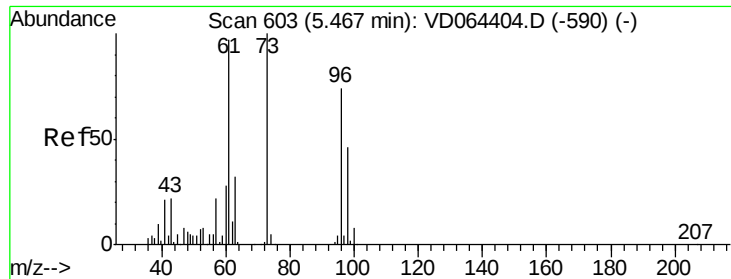
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#20
Methylene Chloride
Concen: 21.246 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064472.D
Acq: 09 Dec 2019 13:36

Tgt Ion: 84 Resp: 104095
Ion Ratio Lower Upper
84 100
49 112.6 102.6 153.8
51 36.9 32.0 48.0
86 56.0 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 21.529 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD064472.D

Acq: 09 Dec 2019 13:36

Instrument :

MSVOA_D

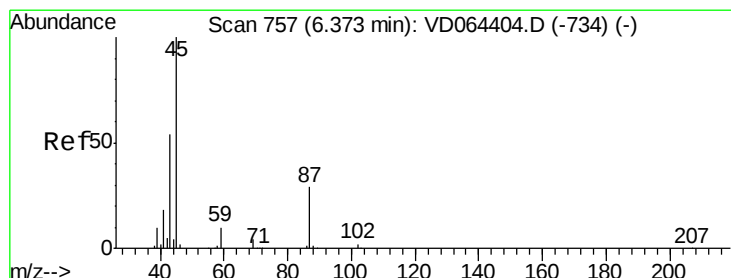
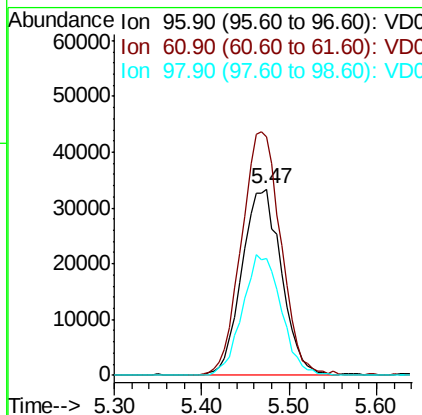
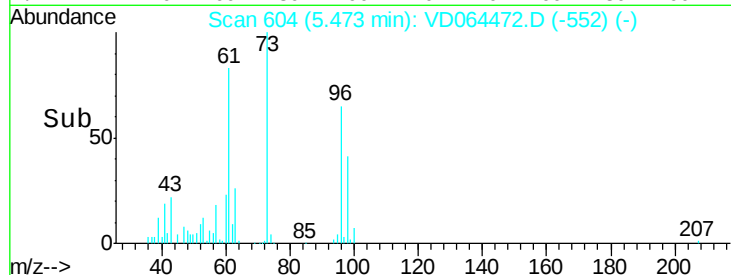
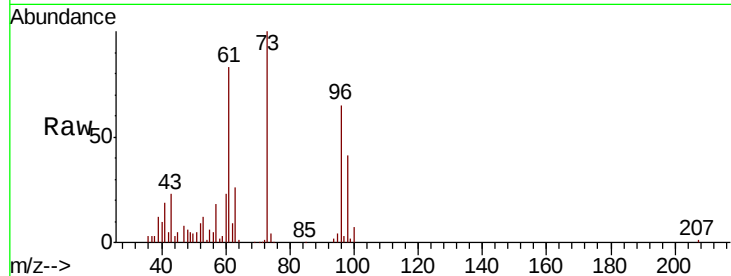
ClientSampleId :

VD1209SBS01

Tot Ion:	96	Resp:	103288
Ion	Ratio	Lower	Upper
96	100		
61	128.1	105.8	158.6
98	63.0	50.1	75.1

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#22

Diisopropyl ether

Concen: 21.115 ug/l

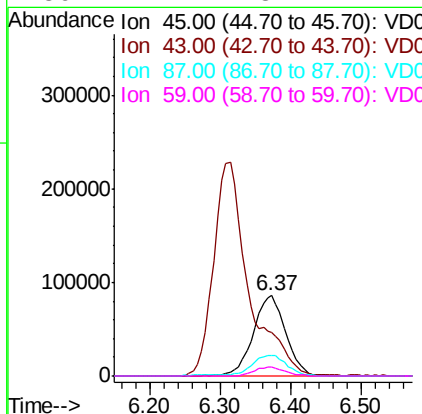
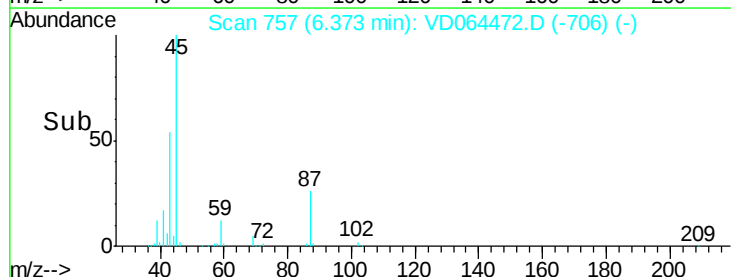
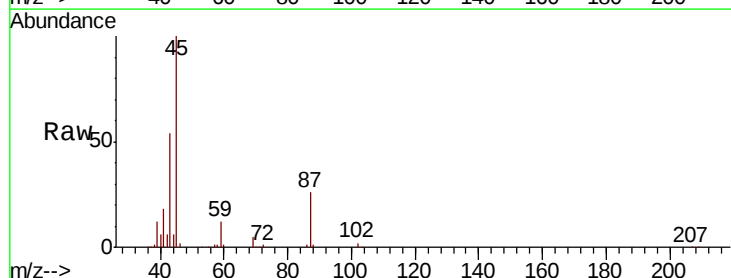
RT: 6.37 min Scan# 757

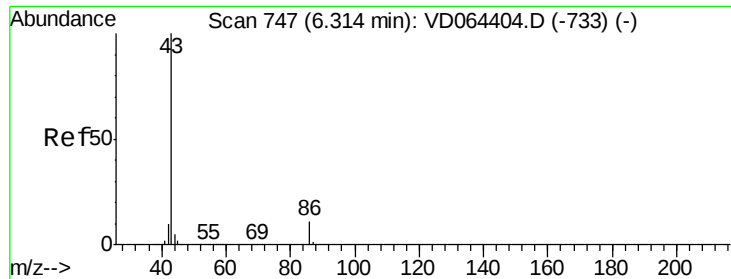
Delta R.T. 0.00 min

Lab File: VD064472.D

Acq: 09 Dec 2019 13:36

Tgt Ion:	45	Resp:	275903
Ion	Ratio	Lower	Upper
45	100		
43	53.4	43.1	64.7
87	25.5	23.5	35.3
59	11.7	8.2	12.2





#23

Vinyl Acetate

Concen: 102.492 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD064472.D

Acq: 09 Dec 2019 13:36

Instrument :

MSVOA_D

ClientSampleId :

VD1209SBS01

Tot Ion: 43 Resp: 789531

Ion Ratio Lower Upper

43 100

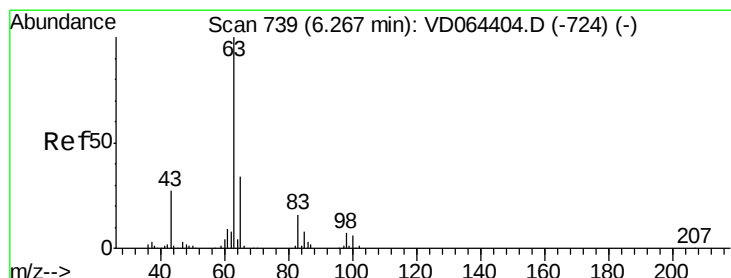
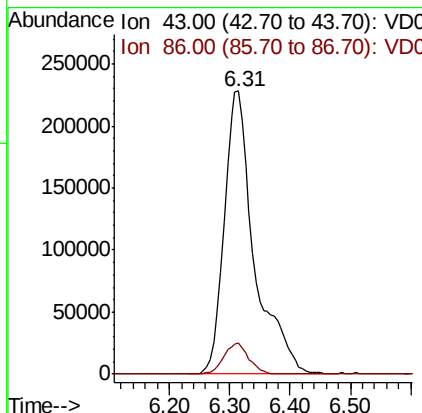
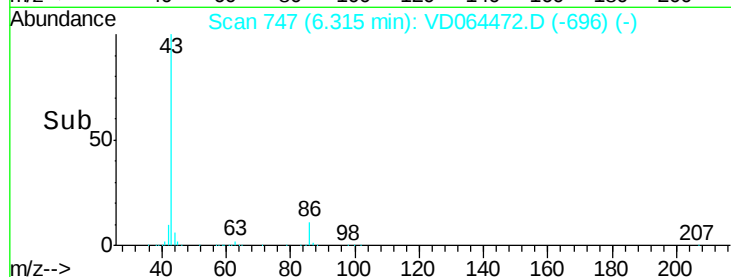
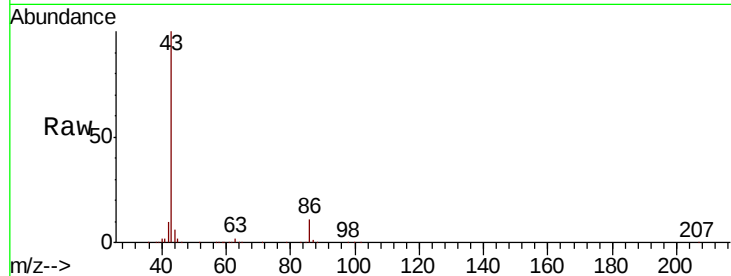
86 11.0 8.9 13.3

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#24

1,1-Dichloroethane

Concen: 21.487 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD064472.D

Acq: 09 Dec 2019 13:36

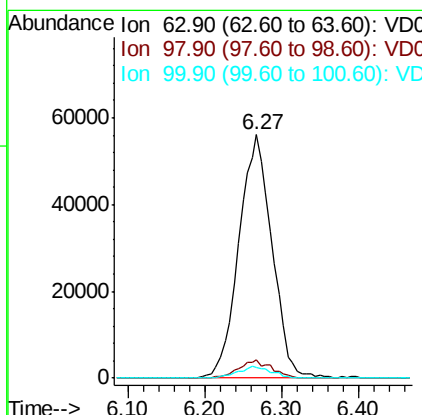
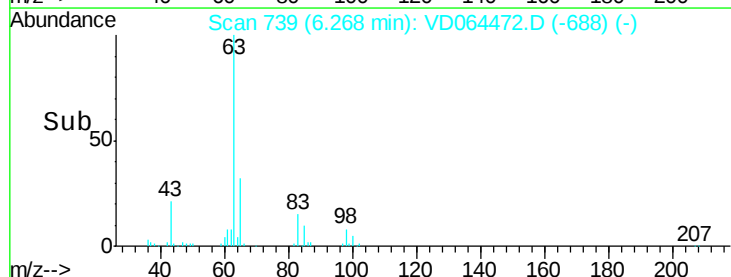
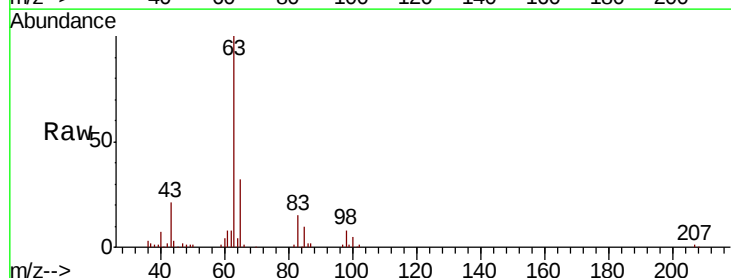
Tgt Ion: 63 Resp: 168847

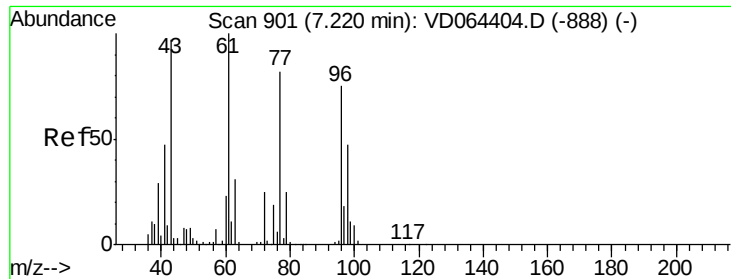
Ion Ratio Lower Upper

63 100

98 7.8 3.6 10.9

100 4.6 2.9 8.6





#25

2-Butanone

Concen: 99.225 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD064472.D

Acq: 09 Dec 2019 13:36

Instrument :

MSVOA_D

ClientSampleId :

VD1209SBS01

Tot Ion: 43 Resp: 120775

Ion Ratio Lower Upper

43 100

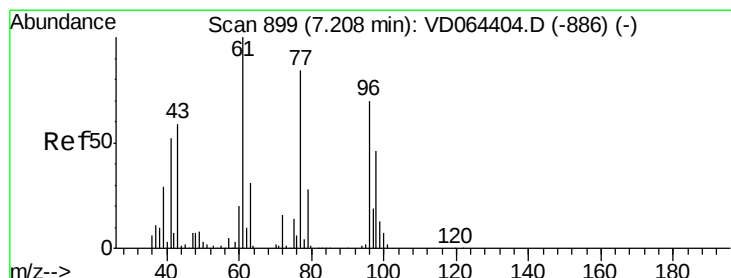
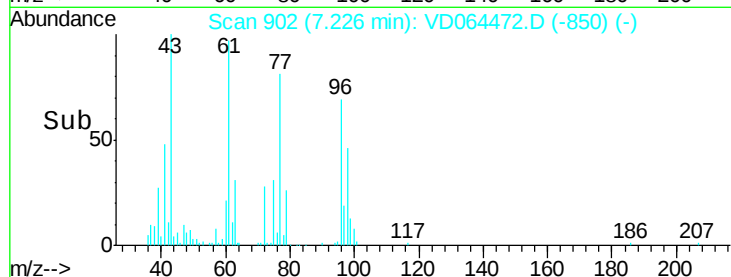
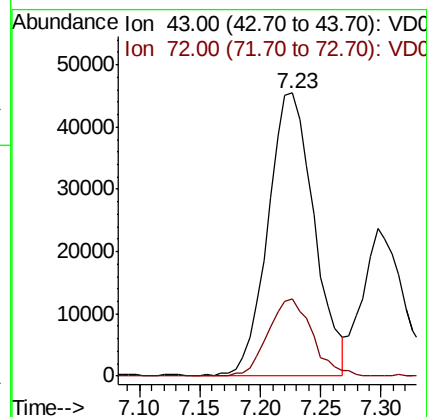
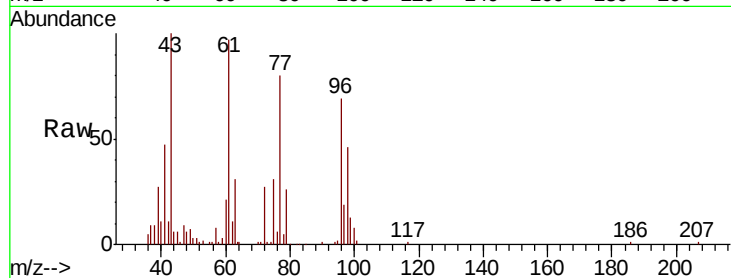
72 27.3 21.0 31.4

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#26

2,2-Dichloropropane

Concen: 22.191 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD064472.D

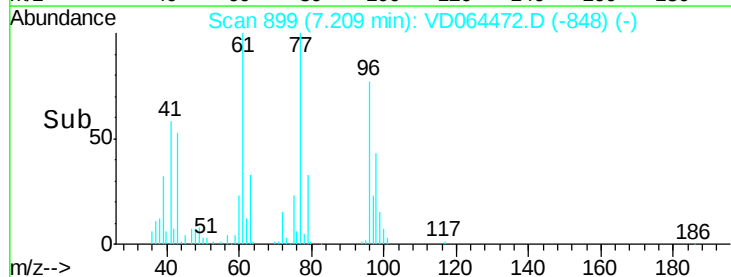
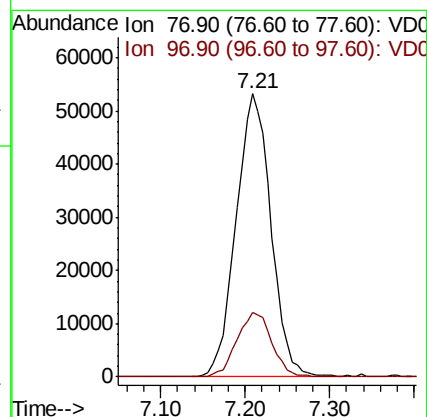
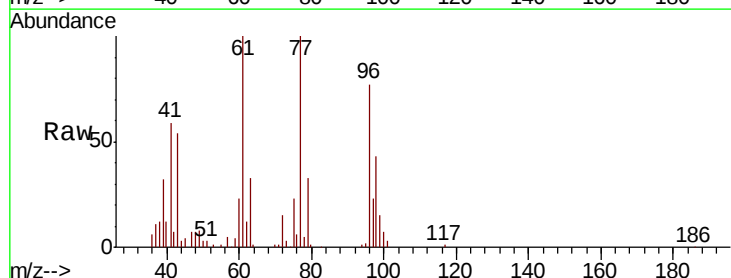
Acq: 09 Dec 2019 13:36

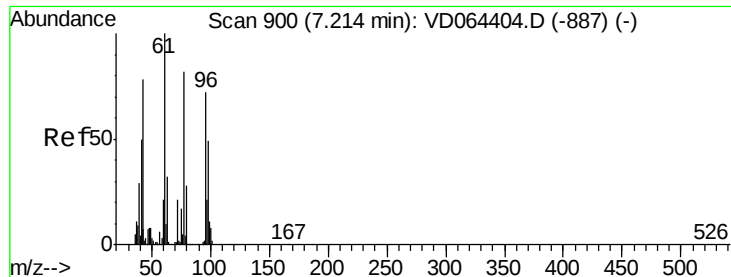
Tgt Ion: 77 Resp: 151650

Ion Ratio Lower Upper

77 100

97 22.7 11.6 34.7





#27

cis-1,2-Dichloroethene

Concen: 21.390 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD064472.D

Acq: 09 Dec 2019 13:36

Instrument :

MSVOA_D

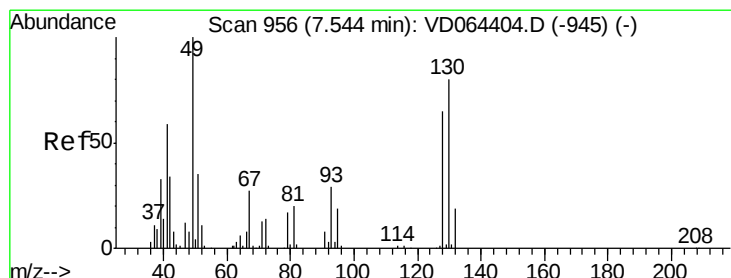
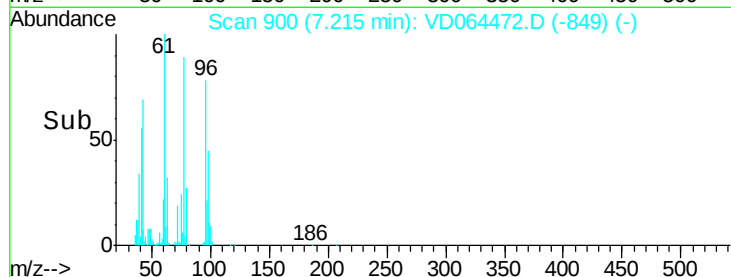
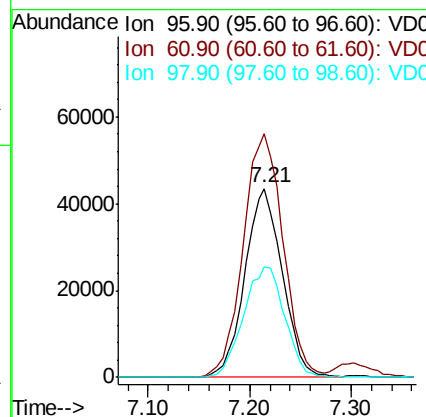
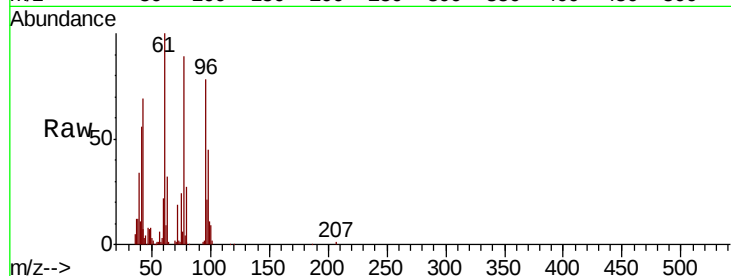
ClientSampleId :

VD1209SBS01

Tot Ion:	96	Resp:	111876
Ion Ratio	Lower	Upper	
96	100		
61	136.6	0.0	279.6
98	63.8	0.0	129.2

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#28

Bromochloromethane

Concen: 17.065 ug/l

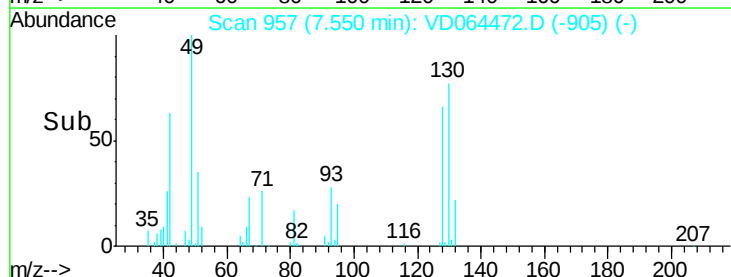
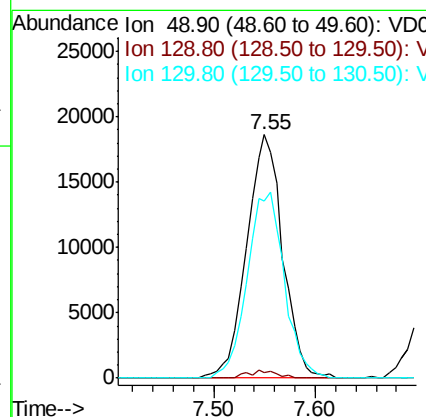
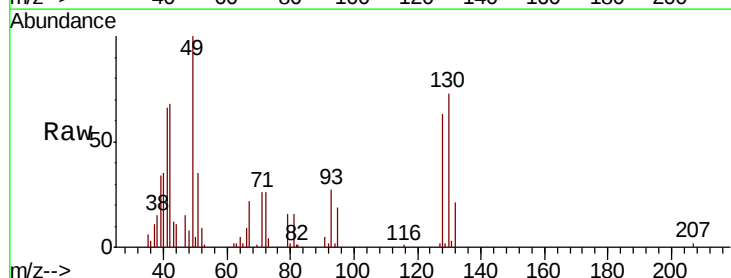
RT: 7.55 min Scan# 957

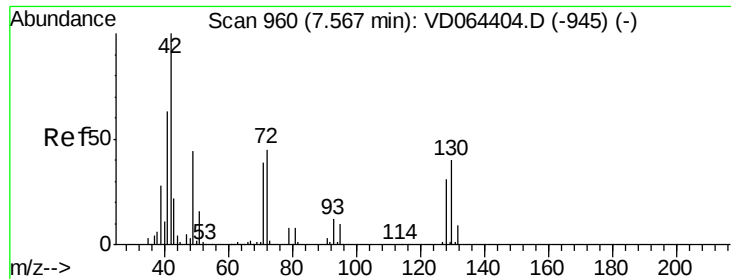
Delta R.T. 0.01 min

Lab File: VD064472.D

Acq: 09 Dec 2019 13:36

Tgt Ion:	49	Resp:	45830
Ion Ratio	Lower	Upper	
49	100		
129	2.5	0.0	4.4
130	78.6	67.4	101.0





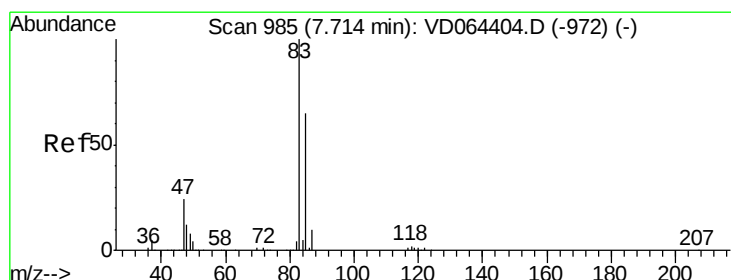
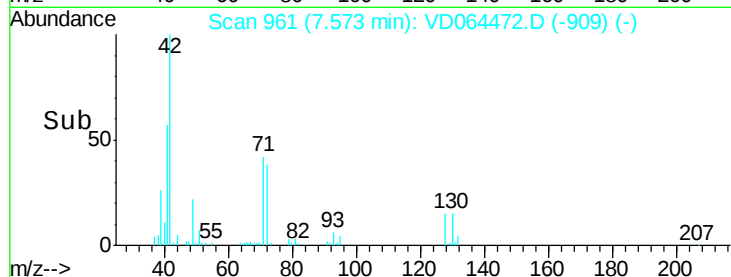
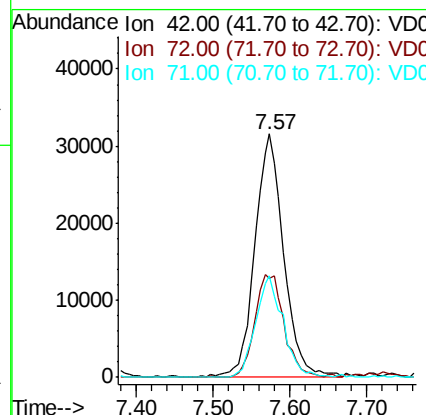
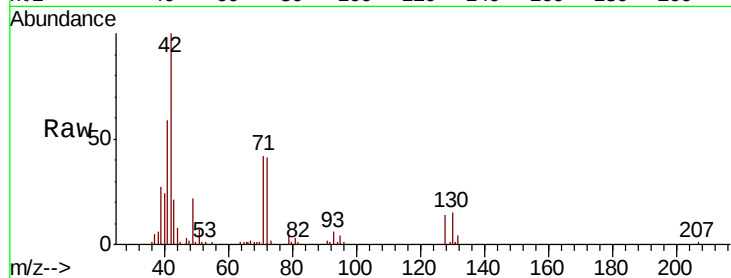
#29
Tetrahydrofuran
Concen: 107.019 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.01 min
Lab File: VD064472.D
Acq: 09 Dec 2019 13:36

Instrument :
MSVOA_D
ClientSampleId :
VD1209SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.4	35.8	53.8
71	39.9	32.7	49.1

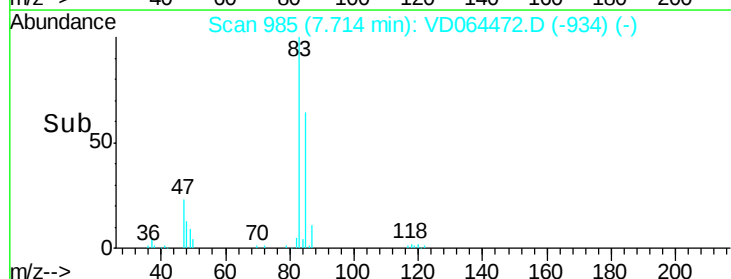
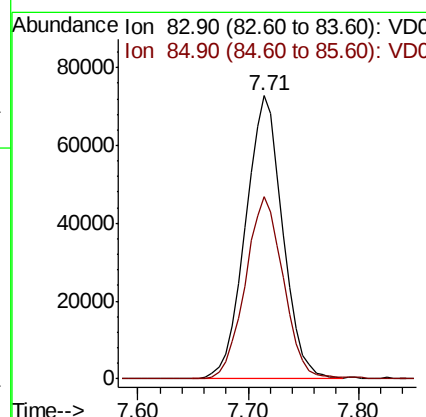
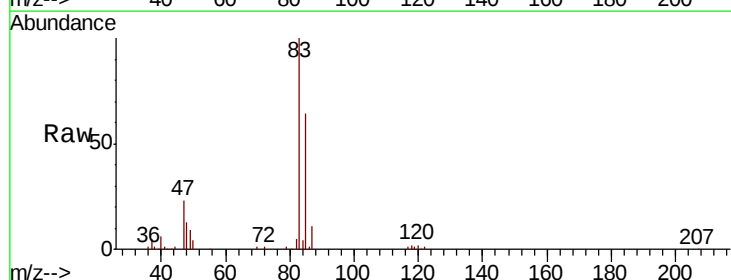
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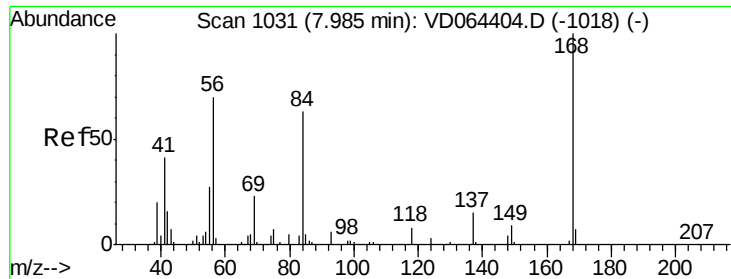
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#30
Chloroform
Concen: 21.121 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064472.D
Acq: 09 Dec 2019 13:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.8	77.6





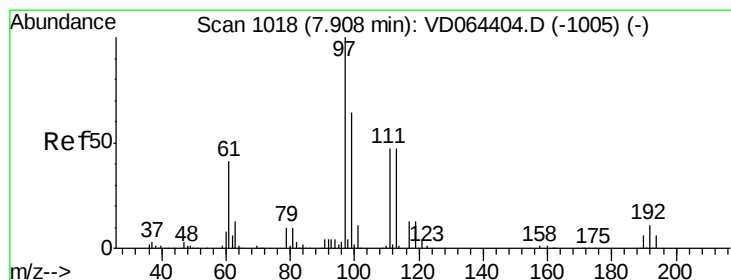
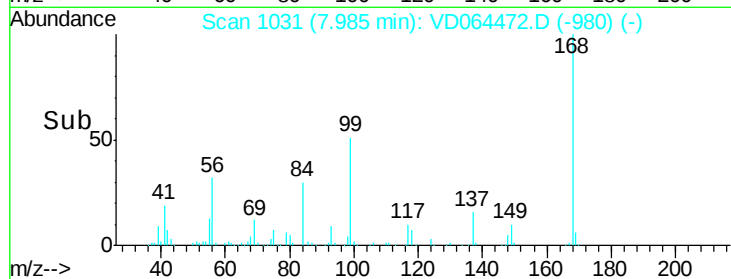
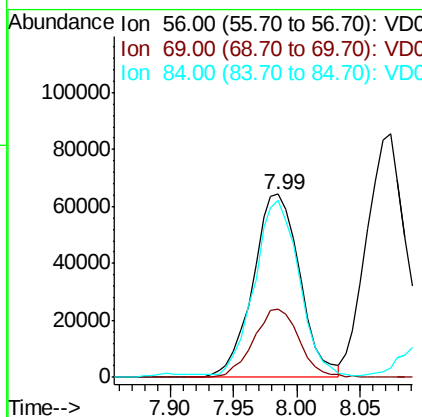
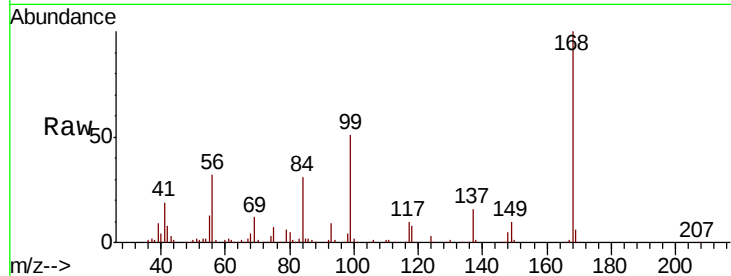
#31
Cyclohexane
Concen: 21.604 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064472.D
Acq: 09 Dec 2019 13:36

Instrument :
MSVOA_D
ClientSampleId :
VD1209SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.3	26.2	39.4
84	95.3	70.3	105.5

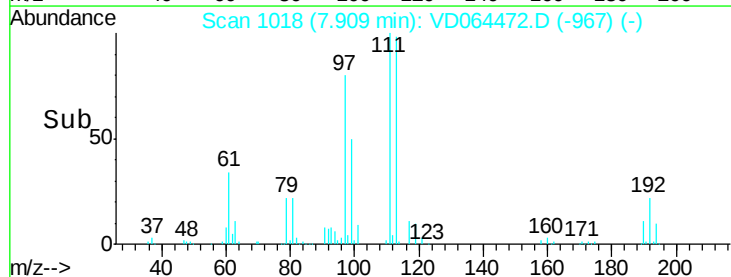
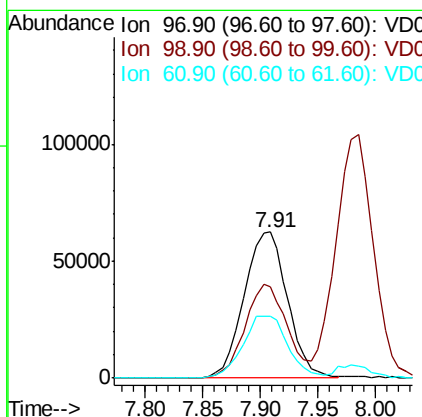
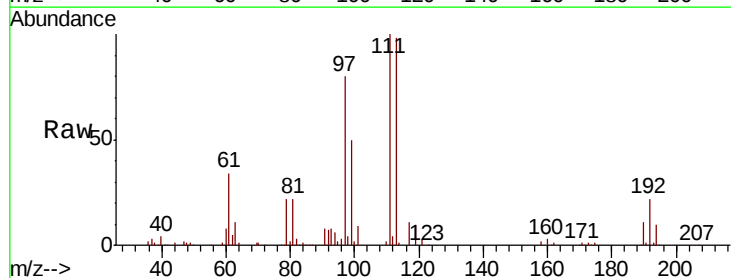
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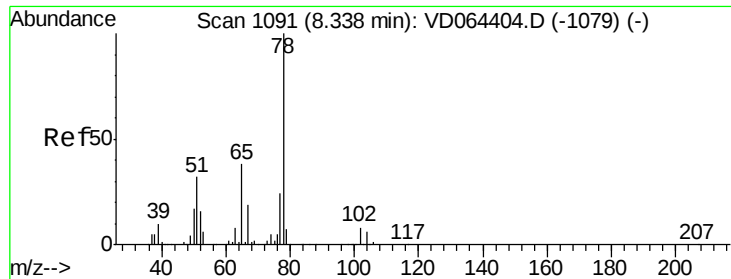
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#32
1,1,1-Trichloroethane
Concen: 21.634 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD064472.D
Acq: 09 Dec 2019 13:36

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.0	51.4	77.2
61	44.2	35.0	52.4





#33

1,2-Dichloroethane-d4

Concen: 51.841 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD064472.D

Acq: 09 Dec 2019 13:36

Instrument :

MSVOA_D

ClientSampleId :

VD1209SBS01

Tot Ion: 65 Resp: 220797

Ion Ratio Lower Upper

65 100

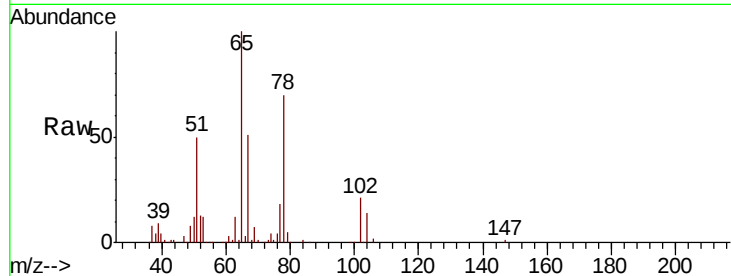
67 52.5 0.0 102.0

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.33

100000

80000

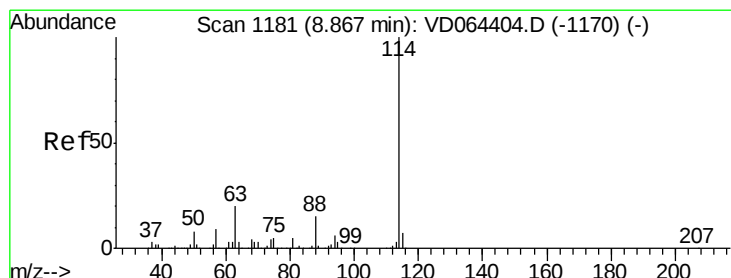
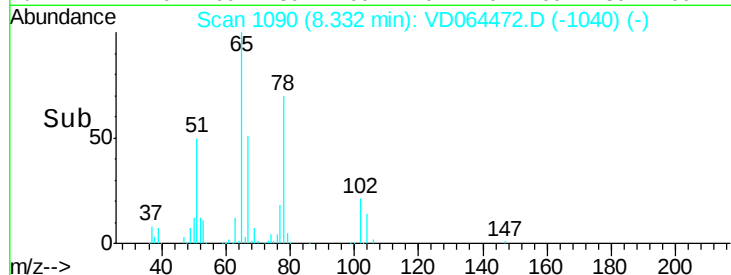
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD064472.D

Acq: 09 Dec 2019 13:36

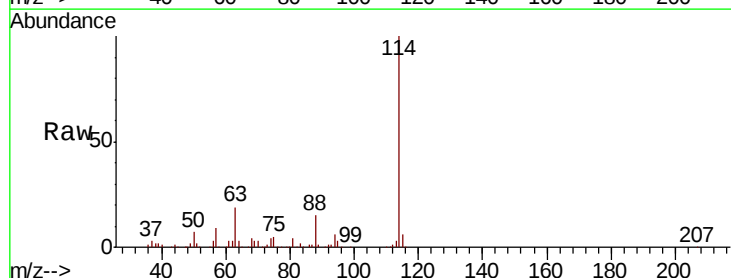
Tgt Ion: 114 Resp: 683767

Ion Ratio Lower Upper

114 100

63 18.7 0.0 40.0

88 15.0 0.0 29.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.87

400000

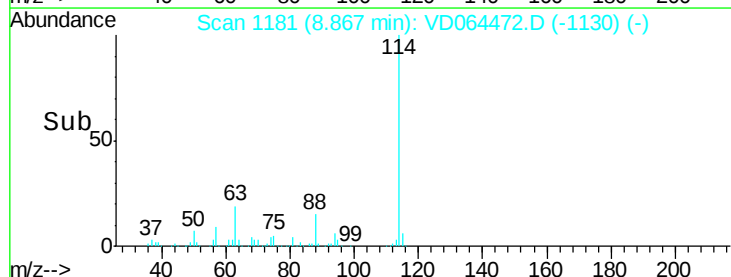
300000

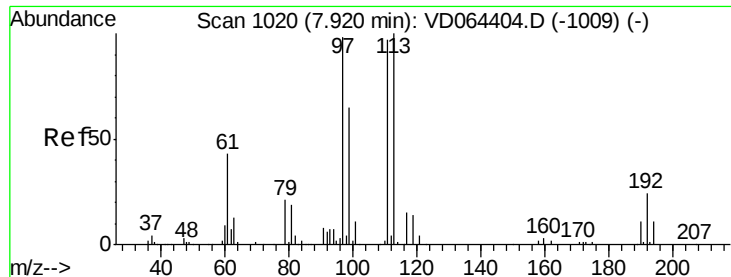
200000

100000

0

Time-->





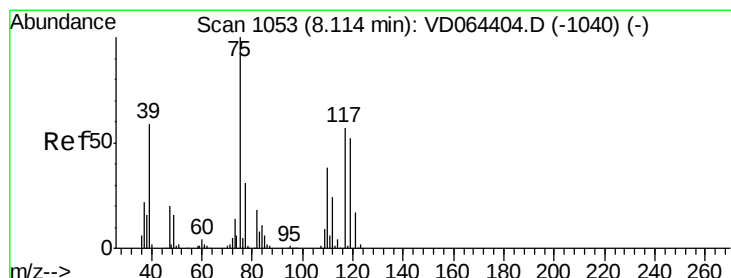
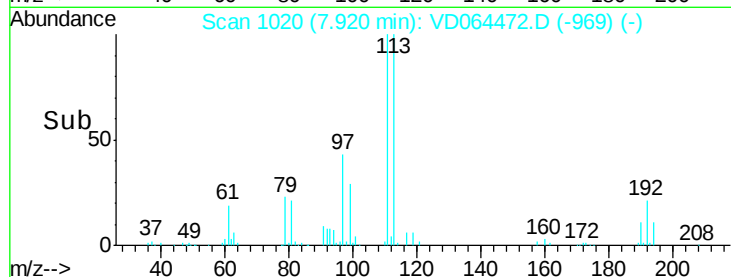
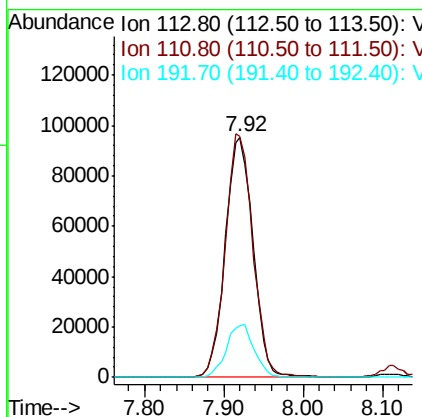
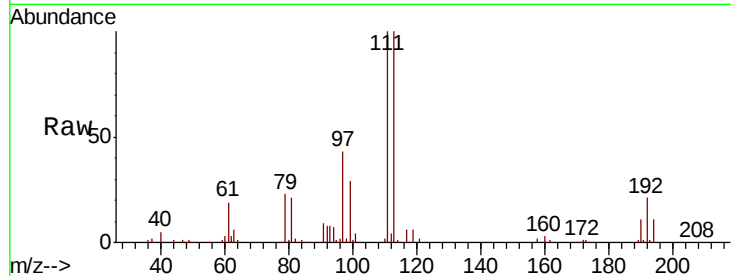
#35
 Dibromofluoromethane
 Concen: 53.636 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064472.D
 Acq: 09 Dec 2019 13:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1209SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	231070		
111	100.5	79.4	119.2	
192	21.8	18.6	28.0	

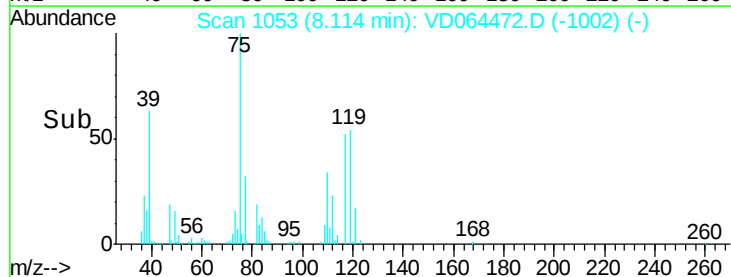
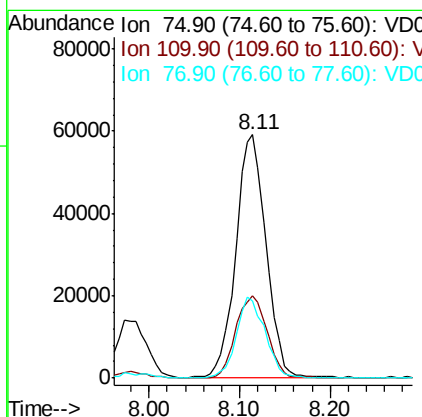
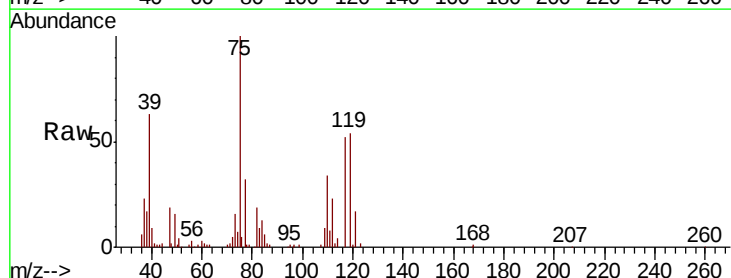
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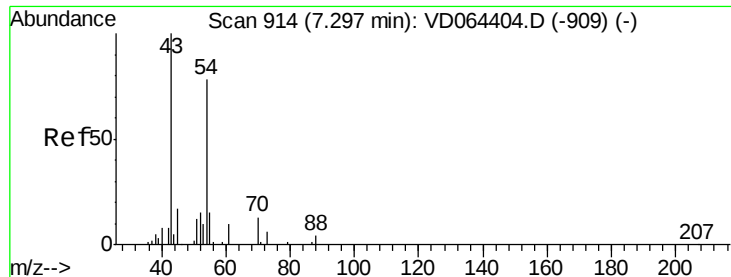
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#36
 1,1-Dichloropropene
 Concen: 21.269 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064472.D
 Acq: 09 Dec 2019 13:36

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	137557		
110	35.2	18.6	55.8	
77	31.7	25.0	37.4	





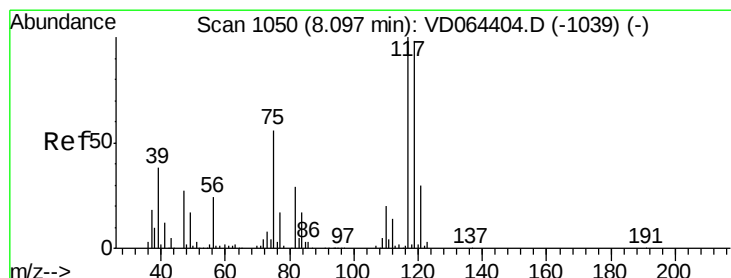
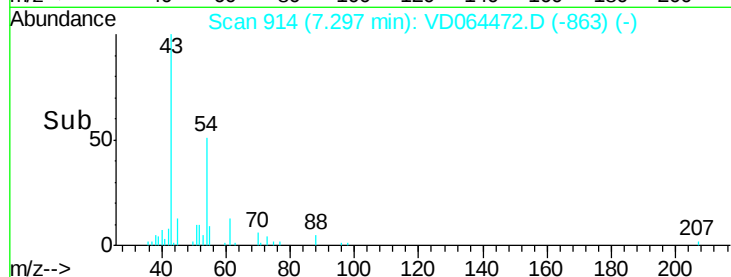
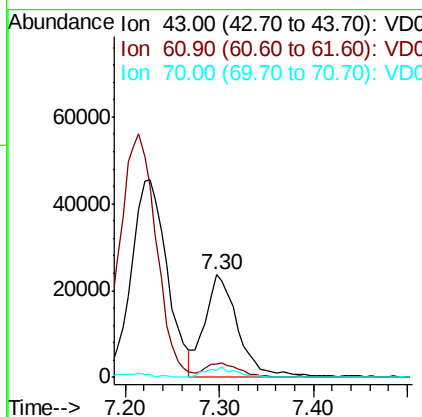
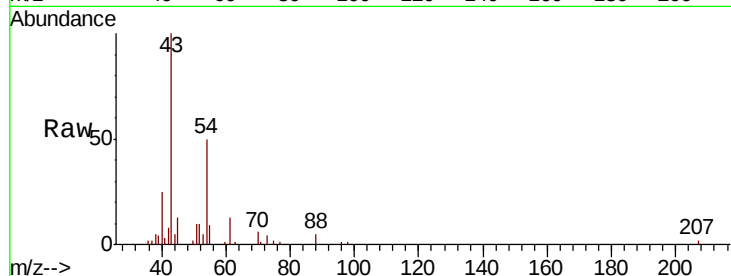
#37
Ethyl Acetate
Concen: 21.648 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD064472.D
Acq: 09 Dec 2019 13:36

Instrument :
MSVOA_D
ClientSampleId :
VD1209SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	10.9	16.3
70	8.9	8.3	12.5

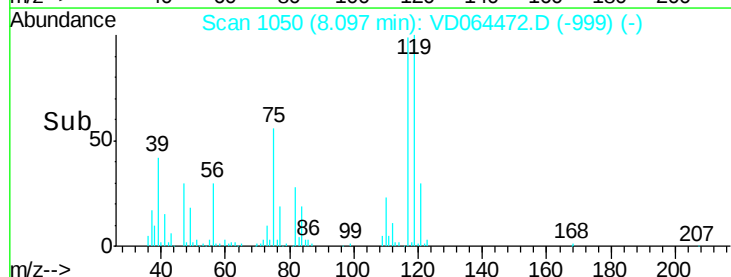
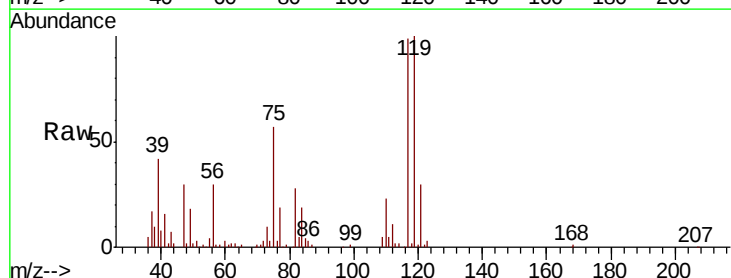
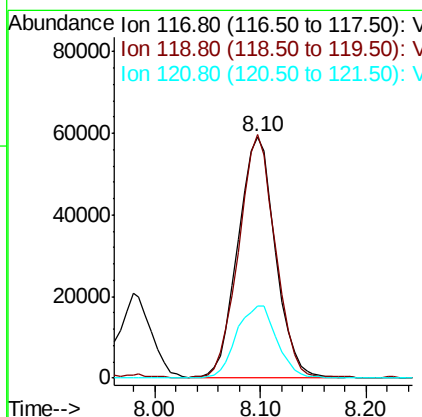
Manual Integrations
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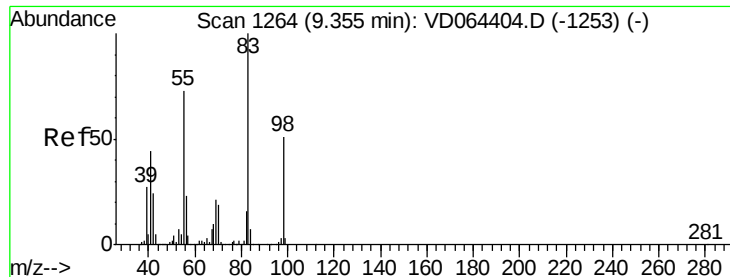
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#38
Carbon Tetrachloride
Concen: 21.358 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064472.D
Acq: 09 Dec 2019 13:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	100.8	78.8	118.2
121	29.9	24.2	36.2





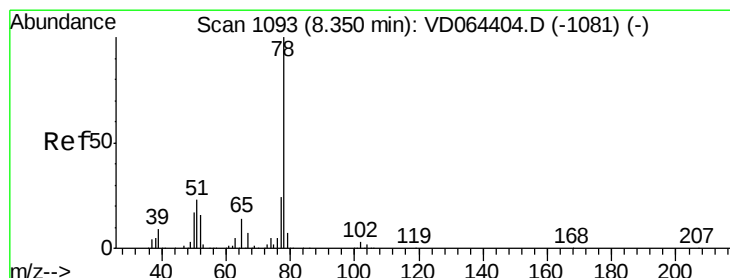
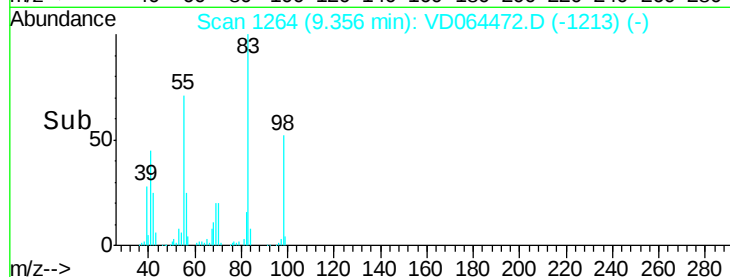
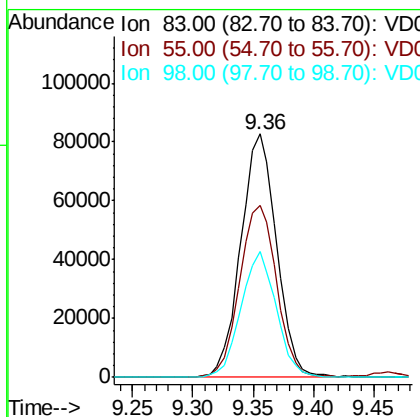
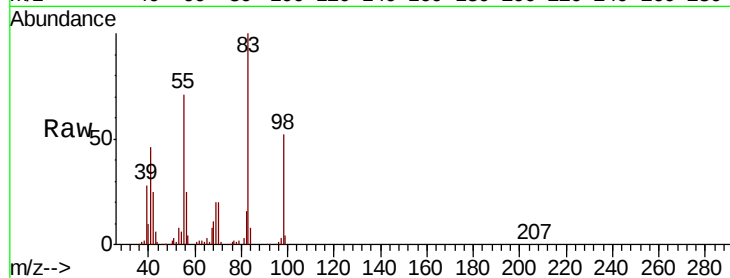
#39
Methvlcvclohexane
Concen: 21.328 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064472.D
Acq: 09 Dec 2019 13:36

Instrument :
MSVOA_D
ClientSampleId :
VD1209SBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	70.7	58.6	87.8
98	51.5	40.9	61.3

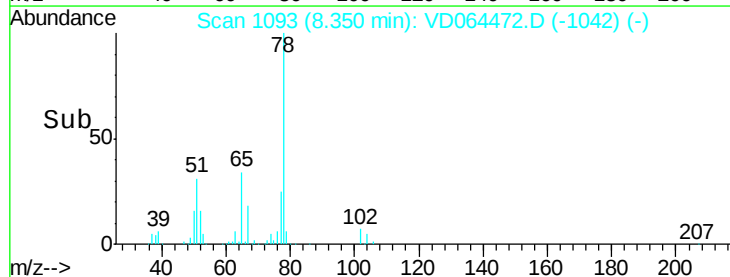
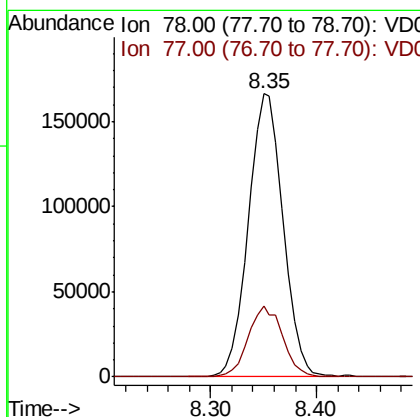
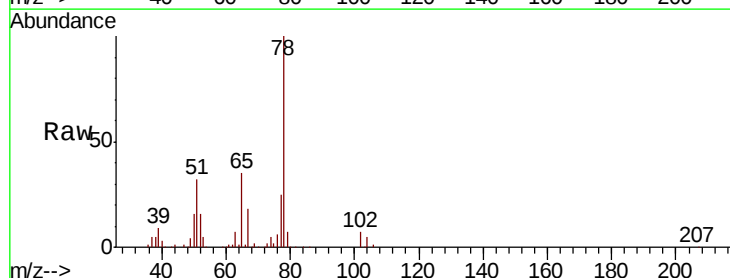
Manual Integrations
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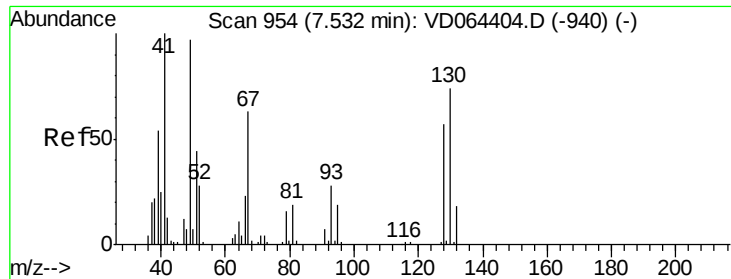
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#40
Benzene
Concen: 21.181 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD064472.D
Acq: 09 Dec 2019 13:36

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.9	19.6	29.4





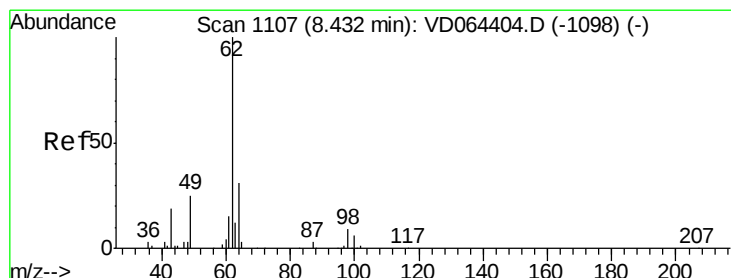
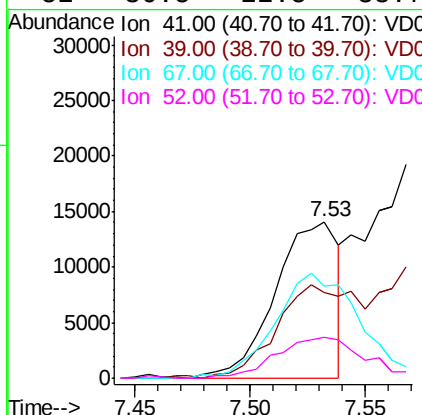
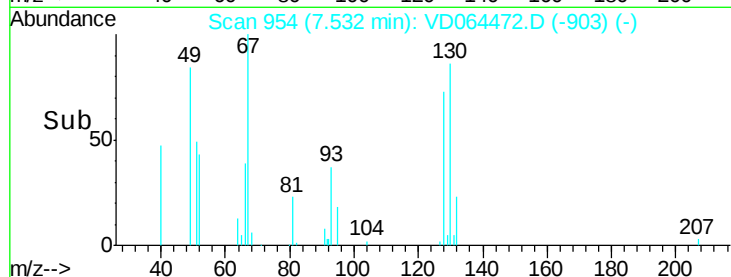
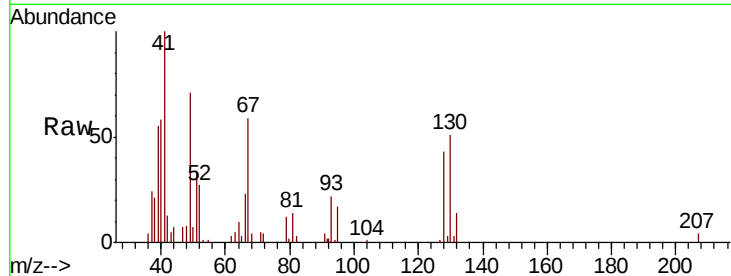
#41
Methacrylonitrile
Concen: 17.118 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.00 min
Lab File: VD064472.D
Acq: 09 Dec 2019 13:36

Instrument :
MSVOA_D
ClientSampleId :
VD1209SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	77.0	44.6	67.0#
67	89.4	50.9	76.3#
52	36.5	22.5	33.7#

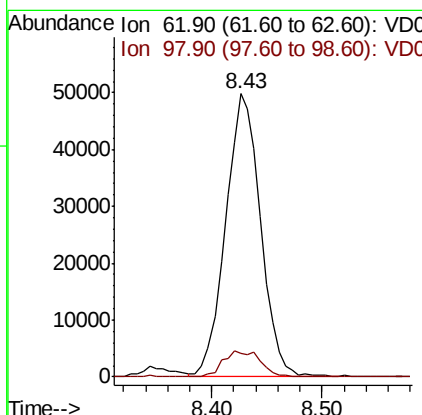
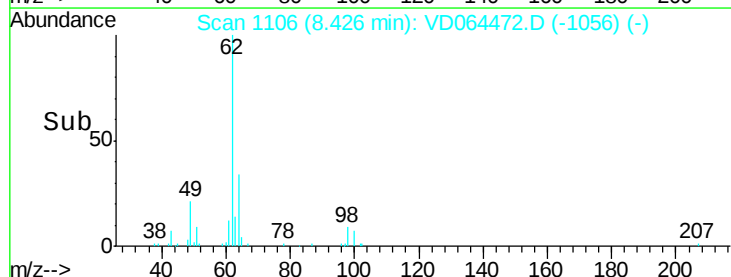
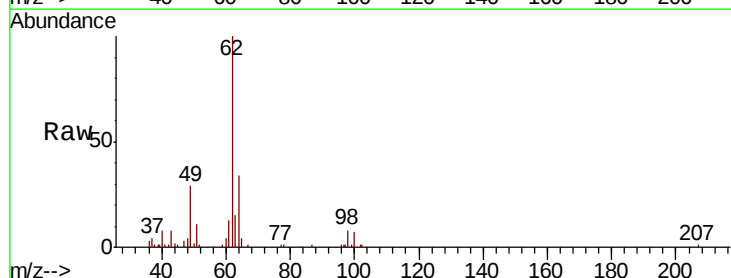
Manual Integrations
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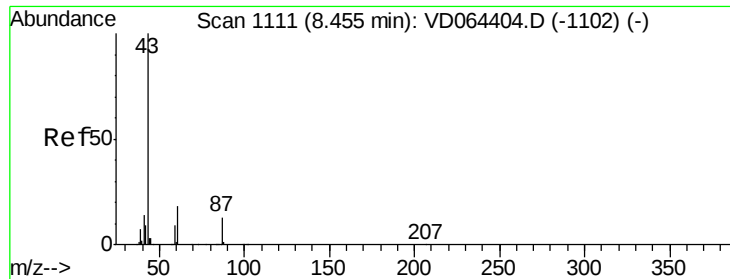
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#42
1,2-Dichloroethane
Concen: 21.035 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD064472.D
Acq: 09 Dec 2019 13:36

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	20.6





#43

Isopropyl Acetate

Concen: 20.263 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD064472.D

Acq: 09 Dec 2019 13:36

Instrument :

MSVOA_D

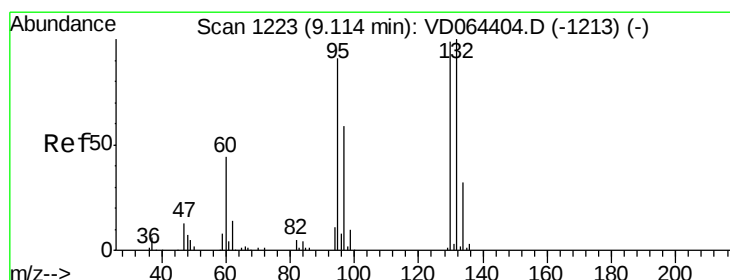
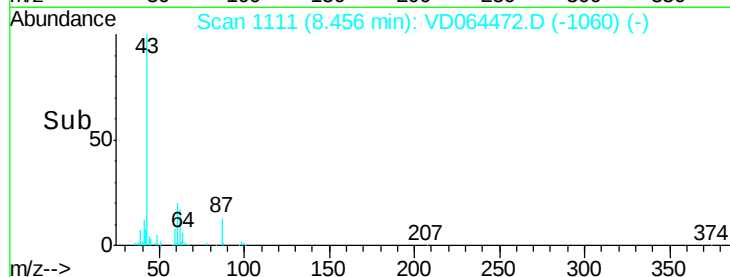
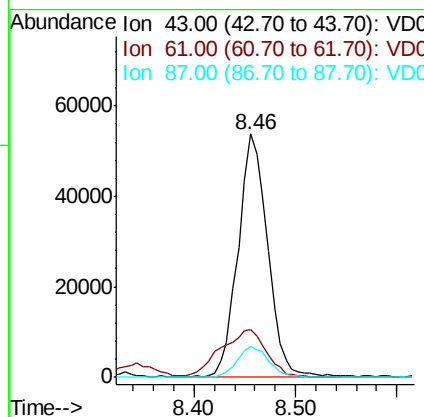
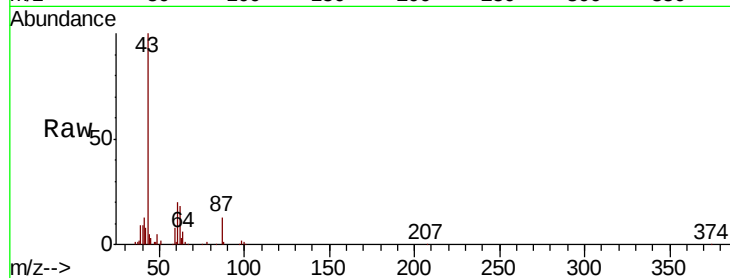
ClientSampleId :

VD1209SBS01

Tot Ion:	43	Resp:	109335
Ion	Ratio	Lower	Upper
43	100		
61	30.2	24.0	36.0
87	13.2	10.6	15.8

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#44

Trichloroethene

Concen: 21.379 ug/l

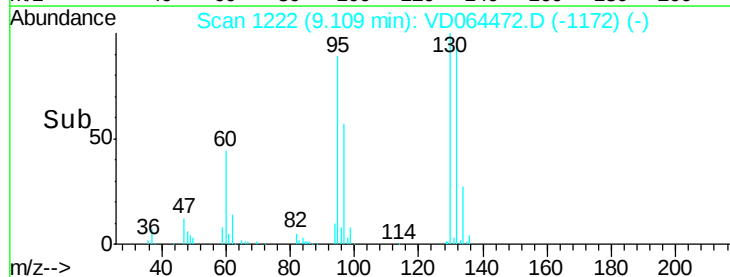
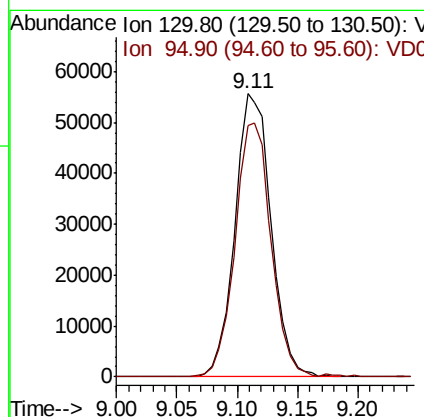
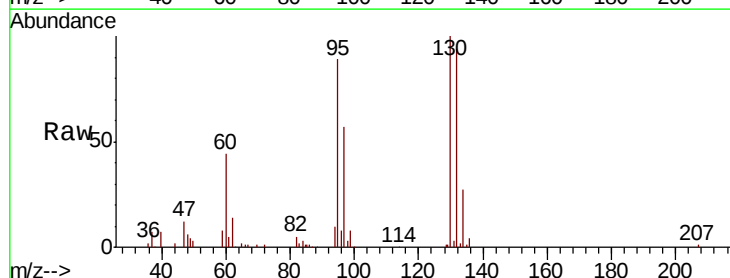
RT: 9.11 min Scan# 1222

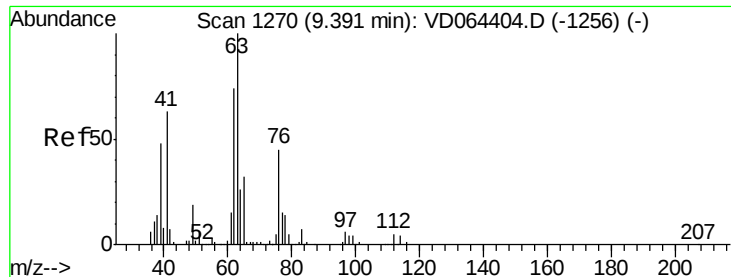
Delta R.T. -0.01 min

Lab File: VD064472.D

Acq: 09 Dec 2019 13:36

Tgt Ion:	130	Resp:	115681
Ion	Ratio	Lower	Upper
130	100		
95	88.7	0.0	184.6





#45

1,2-Dichloropropane

Concen: 21.720 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD064472.D

Acq: 09 Dec 2019 13:36

Instrument :

MSVOA_D

ClientSampleId :

VD1209SBSD01

Tot Ion: 63 Resp: 93310

Ion Ratio Lower Upper

63 100

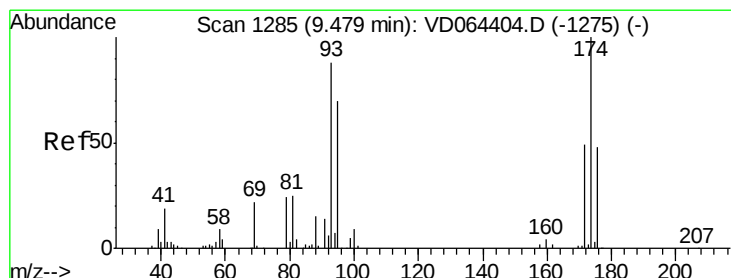
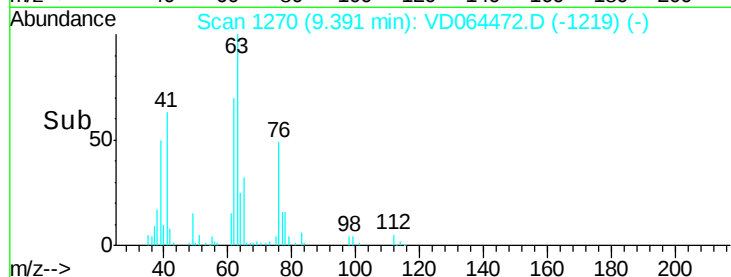
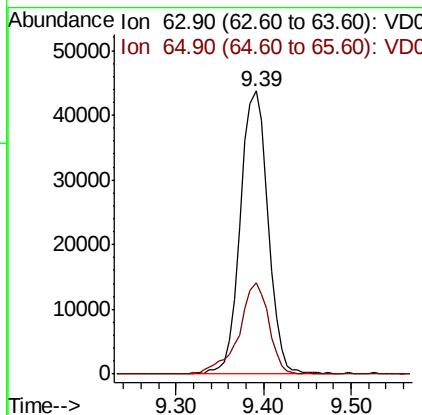
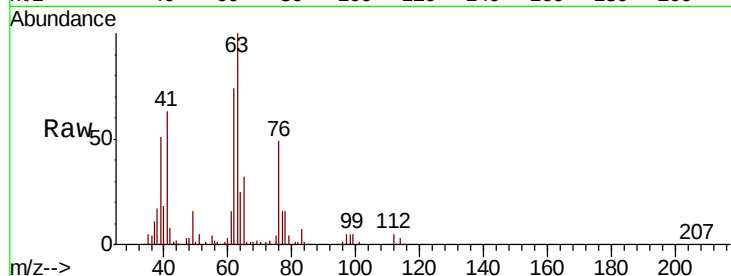
65 32.2 25.4 38.0

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#46

Dibromomethane

Concen: 20.677 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. -0.01 min

Lab File: VD064472.D

Acq: 09 Dec 2019 13:36

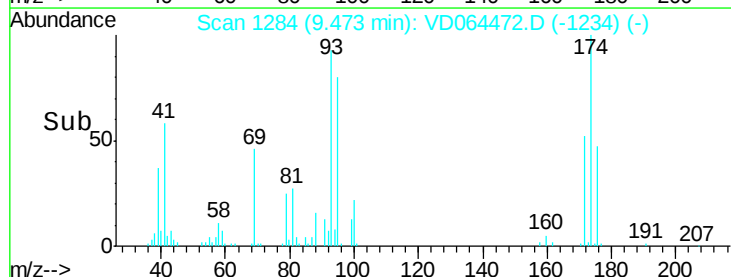
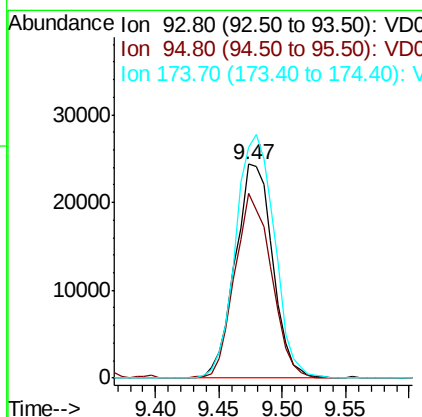
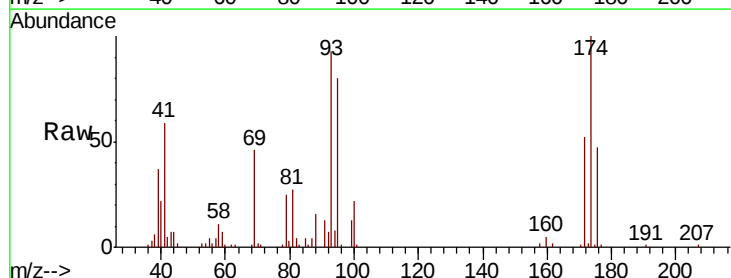
Tgt Ion: 93 Resp: 50134

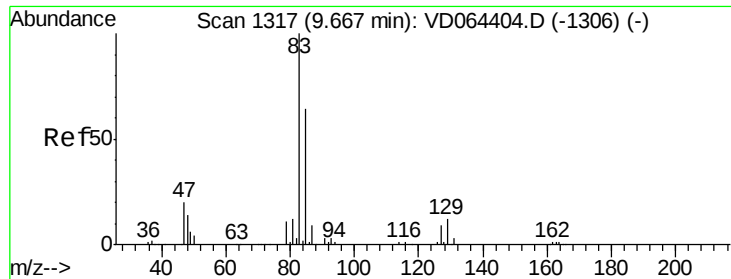
Ion Ratio Lower Upper

93 100

95 84.1 66.7 100.1

174 117.2 92.3 138.5





#47

Bromodichloromethane

Concen: 21.598 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD064472.D

Acq: 09 Dec 2019 13:36

Instrument :

MSVOA_D

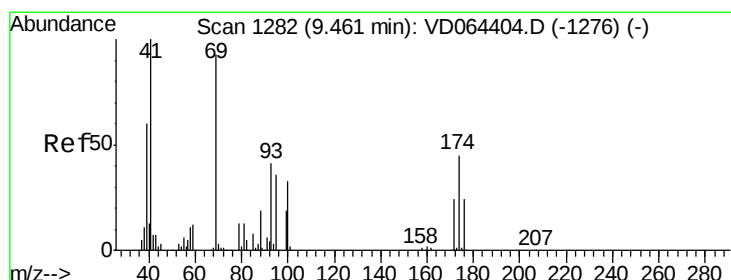
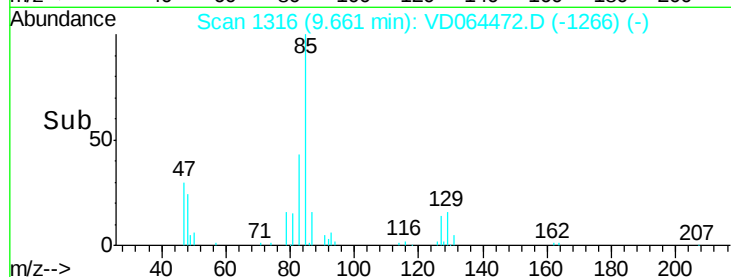
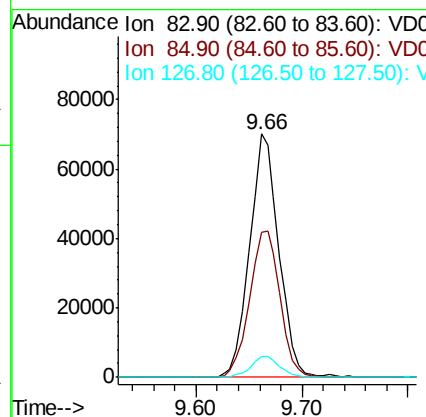
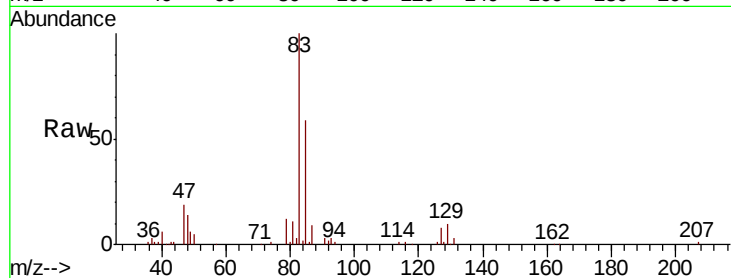
ClientSampleId :

VD1209SBSD01

Tot Ion:	83	Resp:	134555
Ion	Ratio	Lower	Upper
83	100		
85	59.4	51.1	76.7
127	8.3	7.4	11.0

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#48

Methyl methacrylate

Concen: 20.468 ug/l

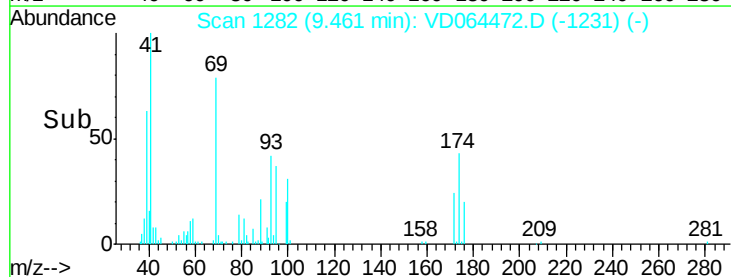
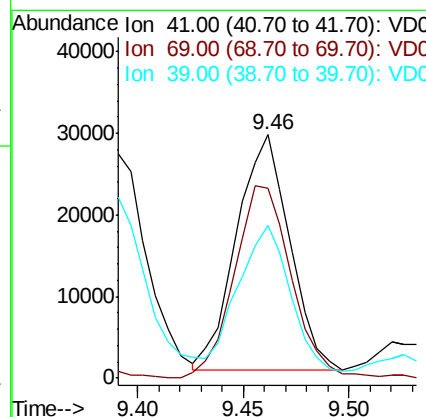
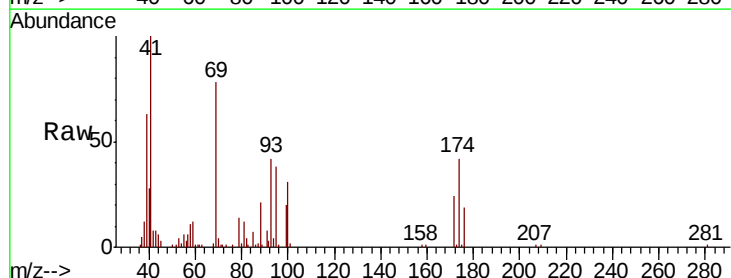
RT: 9.46 min Scan# 1282

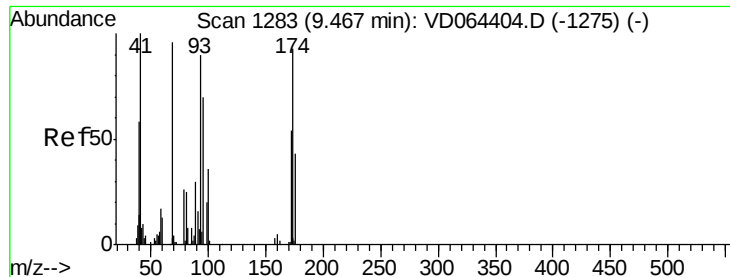
Delta R.T. 0.00 min

Lab File: VD064472.D

Acq: 09 Dec 2019 13:36

Tgt Ion:	41	Resp:	50537
Ion	Ratio	Lower	Upper
41	100		
69	88.1	72.0	108.0
39	59.4	55.2	82.8





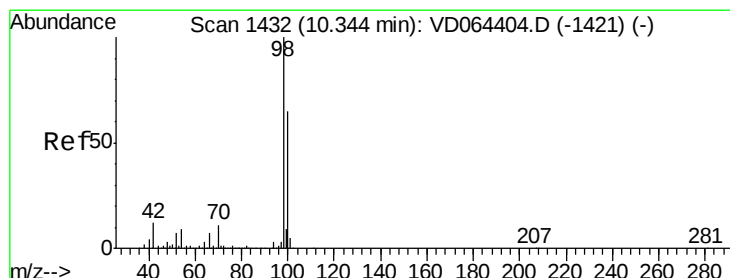
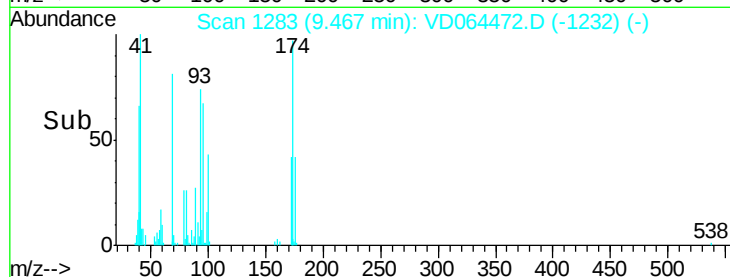
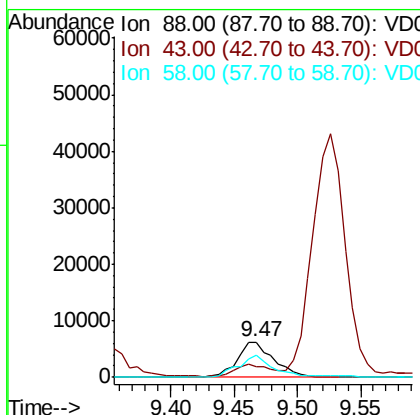
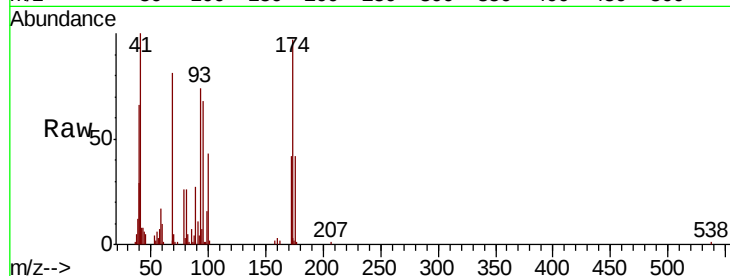
#49
1,4-Dioxane
Concen: 419.494 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD064472.D
Acq: 09 Dec 2019 13:36

Instrument :
MSVOA_D
ClientSampleId :
VD1209SBSD01

Tot Ion	88	Resp	12560
Ion Ratio	Lower	Upper	
88	100		
43	36.7	26.7	40.1
58	58.6	52.3	78.5

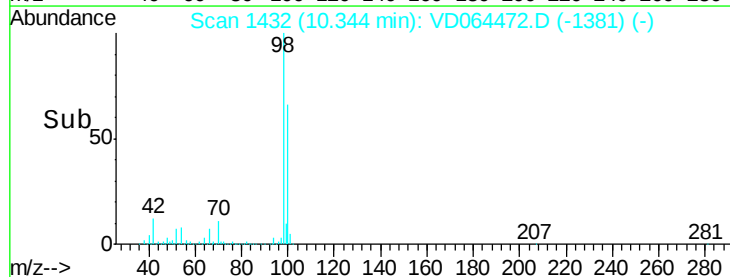
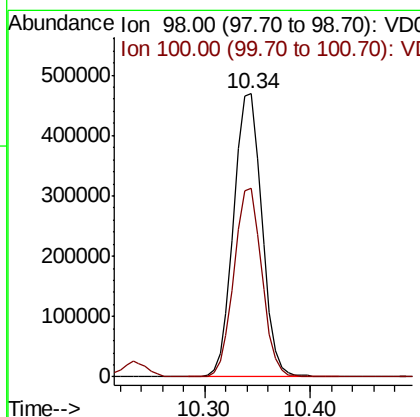
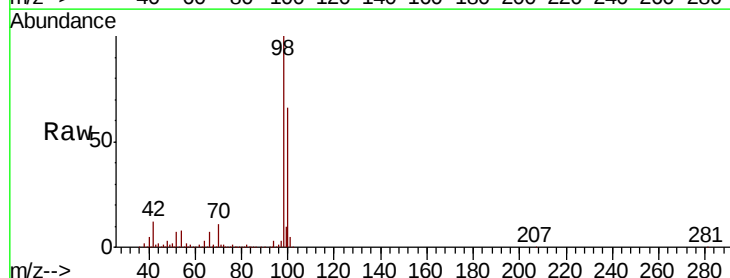
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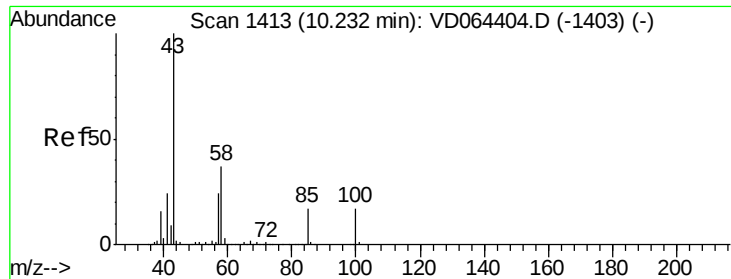
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#50
Toluene-d8
Concen: 53.577 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD064472.D
Acq: 09 Dec 2019 13:36

Tgt Ion	98	Resp	869443
Ion Ratio	Lower	Upper	
98	100		
100	65.8	52.6	79.0





#51

4-Methyl-2-Pentanone

Concen: 103.912 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD064472.D

Acq: 09 Dec 2019 13:36

Instrument :

MSVOA_D

ClientSampleId :

VD1209SBS01

Tot Ion: 43 Resp: 277424

Ion Ratio Lower Upper

43 100

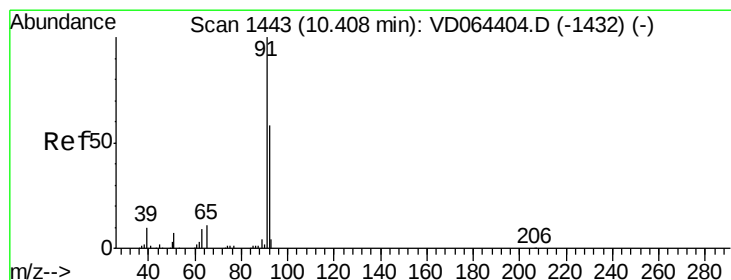
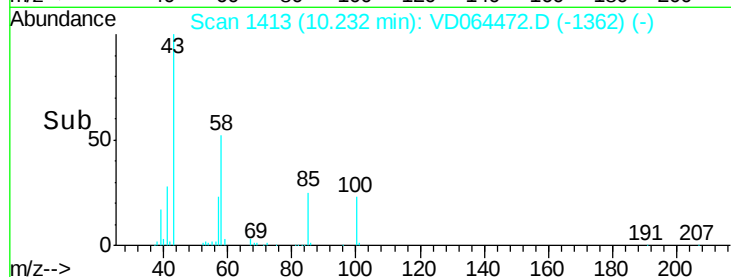
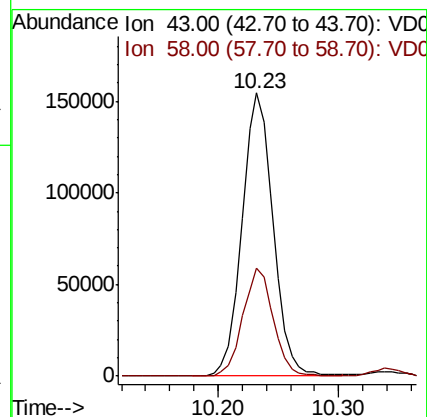
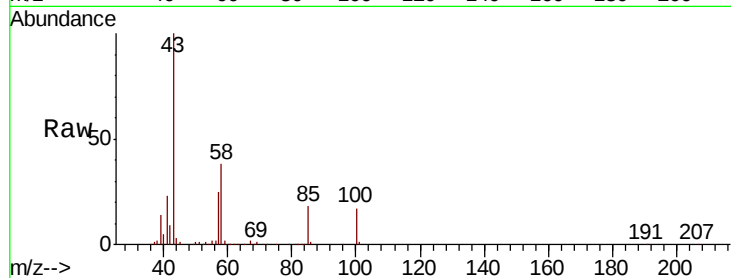
58 37.4 30.6 46.0

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#52

Toluene

Concen: 20.780 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.01 min

Lab File: VD064472.D

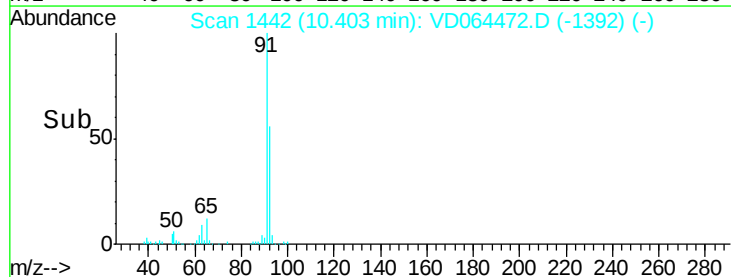
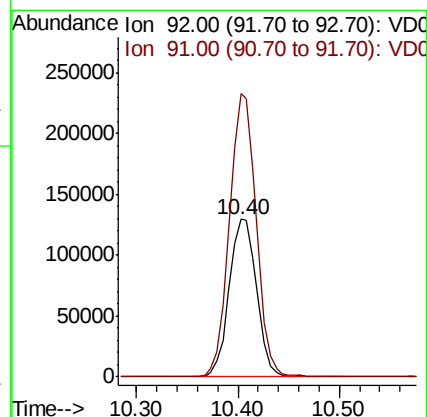
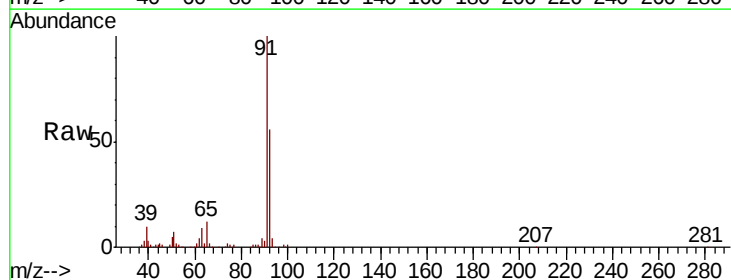
Acq: 09 Dec 2019 13:36

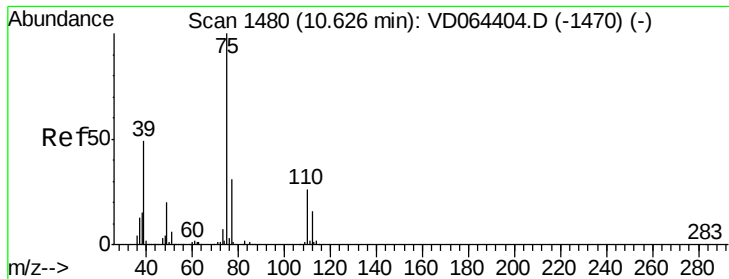
Tgt Ion: 92 Resp: 243268

Ion Ratio Lower Upper

92 100

91 174.8 137.8 206.6





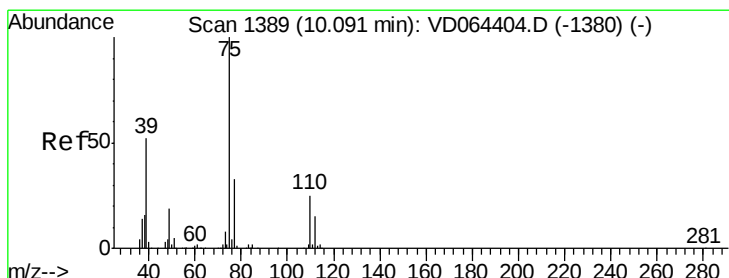
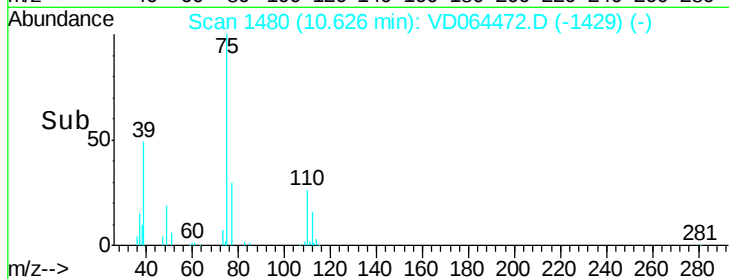
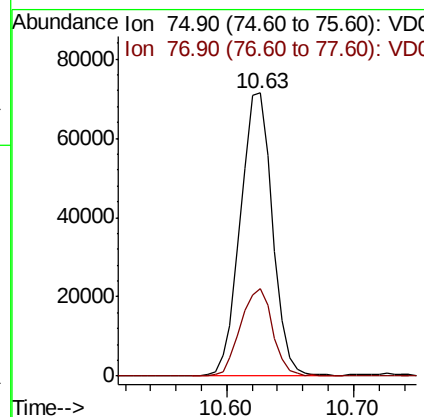
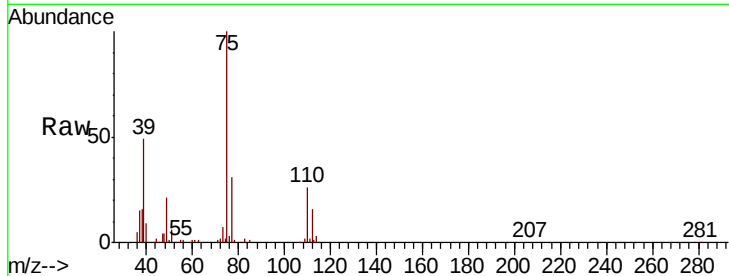
#53
t-1,3-Dichloropropene
Concen: 21.207 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD064472.D
Acq: 09 Dec 2019 13:36

Instrument :
MSVOA_D
ClientSampleId :
VD1209SBSD01

Tot Ion: 75 Resp: 125914
Ion Ratio Lower Upper
75 100
77 31.0 25.0 37.4

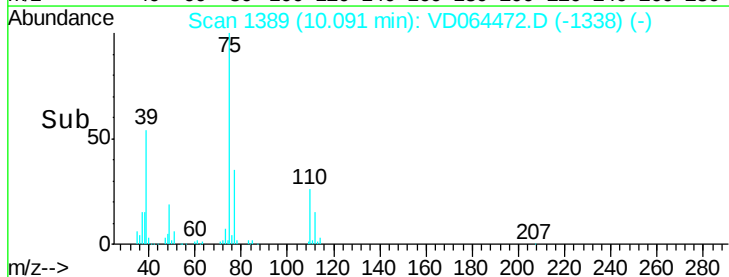
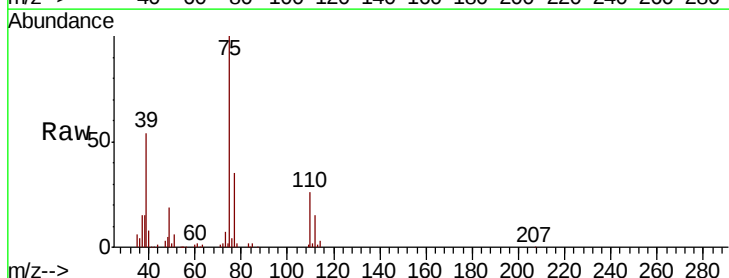
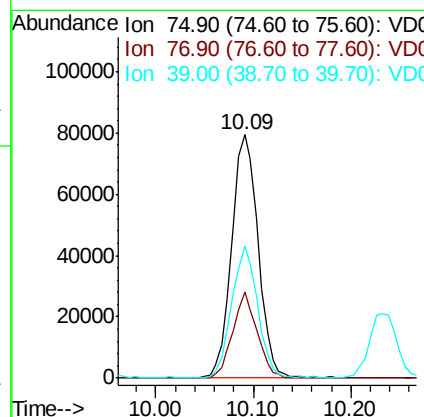
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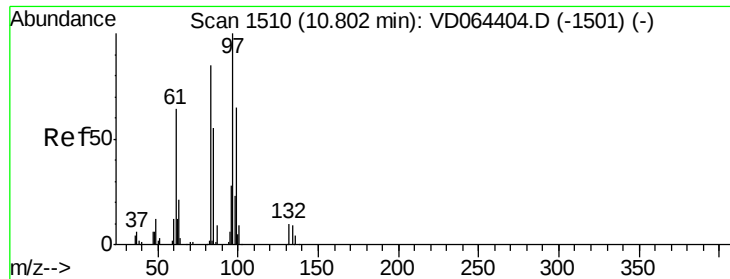
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#54
cis-1,3-Dichloropropene
Concen: 21.257 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VD064472.D
Acq: 09 Dec 2019 13:36

Tgt Ion: 75 Resp: 149937
Ion Ratio Lower Upper
75 100
77 35.3 26.1 39.1
39 54.2 41.5 62.3





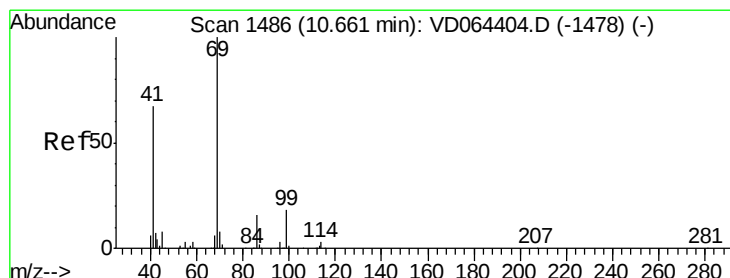
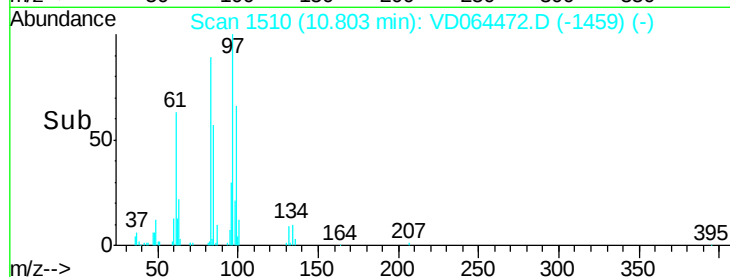
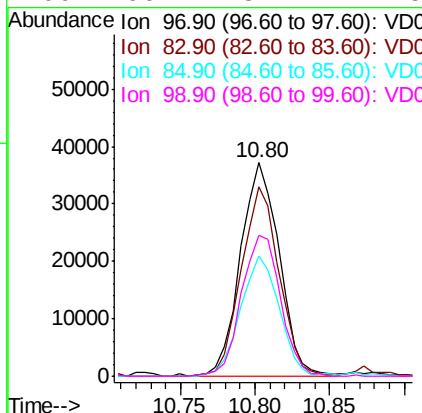
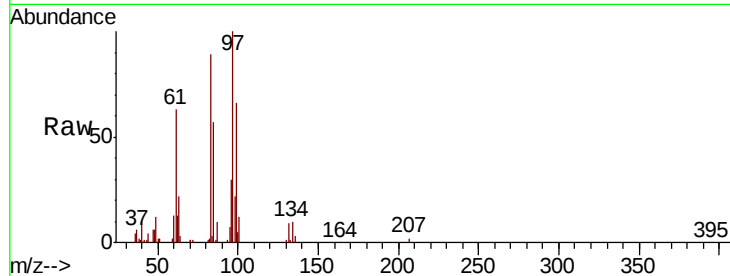
#55
 1,1,2-Trichloroethane
 Concen: 20.185 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064472.D
 Acq: 09 Dec 2019 13:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1209SBSD01

Tot Ion	Ratio	Lower	Upper
97	100		
83	88.9	67.8	101.8
85	56.5	43.7	65.5
99	66.2	51.7	77.5

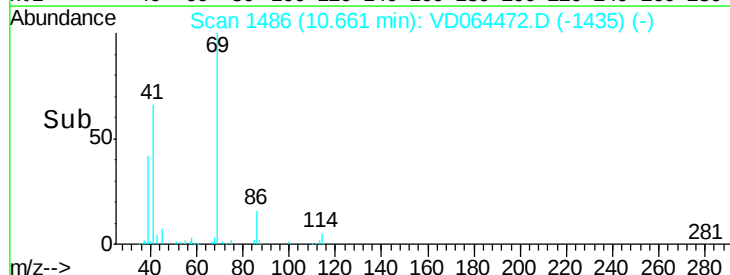
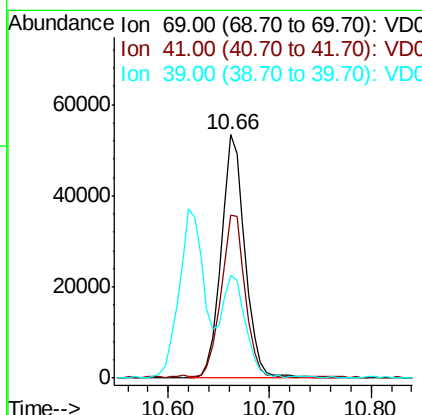
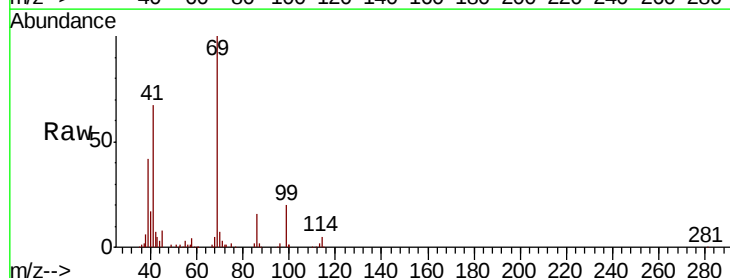
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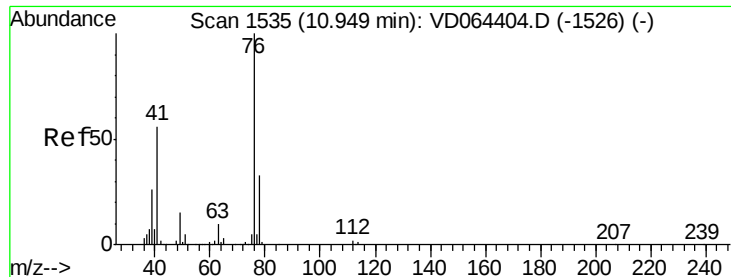
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#56
 Ethyl methacrylate
 Concen: 20.395 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD064472.D
 Acq: 09 Dec 2019 13:36

Tgt Ion	Ratio	Lower	Upper
69	100		
41	67.6	55.0	82.4
39	42.0	33.0	49.6





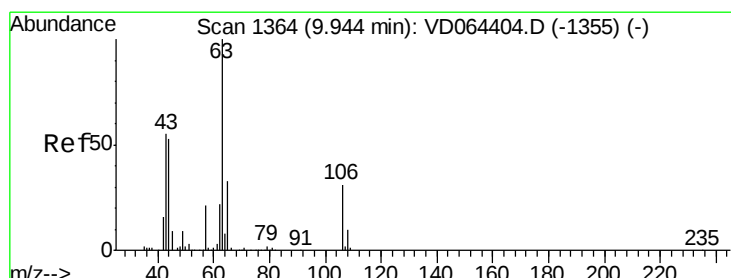
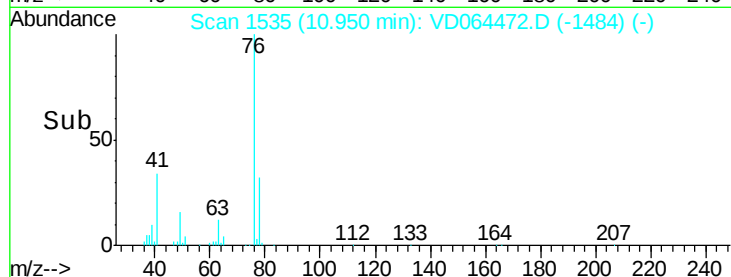
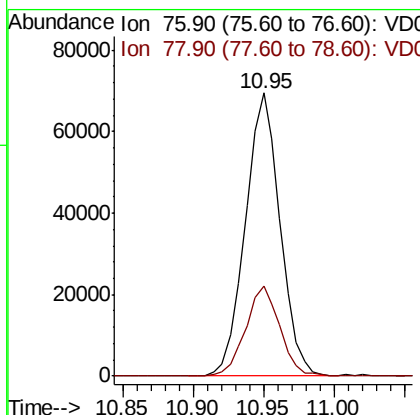
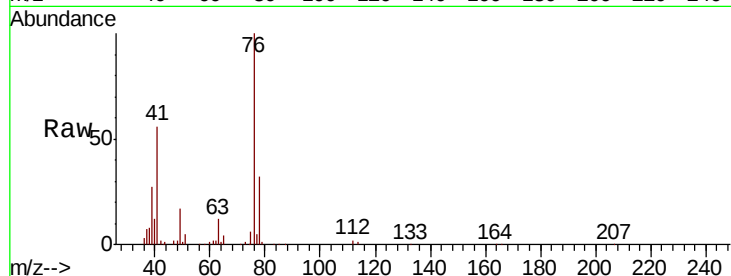
#57
 1,3-Dichloropropane
 Concen: 21.180 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064472.D
 Acq: 09 Dec 2019 13:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1209SBSD01

Tot Ion: 76 Resp: 119703
 Ion Ratio Lower Upper
 76 100
 78 31.3 26.0 39.0

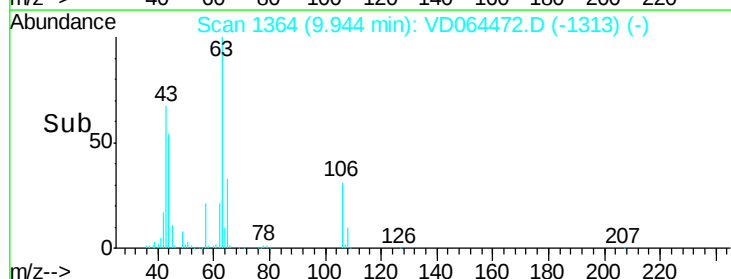
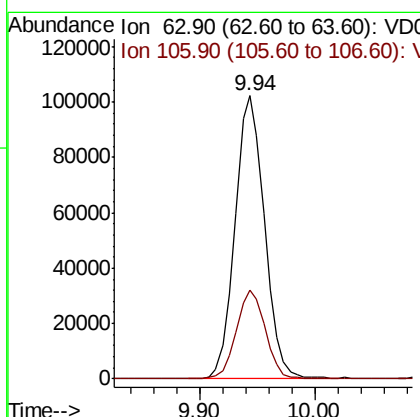
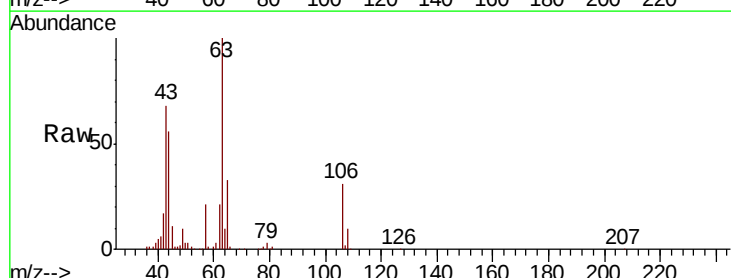
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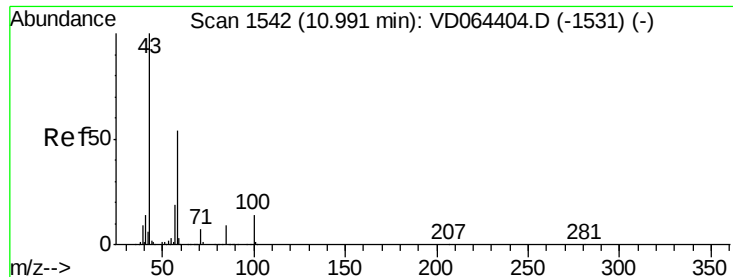
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#58
 2-Chloroethyl Vinyl ether
 Concen: 106.878 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD064472.D
 Acq: 09 Dec 2019 13:36

Tgt Ion: 63 Resp: 180413
 Ion Ratio Lower Upper
 63 100
 106 30.7 24.2 36.4





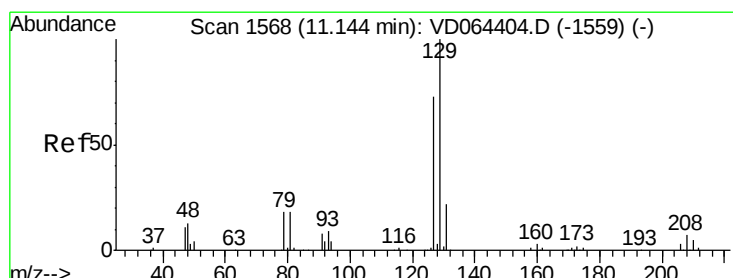
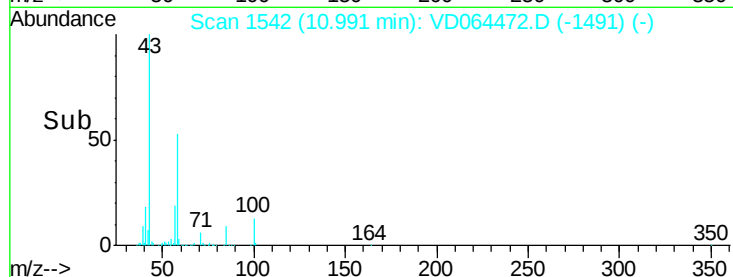
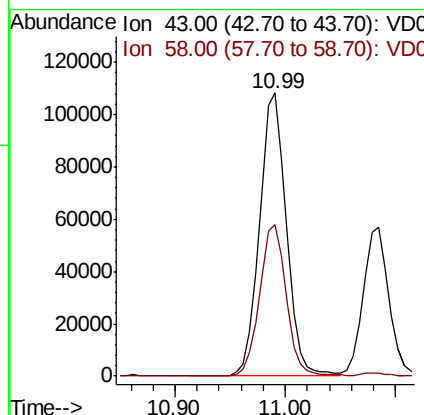
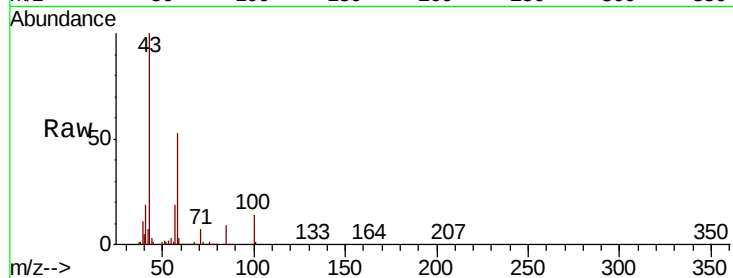
#59
2-Hexanone
Concen: 100.182 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064472.D
Acq: 09 Dec 2019 13:36

Instrument :
MSVOA_D
ClientSampleId :
VD1209SBS01

Tot Ion: 43 Resp: 185592
Ion Ratio Lower Upper
43 100
58 52.8 26.3 78.8

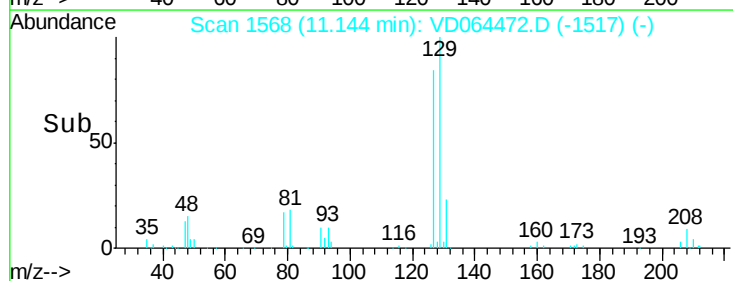
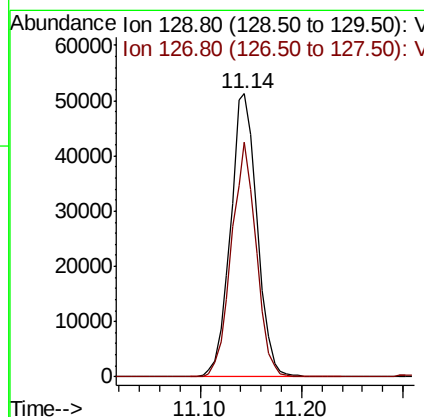
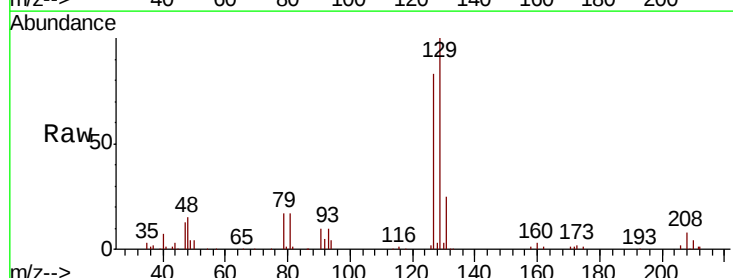
Manual Integrations
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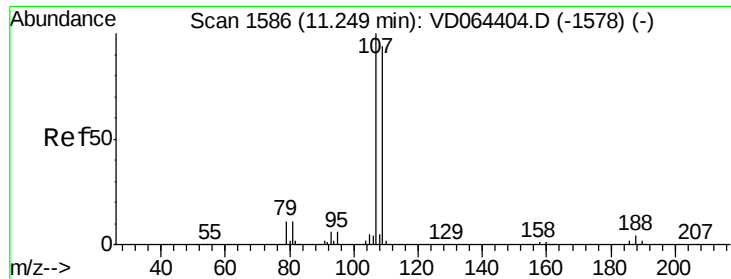
apatel
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#60
Dibromochloromethane
Concen: 20.792 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064472.D
Acq: 09 Dec 2019 13:36

Tgt Ion: 129 Resp: 93596
Ion Ratio Lower Upper
129 100
127 76.7 38.1 114.3





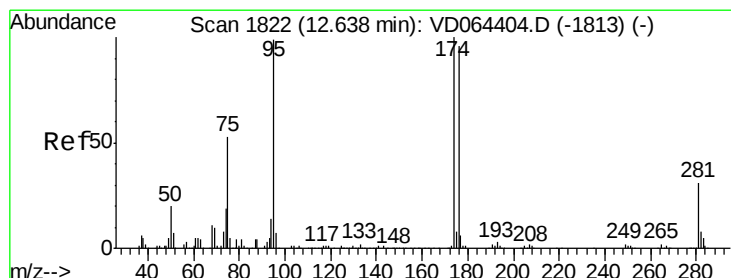
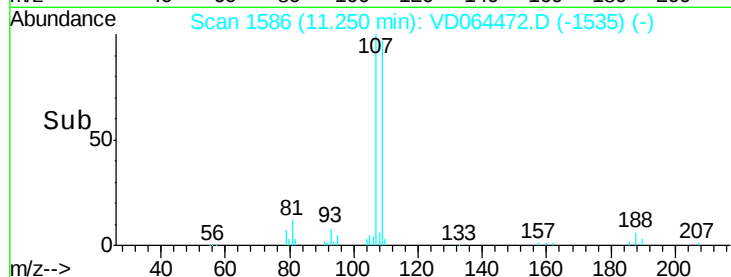
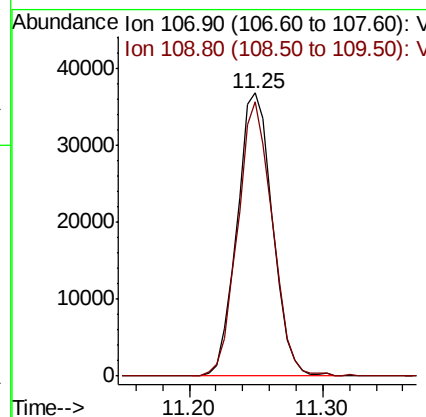
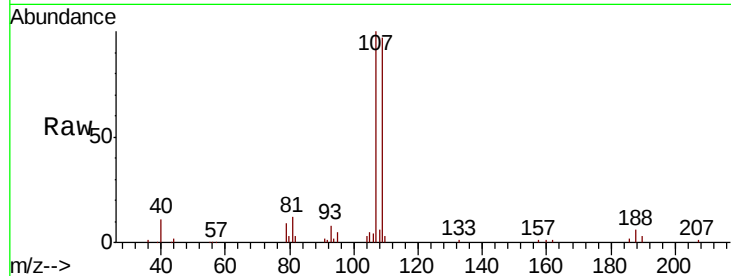
#61
 1,2-Dibromoethane
 Concen: 20.386 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064472.D
 Acq: 09 Dec 2019 13:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1209SBSD01

Tot Ion: 107 Resp: 67579
 Ion Ratio Lower Upper
 107 100
 109 95.3 76.2 114.2

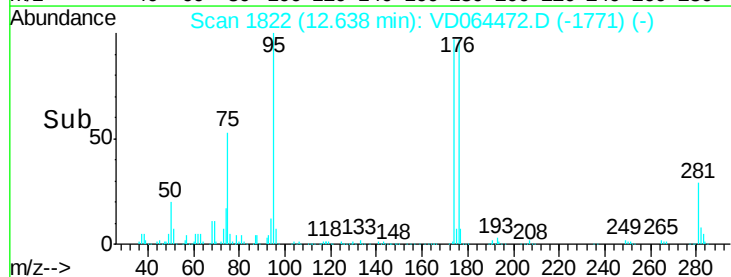
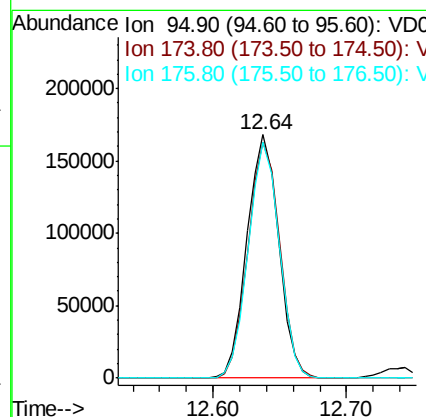
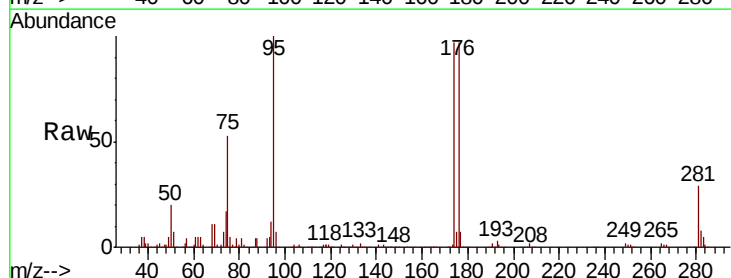
Manual Integrations
 APPROVED

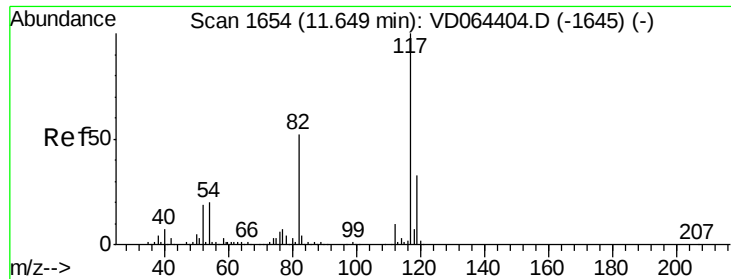
apatel
 12/10/2019 4:06:52 PM



#62
 4-Bromofluorobenzene
 Concen: 52.643 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064472.D
 Acq: 09 Dec 2019 13:36

Tgt Ion: 95 Resp: 274544
 Ion Ratio Lower Upper
 95 100
 174 97.1 0.0 197.2
 176 95.4 0.0 189.6





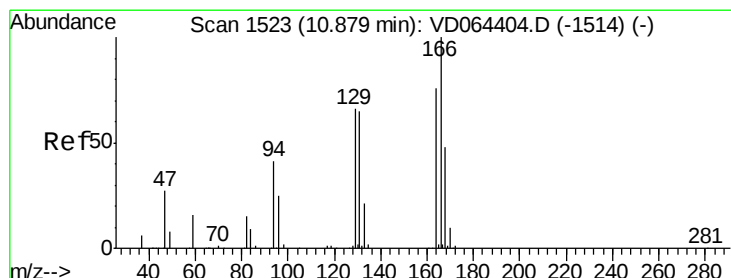
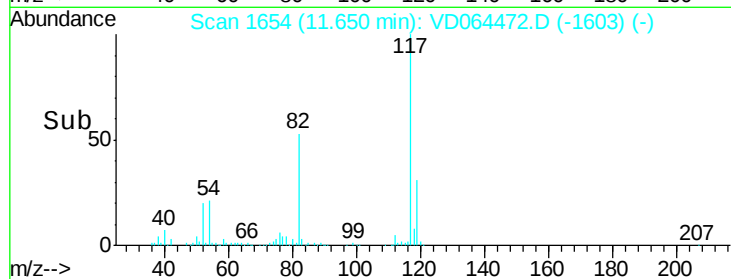
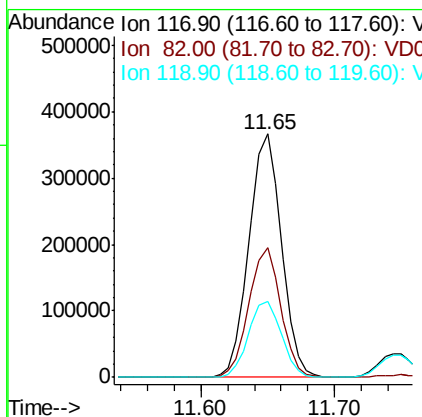
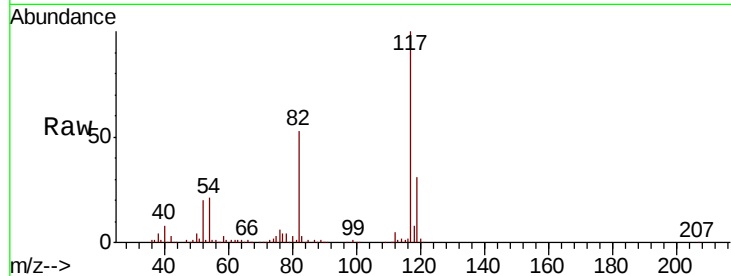
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064472.D
Acq: 09 Dec 2019 13:36

Instrument :
MSVOA_D
ClientSampleId :
VD1209SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.2	41.4	62.2
119	31.0	26.2	39.2

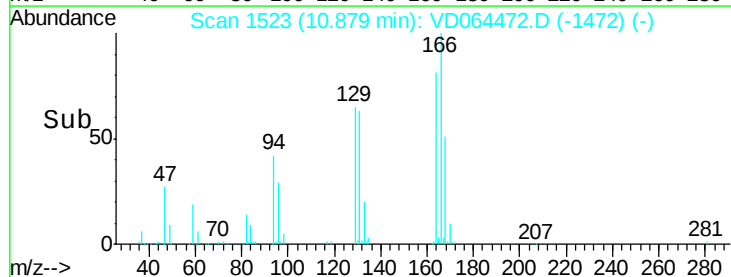
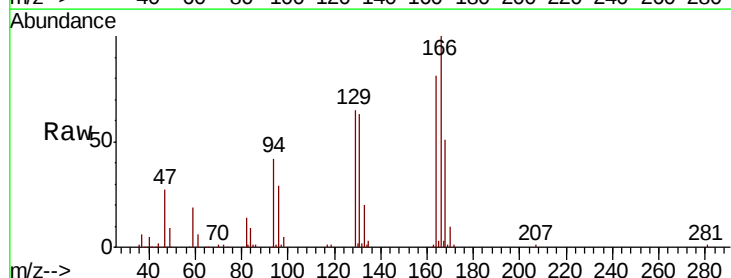
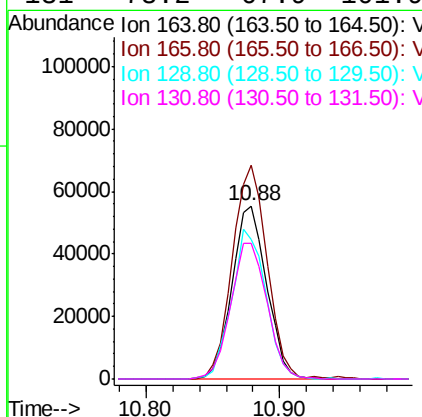
Manual Integrations
APPROVED

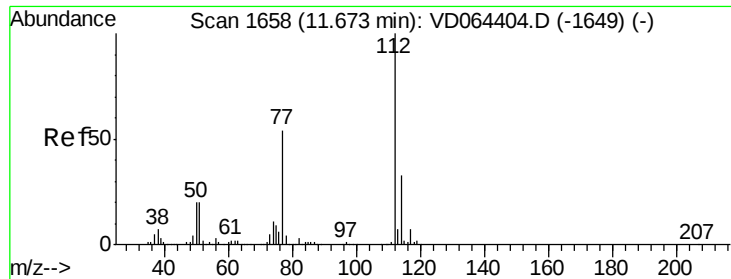
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#64
Tetrachloroethene
Concen: 21.249 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064472.D
Acq: 09 Dec 2019 13:36

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.4	104.8	157.2
129	80.8	68.7	103.1
131	78.2	67.9	101.9





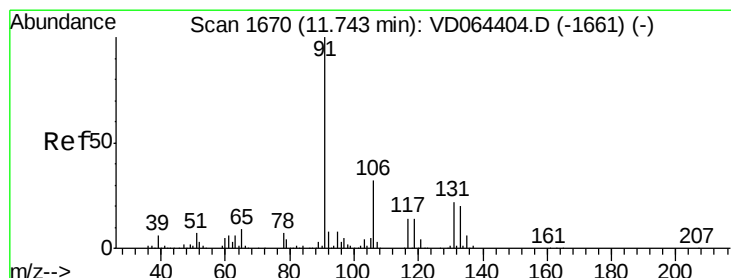
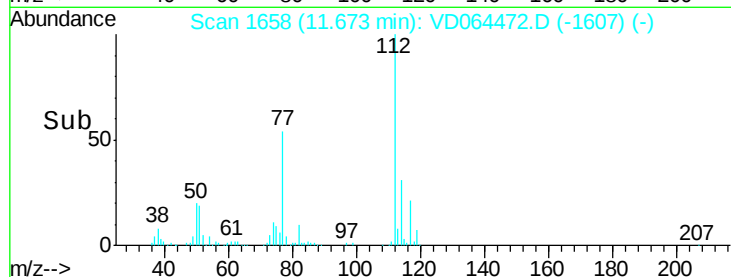
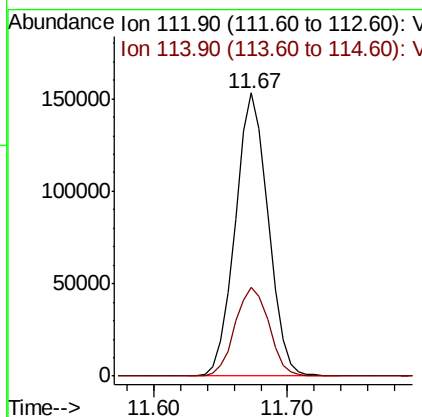
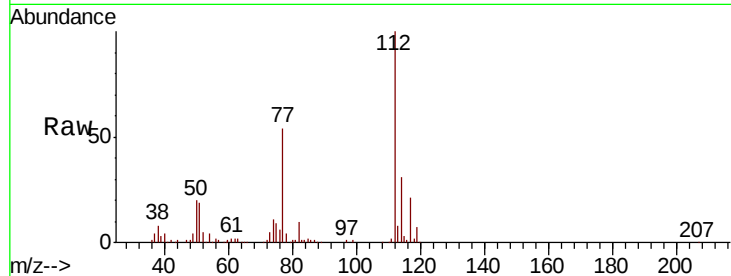
#65
Chlorobenzene
Concen: 20.303 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064472.D
Acq: 09 Dec 2019 13:36

Instrument :
MSVOA_D
ClientSampleId :
VD1209SBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.2	26.5	39.7

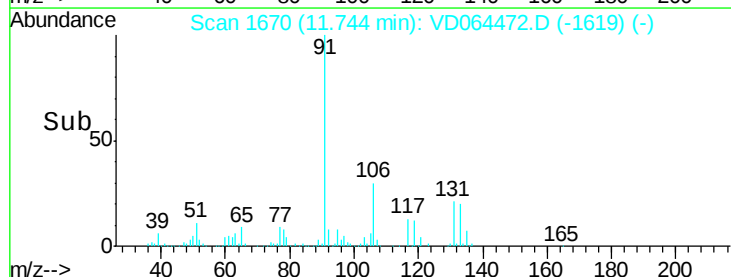
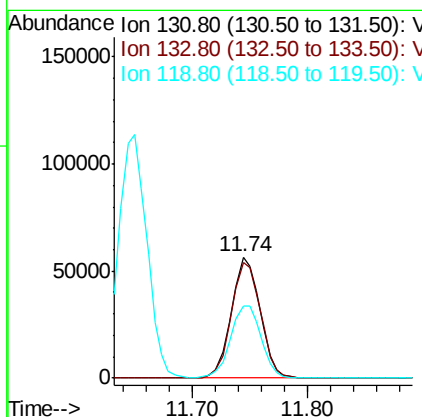
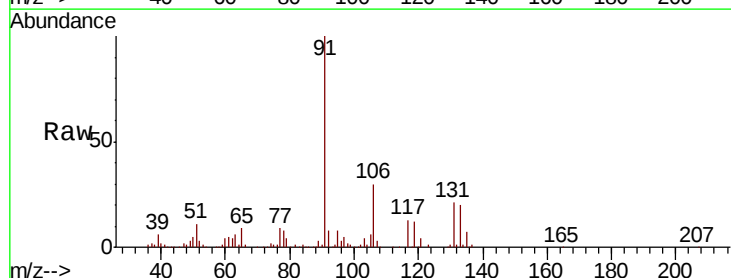
Manual Integrations
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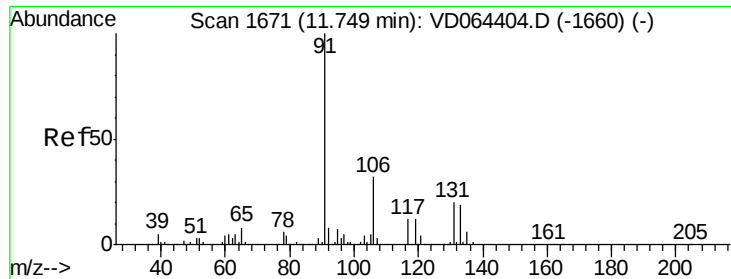
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.512 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD064472.D
Acq: 09 Dec 2019 13:36

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.9	48.3	144.9
119	63.4	31.9	95.9





#67

Ethyl Benzene

Concen: 20.440 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064472.D

Acq: 09 Dec 2019 13:36

Instrument :

MSVOA_D

ClientSampleId :

VD1209SBS01

Tot Ion: 91 Resp: 467828

Ion Ratio Lower Upper

91 100

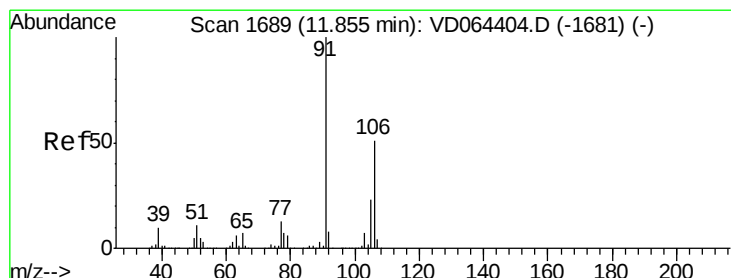
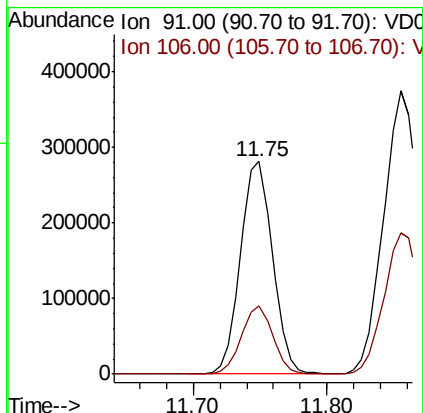
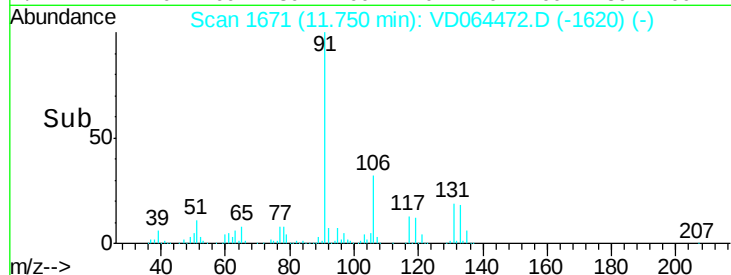
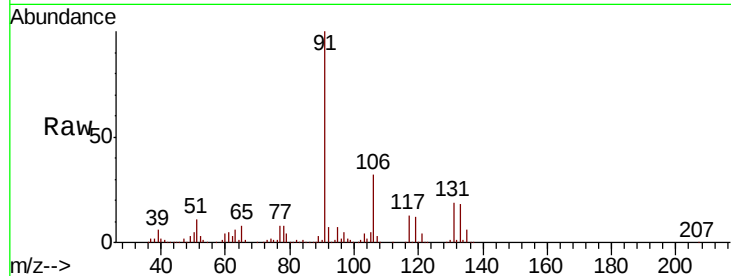
106 31.9 25.8 38.8

Manual Integrations

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#68

m/p-Xylenes

Concen: 40.983 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064472.D

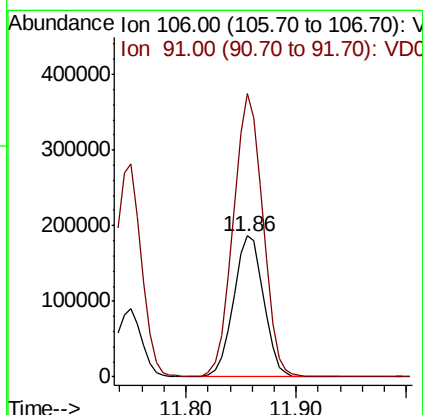
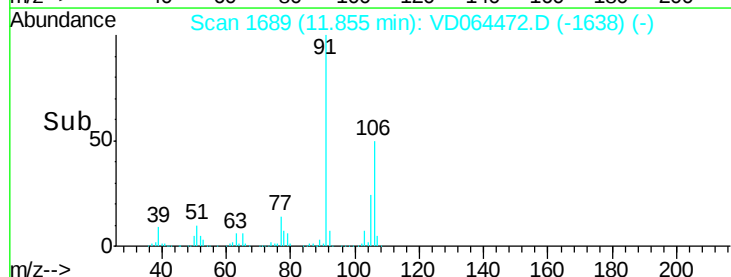
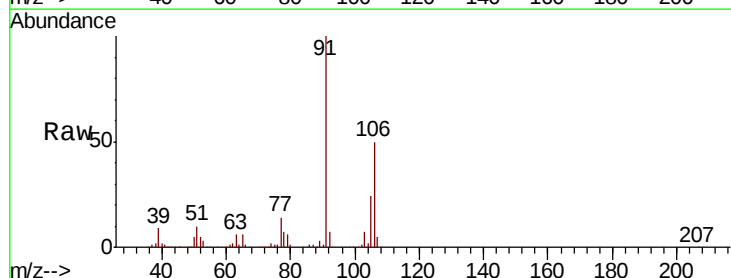
Acq: 09 Dec 2019 13:36

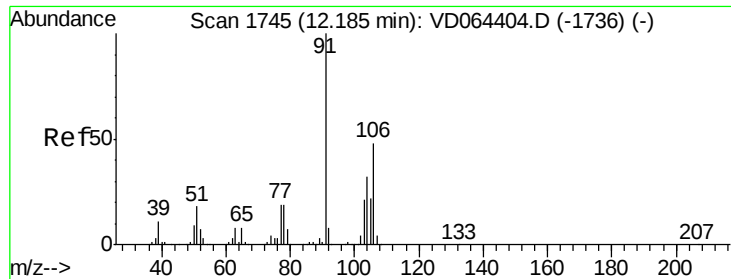
Tgt Ion: 106 Resp: 357651

Ion Ratio Lower Upper

106 100

91 197.4 157.4 236.2





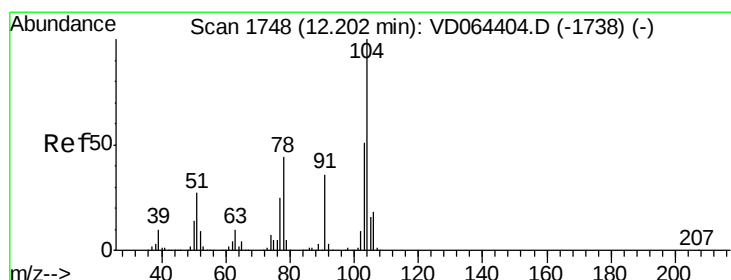
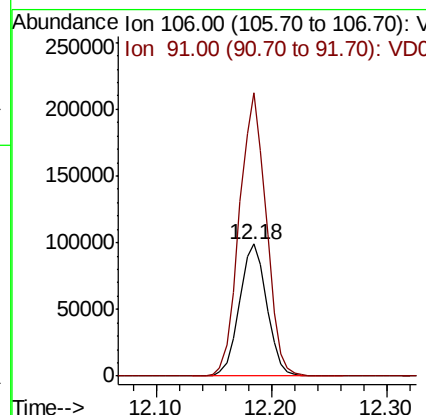
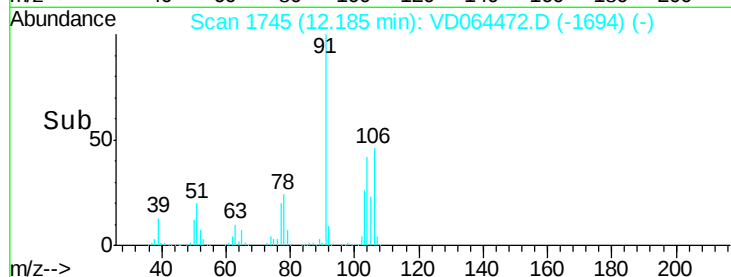
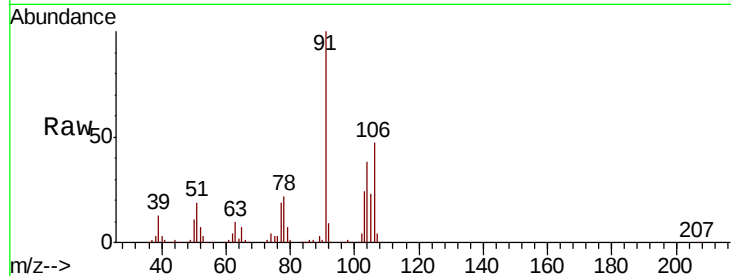
#69
o-Xylene
Concen: 20.140 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064472.D
Acq: 09 Dec 2019 13:36

Instrument :
MSVOA_D
ClientSampleId :
VD1209SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	162317		
91	91	210.3	103.8	311.4	

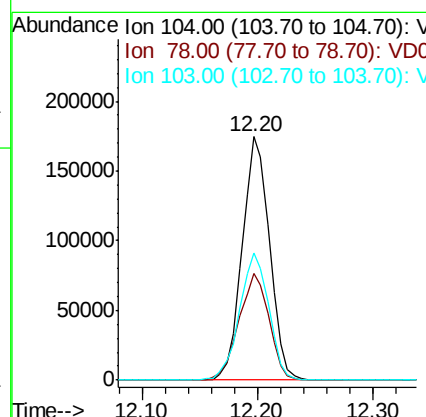
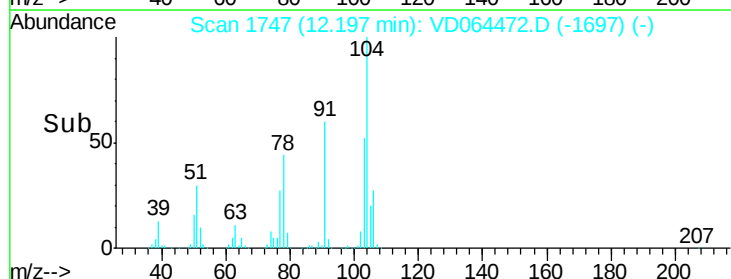
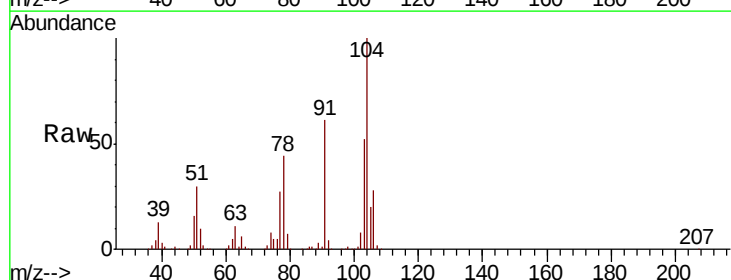
Manual Integrations
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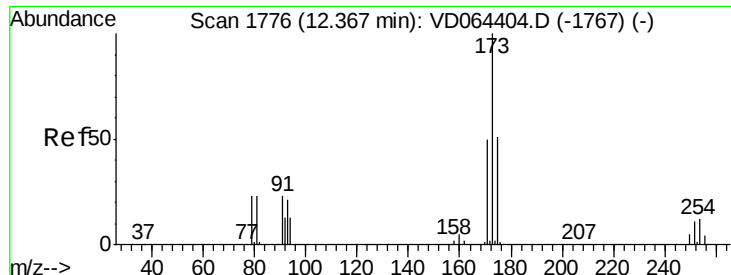
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#70
Styrene
Concen: 20.485 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD064472.D
Acq: 09 Dec 2019 13:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	286909		
78	78	48.1	38.8	58.2	
103	103	55.7	44.2	66.4	





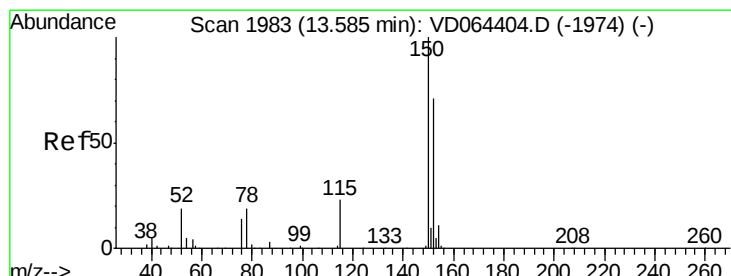
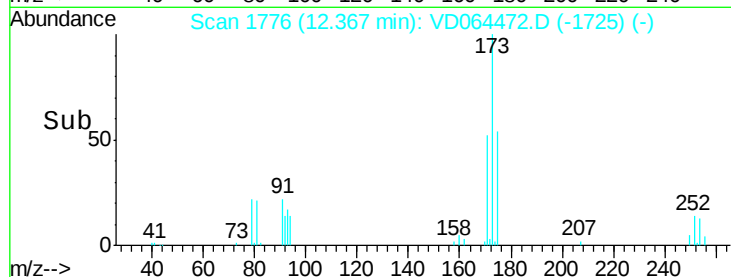
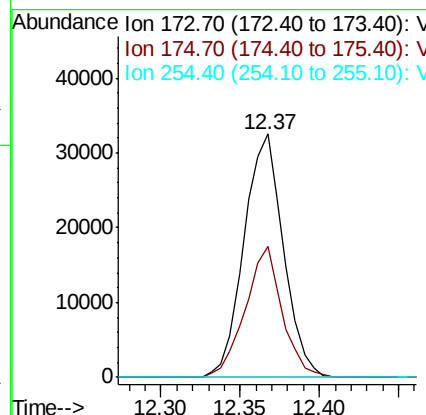
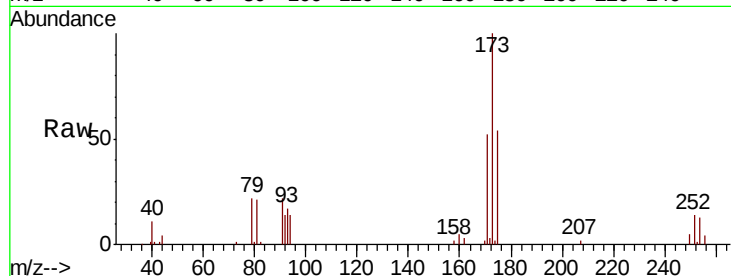
#71
Bromoform
Concen: 19.642 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD064472.D
Acq: 09 Dec 2019 13:36

Instrument :
MSVOA_D
ClientSampleId :
VD1209SBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.4	25.3	75.8
254	0.0	0.0	0.0

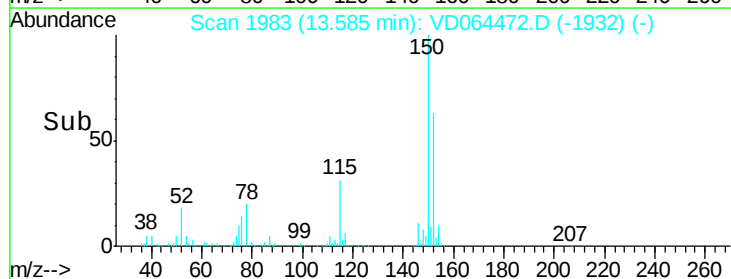
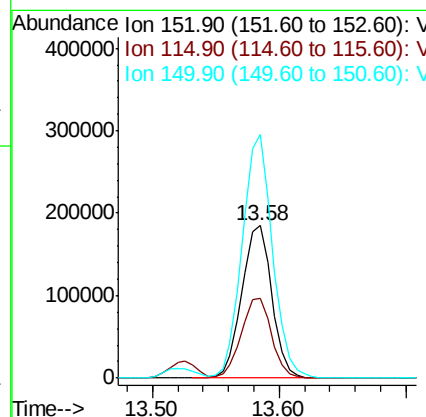
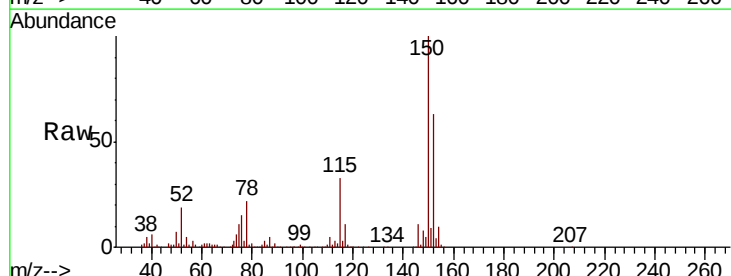
Manual Integrations
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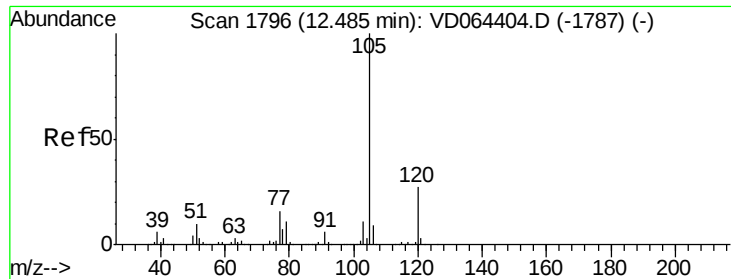
apatel
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064472.D
Acq: 09 Dec 2019 13:36

Tgt Ion	Ratio	Lower	Upper
152	100		
115	52.9	26.7	80.1
150	161.4	0.0	347.2





#73

Isopropylbenzene

Concen: 20.482 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064472.D

Acq: 09 Dec 2019 13:36

Instrument :

MSVOA_D

ClientSampleId :

VD1209SBS01

Tot Ion: 105 Resp: 446254

Ion Ratio Lower Upper

105 100

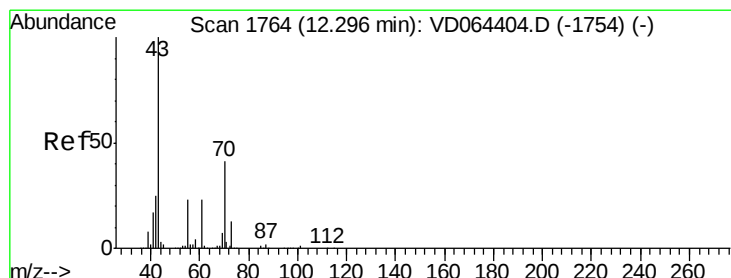
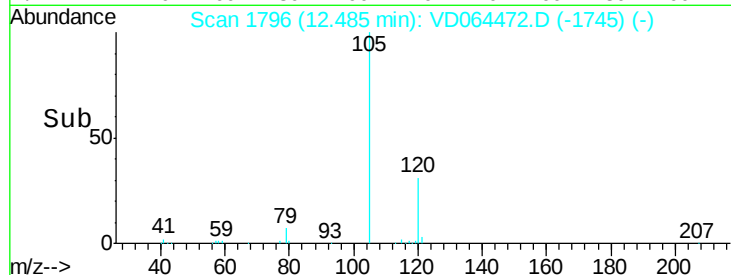
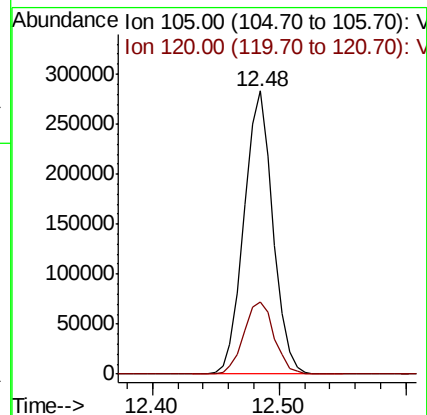
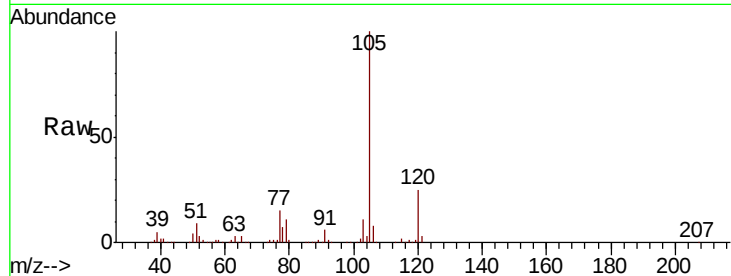
120 26.7 13.4 40.2

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#74

N-ethyl acetate

Concen: 19.483 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD064472.D

Acq: 09 Dec 2019 13:36

Tgt Ion: 43 Resp: 96345

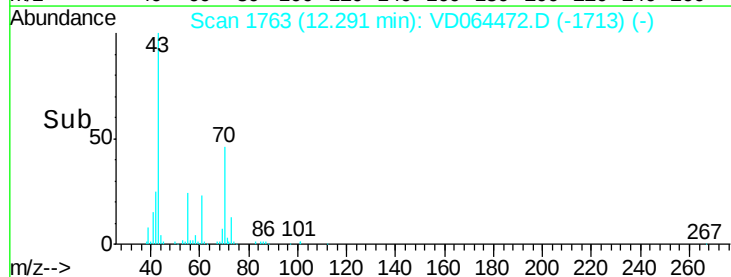
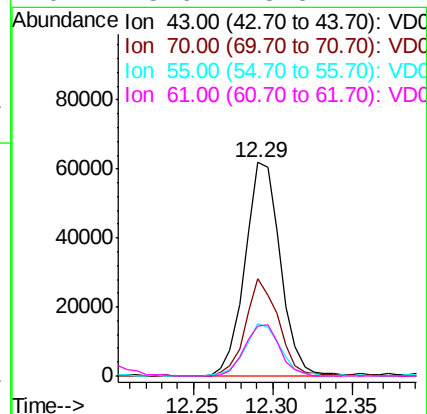
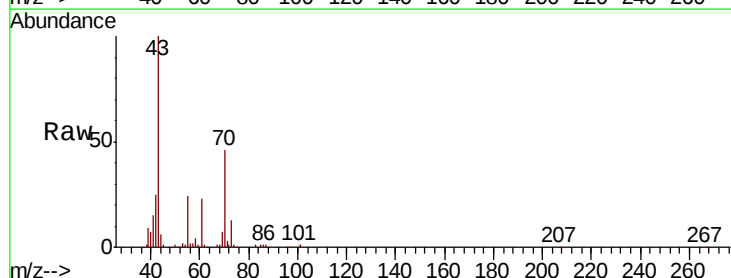
Ion Ratio Lower Upper

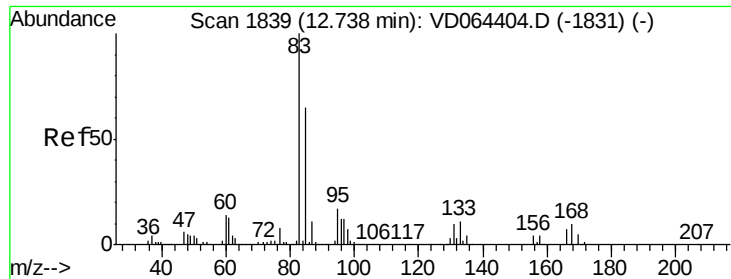
43 100

70 42.6 33.4 50.2

55 24.3 18.9 28.3

61 23.6 18.5 27.7





#75

1,1,2,2-Tetrachloroethane

Concen: 20.298 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064472.D

Acq: 09 Dec 2019 13:36

Instrument :

MSVOA_D

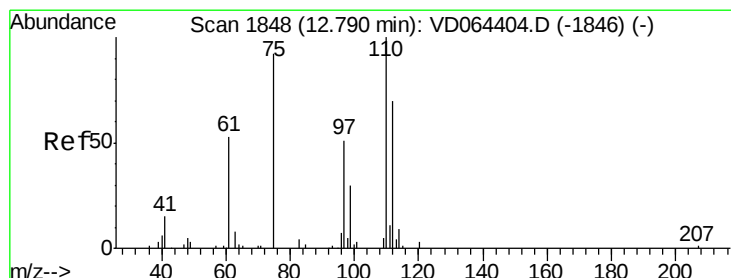
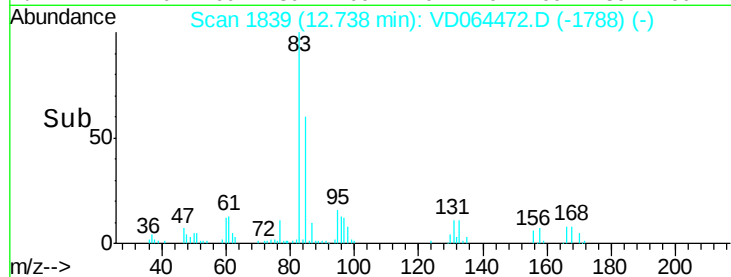
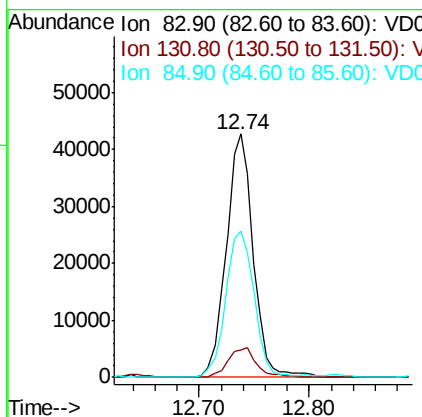
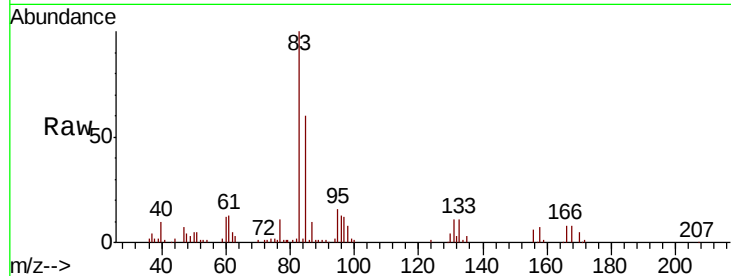
ClientSampleId :

VD1209SBS01

Tot Ion:	83	Resp:	73135
Ion	Ratio	Lower	Upper
83	100		
131	12.8	5.7	17.0
85	63.7	31.3	93.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 17.718 ug/l m

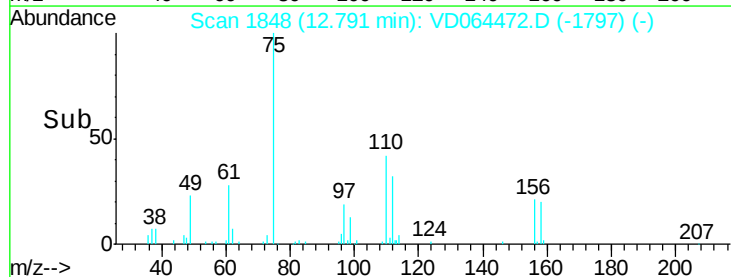
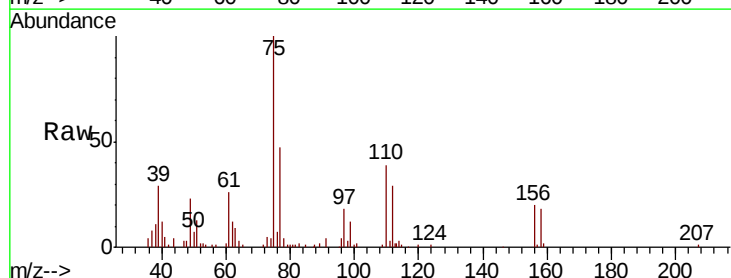
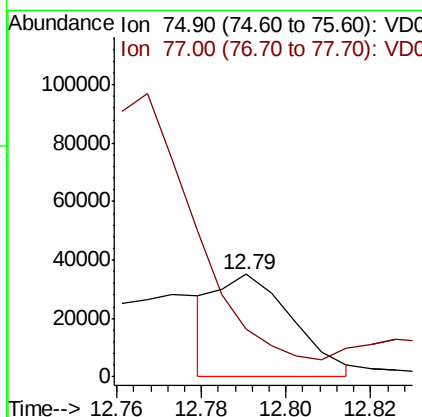
RT: 12.79 min Scan# 1848

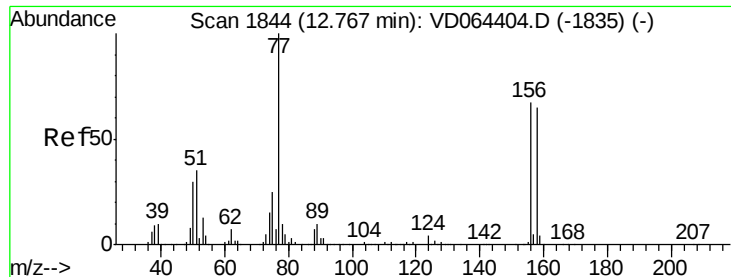
Delta R.T. 0.00 min

Lab File: VD064472.D

Acq: 09 Dec 2019 13:36

Tgt Ion:	75	Resp:	44141
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.890 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD064472.D

Acq: 09 Dec 2019 13:36

Instrument :

MSVOA_D

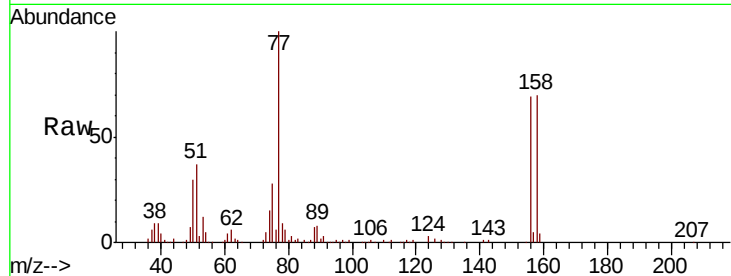
ClientSampleId :

VD1209SBS01

Tot Ion:	156	Resp:	112399
Ion Ratio	Lower	Upper	
156	100		
77	158.5	80.0	240.2
158	97.3	48.9	146.6

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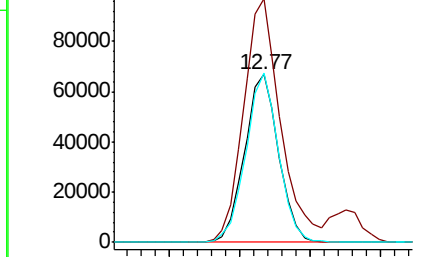
apatel
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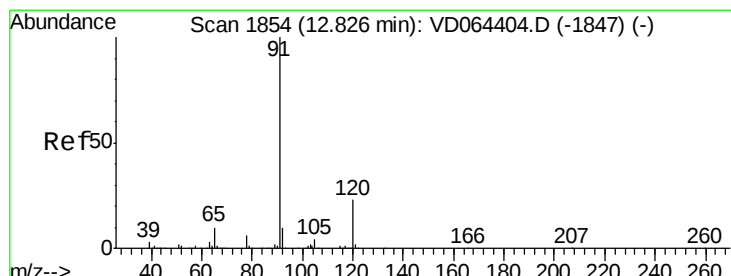
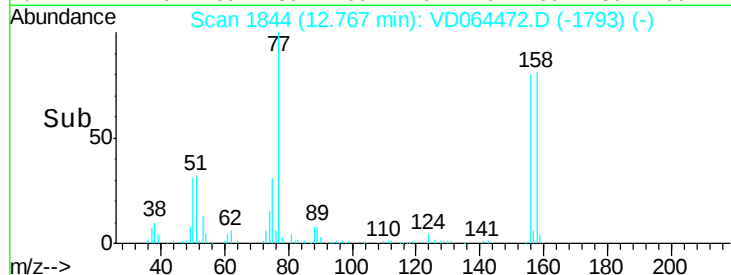
Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



Time-->



#78

n-propylbenzene

Concen: 21.065 ug/l

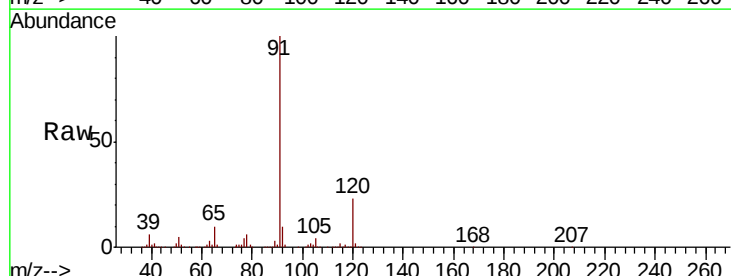
RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064472.D

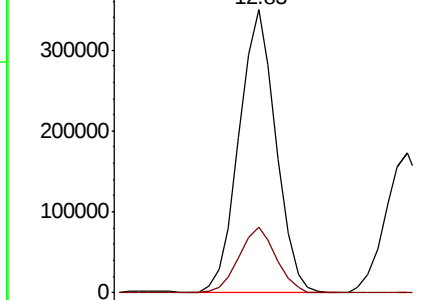
Acq: 09 Dec 2019 13:36

Tgt Ion:	91	Resp:	529560
Ion Ratio	Lower	Upper	
91	100		
120	23.5	11.9	35.9

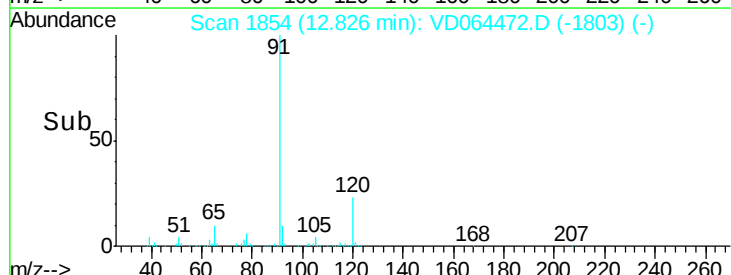


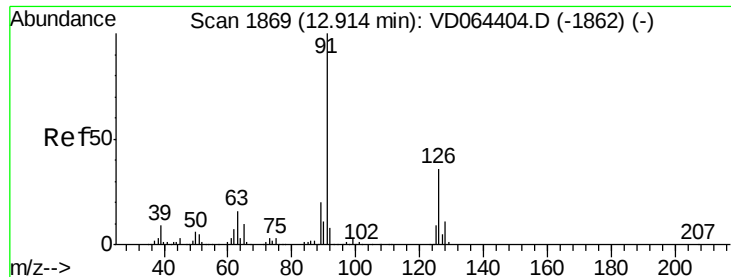
Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V



Time-->





#79

2-Chlorotoluene

Concen: 20.612 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064472.D

Acq: 09 Dec 2019 13:36

Instrument :

MSVOA_D

ClientSampleId :

VD1209SBS01

Tot Ion: 91 Resp: 285122

Ion Ratio Lower Upper

91 100

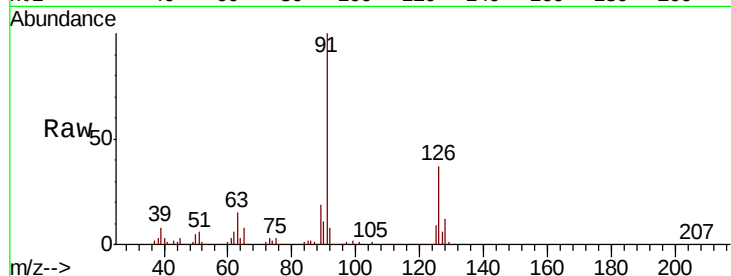
126 36.4 18.0 54.0

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Abundance Ion 91.00 (90.70 to 91.70): VD064472.D (-1818) (-)

Ion 125.90 (125.60 to 126.60): VD064472.D (-1818) (-)

200000

150000

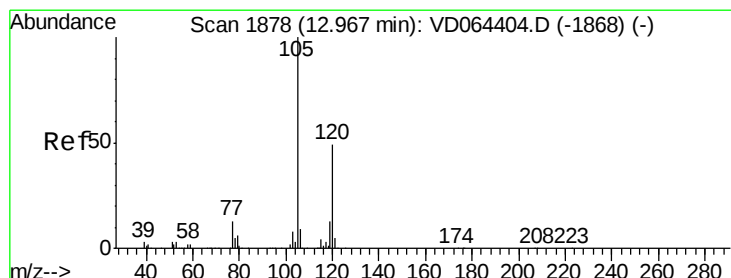
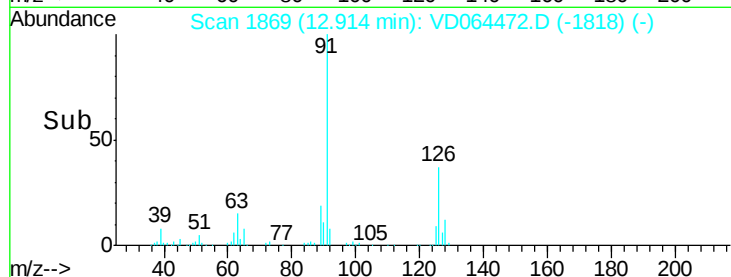
100000

50000

0

12.85 12.90 12.95

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.717 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064472.D

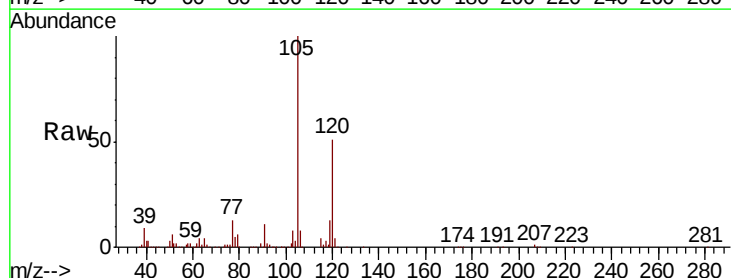
Acq: 09 Dec 2019 13:36

Tgt Ion: 105 Resp: 368856

Ion Ratio Lower Upper

105 100

120 50.6 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): VD064472.D (-1827) (-)

Ion 120.00 (119.70 to 120.70): VD064472.D (-1827) (-)

250000

200000

150000

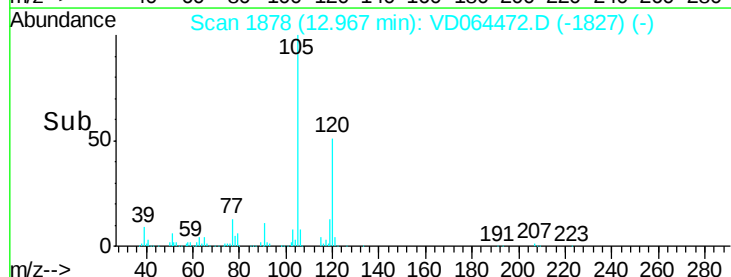
100000

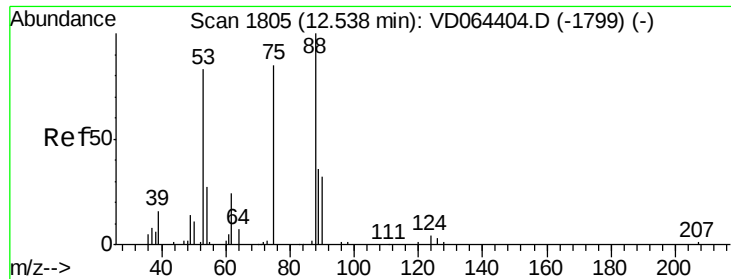
50000

0

12.90 13.00

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 20.424 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD064472.D

Acq: 09 Dec 2019 13:36

Instrument :

MSVOA_D

ClientSampleId :

VD1209SBS01

Tot Ion: 75 Resp: 23335

Ion Ratio Lower Upper

75 100

53 101.5 81.0 121.6

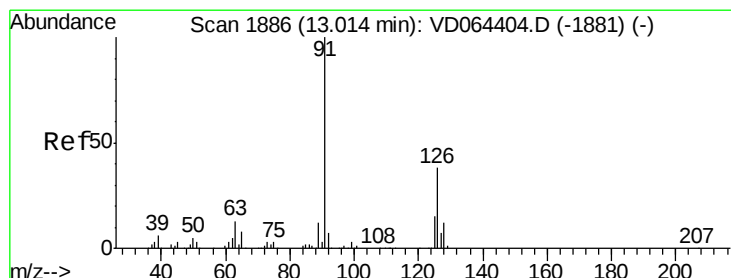
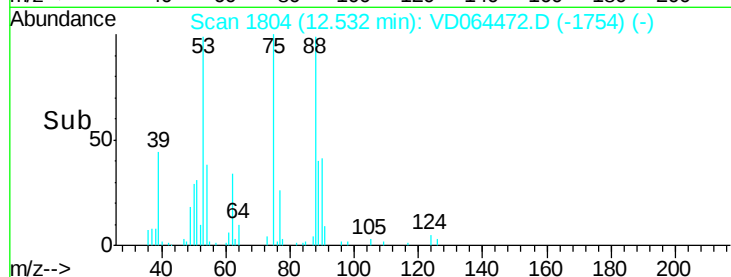
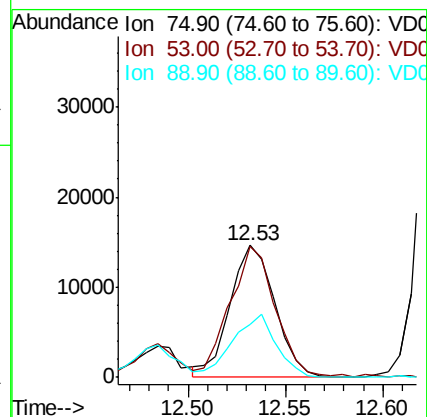
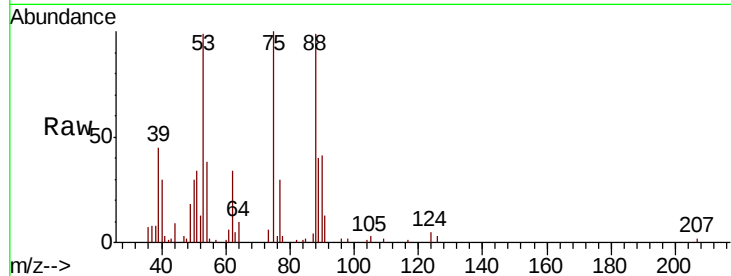
89 46.7 38.5 57.7

Manual Integrations

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#82

4-Chlorotoluene

Concen: 20.609 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VD064472.D

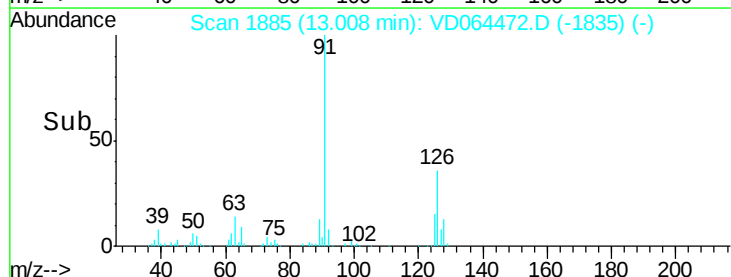
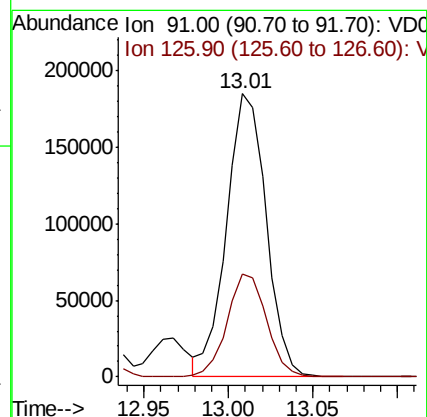
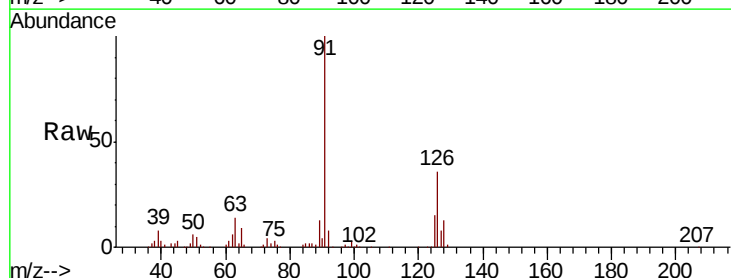
Acq: 09 Dec 2019 13:36

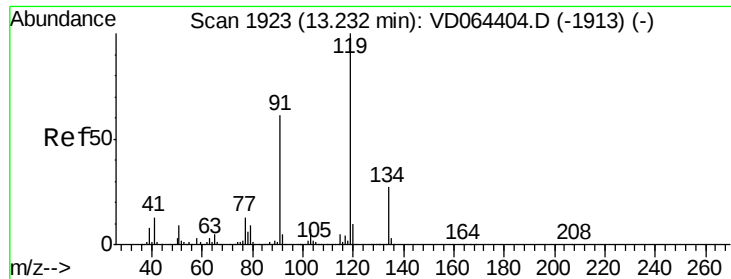
Tgt Ion: 91 Resp: 301829

Ion Ratio Lower Upper

91 100

126 36.0 18.2 54.6





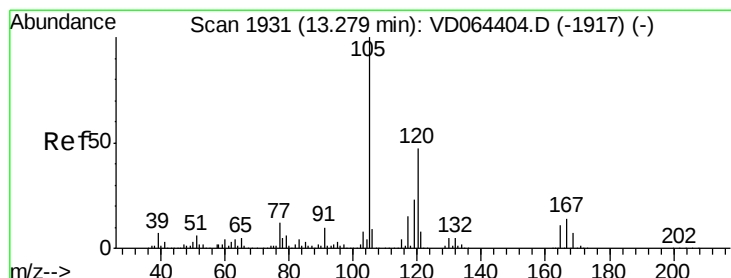
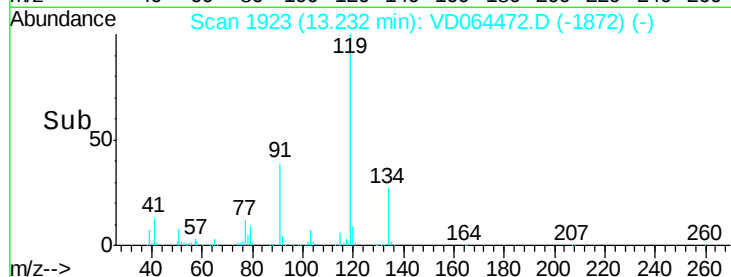
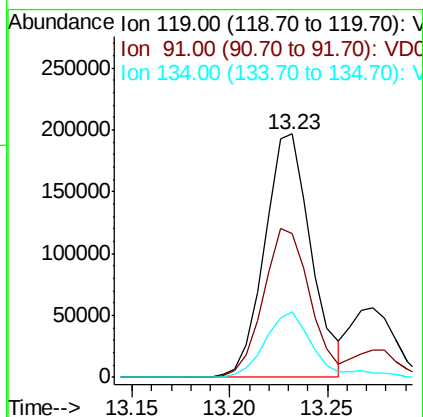
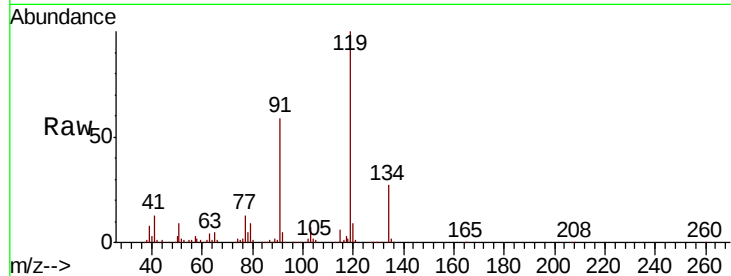
#83
tert-Butylbenzene
Concen: 20.971 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD064472.D
Acq: 09 Dec 2019 13:36

Instrument :
MSVOA_D
ClientSampleId :
VD1209SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.4	31.2	93.6
134	28.2	13.9	41.7

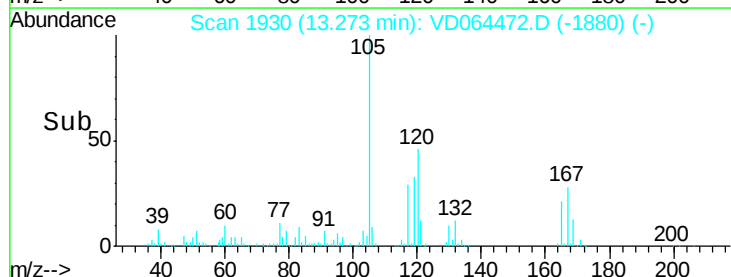
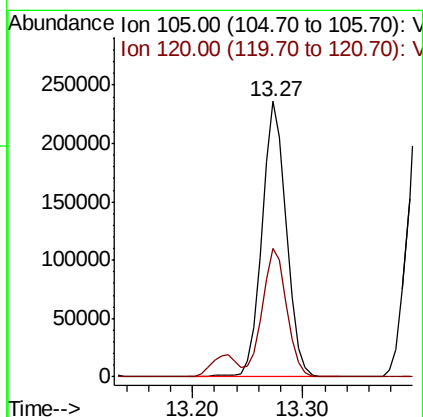
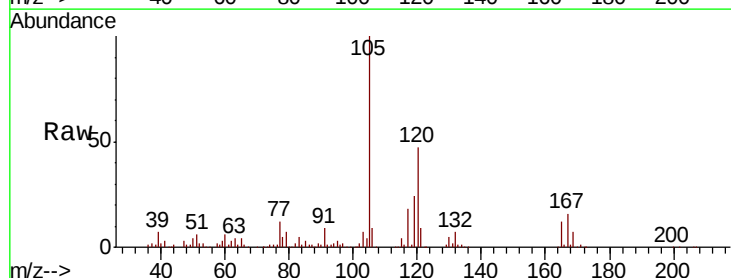
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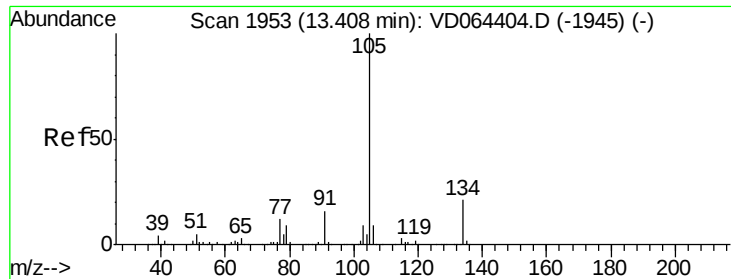
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#84
1,2,4-Trimethylbenzene
Concen: 20.369 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.01 min
Lab File: VD064472.D
Acq: 09 Dec 2019 13:36

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.9	23.6	70.8





#85

sec-Butylbenzene

Concen: 20.707 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064472.D

Acq: 09 Dec 2019 13:36

Instrument :

MSVOA_D

ClientSampleId :

VD1209SBS01

Tot Ion:105 Resp: 439918

Ion Ratio Lower Upper

105 100

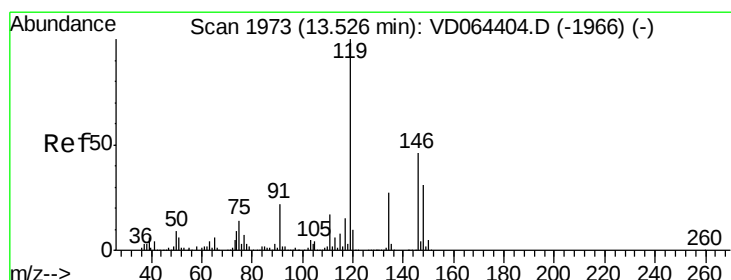
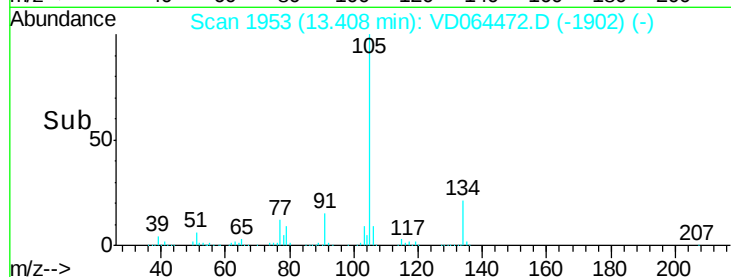
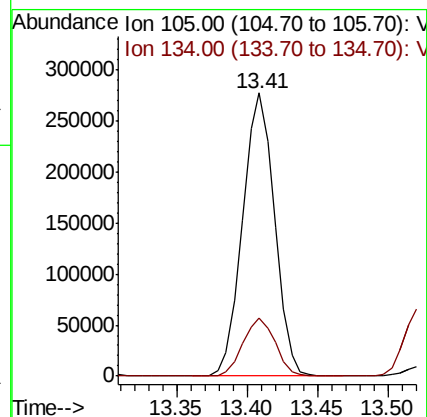
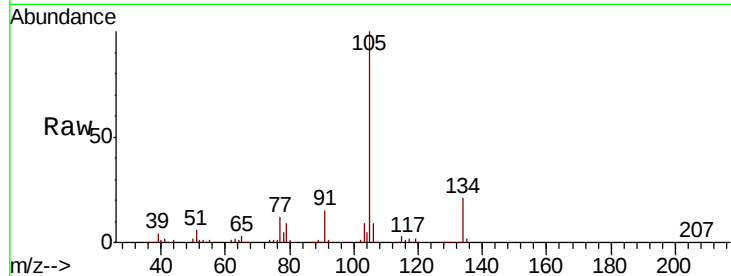
134 20.6 10.5 31.5

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#86

p-Isopropyltoluene

Concen: 20.358 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.01 min

Lab File: VD064472.D

Acq: 09 Dec 2019 13:36

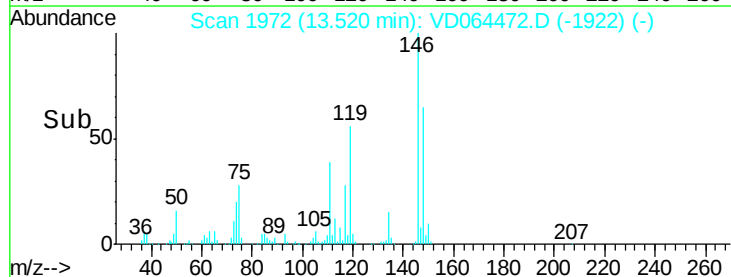
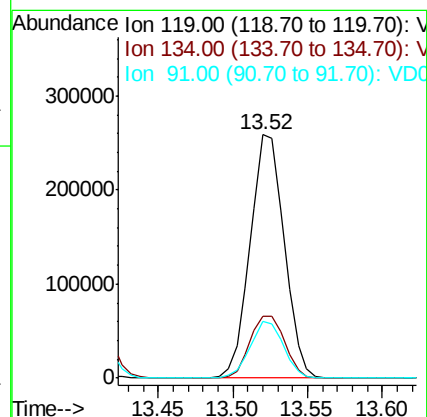
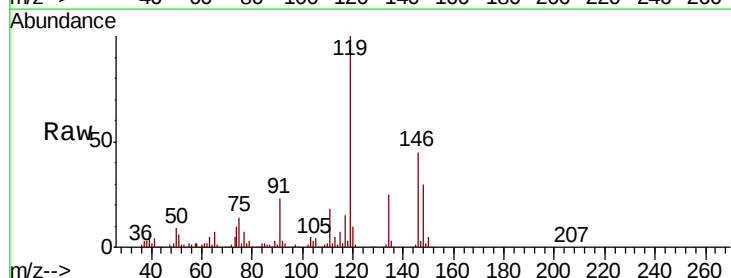
Tgt Ion:119 Resp: 408328

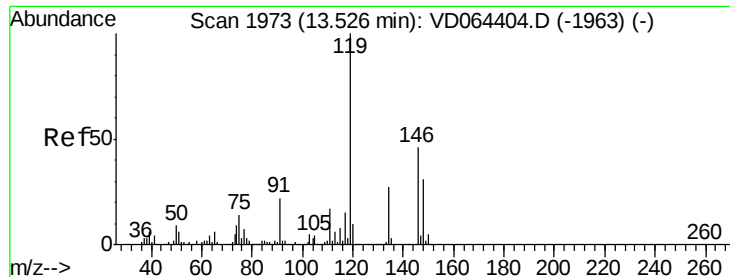
Ion Ratio Lower Upper

119 100

134 26.3 13.5 40.4

91 22.7 11.2 33.5





#87

1,3-Dichlorobenzene

Concen: 19.932 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064472.D

Acq: 09 Dec 2019 13:36

Instrument :

MSVOA_D

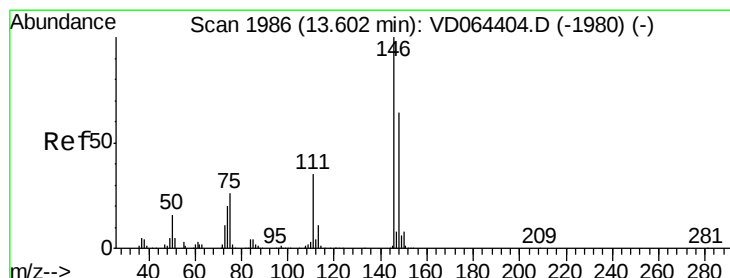
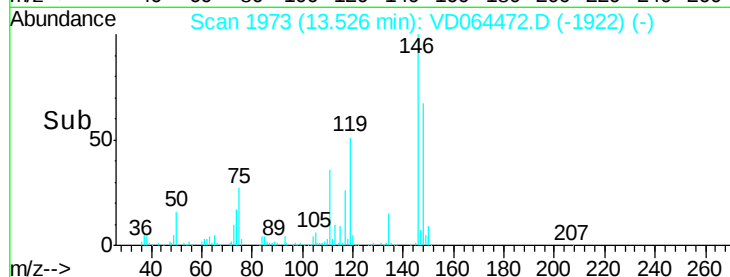
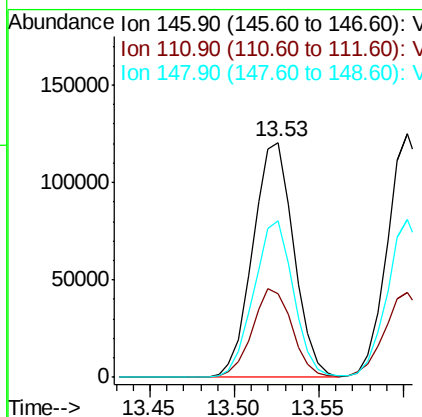
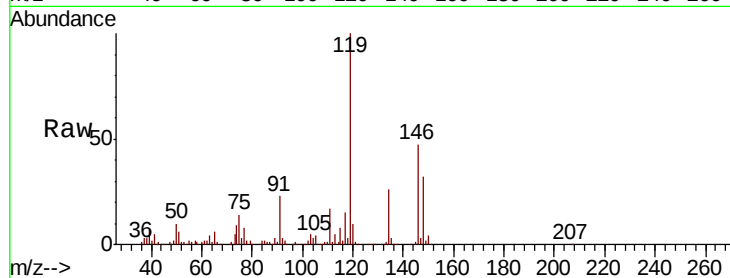
ClientSampleId :

VD1209SBS01

Tot Ion:	146	Resp:	203544
Ion Ratio	Lower	Upper	
146	100		
111	37.0	18.8	56.4
148	64.5	32.6	97.8

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 20.329 ug/l

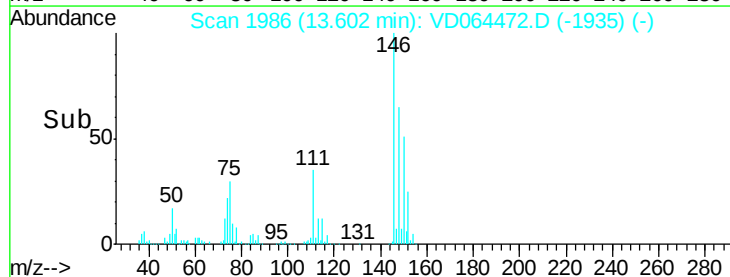
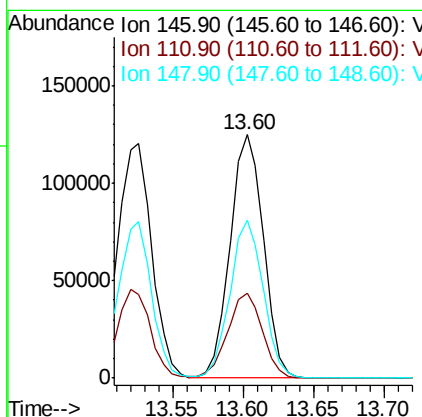
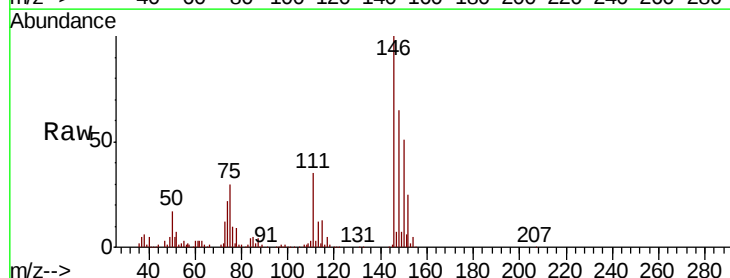
RT: 13.60 min Scan# 1986

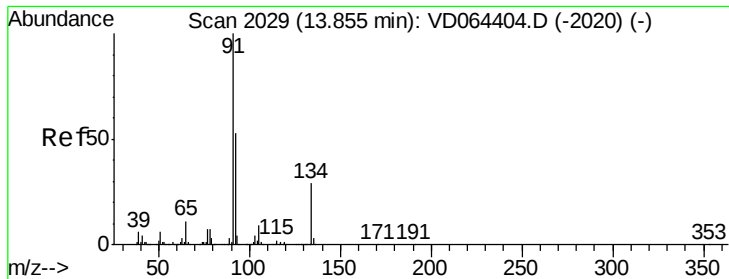
Delta R.T. 0.00 min

Lab File: VD064472.D

Acq: 09 Dec 2019 13:36

Tgt Ion:	146	Resp:	204959
Ion Ratio	Lower	Upper	
146	100		
111	36.4	18.2	54.6
148	65.0	31.8	95.4





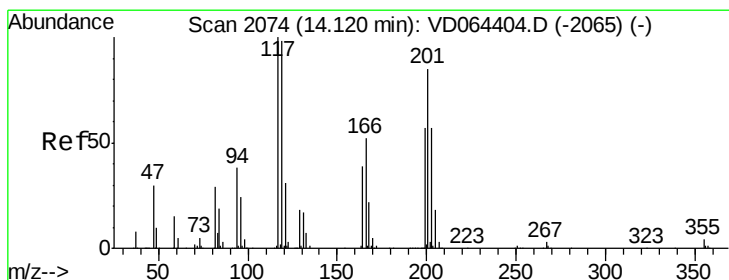
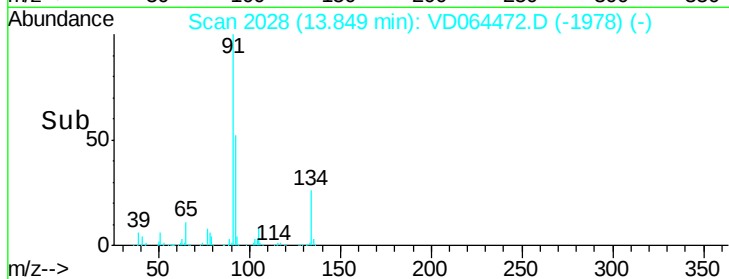
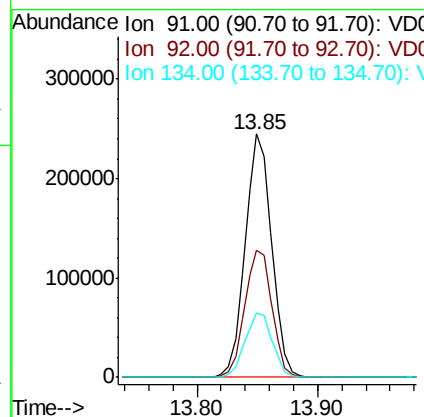
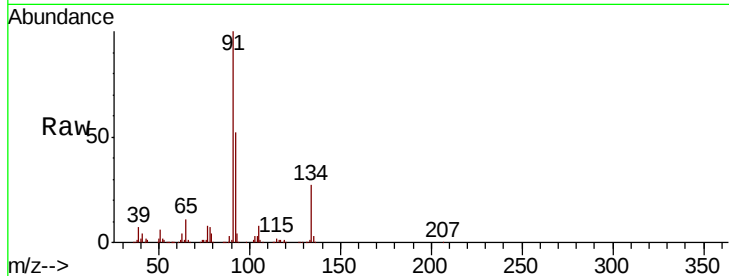
#89
n-Butylbenzene
Concen: 20.568 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.01 min
Lab File: VD064472.D
Acq: 09 Dec 2019 13:36

Instrument :
MSVOA_D
ClientSampleId :
VD1209SBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		374636		
92	53.6	26.5	79.4		
134	27.4	13.9	41.7		

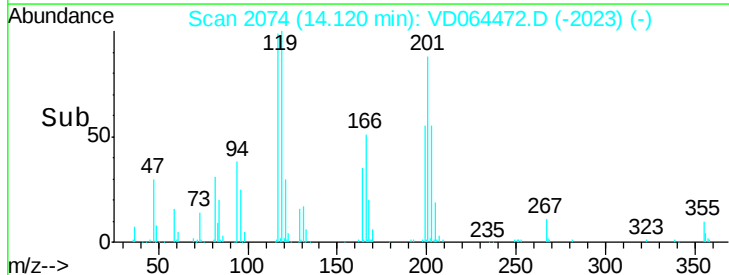
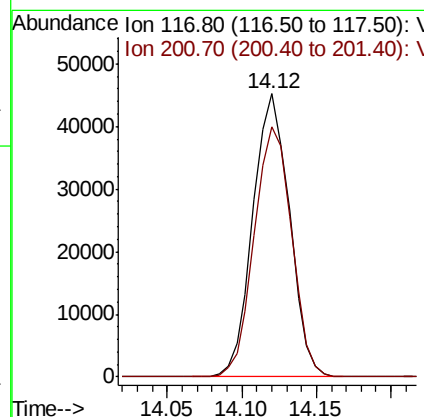
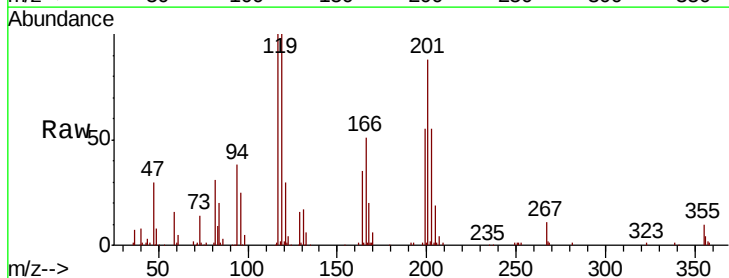
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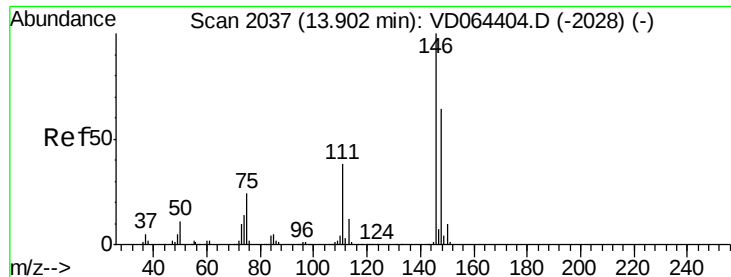
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#90
Hexachloroethane
Concen: 20.469 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064472.D
Acq: 09 Dec 2019 13:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		76787		
201	90.3	44.3	132.8		





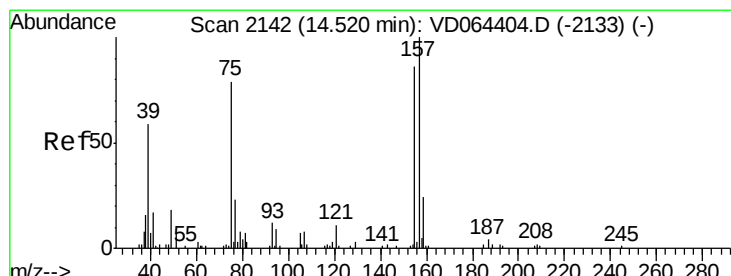
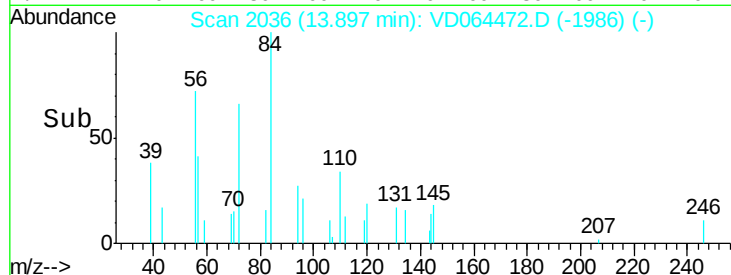
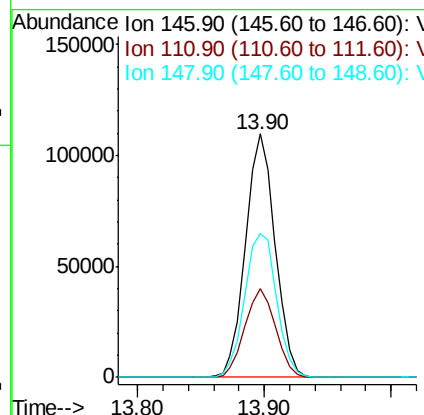
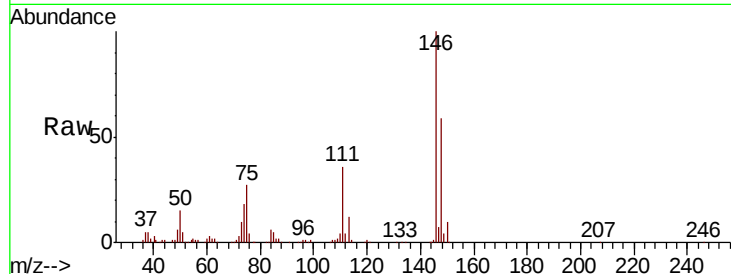
#91
 1,2-Dichlorobenzene
 Concen: 20.421 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD064472.D
 Acq: 09 Dec 2019 13:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1209SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	19.1	57.3
148	63.8	32.0	96.0

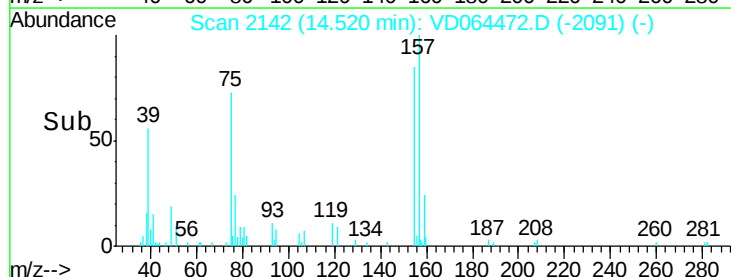
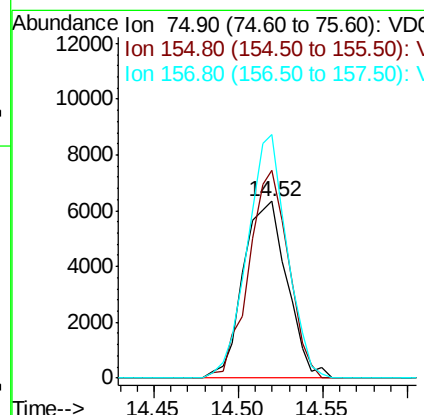
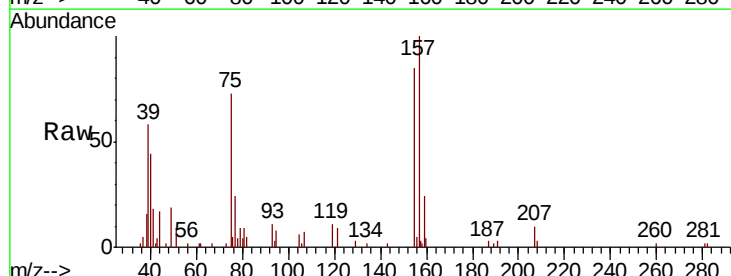
Manual Integrations
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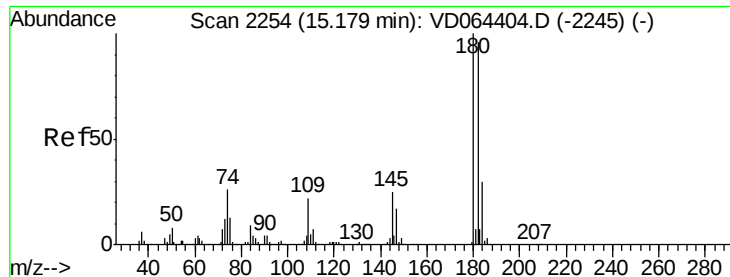
apatel
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.464 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD064472.D
 Acq: 09 Dec 2019 13:36

Tgt Ion	Ratio	Lower	Upper
75	100		
155	106.5	51.9	155.7
157	124.8	63.2	189.8





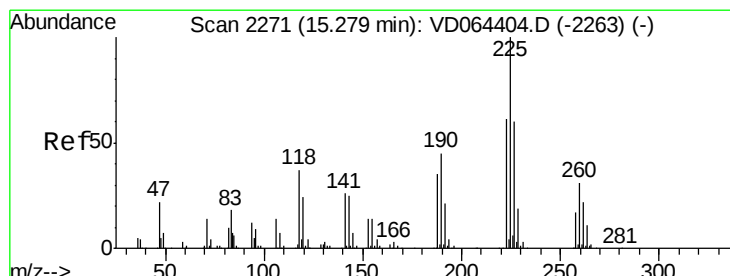
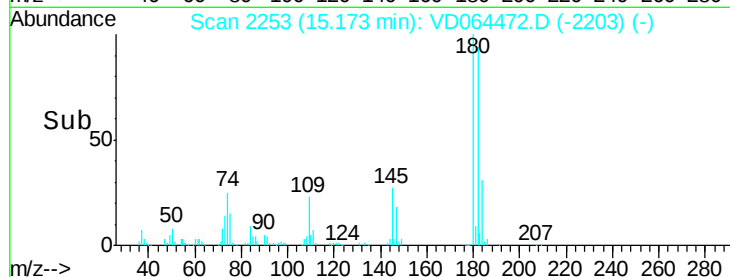
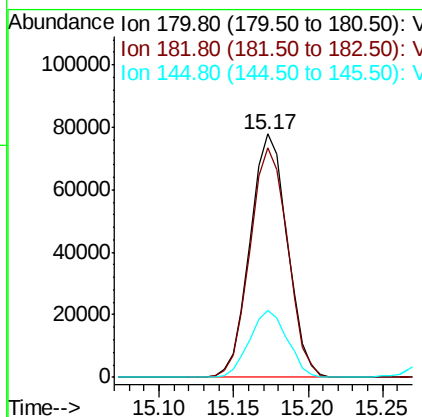
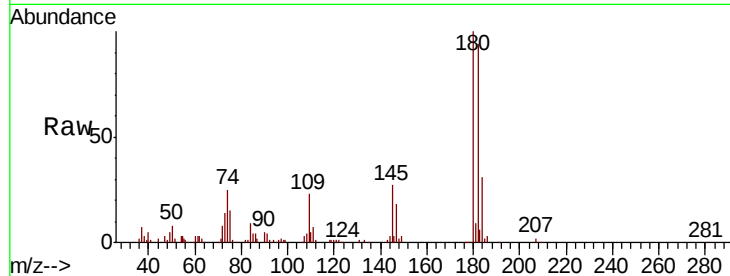
#93
 1,2,4-Trichlorobenzene
 Concen: 20.111 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD064472.D
 Acq: 09 Dec 2019 13:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1209SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	134416		
182	95.3	47.4	142.3	
145	27.9	14.0	41.9	

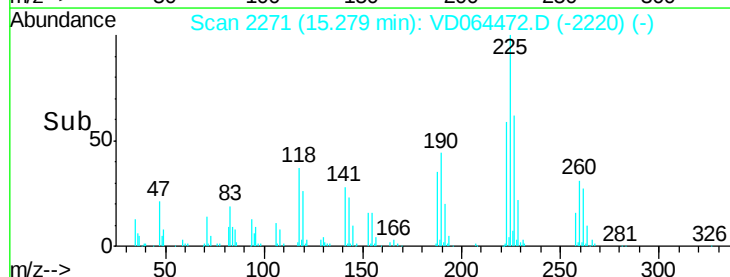
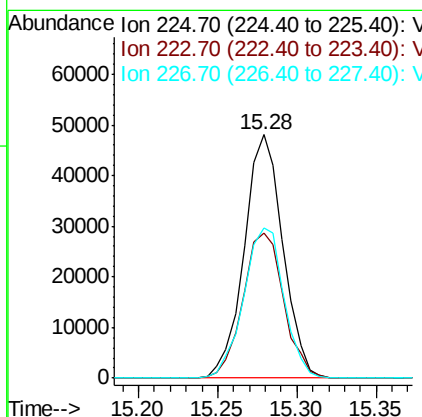
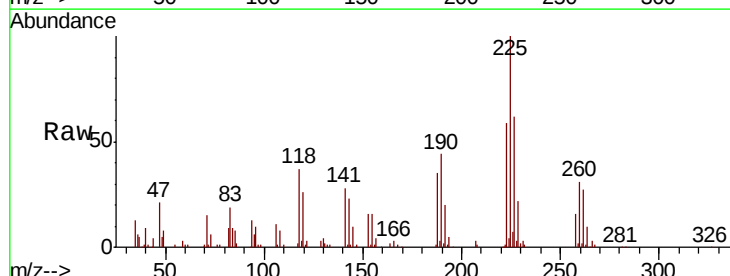
Manual Integrations
 APPROVED

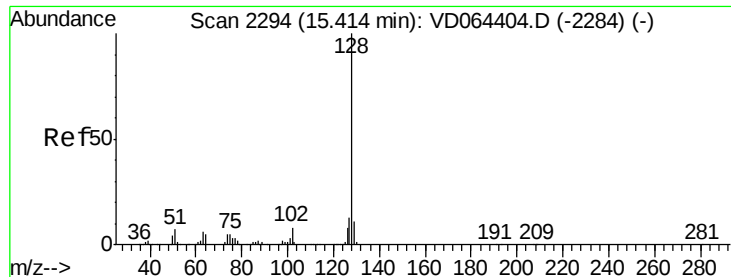
apatel
 12/10/2019 4:06:52 PM



#94
 Hexachlorobutadiene
 Concen: 19.792 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064472.D
 Acq: 09 Dec 2019 13:36

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	81666		
223	62.6	31.1	93.3	
227	64.2	31.8	95.4	





#95

Naphthalene

Concen: 20.053 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD064472.D

Acq: 09 Dec 2019 13:36

Instrument :

MSVOA_D

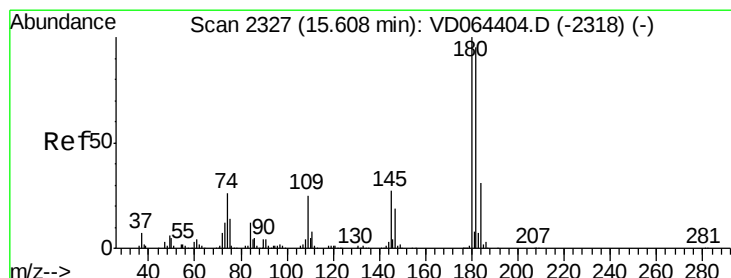
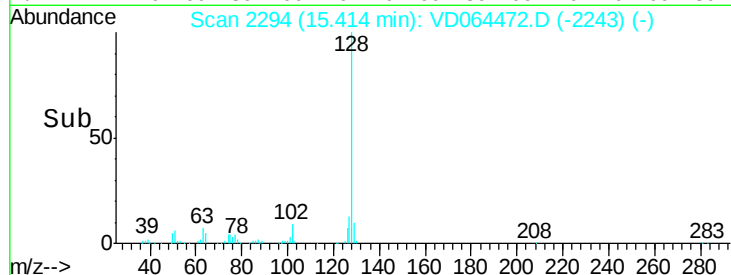
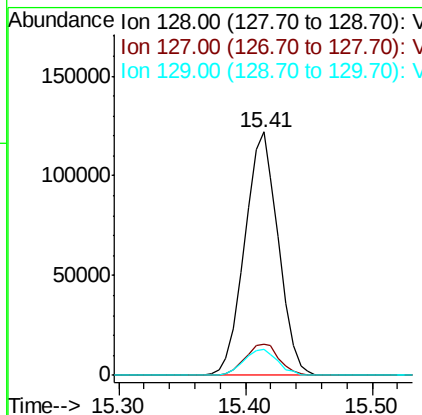
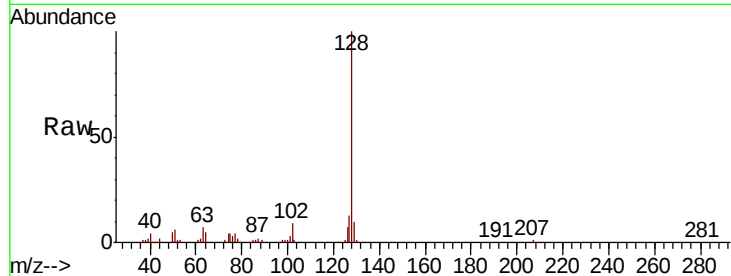
ClientSampleId :

VD1209SBS01

Tot Ion:	128	Resp:	223677
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.5	15.7
129	10.7	8.8	13.2

Manual Integrations
APPROVED

apatel
12/10/2019 4:06:52 PM



#96

1,2,3-Trichlorobenzene

Concen: 19.844 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VD064472.D

Acq: 09 Dec 2019 13:36

Tgt Ion:	180	Resp:	113218
Ion Ratio	Lower	Upper	
180	100		
182	96.6	47.6	142.9
145	30.1	14.6	43.8

