

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121619\
 Data File : VD064521.D
 Acq On : 16 Dec 2019 13:11
 Operator : VA/SY
 Sample : VD1216SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1216SBS01

Manual Integrations
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 12/17/2019 4:49:12 PM

Quant Time: Dec 17 06:29:50 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	409970	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	593956	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	544125	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	264970	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	195449	52.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.34%	
35) Dibromofluoromethane	7.92	113	200468	53.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.14%	
50) Toluene-d8	10.34	98	755209	53.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.14%	
62) 4-Bromofluorobenzene	12.64	95	241227	53.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	79156	21.309	ug/l	99
3) Chloromethane	2.21	50	102122	21.796	ug/l	95
4) Vinyl Chloride	2.35	62	123426	22.816	ug/l	99
5) Bromomethane	2.76	94	86314	21.576	ug/l	98
6) Chloroethane	2.92	64	81758	22.611	ug/l	93
7) Trichlorofluoromethane	3.27	101	203331	22.610	ug/l	96
8) Diethyl Ether	3.70	74	41030	21.955	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	86652	22.472	ug/l	98
10) Methyl Iodide	4.29	142	90489	22.222	ug/l	99
11) Tert butyl alcohol	5.24	59	25151	106.476	ug/l #	100
12) 1,1-Dichloroethene	4.06	96	81920	22.169	ug/l	98
13) Acrolein	3.93	56	26914	83.534	ug/l	96
14) Allyl chloride	4.71	41	131009	22.717	ug/l	97
15) Acrylonitrile	5.43	53	88321	108.077	ug/l	100
16) Acetone	4.16	43	84721	112.979	ug/l	99
17) Carbon Disulfide	4.40	76	250058	21.366	ug/l	95
18) Methyl Acetate	4.73	43	46170	21.108	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	183854	21.690	ug/l	98
20) Methylene Chloride	4.96	84	91670	21.527	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	93741	22.427	ug/l	95
22) Diisopropyl ether	6.37	45	248567	21.834	ug/l	96
23) Vinyl Acetate	6.31	43	723016	107.726	ug/l	99
24) 1,1-Dichloroethane	6.27	63	151849	22.179	ug/l	99
25) 2-Butanone	7.23	43	115352	108.772	ug/l	95
26) 2,2-Dichloropropane	7.21	77	136689	22.957	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	98888	21.700	ug/l	99
28) Bromochloromethane	7.55	49	37529	16.039	ug/l	95
29) Tetrahydrofuran	7.57	42	73891	109.515	ug/l	97
30) Chloroform	7.71	83	160580	22.647	ug/l	96
31) Cyclohexane	7.98	56	144024	21.477	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	147290	22.405	ug/l	99
36) 1,1-Dichloropropene	8.11	75	125684	22.372	ug/l	98
37) Ethyl Acetate	7.30	43	51117	21.443	ug/l	98
38) Carbon Tetrachloride	8.10	117	135705	22.887	ug/l	98

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Quant Time: Dec 17 06:29:50 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)
39) Methylcyclohexane	9.36	83	153646	22.047	ug/l	99
40) Benzene	8.35	78	340833	21.843	ug/l	100
41) Methacrylonitrile	7.53	41	25587	18.716	ug/l #	77
42) 1,2-Dichloroethane	8.43	62	100973	22.190	ug/l	98
43) Isopropyl Acetate	8.46	43	102002	21.762	ug/l	99
44) Trichloroethene	9.11	130	105709	22.490	ug/l	92
45) 1,2-Dichloropropane	9.39	63	85448	22.898	ug/l	97
46) Dibromomethane	9.48	93	44745	21.245	ug/l	96
47) Bromodichloromethane	9.66	83	124076	22.927	ug/l	95
48) Methyl methacrylate	9.46	41	45549	21.237	ug/l	96
49) 1,4-Dioxane	9.46	88	11444	440.016	ug/l #	91
51) 4-Methyl-2-Pentanone	10.23	43	252140	108.722	ug/l	100
52) Toluene	10.40	92	226843	22.307	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	117118	22.708	ug/l	96
54) cis-1,3-Dichloropropene	10.09	75	137242	22.399	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	62385	21.632	ug/l	99
56) Ethyl methacrylate	10.66	69	78697	21.395	ug/l	97
57) 1,3-Dichloropropane	10.95	76	109277	22.259	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	165942	113.169	ug/l	98
59) 2-Hexanone	10.98	43	171492	106.569	ug/l	99
60) Dibromochloromethane	11.14	129	85235	21.798	ug/l	99
61) 1,2-Dibromoethane	11.25	107	63475	22.044	ug/l	95
64) Tetrachloroethene	10.87	164	89402	21.546	ug/l	97
65) Chlorobenzene	11.67	112	241368	21.268	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	91683	21.823	ug/l	99
67) Ethyl Benzene	11.75	91	426437	21.119	ug/l	98
68) m/p-Xylenes	11.86	106	329768	42.833	ug/l	100
69) o-Xylene	12.18	106	148614	20.901	ug/l	97
70) Styrene	12.20	104	264734	21.425	ug/l	99
71) Bromoform	12.36	173	53298	21.205	ug/l #	95
73) Isopropylbenzene	12.48	105	412389	21.640	ug/l	100
74) N-amyl acetate	12.29	43	89586	20.712	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	67164	21.312	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	51137m	23.468	ug/l	
77) Bromobenzene	12.76	156	101945	21.663	ug/l	99
78) n-propylbenzene	12.83	91	481257	21.887	ug/l	100
79) 2-Chlorotoluene	12.91	91	263459	21.776	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	334075	21.452	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	23328	23.344	ug/l	90
82) 4-Chlorotoluene	13.01	91	278569	21.746	ug/l	99
83) tert-Butylbenzene	13.23	119	291410	21.524	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	332370	21.225	ug/l	100
85) sec-Butylbenzene	13.41	105	400084	21.531	ug/l	99
86) p-Isopropyltoluene	13.53	119	368992	21.033	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	189730	21.242	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	189792	21.522	ug/l	98
89) n-Butylbenzene	13.86	91	348807	21.894	ug/l	99
90) Hexachloroethane	14.12	117	73414	22.374	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	162194	21.248	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	11136	21.118	ug/l	91

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ClientSampleId :
VD1216SBSD01

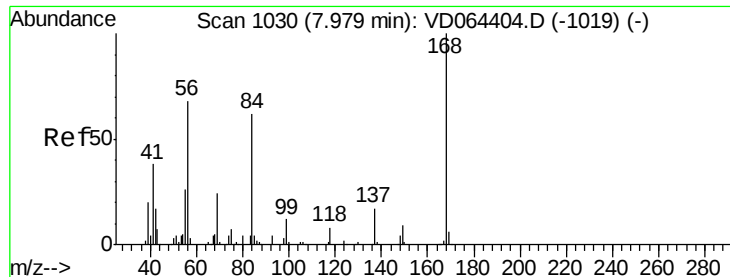
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Fri Nov 29 07:18:03 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	124670	21.326	ug/l	99
94) Hexachlorobutadiene	15.28	225	78804	21.835	ug/l	98
95) Naphthalene	15.41	128	206342	21.150	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	109431	21.929	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: VD064521.D

Acq: 16 Dec 2019 13:11

Instrument :

MSVOA_D

ClientSampleId :

VD1216SBSD01

Tot Ion:168 Resp: 409970

Ion Ratio Lower Upper

168 100

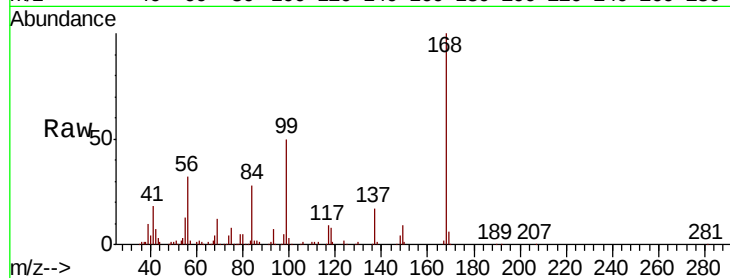
99 50.2 40.7 61.1

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

150000

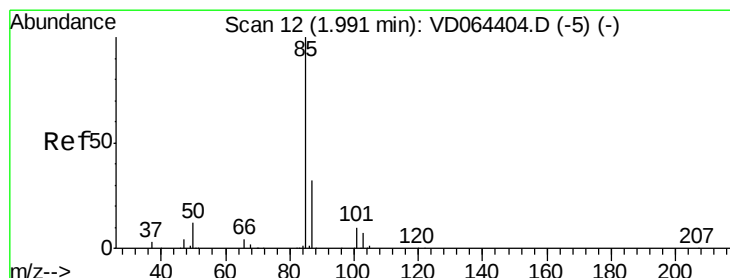
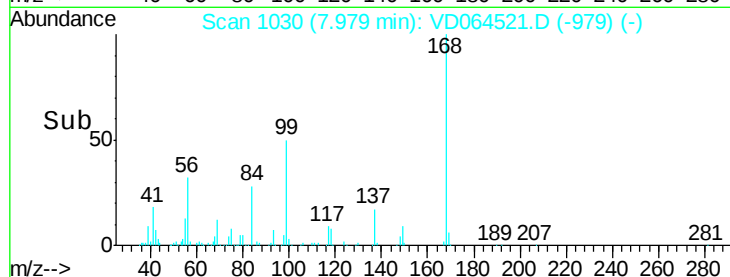
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50000

0

7.90 8.00 8.10 8.20

Time-->



#2

Dichlorodifluoromethane

Concen: 21.309 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD064521.D

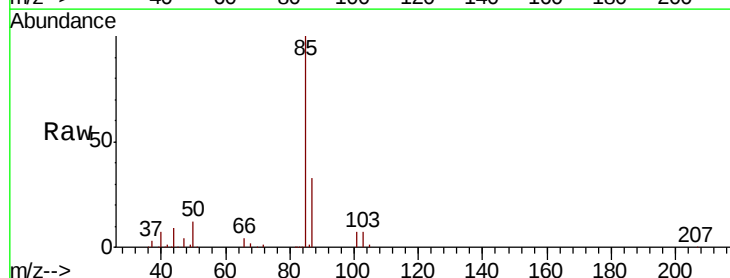
Acq: 16 Dec 2019 13:11

Tgt Ion: 85 Resp: 79156

Ion Ratio Lower Upper

85 100

87 32.5 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

60000

50000

40000

30000

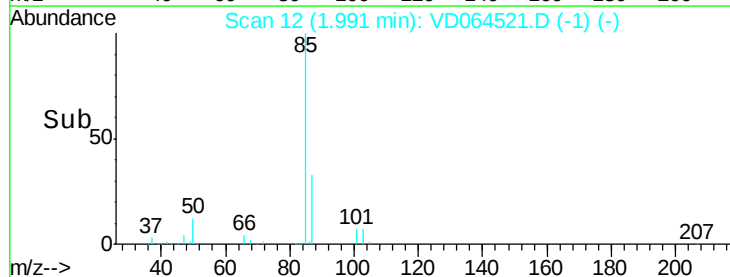
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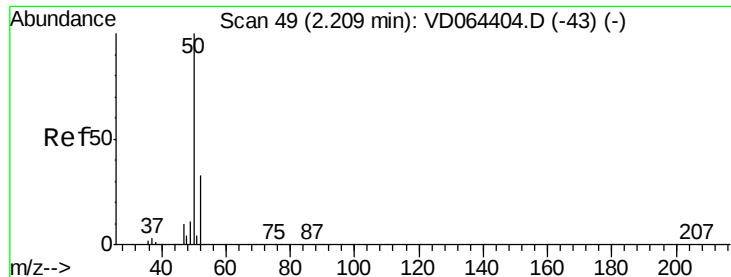
10000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 21.796 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD064521.D

Acq: 16 Dec 2019 13:11

Instrument :

MSVOA_D

ClientSampleId :

VD1216SBS01

Tot Ion: 50 Resp: 102122

Ion Ratio Lower Upper

50 100

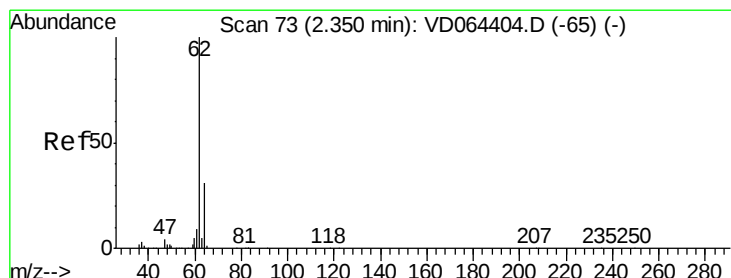
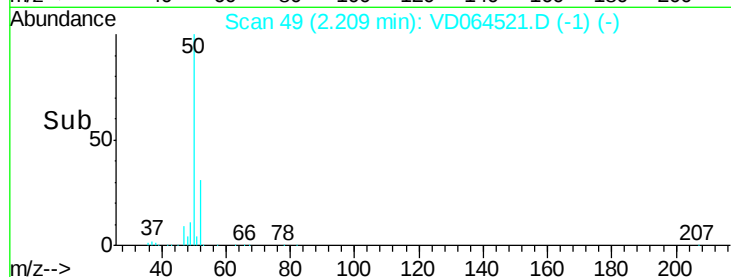
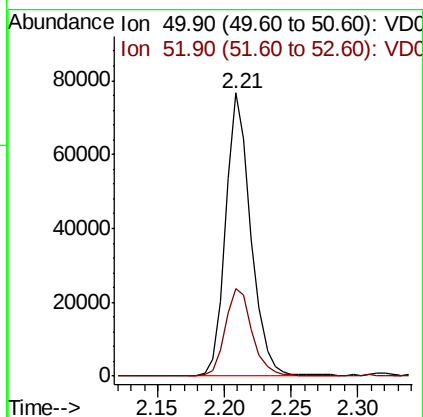
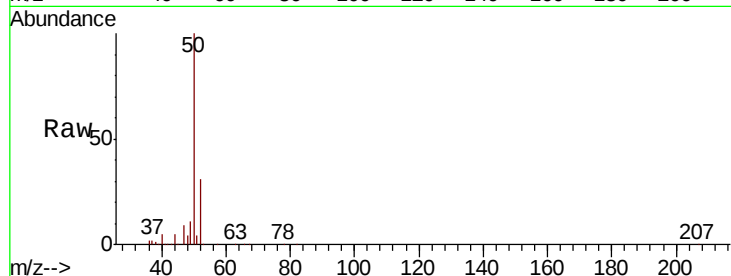
52 30.8 26.7 40.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 22.816 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD064521.D

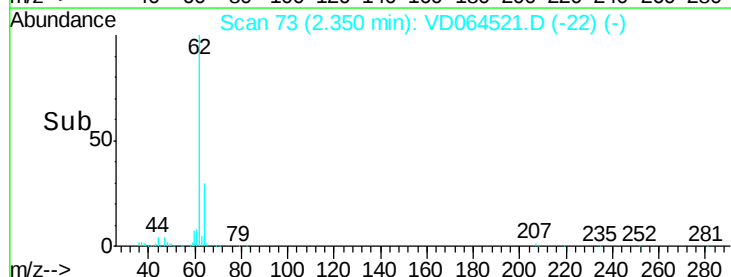
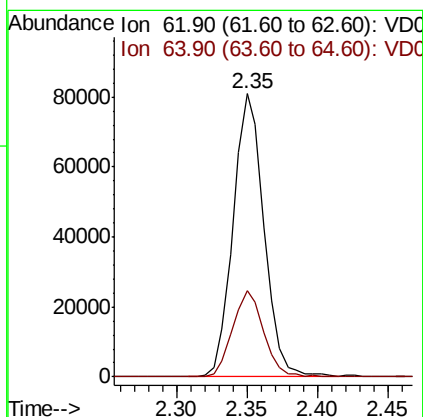
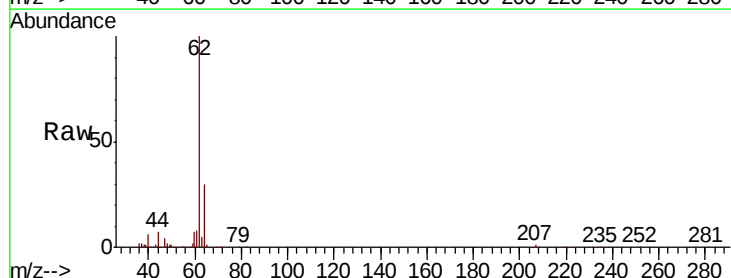
Acq: 16 Dec 2019 13:11

Tgt Ion: 62 Resp: 123426

Ion Ratio Lower Upper

62 100

64 30.4 25.0 37.4





#5

Bromomethane

Concen: 21.576 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD064521.D

Acq: 16 Dec 2019 13:11

Instrument :

MSVOA_D

ClientSampleId :

VD1216SBS01

Tot Ion: 94 Resp: 86314

Ion Ratio Lower Upper

94 100

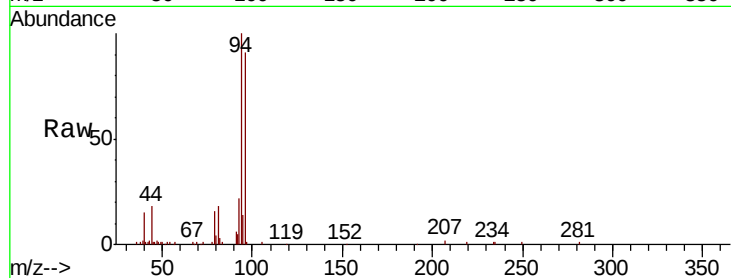
96 90.4 73.6 110.4

Manual Integrations

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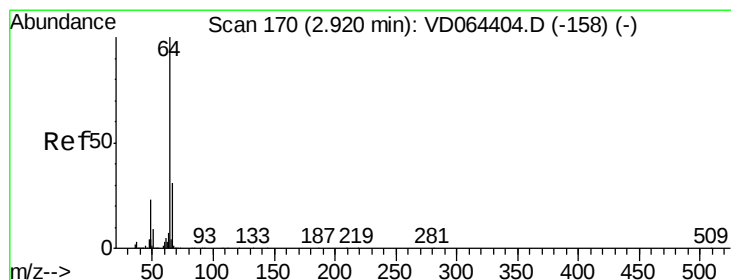
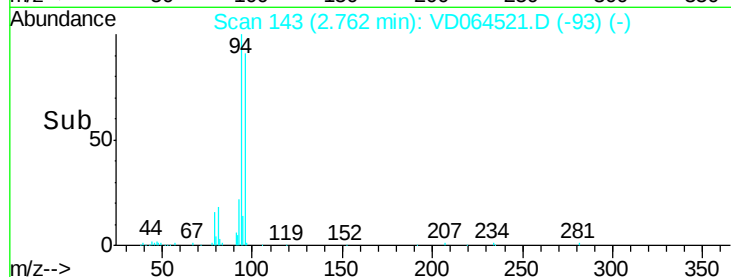
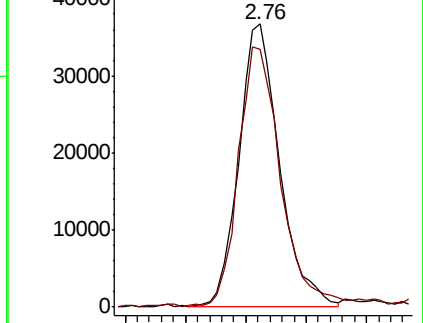
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 22.611 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD064521.D

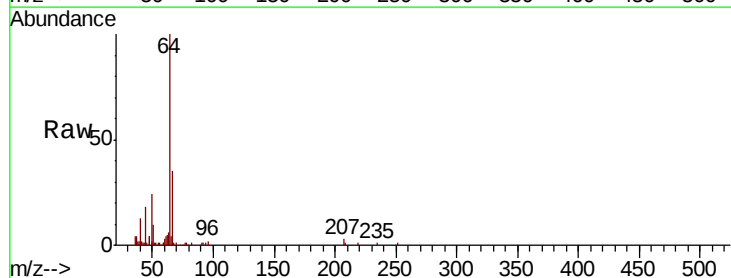
Acq: 16 Dec 2019 13:11

Tgt Ion: 64 Resp: 81758

Ion Ratio Lower Upper

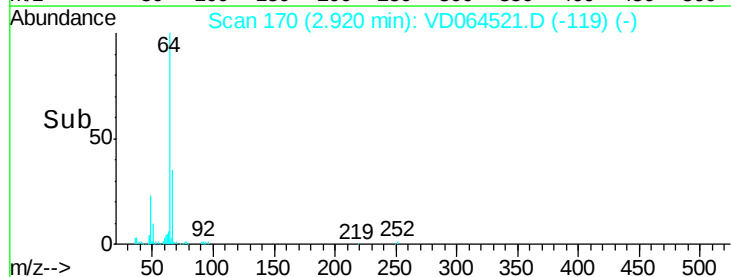
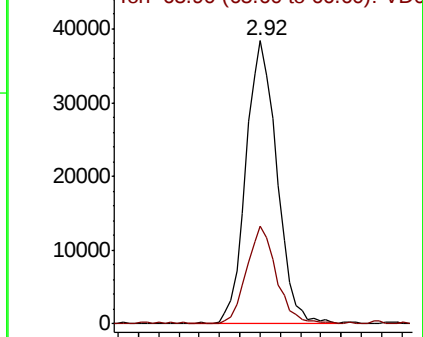
64 100

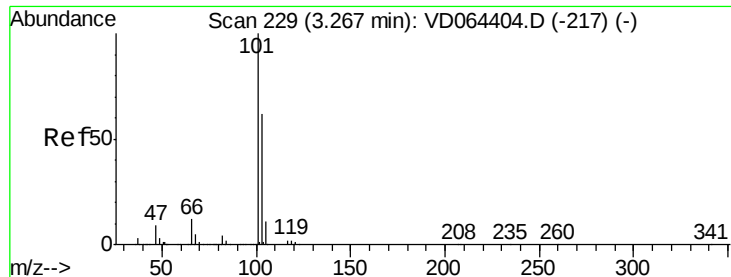
66 34.6 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

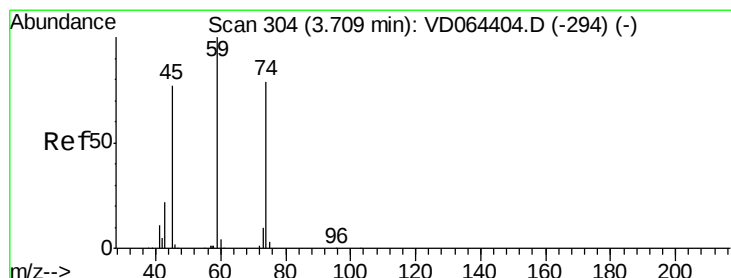
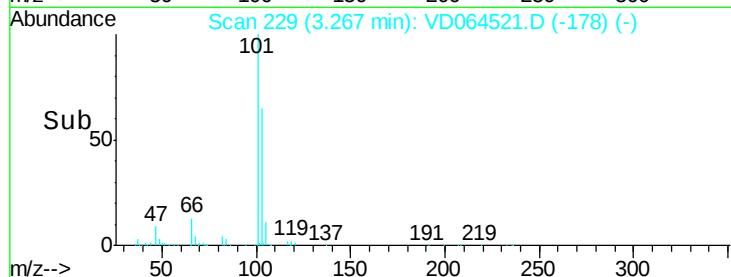
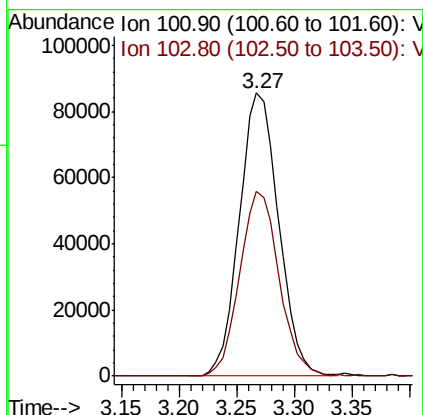
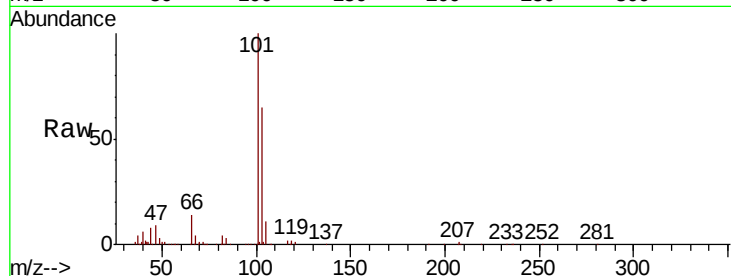
Trichlorofluoromethane
 Concen: 22.610 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.00 min
 Lab File: VD064521.D
 Acq: 16 Dec 2019 13:11

Instrument :
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 VD1216SBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	203331		
103	65.4	49.8	74.6	

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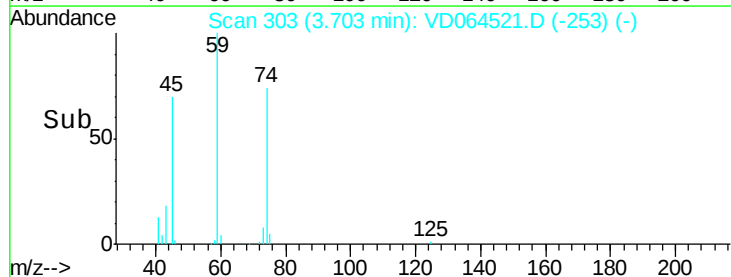
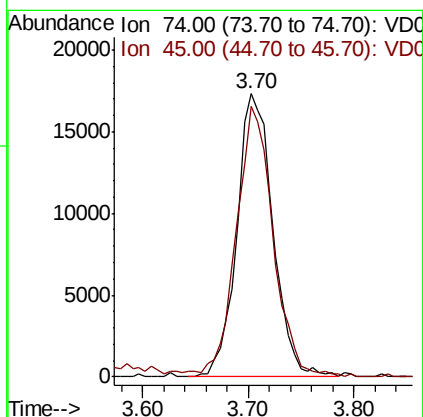
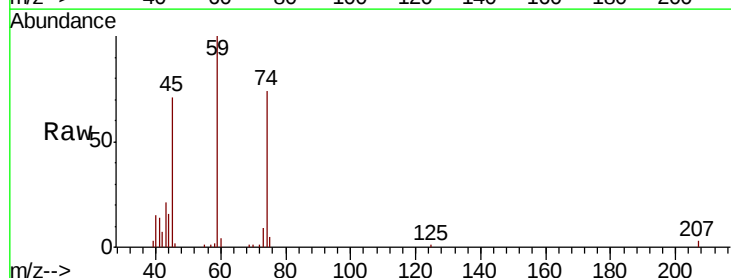
apatel
 12/17/2019 4:49:12 PM

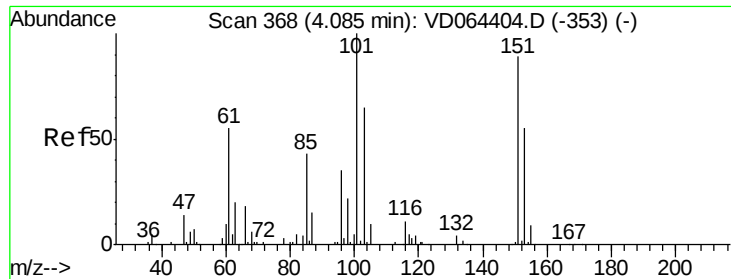


#8

Diethyl Ether
 Concen: 21.955 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD064521.D
 Acq: 16 Dec 2019 13:11

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	41030		
45	98.0	48.6	145.9	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.472 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD064521.D

Acq: 16 Dec 2019 13:11

Instrument :

MSVOA_D

ClientSampleId :

VD1216SBS01

Tot Ion:101 Resp: 86652

Ion Ratio Lower Upper

101 100

85 43.1 34.8 52.2

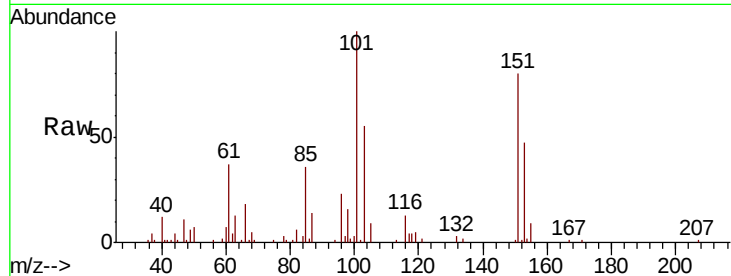
151 83.1 68.8 103.2

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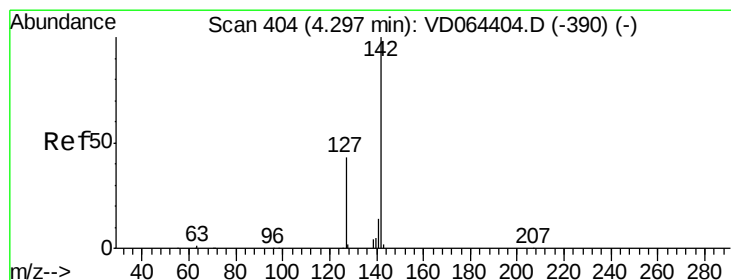
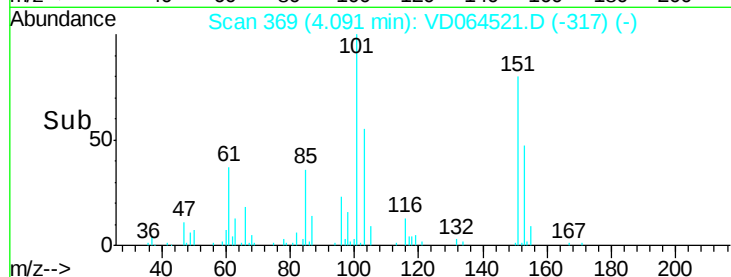
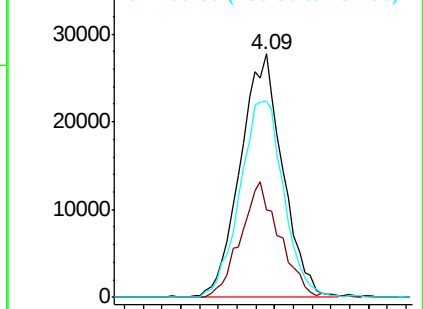
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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 22.222 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD064521.D

Acq: 16 Dec 2019 13:11

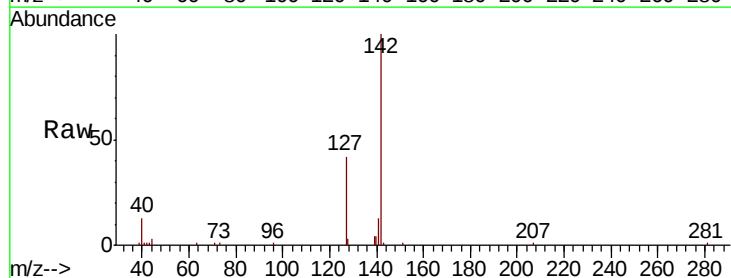
Tgt Ion:142 Resp: 90489

Ion Ratio Lower Upper

142 100

127 43.8 35.3 52.9

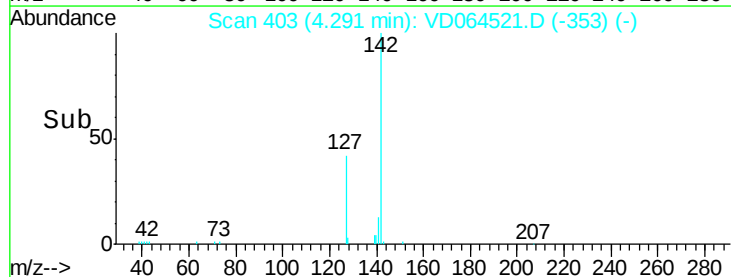
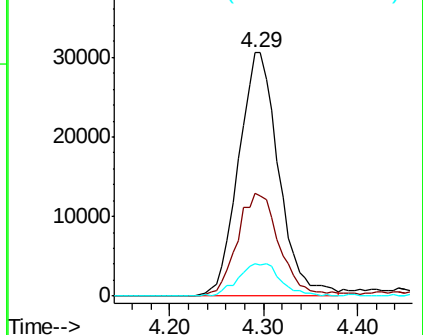
141 14.3 11.6 17.4

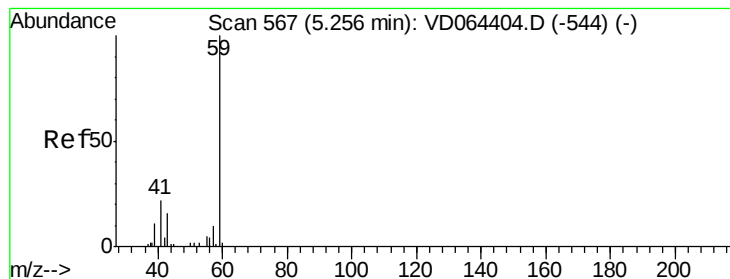


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

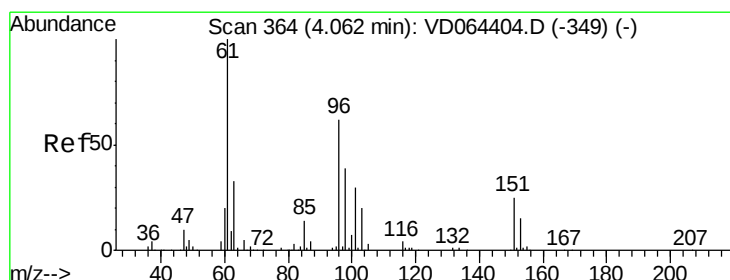
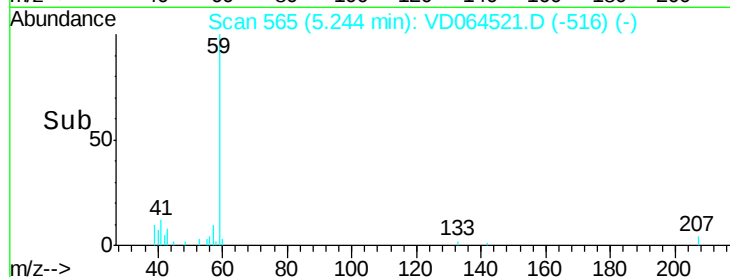
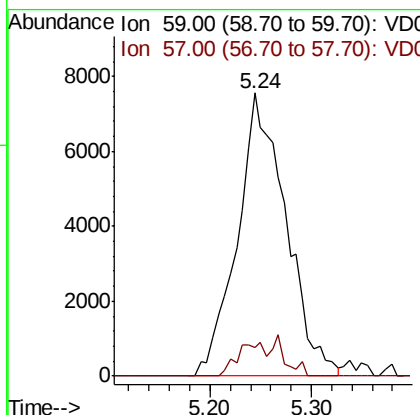
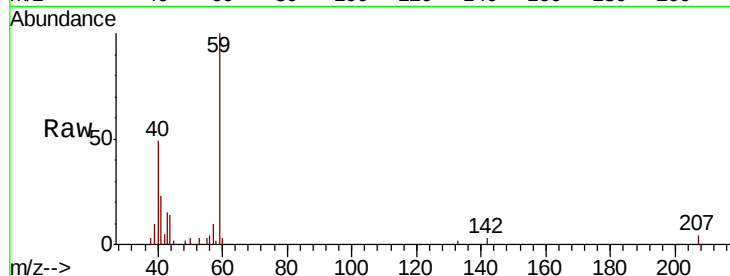
Tert butyl alcohol
Concen: 106.476 ug/l
RT: 5.24 min Scan# 565
Delta R.T. -0.01 min
Lab File: VD064521.D
Acq: 16 Dec 2019 13:11

Instrument :
MSVOA_D
ClientSampleId :
VD1216SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	6.8	0.0	0.0#

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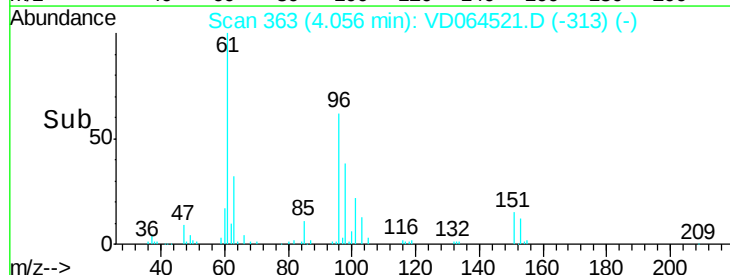
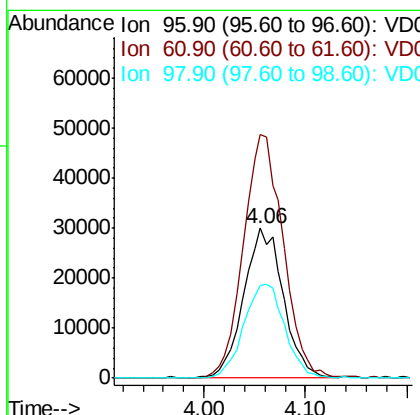
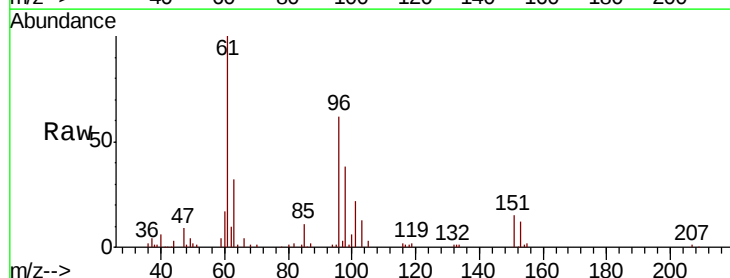
apatel
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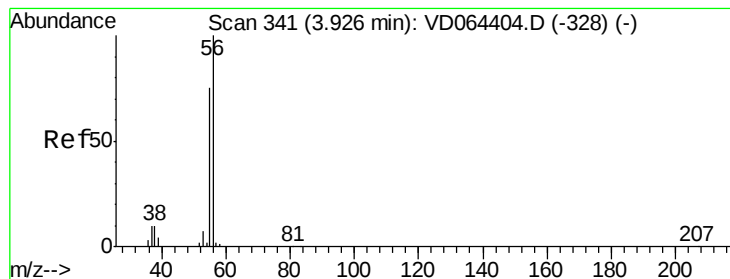


#12

1,1-Dichloroethene
Concen: 22.169 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD064521.D
Acq: 16 Dec 2019 13:11

Tgt Ion	Ratio	Lower	Upper
96	100		
61	162.4	128.2	192.4
98	61.7	50.4	75.6





#13

Acrolein

Concen: 83.534 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD064521.D

Acq: 16 Dec 2019 13:11

Instrument :

MSVOA_D

ClientSampleId :

VD1216SBS01

Tot Ion: 56 Resp: 26914

Ion Ratio Lower Upper

56 100

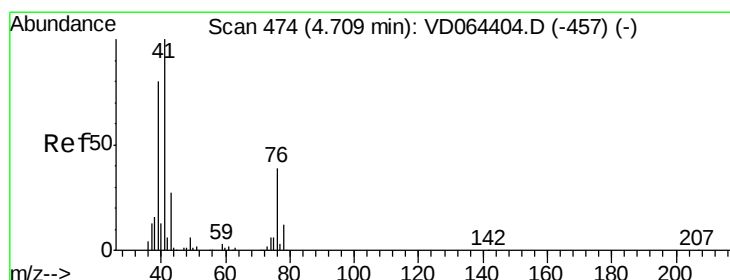
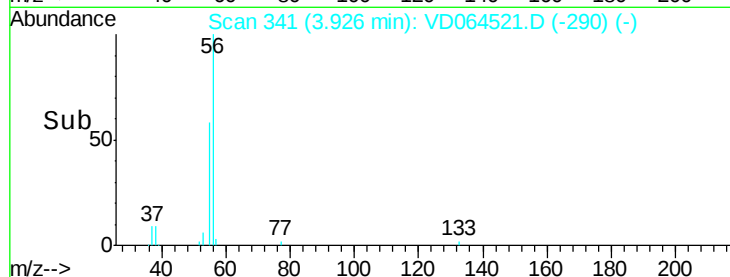
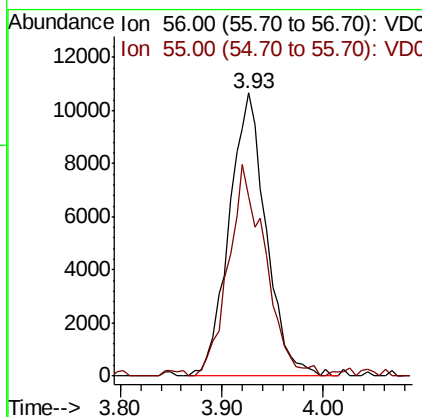
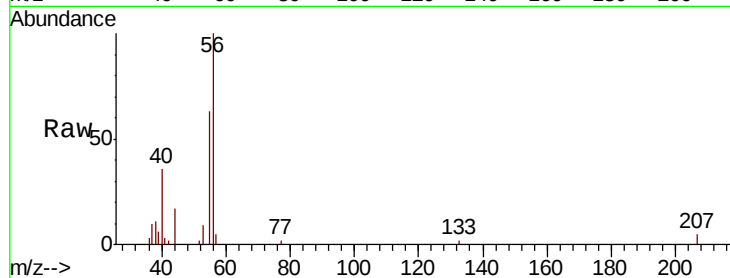
55 74.7 56.9 85.3

Manual Integrations

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#14

Allyl chloride

Concen: 22.717 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.00 min

Lab File: VD064521.D

Acq: 16 Dec 2019 13:11

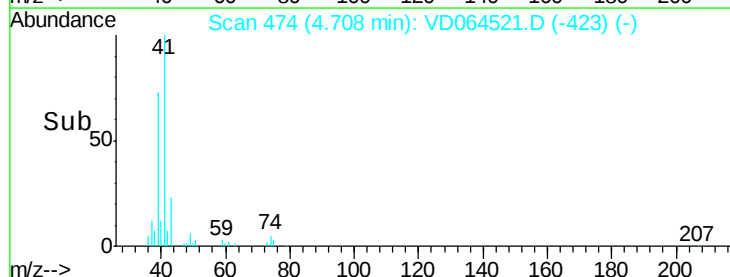
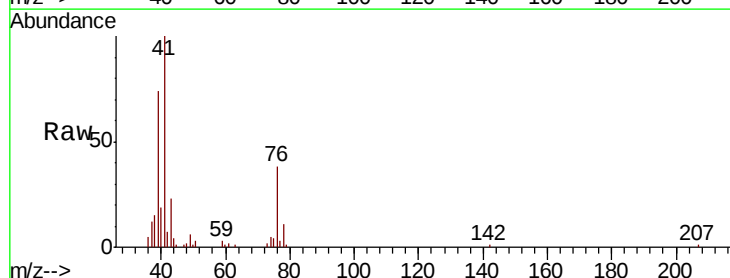
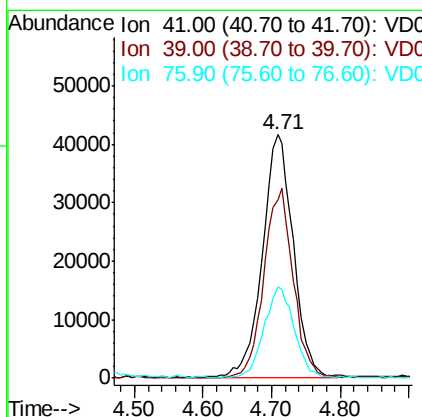
Tgt Ion: 41 Resp: 131009

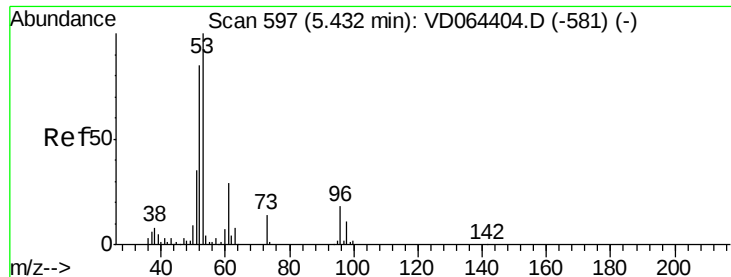
Ion Ratio Lower Upper

41 100

39 73.7 62.1 93.1

76 36.4 29.8 44.8





#15

Acrylonitrile

Concen: 108.077 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD064521.D

Acq: 16 Dec 2019 13:11

Instrument :

MSVOA_D

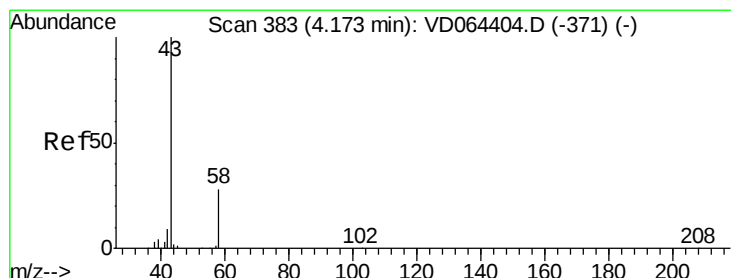
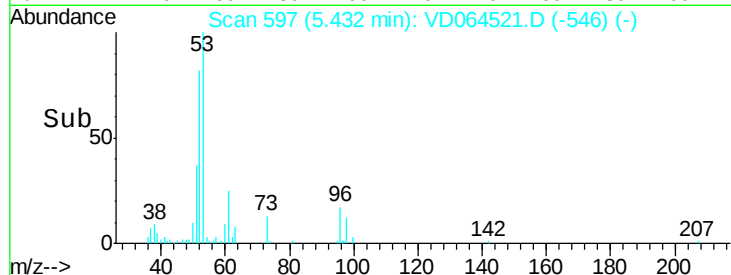
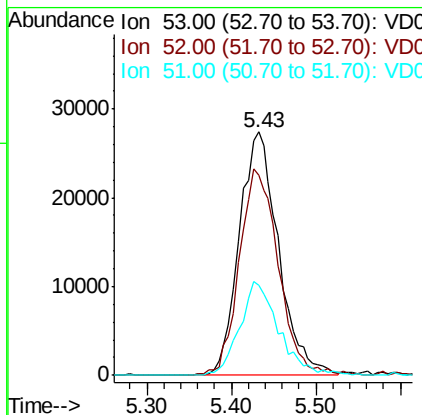
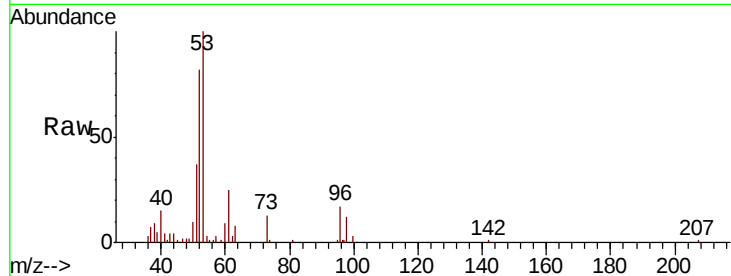
ClientSampleId :

VD1216SBS01

Tot Ion:	53	Resp:	88321
Ion Ratio	Lower	Upper	
53	100		
52	84.3	67.9	101.9
51	38.3	30.6	45.8

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#16

Acetone

Concen: 112.979 ug/l

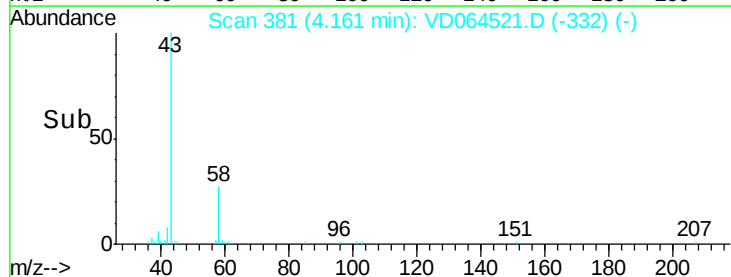
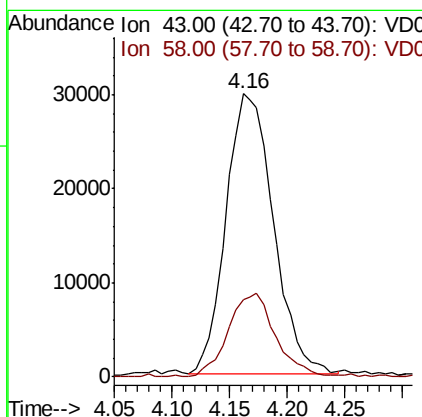
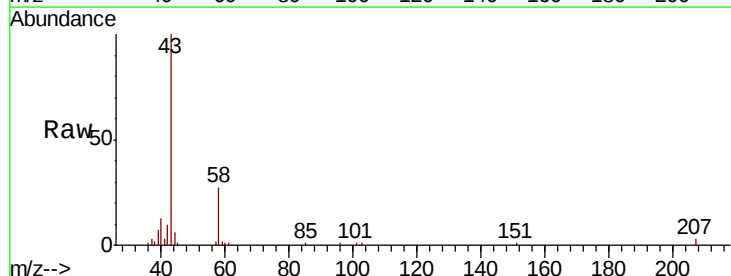
RT: 4.16 min Scan# 381

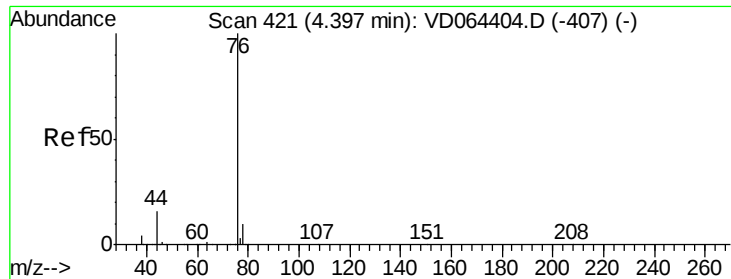
Delta R.T. -0.01 min

Lab File: VD064521.D

Acq: 16 Dec 2019 13:11

Tgt Ion:	43	Resp:	84721
Ion Ratio	Lower	Upper	
43	100		
58	27.5	22.6	33.8





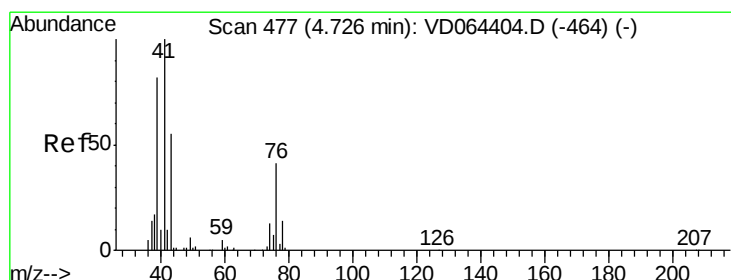
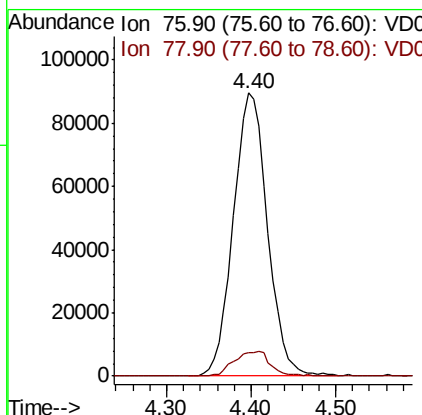
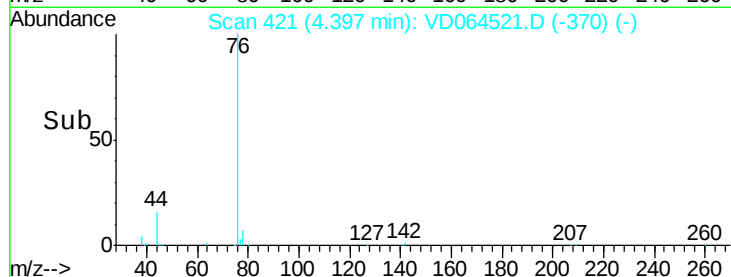
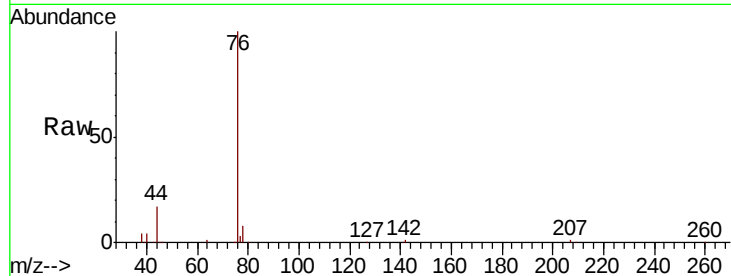
#17
Carbon Disulfide
Concen: 21.366 ug/l
RT: 4.40 min Scan# 421
Delta R.T. -0.00 min
Lab File: VD064521.D
Acq: 16 Dec 2019 13:11

Instrument :
MSVOA_D
ClientSampleId :
VD1216SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.1	7.8	11.8

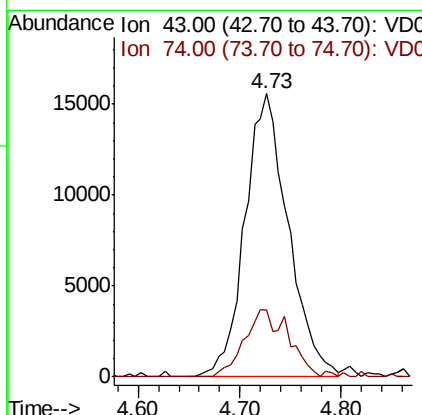
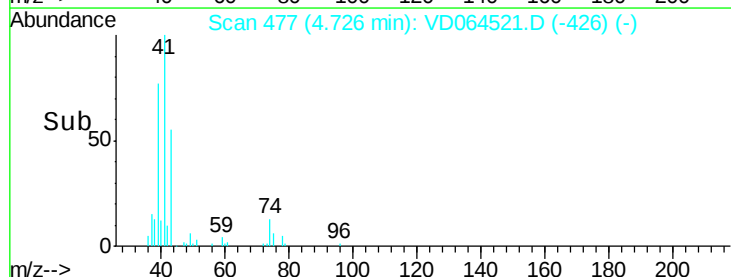
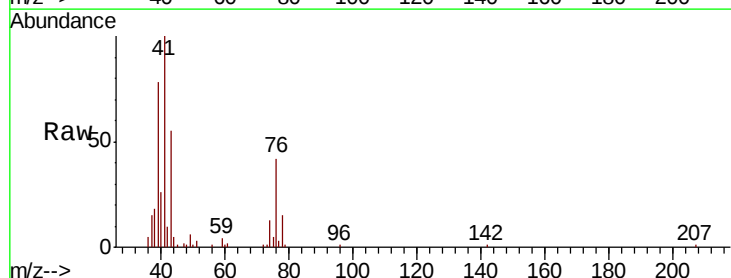
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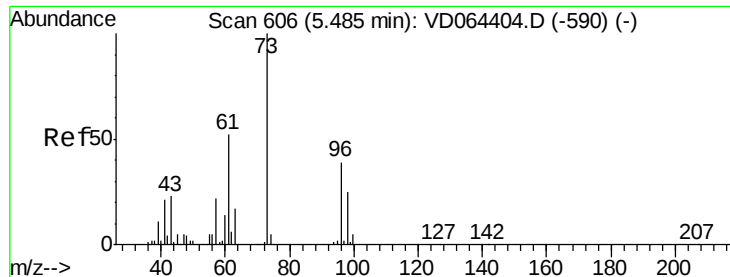
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#18
Methyl Acetate
Concen: 21.108 ug/l
RT: 4.73 min Scan# 477
Delta R.T. -0.00 min
Lab File: VD064521.D
Acq: 16 Dec 2019 13:11

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.9	19.7	29.5





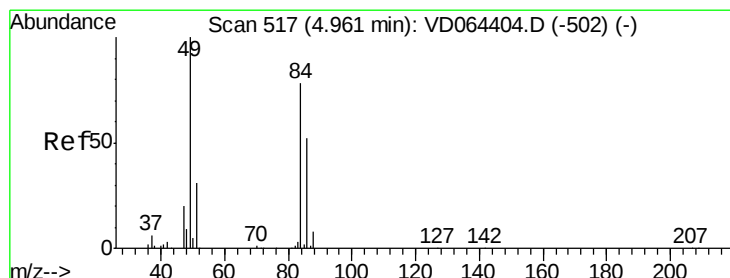
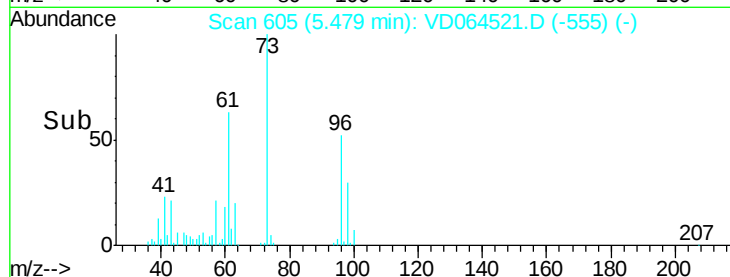
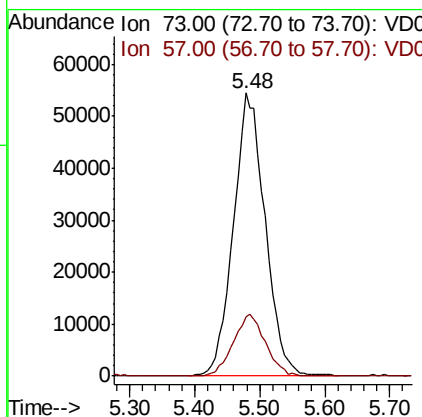
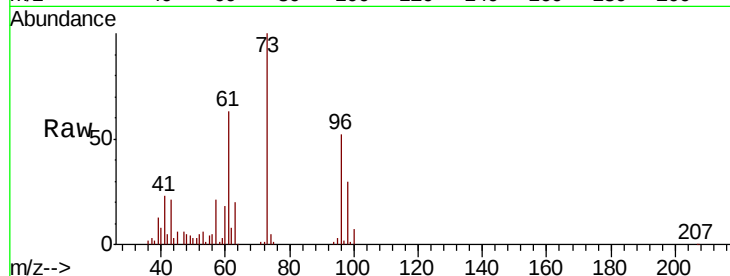
#19
Methvl tert-butvl Ether
Concen: 21.690 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD064521.D
Acq: 16 Dec 2019 13:11

Instrument :
MSVOA_D
ClientSampleId :
VD1216SBSD01

Tot Ion: 73 Resp: 183854
Ion Ratio Lower Upper
73 100
57 20.9 17.6 26.4

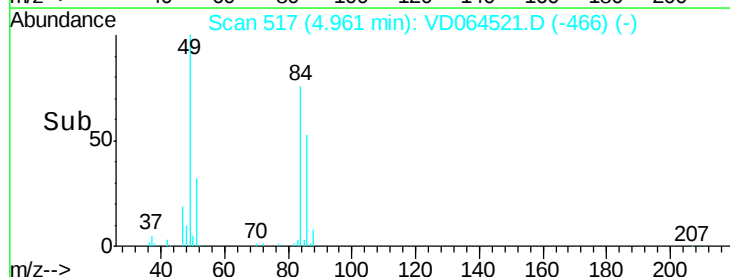
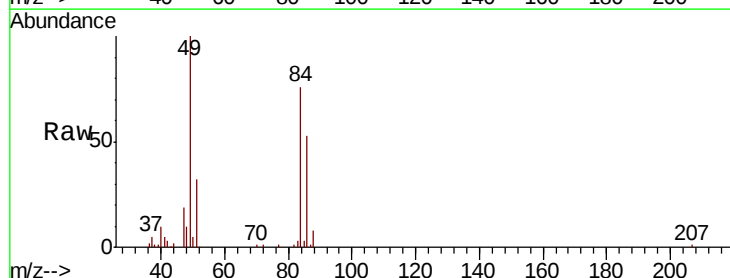
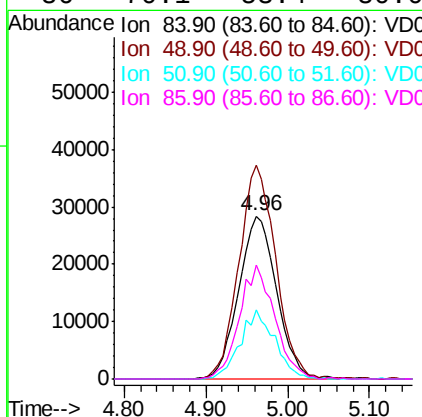
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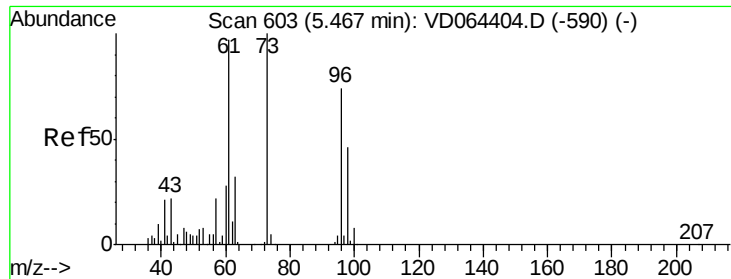
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#20
Methylene Chloride
Concen: 21.527 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064521.D
Acq: 16 Dec 2019 13:11

Tgt Ion: 84 Resp: 91670
Ion Ratio Lower Upper
84 100
49 131.1 102.6 153.8
51 42.3 32.0 48.0
86 70.1 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 22.427 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD064521.D

Acq: 16 Dec 2019 13:11

Instrument :

MSVOA_D

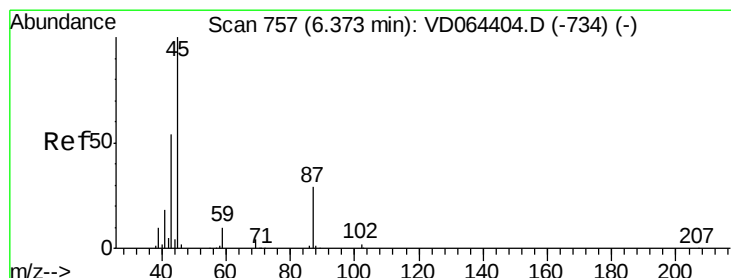
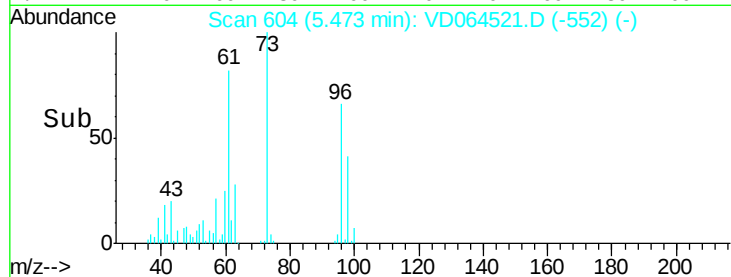
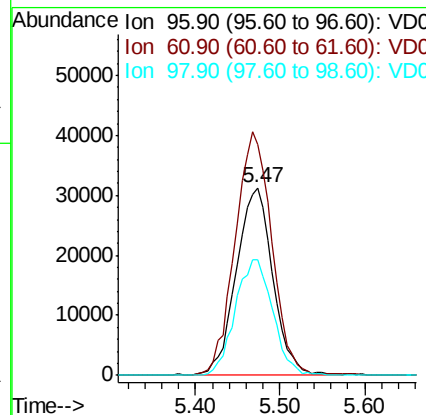
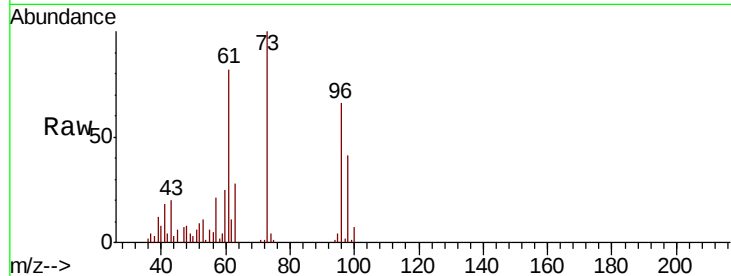
ClientSampleId :

VD1216SBS01

Tot Ion:	96	Resp:	93741
Ion	Ratio	Lower	Upper
96	100		
61	123.3	105.8	158.6
98	61.9	50.1	75.1

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#22

Diisopropyl ether

Concen: 21.834 ug/l

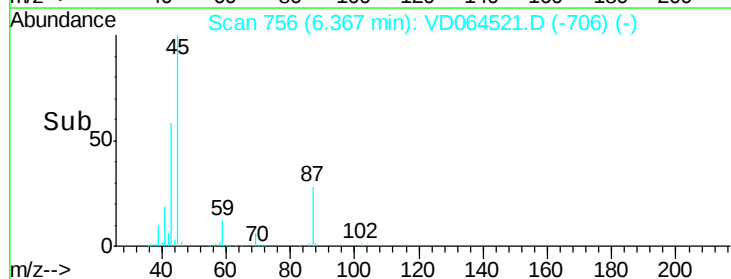
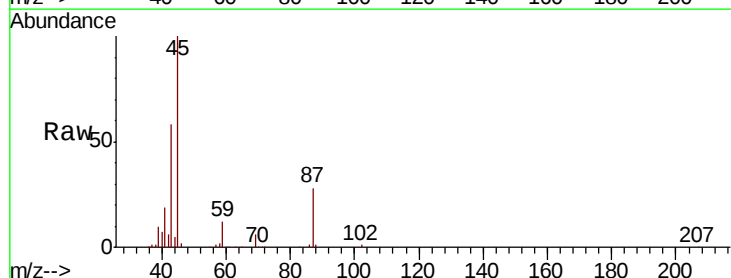
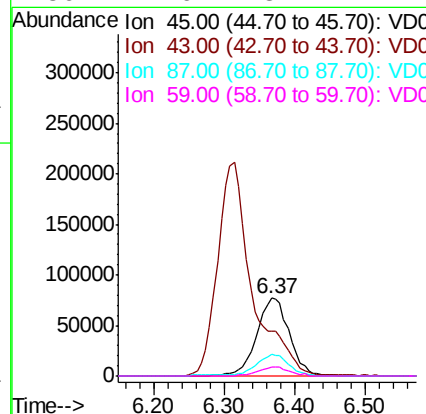
RT: 6.37 min Scan# 756

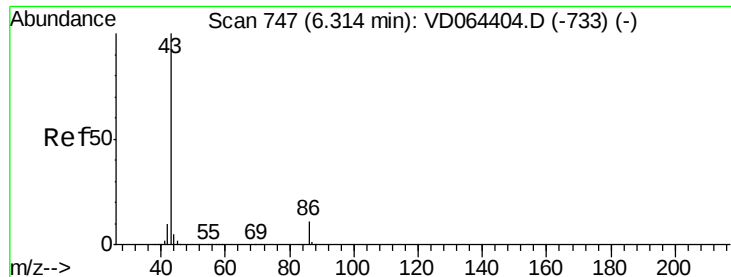
Delta R.T. -0.01 min

Lab File: VD064521.D

Acq: 16 Dec 2019 13:11

Tgt Ion:	45	Resp:	248567
Ion	Ratio	Lower	Upper
45	100		
43	57.3	43.1	64.7
87	27.9	23.5	35.3
59	11.6	8.2	12.2





#23

Vinyl Acetate

Concen: 107.726 ug/l

RT: 6.31 min Scan# 747

Delta R.T. -0.00 min

Lab File: VD064521.D

Acq: 16 Dec 2019 13:11

Instrument :

MSVOA_D

ClientSampleID :

VD1216SBS01

Tot Ion: 43 Resp: 723016

Ion Ratio Lower Upper

43 100

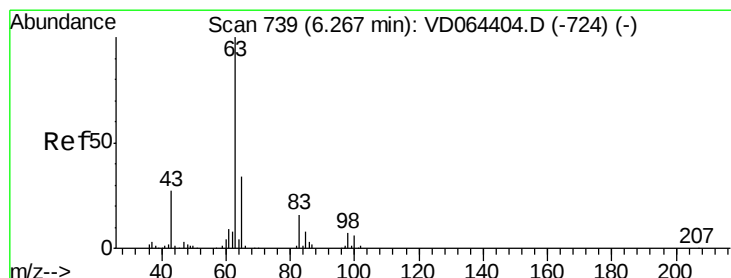
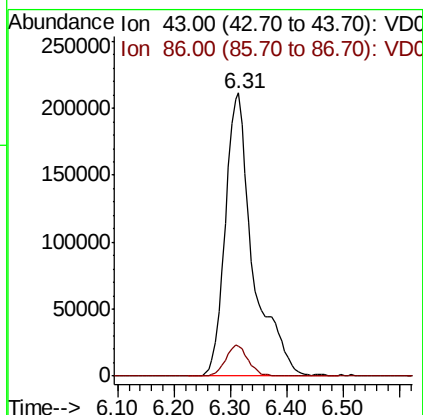
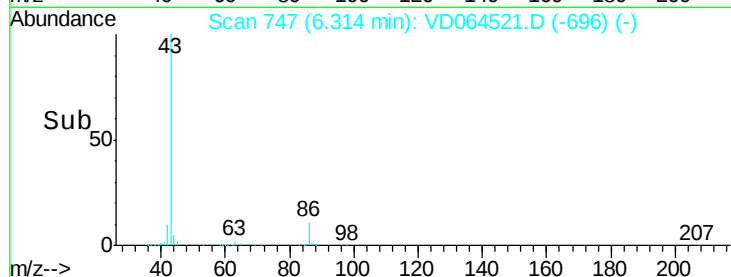
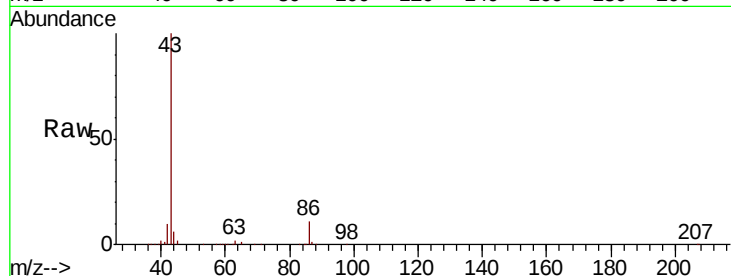
86 10.8 8.9 13.3

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#24

1,1-Dichloroethane

Concen: 22.179 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD064521.D

Acq: 16 Dec 2019 13:11

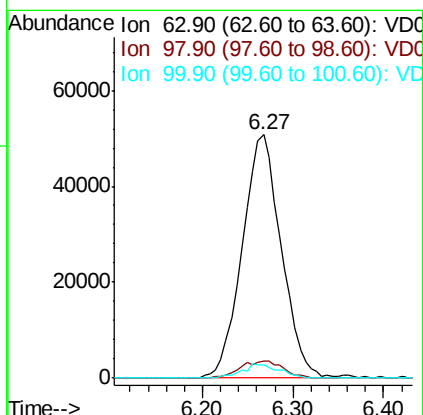
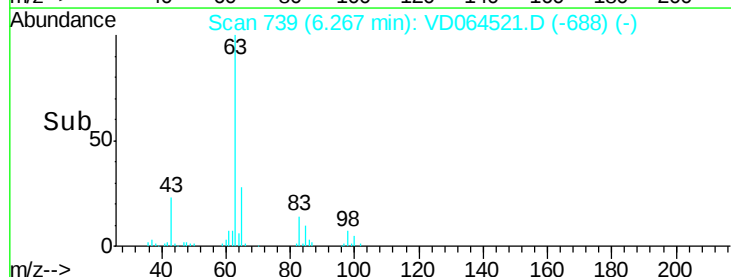
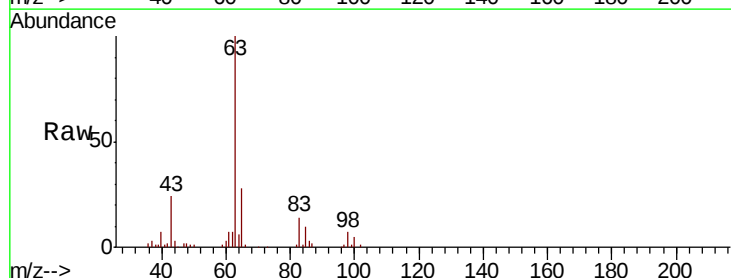
Tgt Ion: 63 Resp: 151849

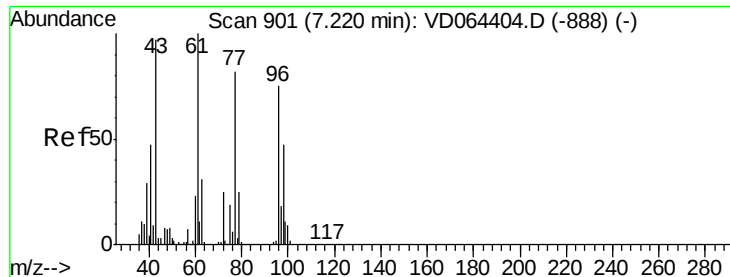
Ion Ratio Lower Upper

63 100

98 6.9 3.6 10.9

100 5.2 2.9 8.6





#25

2-Butanone

Concen: 108.772 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD064521.D

Acq: 16 Dec 2019 13:11

Instrument :

MSVOA_D

ClientSampleId :

VD1216SBS01

Tot Ion: 43 Resp: 115352

Ion Ratio Lower Upper

43 100

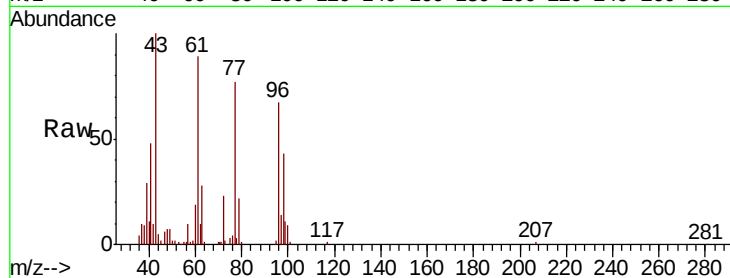
72 23.5 21.0 31.4

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

50000

40000

30000

20000

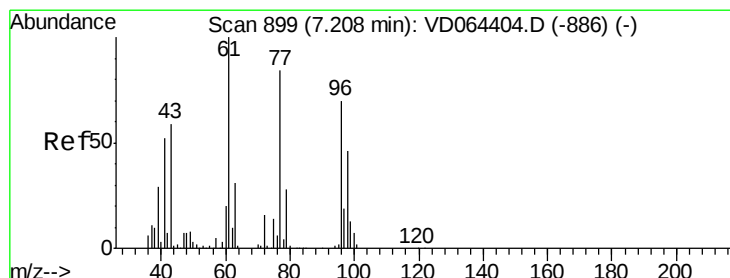
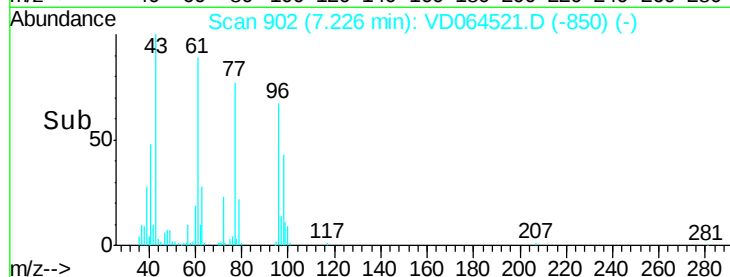
10000

0

Time-->

7.10 7.15 7.20 7.25 7.30

7.23



#26

2,2-Dichloropropane

Concen: 22.957 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD064521.D

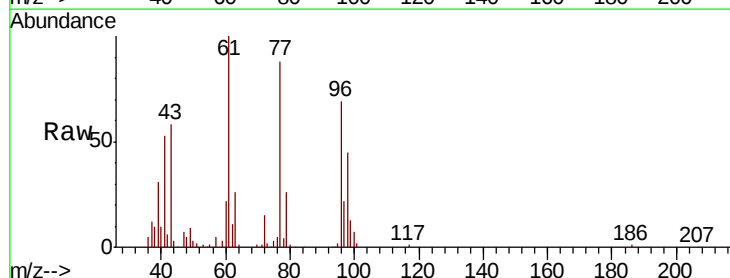
Acq: 16 Dec 2019 13:11

Tgt Ion: 77 Resp: 136689

Ion Ratio Lower Upper

77 100

97 21.8 11.6 34.7



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC

50000

40000

30000

20000

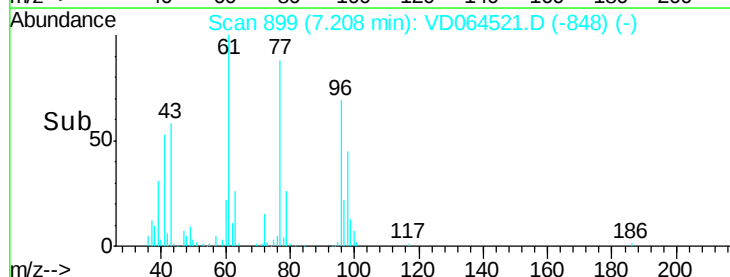
10000

0

Time-->

7.10 7.20 7.30 7.40

7.21





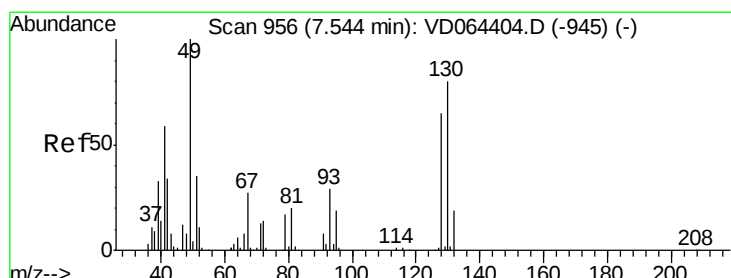
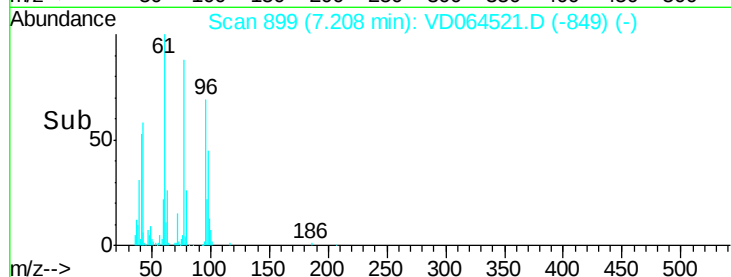
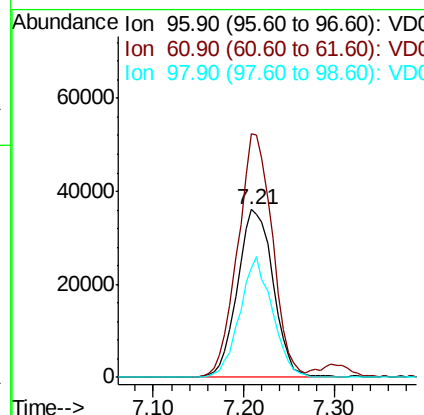
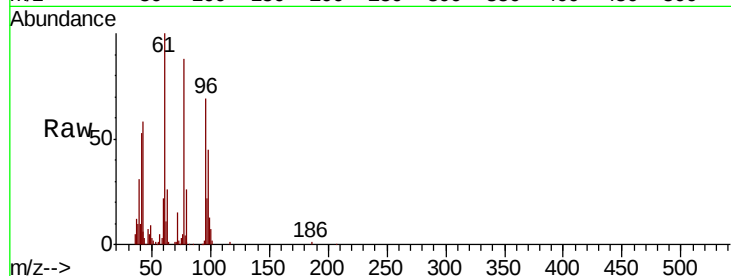
#27
 cis-1,2-Dichloroethene
 Concen: 21.700 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VD064521.D
 Acq: 16 Dec 2019 13:11

Instrument :
 MSVOA_D
 ClientSampleID :
 VD1216SBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.7	0.0	279.6
98	65.8	0.0	129.2

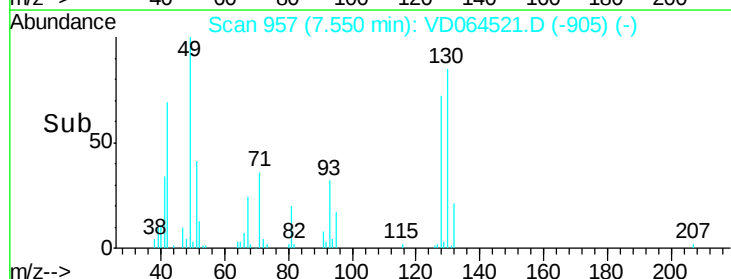
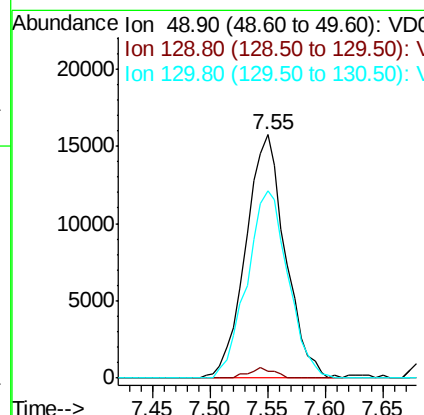
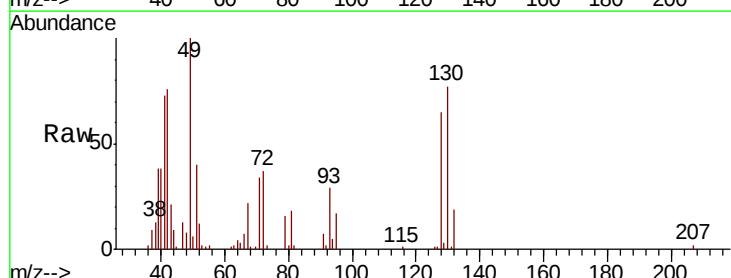
Manual Integrations
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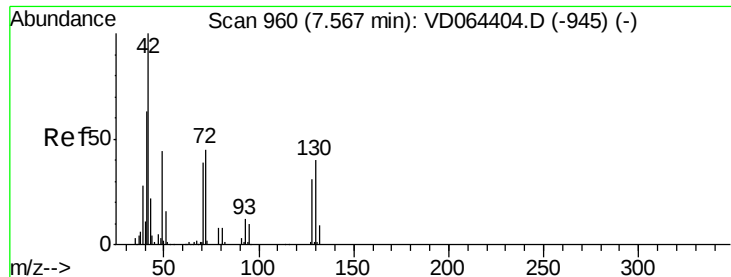
apatel
 12/17/2019 4:49:12 PM



#28
 Bromochloromethane
 Concen: 16.039 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.01 min
 Lab File: VD064521.D
 Acq: 16 Dec 2019 13:11

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	4.4
130	79.8	67.4	101.0





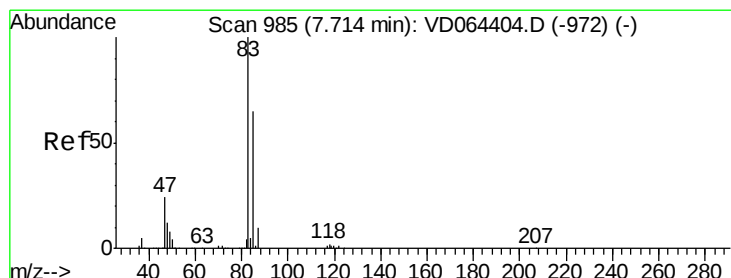
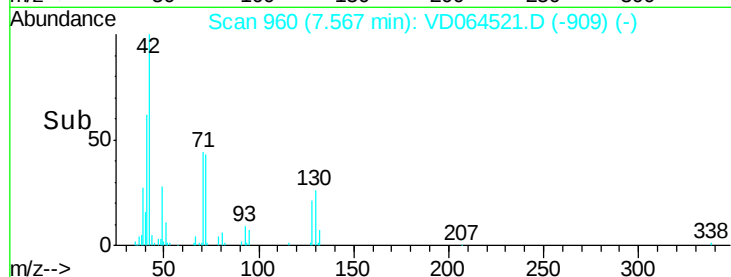
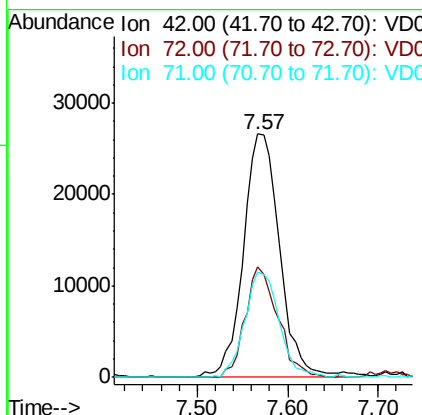
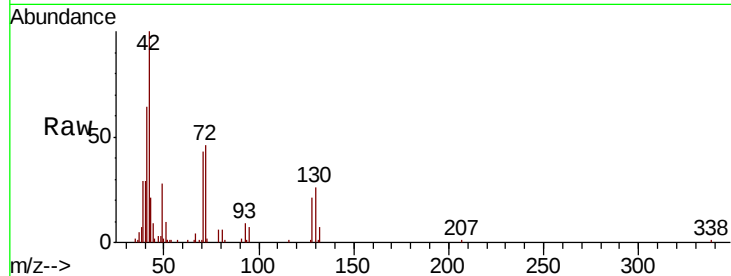
#29
Tetrahydrofuran
Concen: 109.515 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.00 min
Lab File: VD064521.D
Acq: 16 Dec 2019 13:11

Instrument :
MSVOA_D
ClientSampleId :
VD1216SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.1	35.8	53.8
71	41.2	32.7	49.1

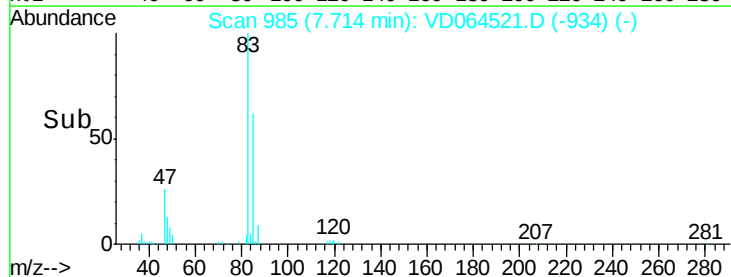
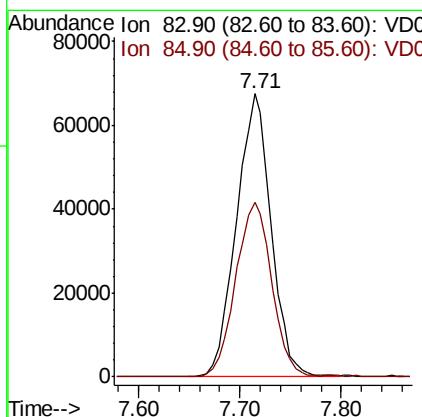
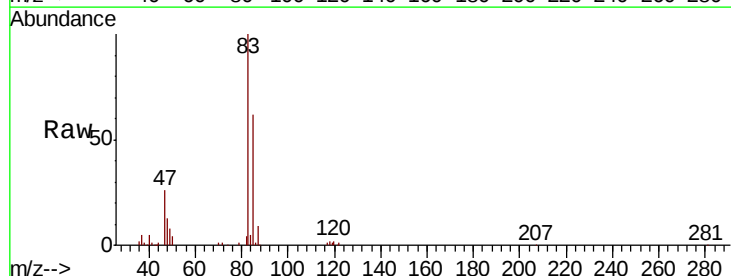
Manual Integrations
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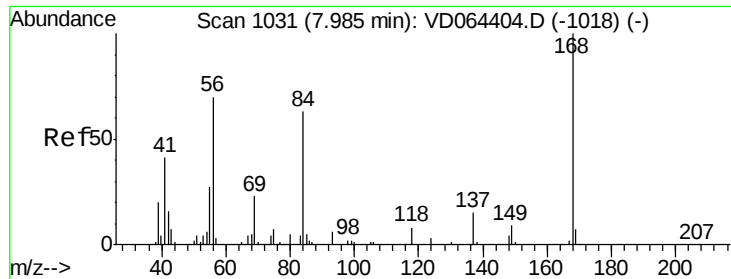
apatel
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#30
Chloroform
Concen: 22.647 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD064521.D
Acq: 16 Dec 2019 13:11

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.6	51.8	77.6





#31

Cyclohexane

Concen: 21.477 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064521.D

Acq: 16 Dec 2019 13:11

Instrument :

MSVOA_D

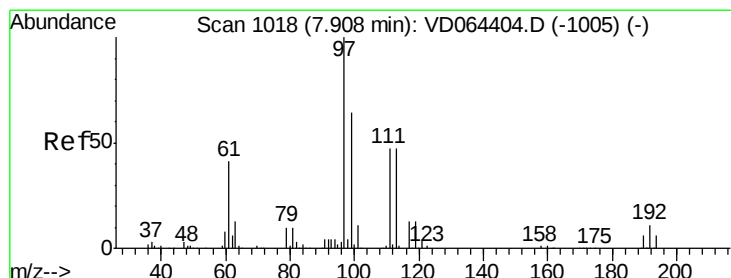
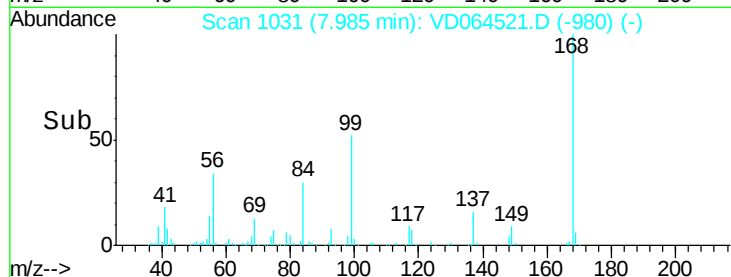
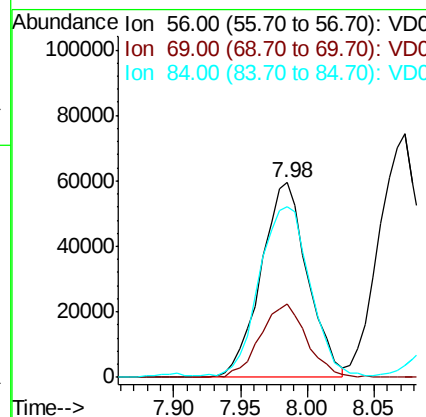
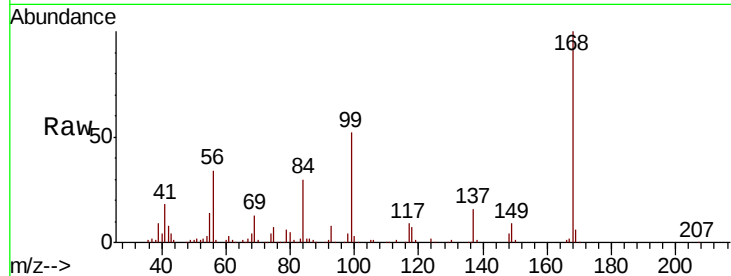
ClientSampleID :

VD1216SBS01

Tot Ion:	56	Resp:	144024
Ion Ratio	Lower	Upper	
56	100		
69	37.7	26.2	39.4
84	86.3	70.3	105.5

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 22.405 ug/l

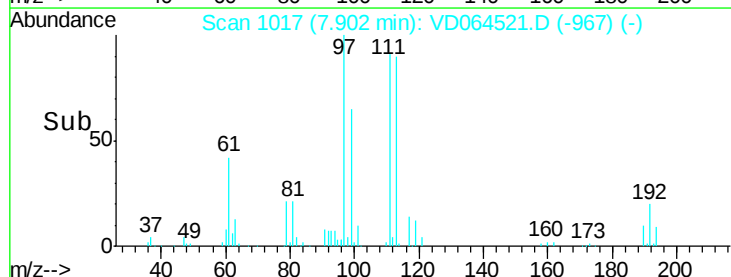
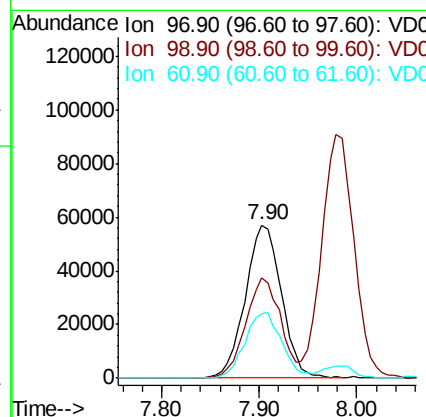
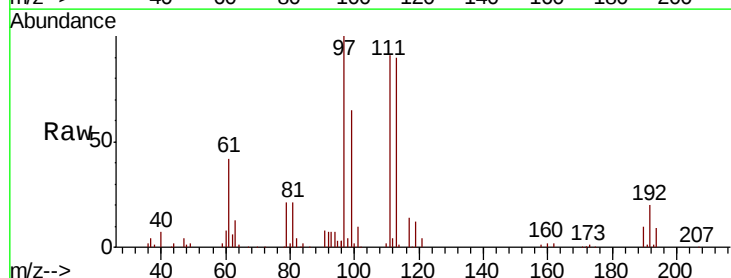
RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD064521.D

Acq: 16 Dec 2019 13:11

Tgt Ion:	97	Resp:	147290
Ion Ratio	Lower	Upper	
97	100		
99	62.6	51.4	77.2
61	44.0	35.0	52.4





#33

1,2-Dichloroethane-d4

Concen: 52.670 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD064521.D

Acq: 16 Dec 2019 13:11

Instrument :

MSVOA_D

ClientSampleId :

VD1216SBS01

Tot Ion: 65 Resp: 195449

Ion Ratio Lower Upper

65 100

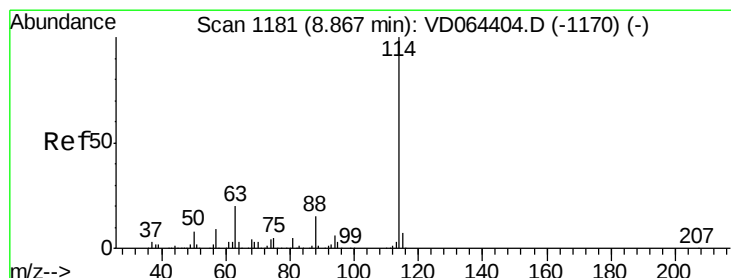
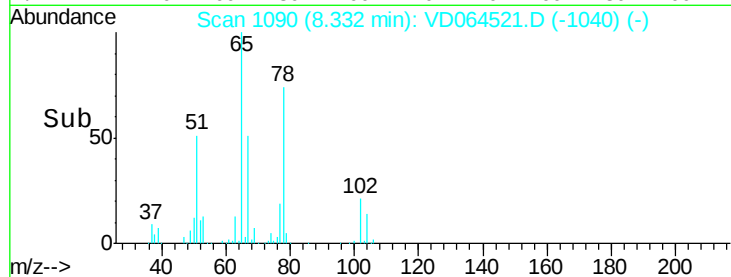
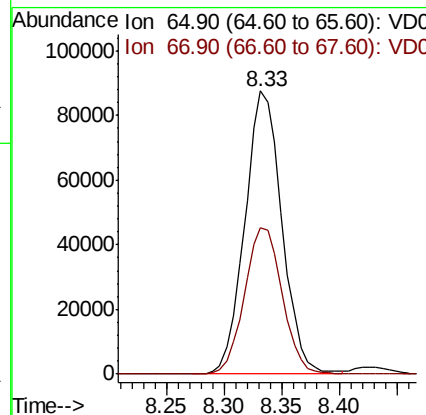
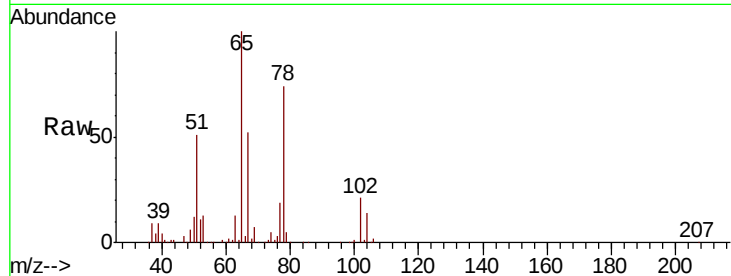
67 52.8 0.0 102.0

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD064521.D

Acq: 16 Dec 2019 13:11

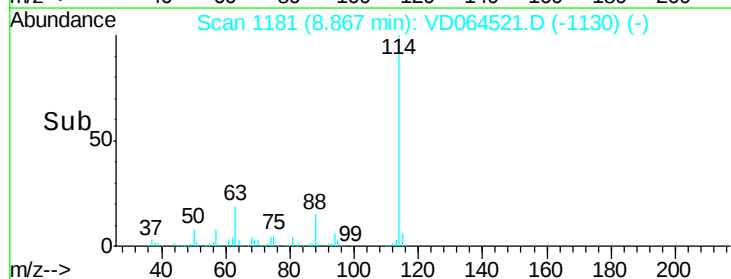
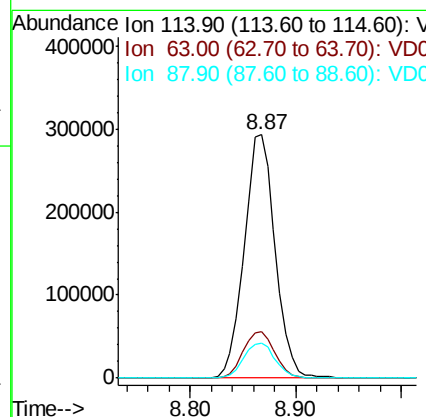
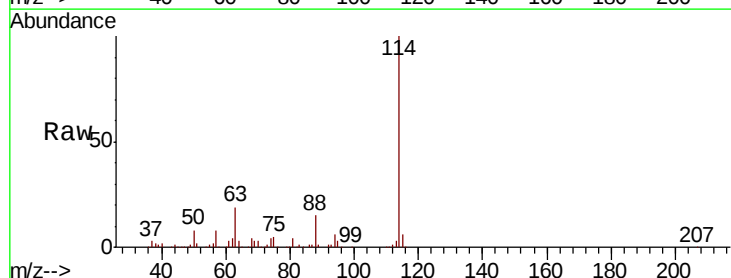
Tgt Ion: 114 Resp: 593956

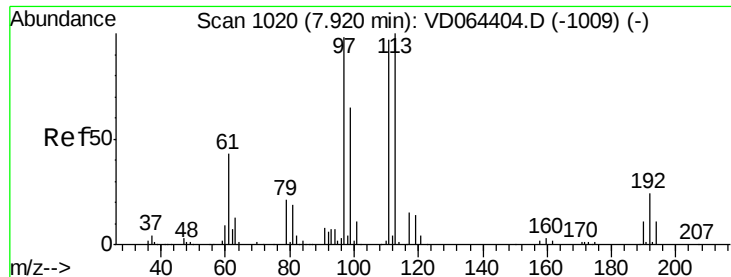
Ion Ratio Lower Upper

114 100

63 19.1 0.0 40.0

88 14.6 0.0 29.2





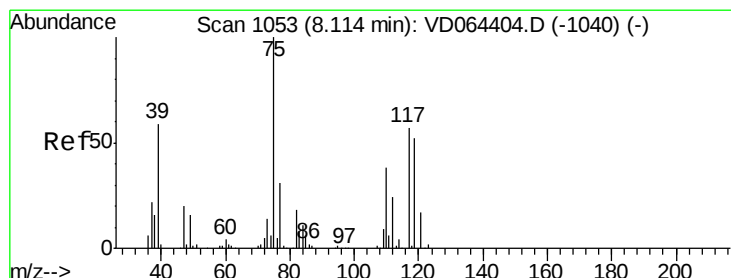
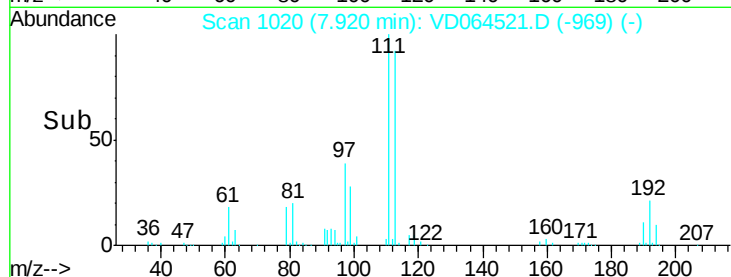
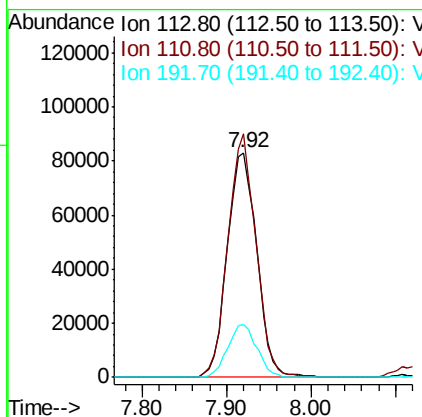
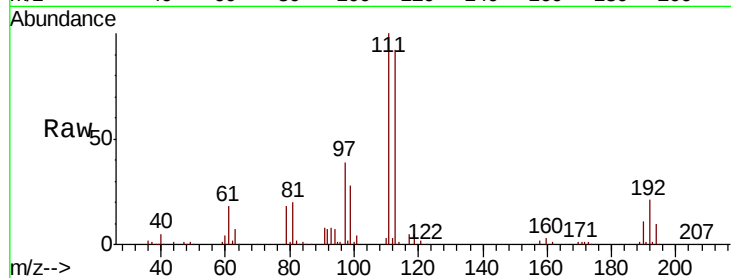
#35
 Dibromofluoromethane
 Concen: 53.569 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD064521.D
 Acq: 16 Dec 2019 13:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1216SBSD01

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	79.4	119.2
192	23.2	18.6	28.0

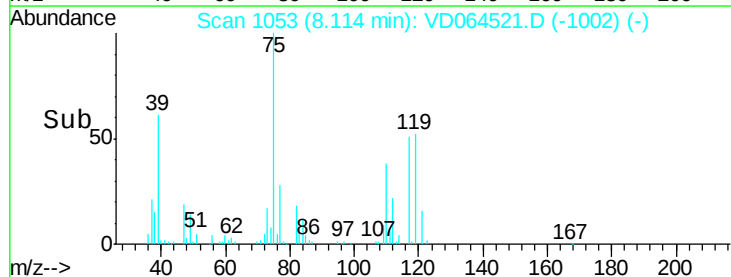
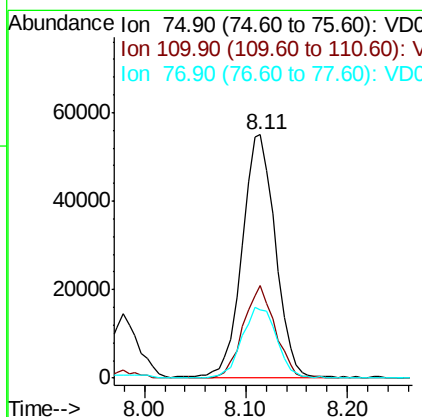
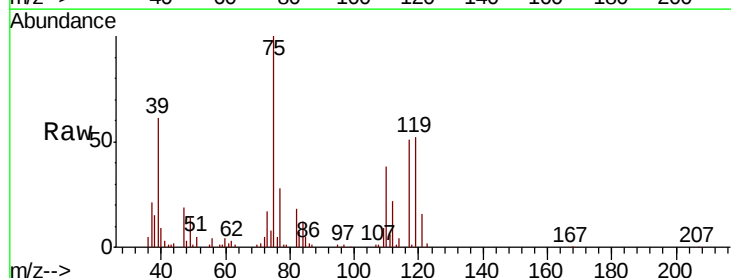
Manual Integrations
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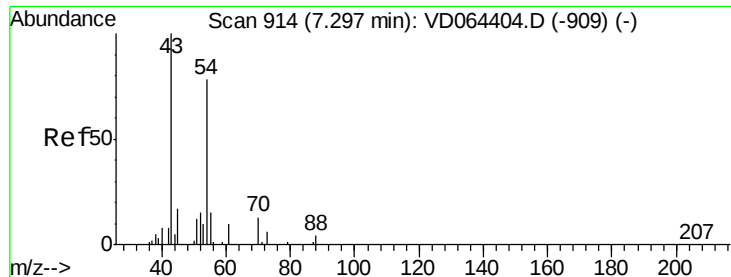
apatel
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#36
 1,1-Dichloropropene
 Concen: 22.372 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD064521.D
 Acq: 16 Dec 2019 13:11

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.2	18.6	55.8
77	30.4	25.0	37.4





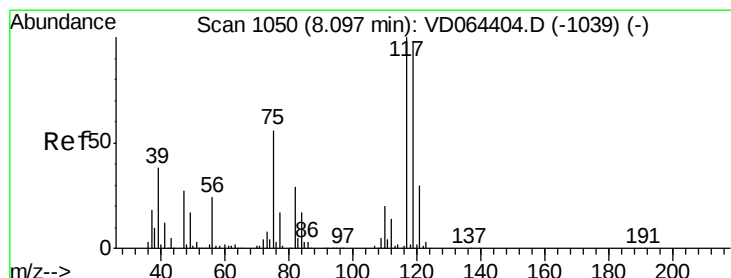
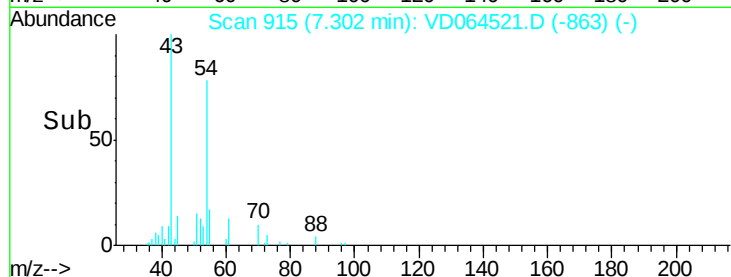
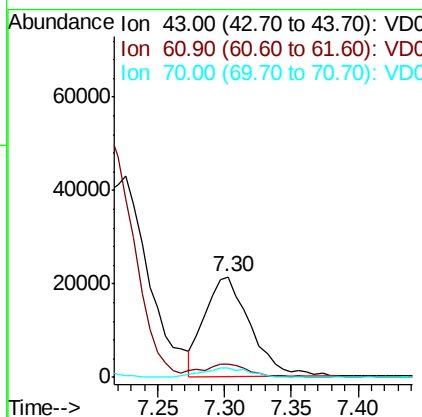
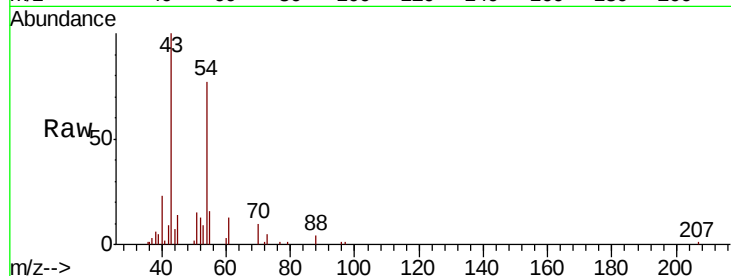
#37
Ethyl Acetate
Concen: 21.443 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD064521.D
Acq: 16 Dec 2019 13:11

Instrument :
MSVOA_D
ClientSampleId :
VD1216SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.7	10.9	16.3
70	9.9	8.3	12.5

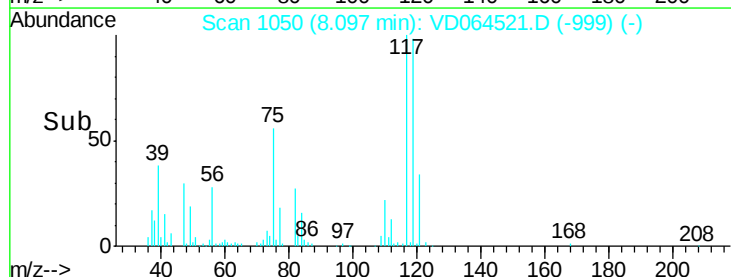
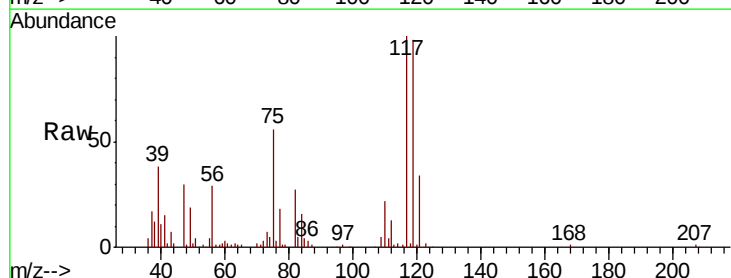
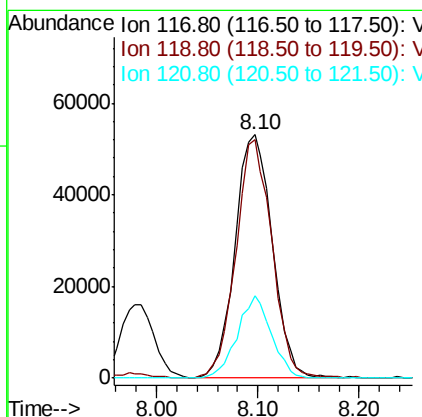
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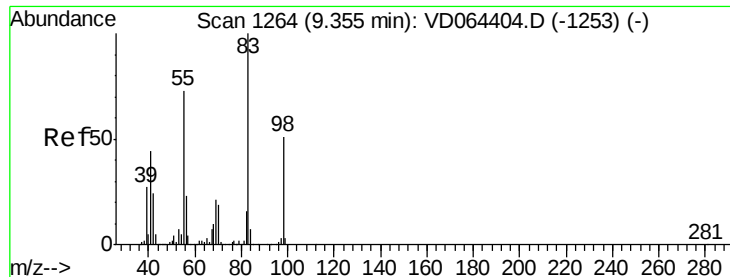
apatel
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#38
Carbon Tetrachloride
Concen: 22.887 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD064521.D
Acq: 16 Dec 2019 13:11

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.7	78.8	118.2
121	33.6	24.2	36.2





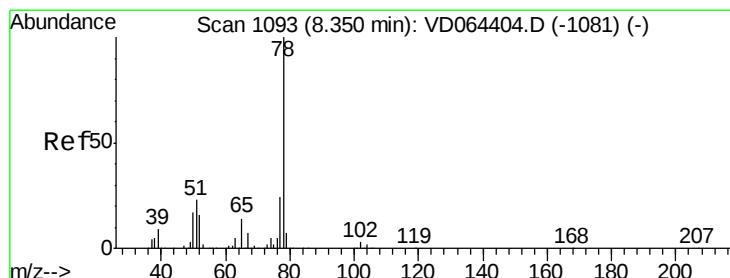
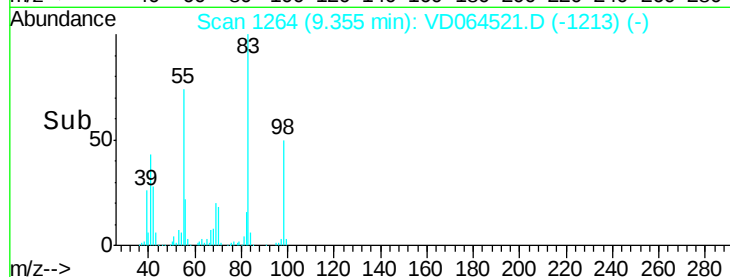
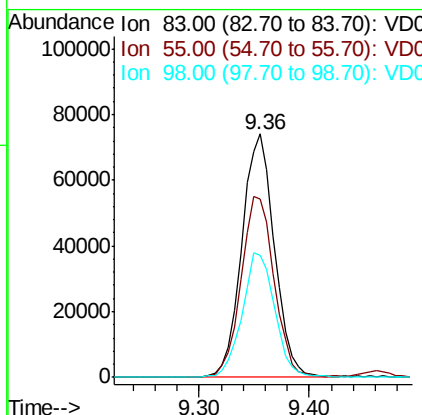
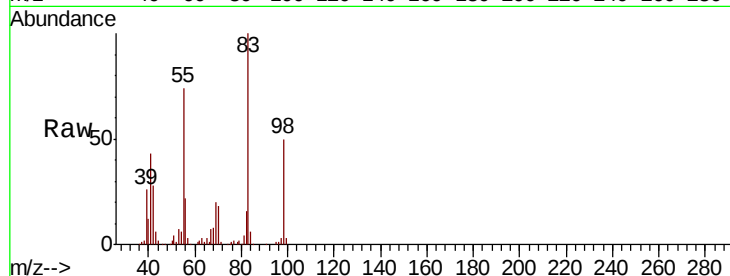
#39
Methvlcvclohexane
Concen: 22.047 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD064521.D
Acq: 16 Dec 2019 13:11

Instrument :
MSVOA_D
ClientSampleId :
VD1216SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.5	58.6	87.8
98	50.0	40.9	61.3

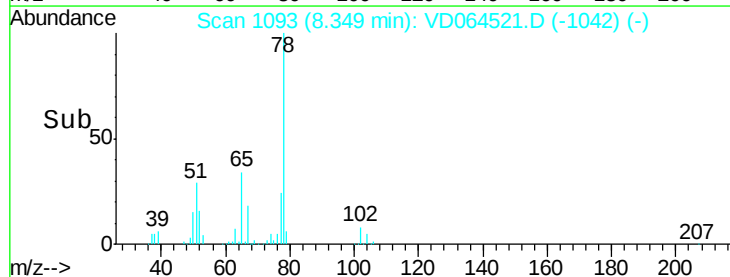
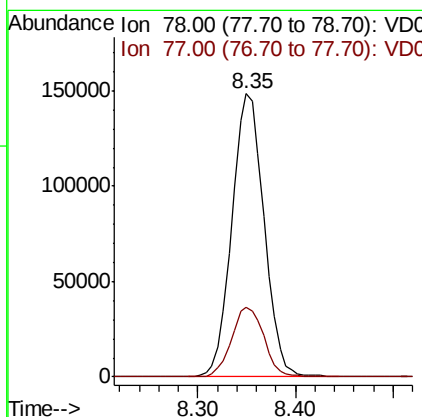
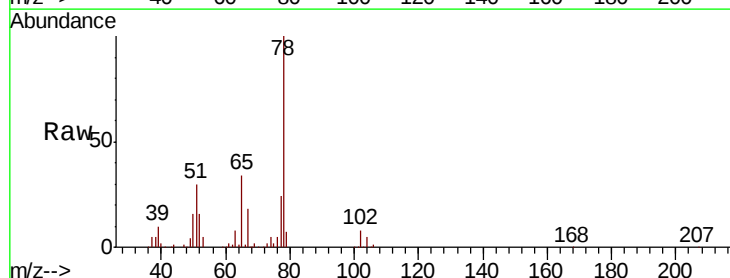
Manual Integrations
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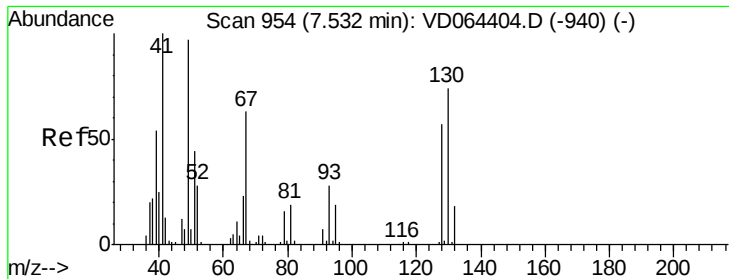
apatel
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#40
Benzene
Concen: 21.843 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD064521.D
Acq: 16 Dec 2019 13:11

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.6	29.4





#41

Methacrylonitrile

Concen: 18.716 ug/l

RT: 7.53 min Scan# 954

Delta R.T. -0.00 min

Lab File: VD064521.D

Acq: 16 Dec 2019 13:11

Instrument :

MSVOA_D

ClientSampleId :

VD1216SBS01

Tot Ion: 41 Resp: 25587
Ion Ratio Lower Upper

41 100

39 73.6 44.6 67.0#

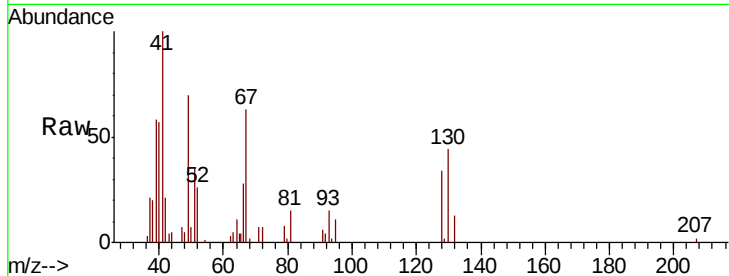
67 81.8 50.9 76.3#

52 38.1 22.5 33.7#

Manual Integrations
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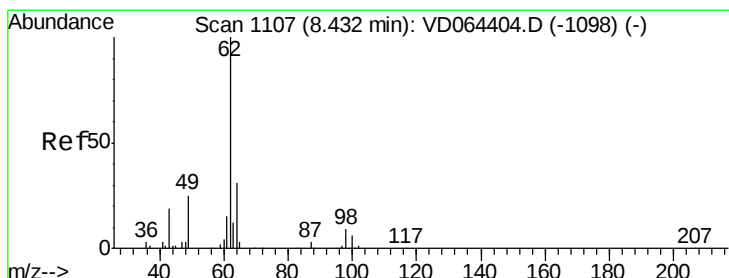
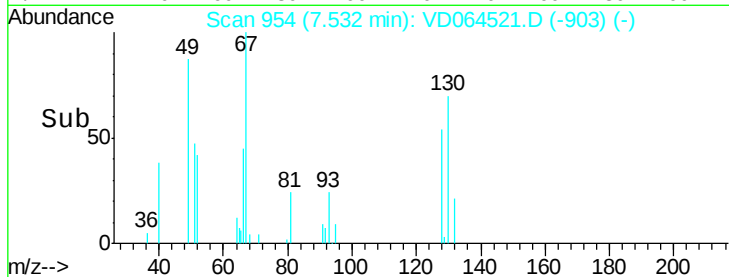
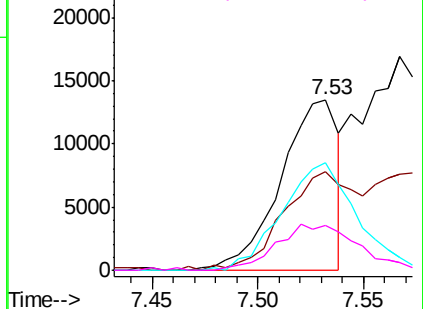
Abundance

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 22.190 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

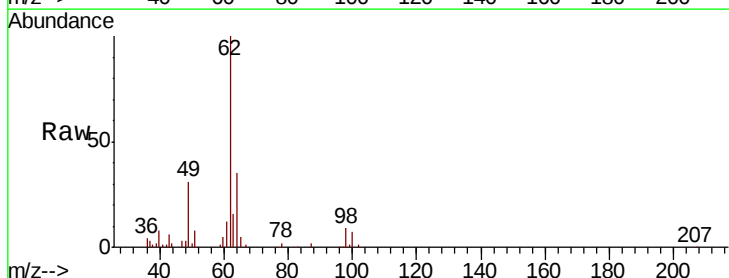
Lab File: VD064521.D

Acq: 16 Dec 2019 13:11

Tgt Ion: 62 Resp: 100973
Ion Ratio Lower Upper

62 100

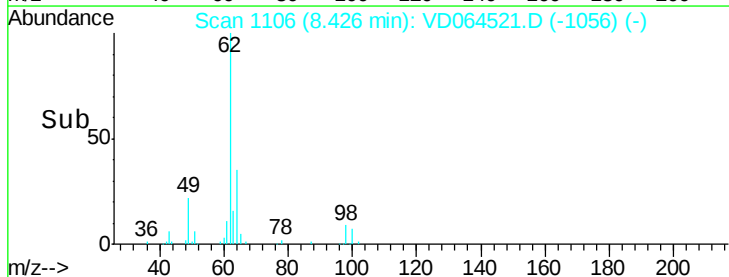
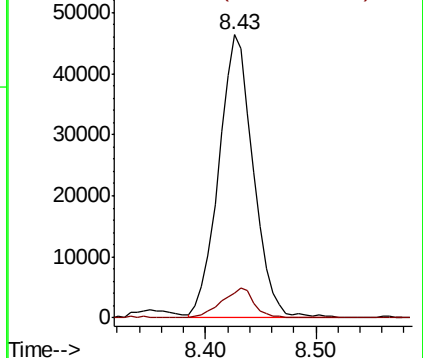
98 9.7 0.0 20.6

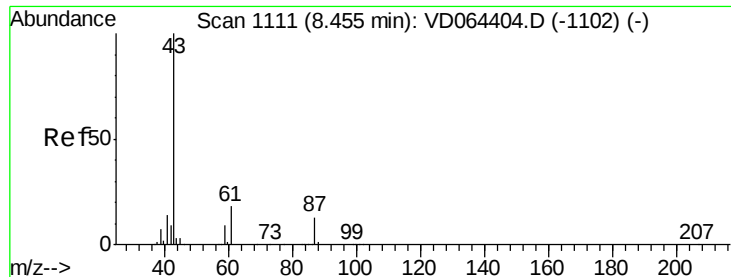


Abundance

Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 21.762 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD064521.D

Acq: 16 Dec 2019 13:11

Instrument :

MSVOA_D

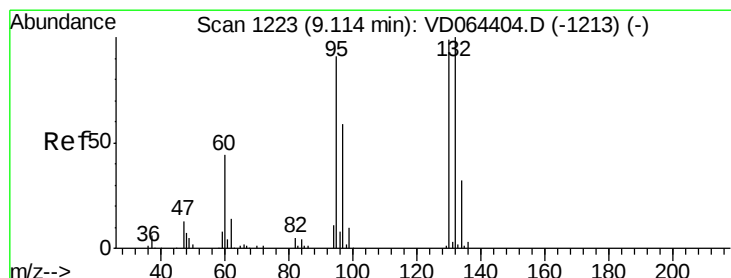
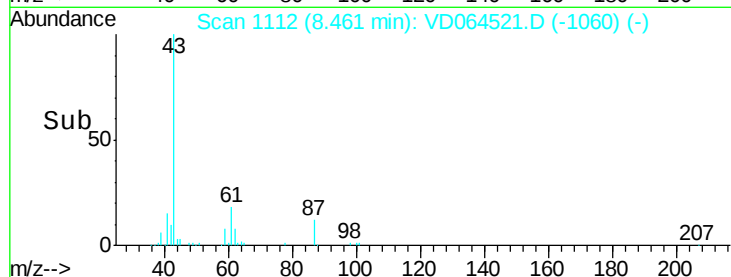
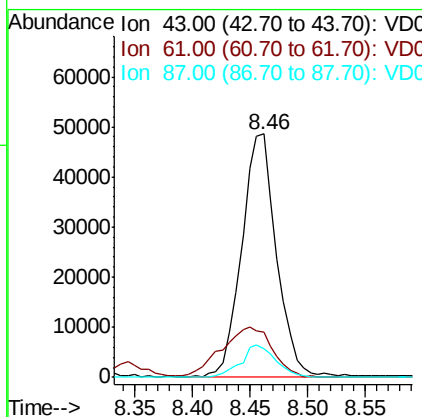
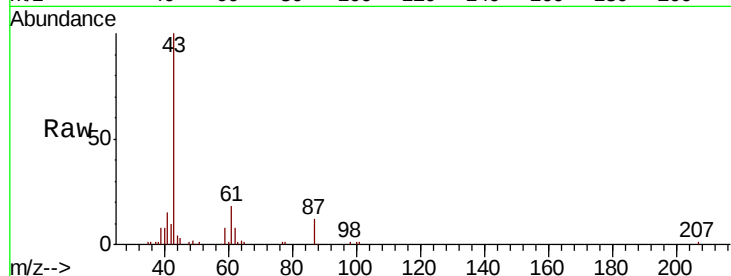
ClientSampleId :

VD1216SBS01

Tot Ion:	43	Resp:	102002
Ion	Ratio	Lower	Upper
43	100		
61	30.5	24.0	36.0
87	13.2	10.6	15.8

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#44

Trichloroethene

Concen: 22.490 ug/l

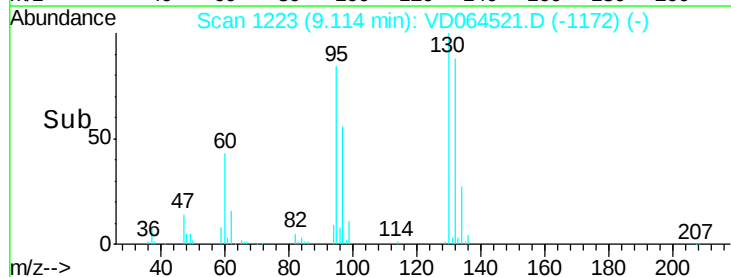
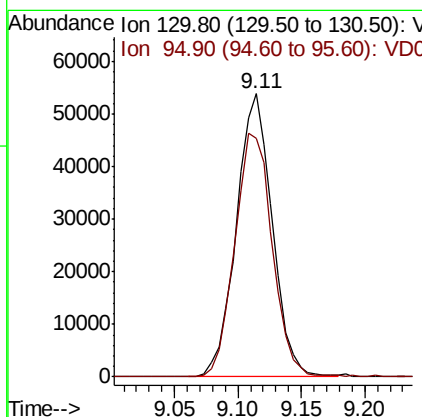
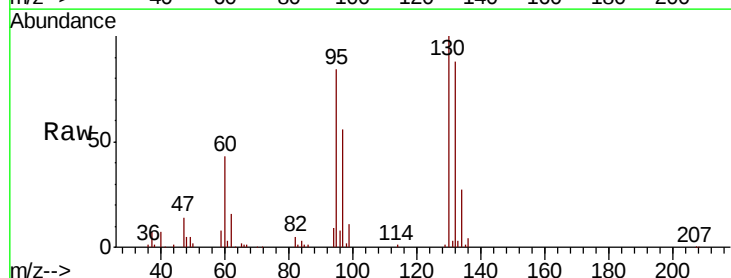
RT: 9.11 min Scan# 1223

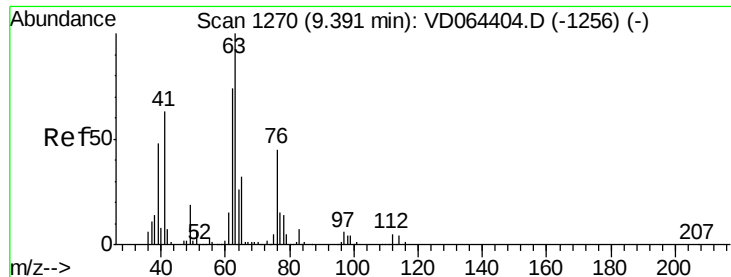
Delta R.T. -0.00 min

Lab File: VD064521.D

Acq: 16 Dec 2019 13:11

Tgt Ion:	130	Resp:	105709
Ion	Ratio	Lower	Upper
130	100		
95	84.3	0.0	184.6





#45

1,2-Dichloropropane

Concen: 22.898 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD064521.D

Acq: 16 Dec 2019 13:11

Instrument :

MSVOA_D

ClientSampleId :

VD1216SBS01

Tot Ion: 63 Resp: 85448

Ion Ratio Lower Upper

63 100

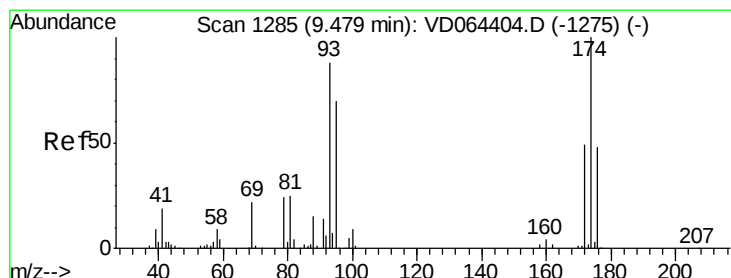
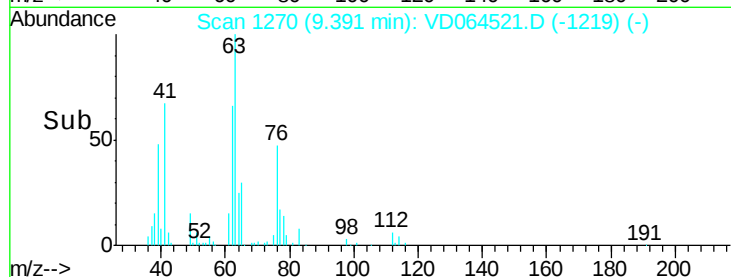
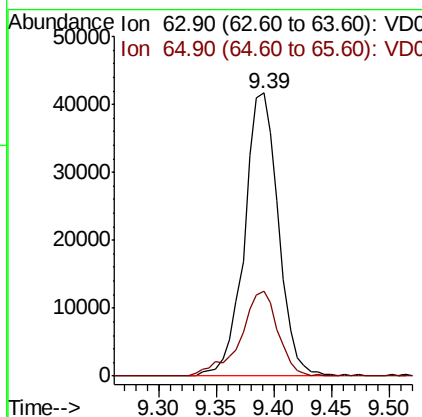
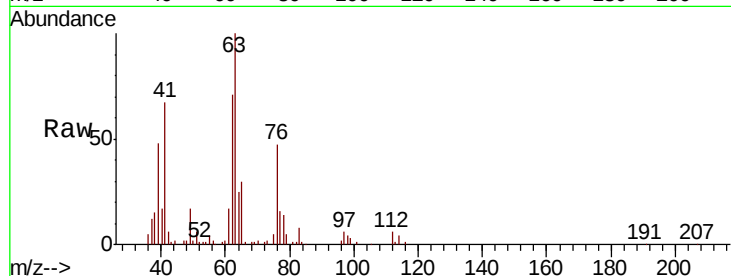
65 30.2 25.4 38.0

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#46

Dibromomethane

Concen: 21.245 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD064521.D

Acq: 16 Dec 2019 13:11

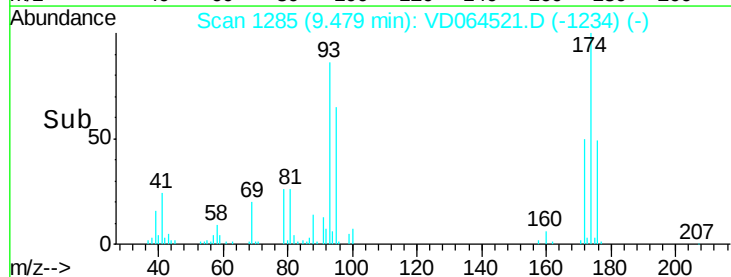
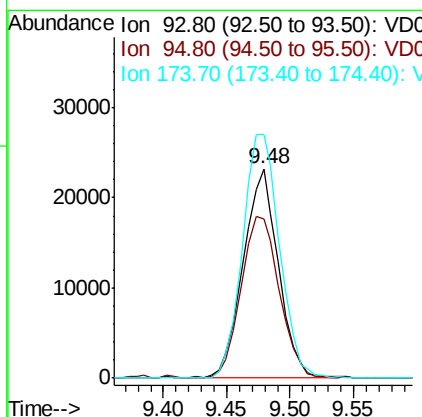
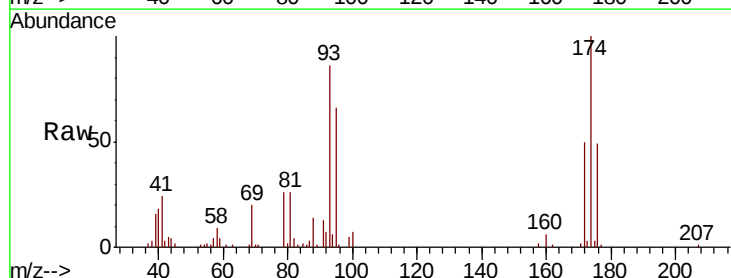
Tgt Ion: 93 Resp: 44745

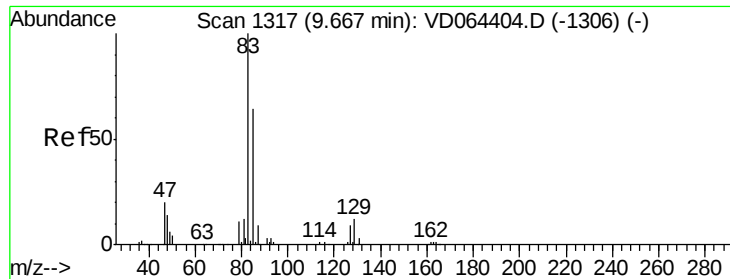
Ion Ratio Lower Upper

93 100

95 84.6 66.7 100.1

174 122.6 92.3 138.5





#47

Bromodichloromethane

Concen: 22.927 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD064521.D

Acq: 16 Dec 2019 13:11

Instrument :

MSVOA_D

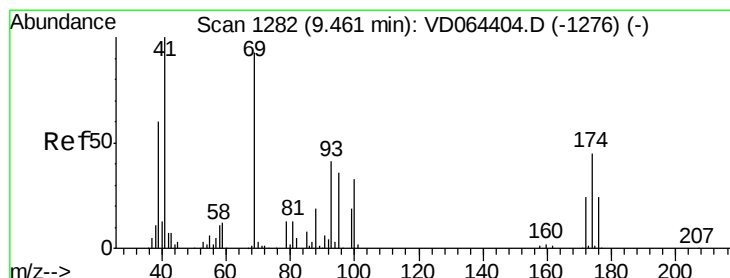
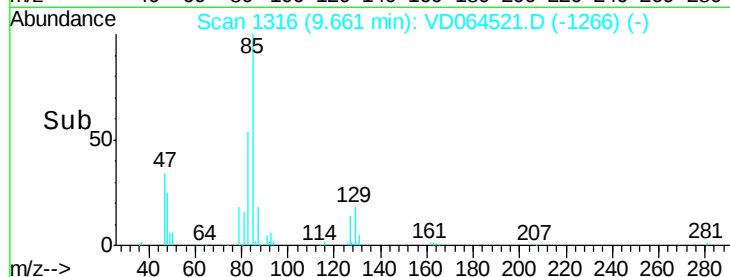
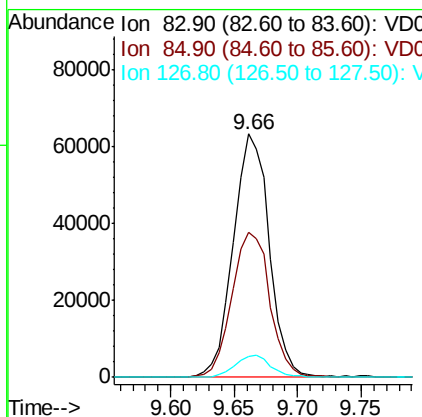
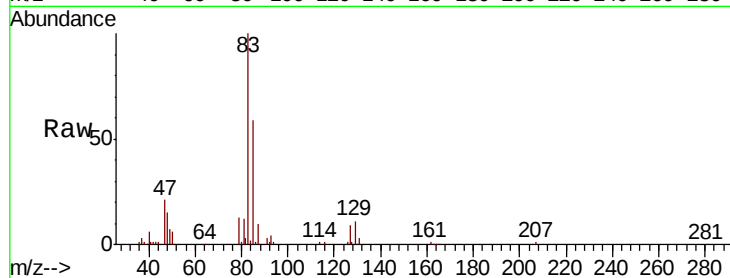
ClientSampleId :

VD1216SBSD01

Tot Ion:	83	Resp:	124076
Ion	Ratio	Lower	Upper
83	100		
85	59.3	51.1	76.7
127	8.5	7.4	11.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 21.237 ug/l

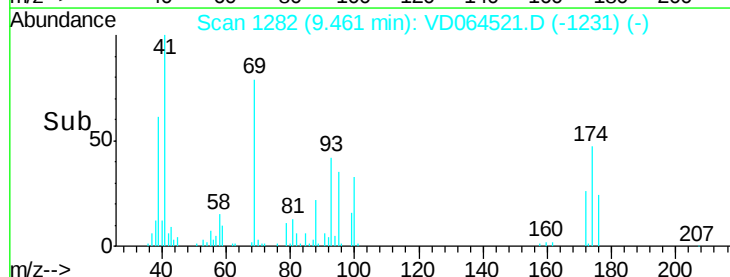
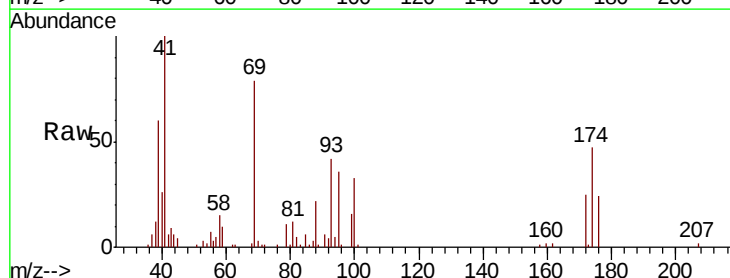
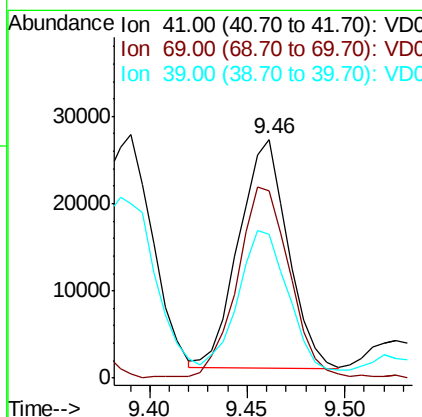
RT: 9.46 min Scan# 1282

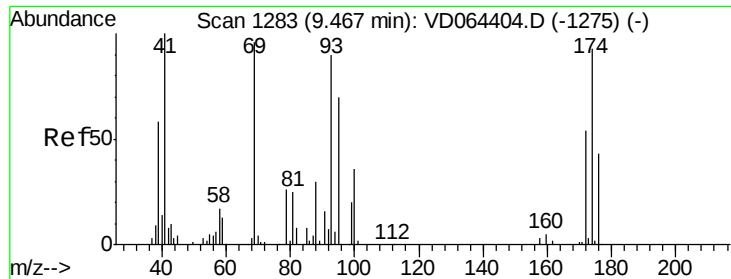
Delta R.T. -0.00 min

Lab File: VD064521.D

Acq: 16 Dec 2019 13:11

Tgt Ion:	41	Resp:	45549
Ion	Ratio	Lower	Upper
41	100		
69	90.7	72.0	108.0
39	61.6	55.2	82.8





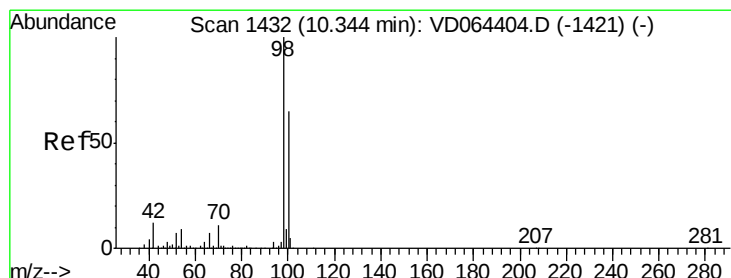
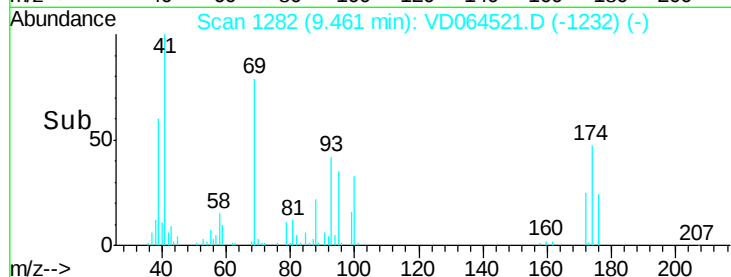
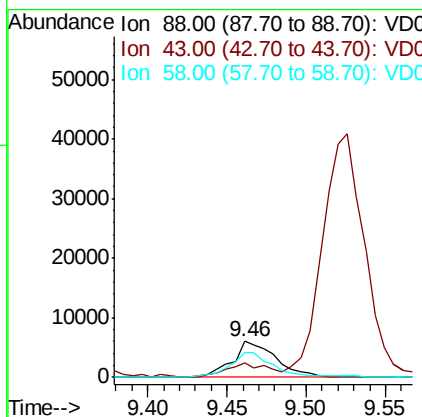
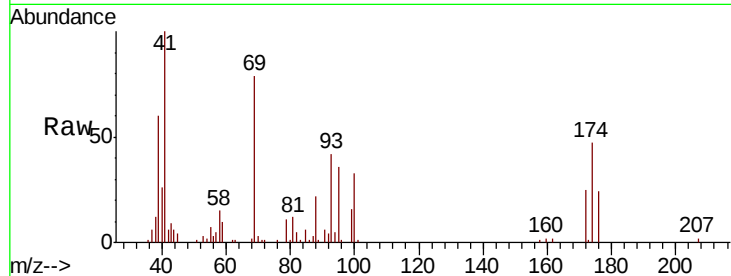
#49
1,4-Dioxane
Concen: 440.016 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VD064521.D
Acq: 16 Dec 2019 13:11

Instrument :
MSVOA_D
ClientSampleId :
VD1216SBS01

Tot Ion	88	Resp	11444
Ion Ratio	Lower	Upper	
88	100		
43	40.4	26.7	40.1#
58	70.9	52.3	78.5

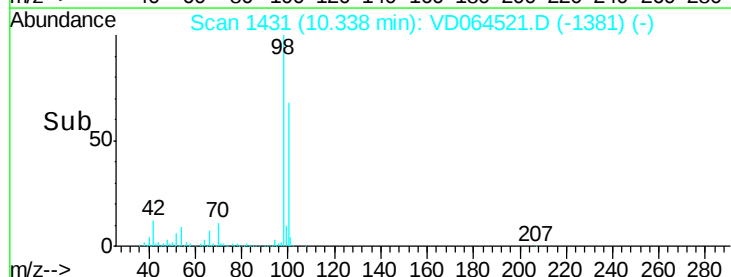
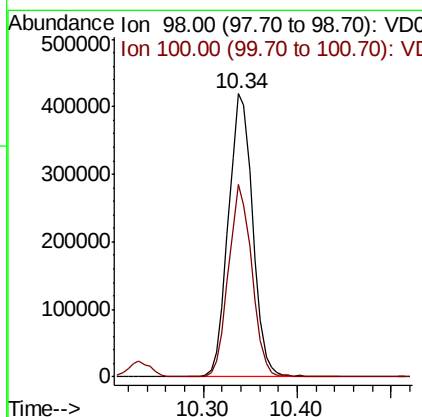
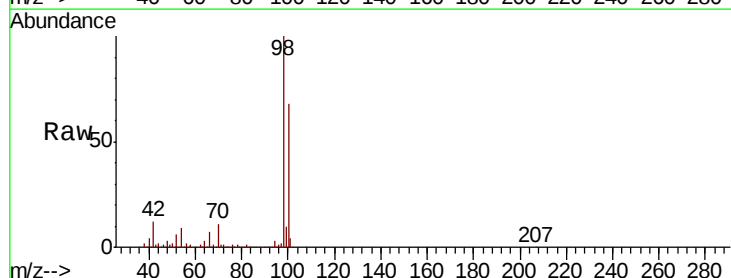
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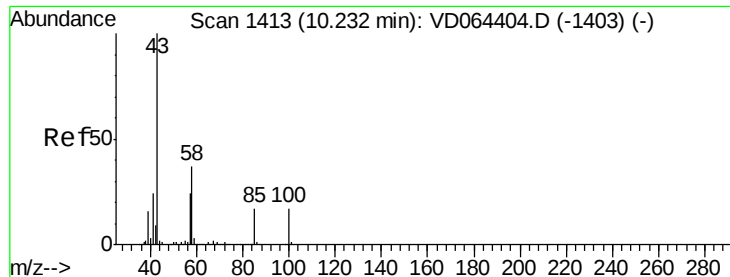
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#50
Toluene-d8
Concen: 53.574 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.01 min
Lab File: VD064521.D
Acq: 16 Dec 2019 13:11

Tgt Ion	98	Resp	755209
Ion Ratio	Lower	Upper	
98	100		
100	65.4	52.6	79.0





#51

4-Methyl-2-Pentanone

Concen: 108.722 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD064521.D

Acq: 16 Dec 2019 13:11

Instrument :

MSVOA_D

ClientSampleId :

VD1216SBS01

Tot Ion: 43 Resp: 252140

Ion Ratio Lower Upper

43 100

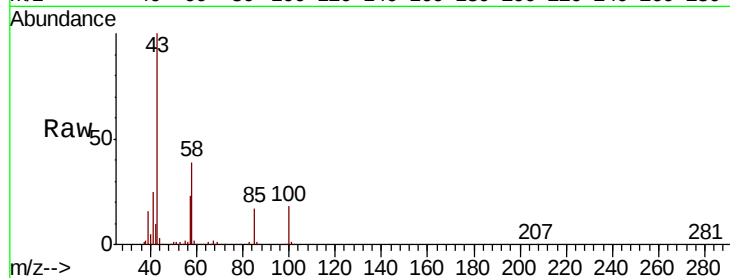
58 38.2 30.6 46.0

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

10.23

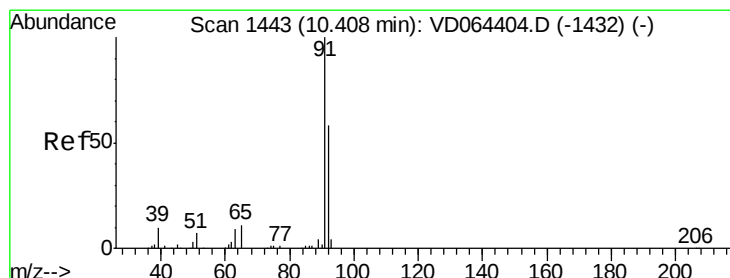
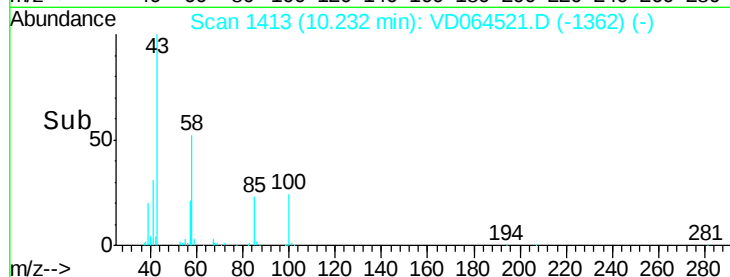
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 22.307 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.01 min

Lab File: VD064521.D

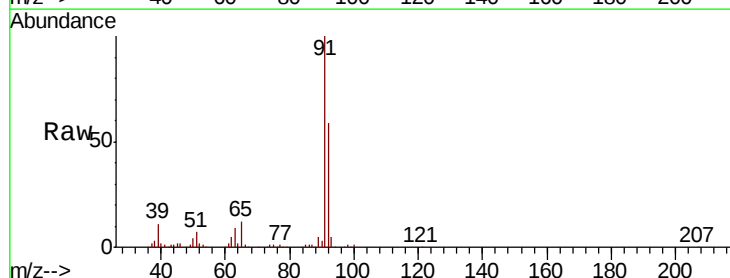
Acq: 16 Dec 2019 13:11

Tgt Ion: 92 Resp: 226843

Ion Ratio Lower Upper

92 100

91 170.2 137.8 206.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

250000

200000

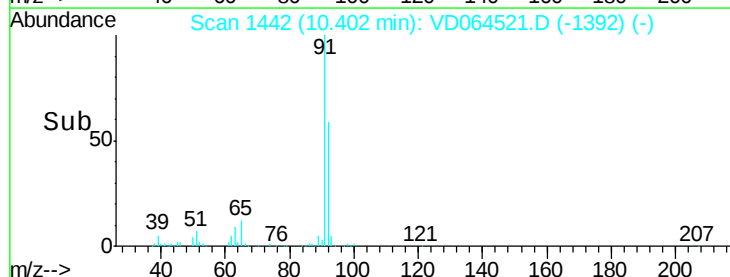
150000

100000

50000

0

Time-->





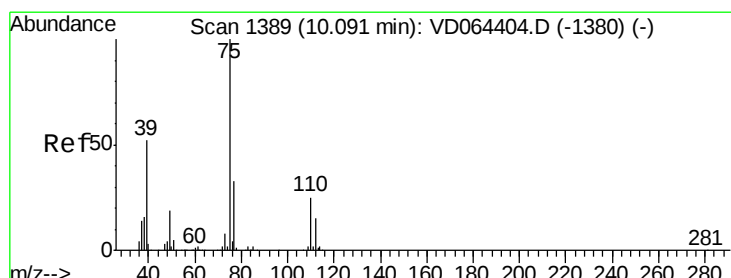
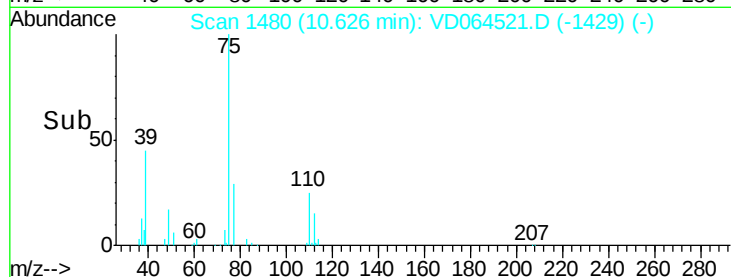
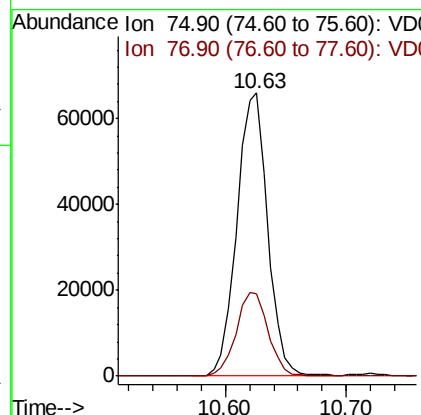
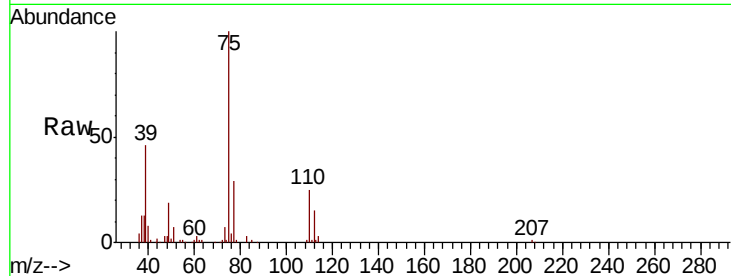
#53
t-1,3-Dichloropropene
Concen: 22.708 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VD064521.D
Acq: 16 Dec 2019 13:11

Instrument :
MSVOA_D
ClientSampleId :
VD1216SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	29.2	25.0	37.4

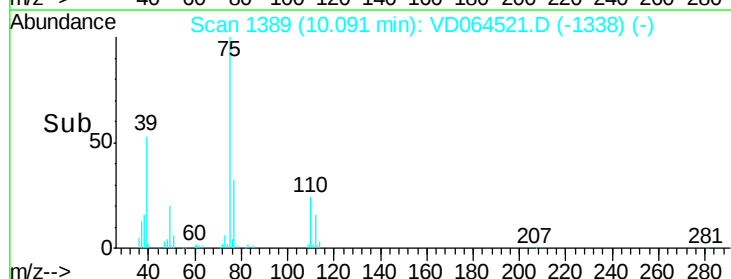
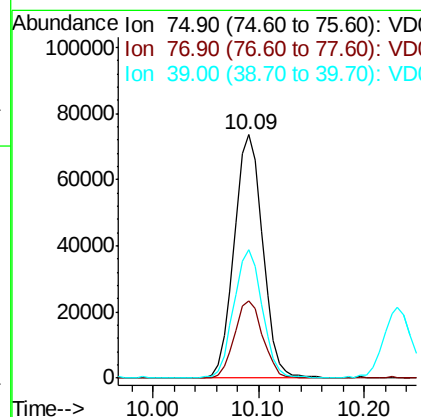
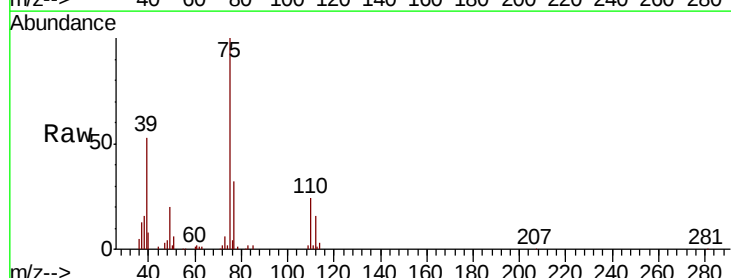
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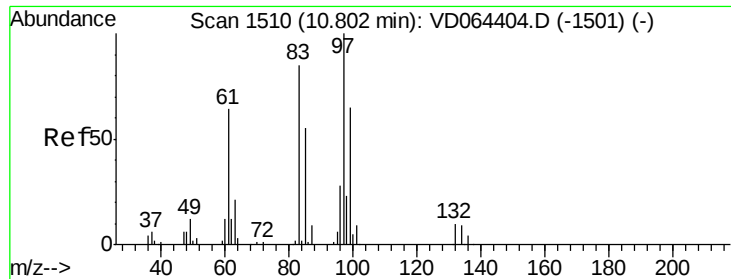
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#54
cis-1,3-Dichloropropene
Concen: 22.399 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VD064521.D
Acq: 16 Dec 2019 13:11

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.8	26.1	39.1
39	52.6	41.5	62.3





#55

1,1,2-Trichloroethane

Concen: 21.632 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VD064521.D

Acq: 16 Dec 2019 13:11

Instrument :

MSVOA_D

ClientSampleId :

VD1216SBS01

Tot Ion: 97 Resp: 62385

Ion Ratio Lower Upper

97 100

83 85.8 67.8 101.8

85 54.6 43.7 65.5

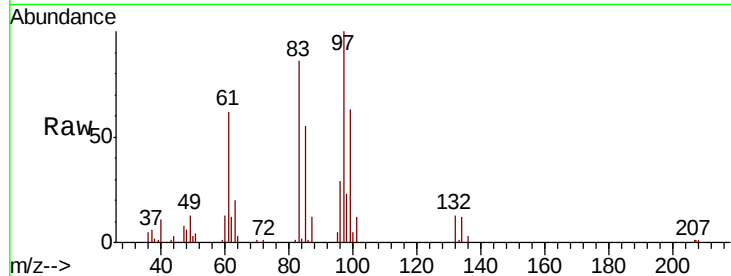
99 63.3 51.7 77.5

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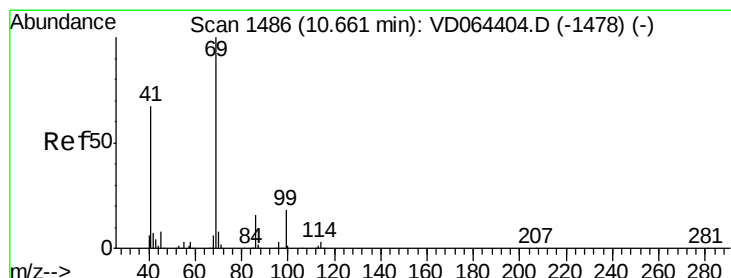
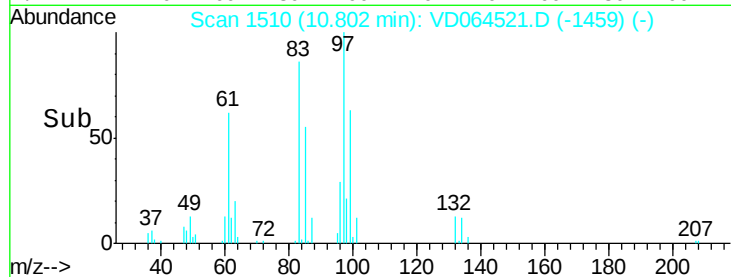
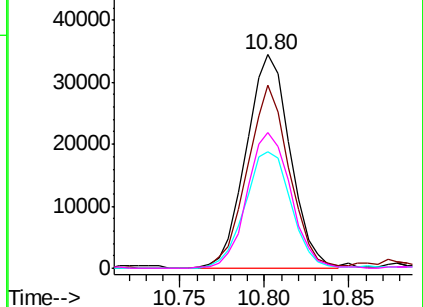


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 21.395 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. -0.00 min

Lab File: VD064521.D

Acq: 16 Dec 2019 13:11

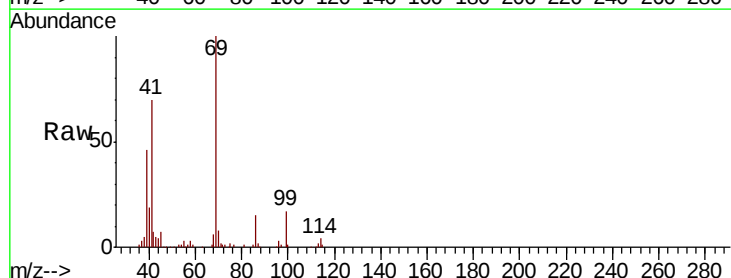
Tgt Ion: 69 Resp: 78697

Ion Ratio Lower Upper

69 100

41 69.5 55.0 82.4

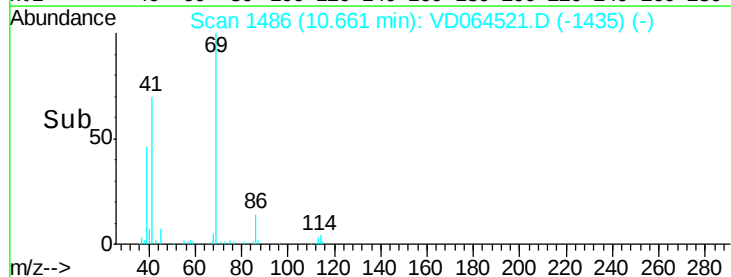
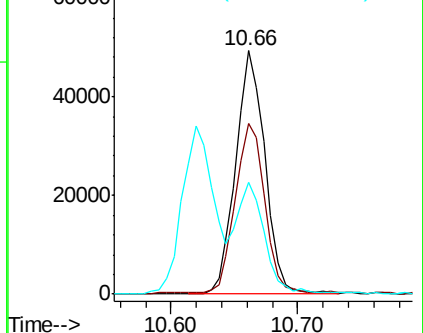
39 45.6 33.0 49.6

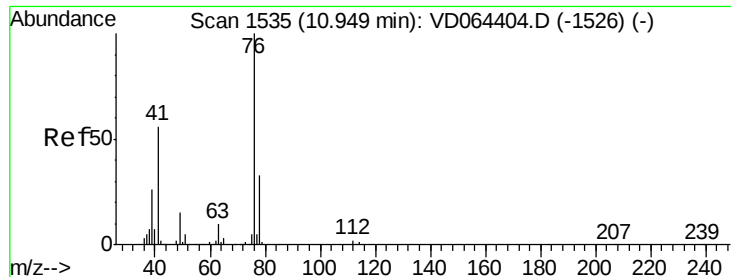


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 22.259 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD064521.D

Acq: 16 Dec 2019 13:11

Instrument :

MSVOA_D

ClientSampleId :

VD1216SBS01

Tot Ion: 76 Resp: 109277

Ion Ratio Lower Upper

76 100

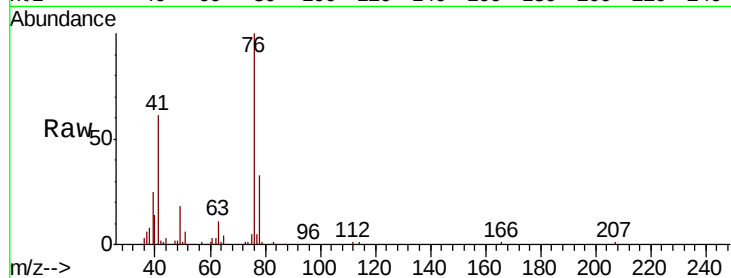
78 32.2 26.0 39.0

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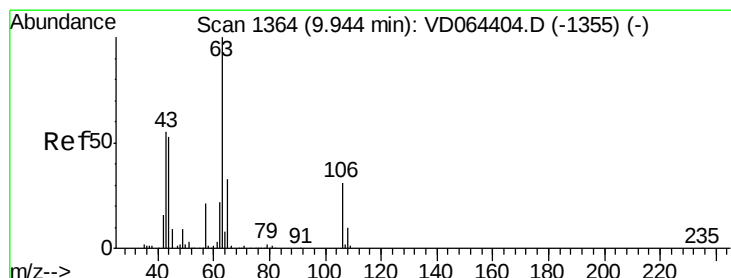
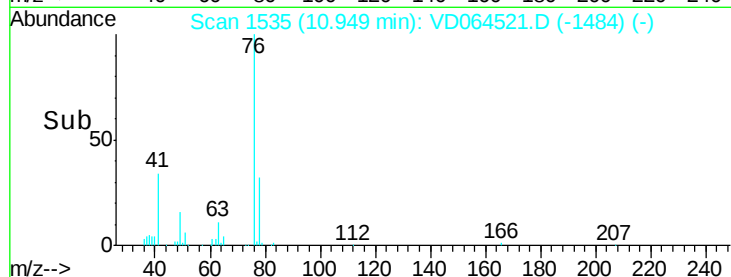
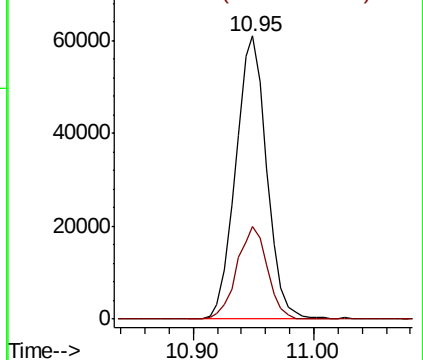
apatel

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 113.169 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VD064521.D

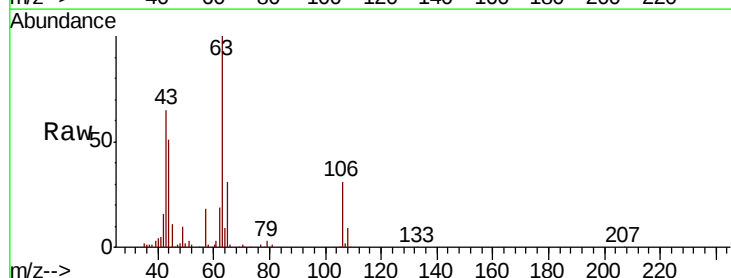
Acq: 16 Dec 2019 13:11

Tgt Ion: 63 Resp: 165942

Ion Ratio Lower Upper

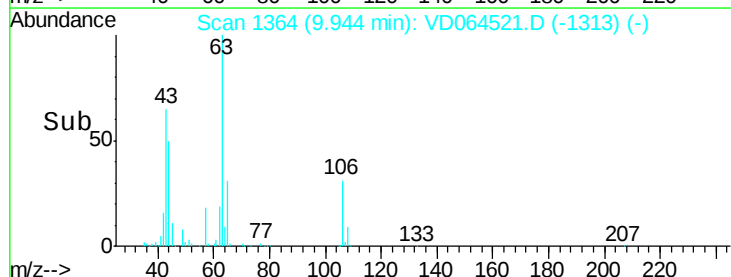
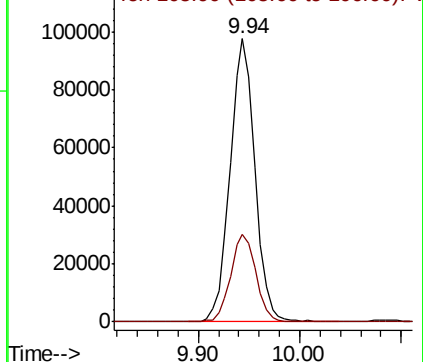
63 100

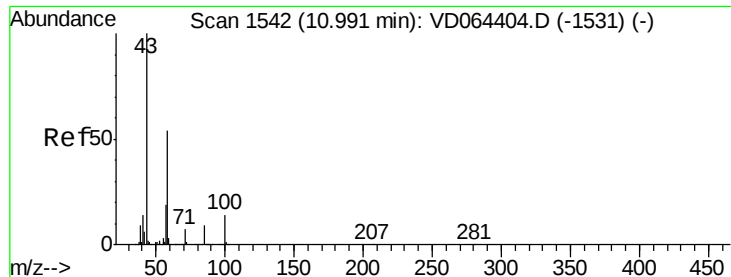
106 31.6 24.2 36.4



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V





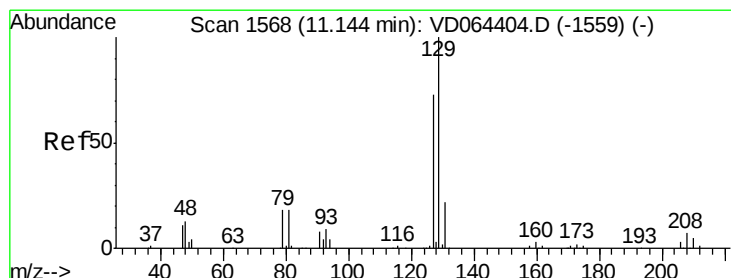
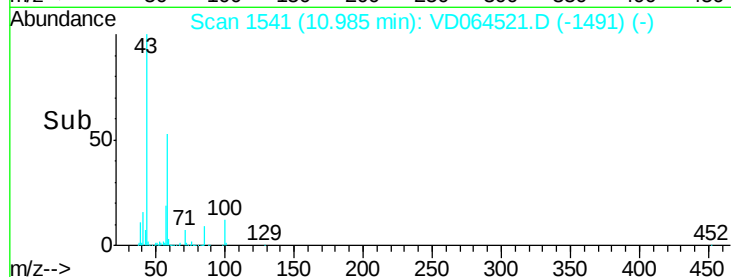
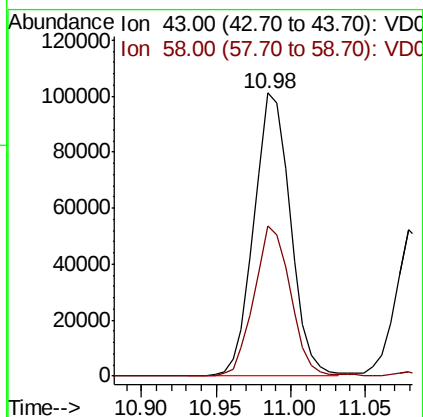
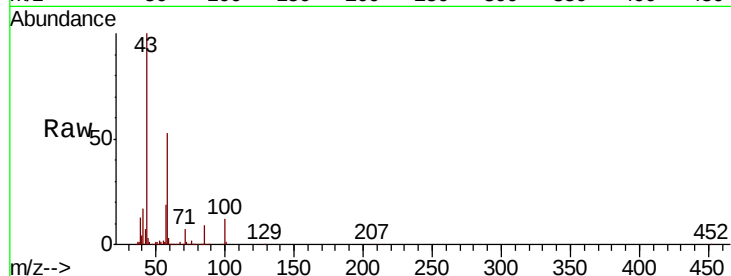
#59
2-Hexanone
Concen: 106.569 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD064521.D
Acq: 16 Dec 2019 13:11

Instrument :
MSVOA_D
ClientSampleId :
VD1216SBSD01

Tot Ion: 43 Resp: 171492
Ion Ratio Lower Upper
43 100
58 52.9 26.3 78.8

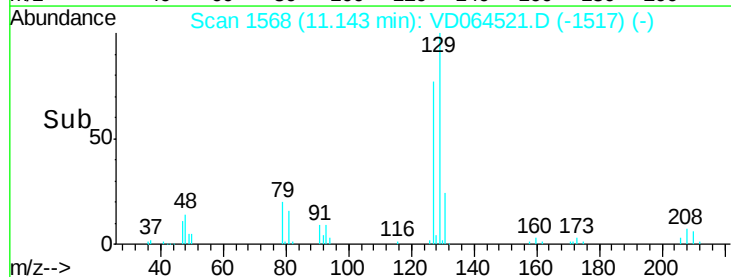
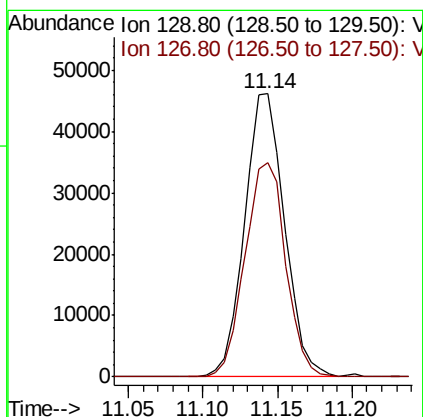
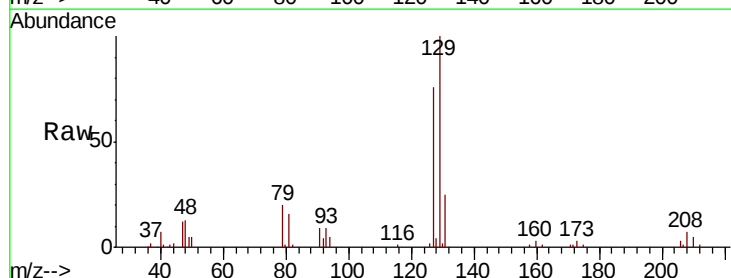
Manual Integrations
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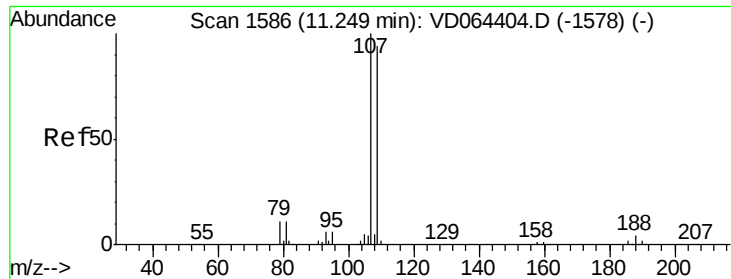
apatel
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#60
Dibromochloromethane
Concen: 21.798 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD064521.D
Acq: 16 Dec 2019 13:11

Tgt Ion:129 Resp: 85235
Ion Ratio Lower Upper
129 100
127 77.2 38.1 114.3





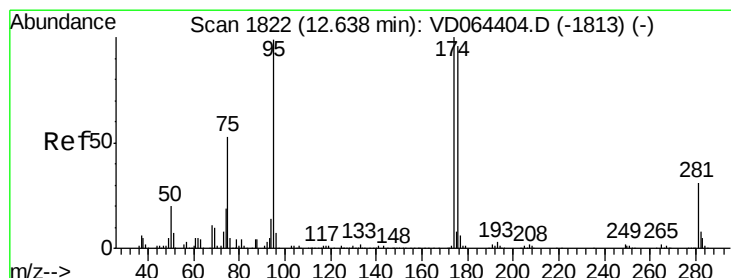
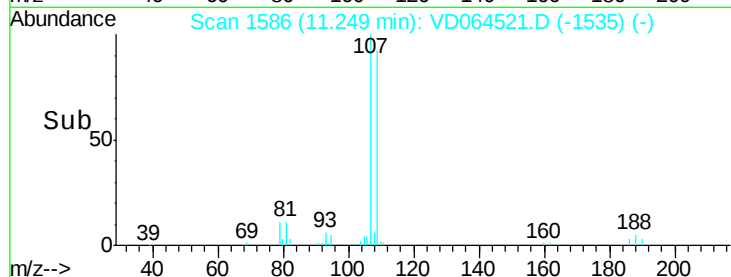
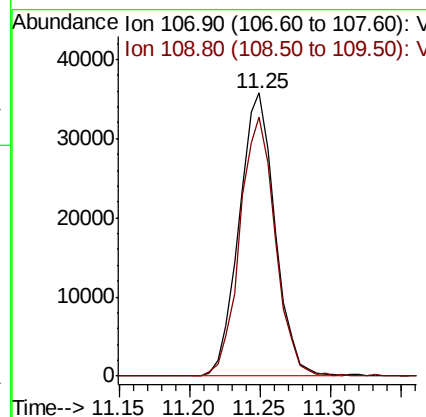
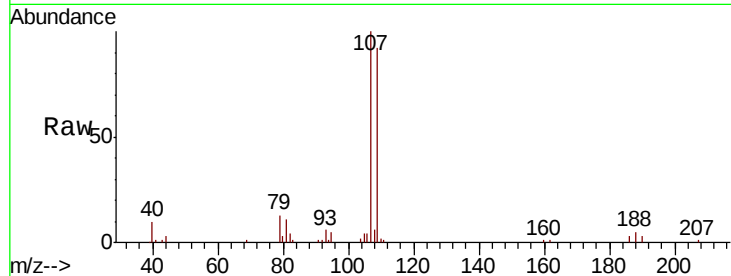
#61
 1,2-Dibromoethane
 Concen: 22.044 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD064521.D
 Acq: 16 Dec 2019 13:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1216SBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	90.3	76.2	114.2

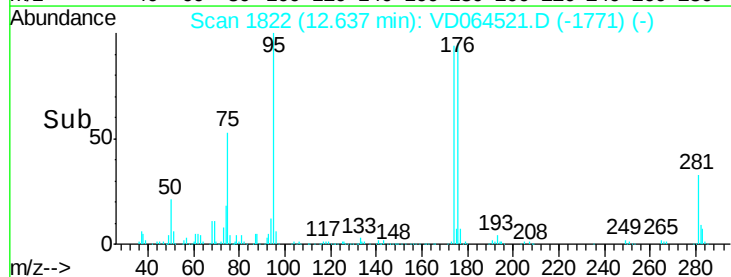
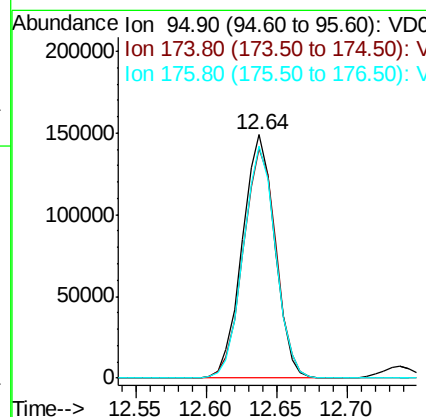
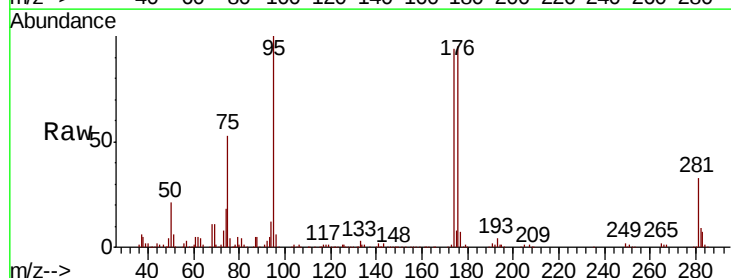
Manual Integrations
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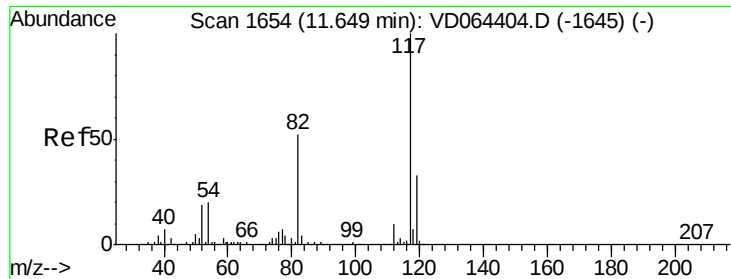
apatel
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#62
 4-Bromofluorobenzene
 Concen: 53.248 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD064521.D
 Acq: 16 Dec 2019 13:11

Tgt Ion	Ratio	Lower	Upper
95	100		
174	95.4	0.0	197.2
176	94.3	0.0	189.6





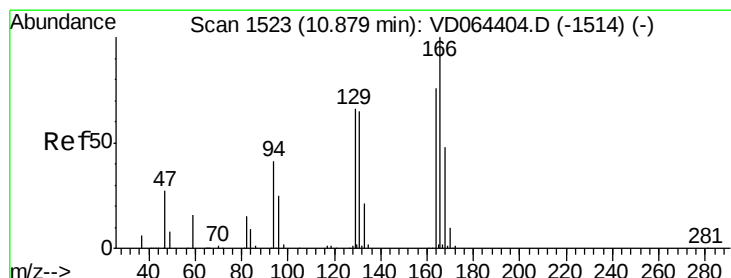
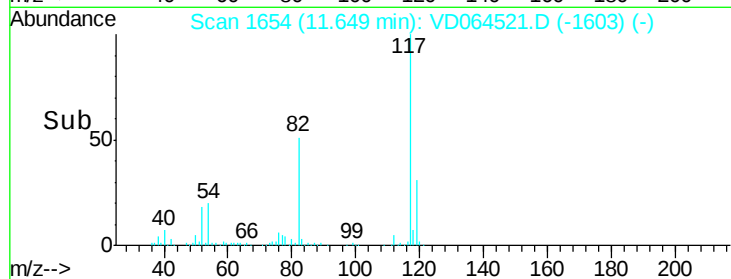
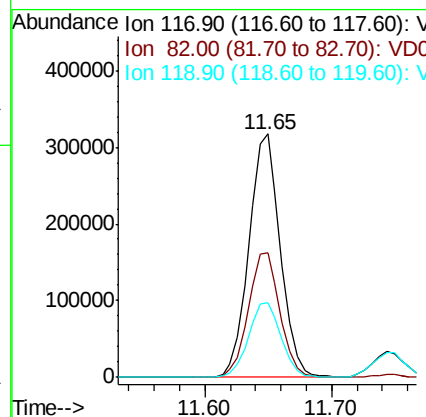
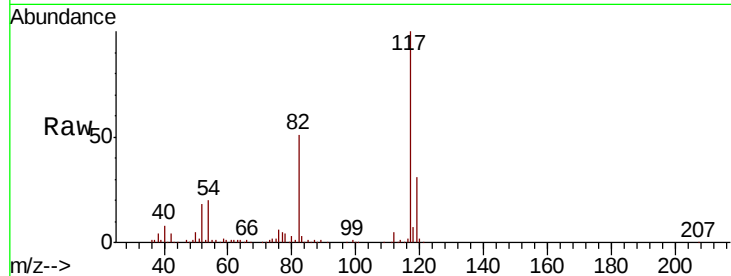
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064521.D
Acq: 16 Dec 2019 13:11

Instrument :
MSVOA_D
ClientSampleId :
VD1216SBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.2	41.4	62.2
119	30.6	26.2	39.2

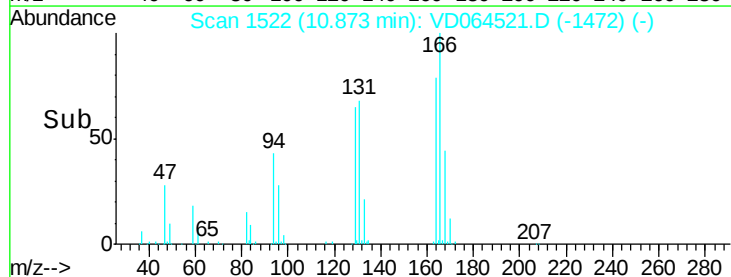
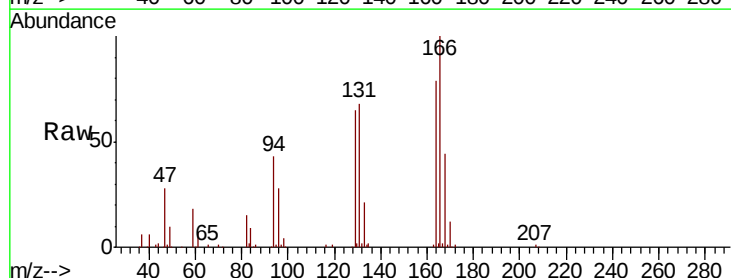
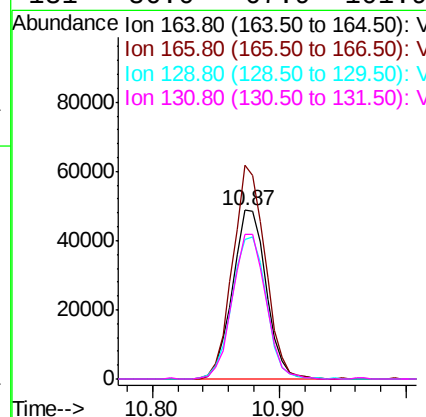
Manual Integrations
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#64
Tetrachloroethene
Concen: 21.546 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.01 min
Lab File: VD064521.D
Acq: 16 Dec 2019 13:11

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.5	104.8	157.2
129	82.8	68.7	103.1
131	86.0	67.9	101.9





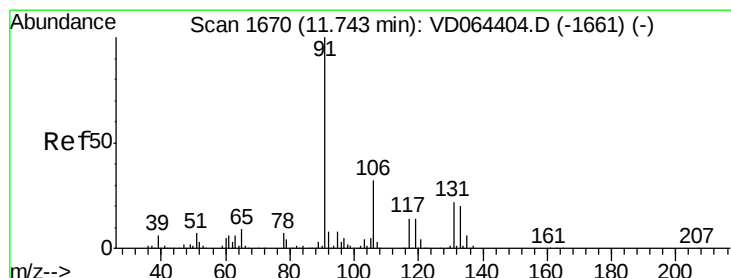
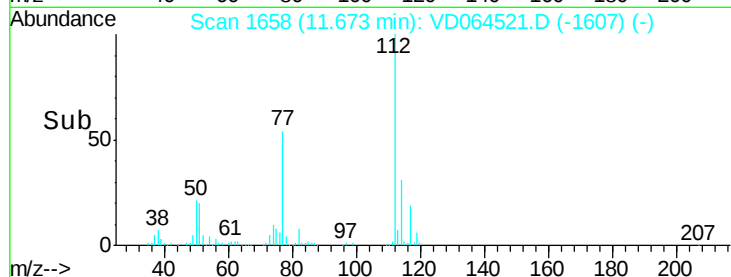
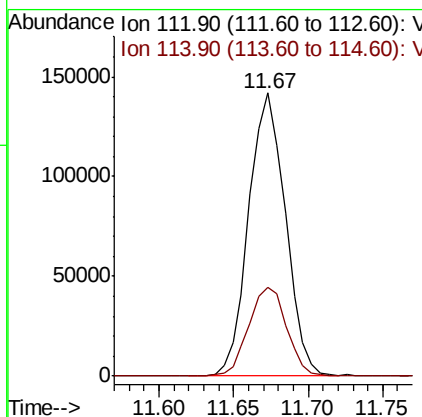
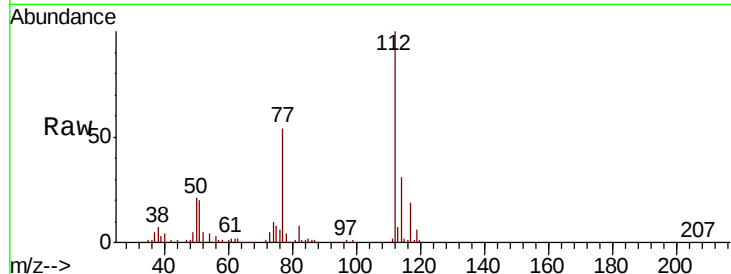
#65
Chlorobenzene
Concen: 21.268 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD064521.D
Acq: 16 Dec 2019 13:11

Instrument :
MSVOA_D
ClientSampleId :
VD1216SBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.4	26.5	39.7

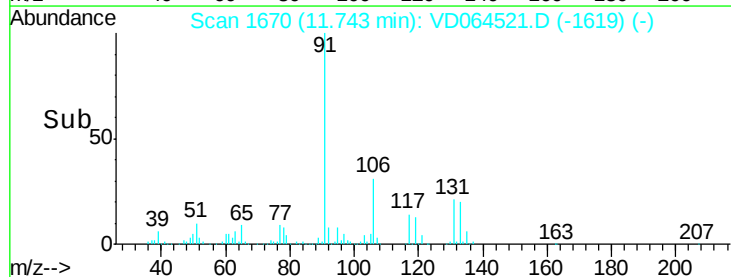
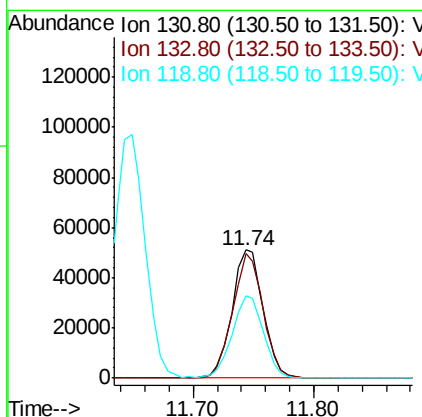
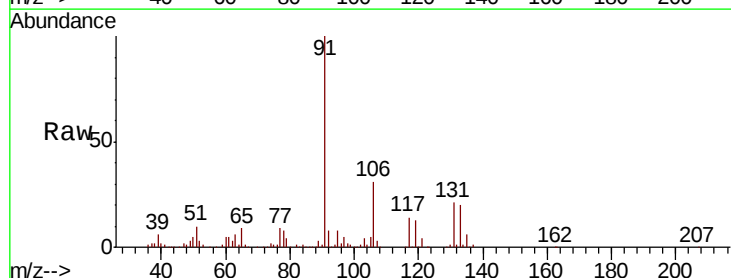
Manual Integrations
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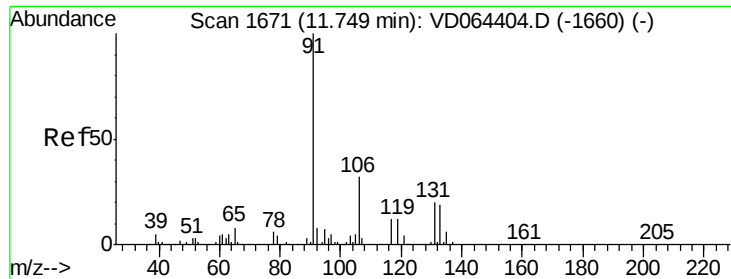
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.823 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD064521.D
Acq: 16 Dec 2019 13:11

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.1	48.3	144.9
119	64.6	31.9	95.9





#67

Ethyl Benzene

Concen: 21.119 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD064521.D

Acq: 16 Dec 2019 13:11

Instrument :

MSVOA_D

ClientSampleId :

VD1216SBS01

Tot Ion: 91 Resp: 426437

Ion Ratio Lower Upper

91 100

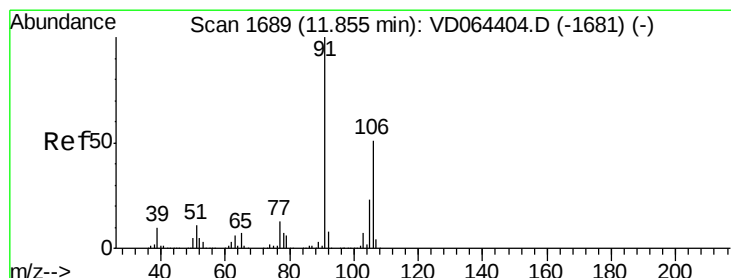
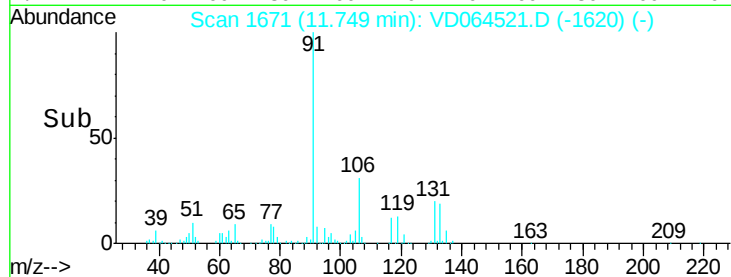
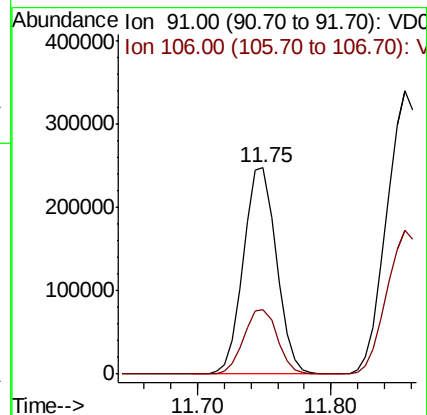
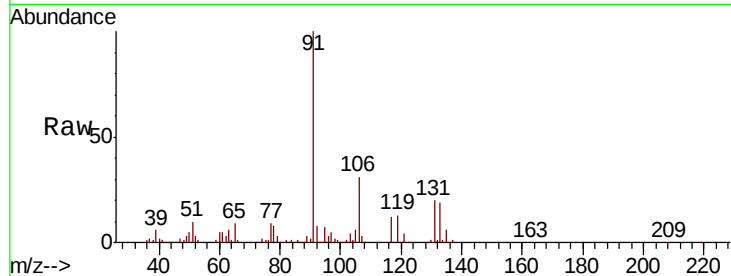
106 31.4 25.8 38.8

Manual Integrations

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#68

m/p-Xylenes

Concen: 42.833 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD064521.D

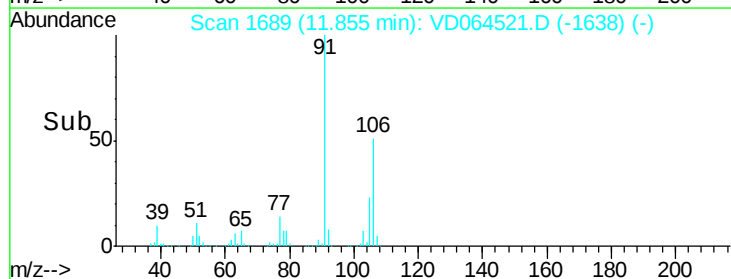
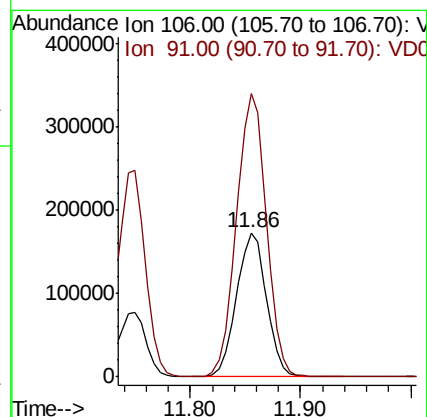
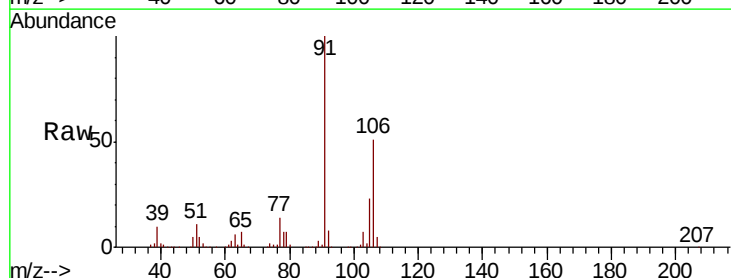
Acq: 16 Dec 2019 13:11

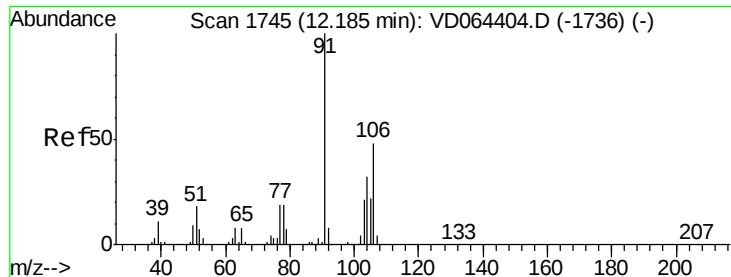
Tgt Ion: 106 Resp: 329768

Ion Ratio Lower Upper

106 100

91 196.8 157.4 236.2





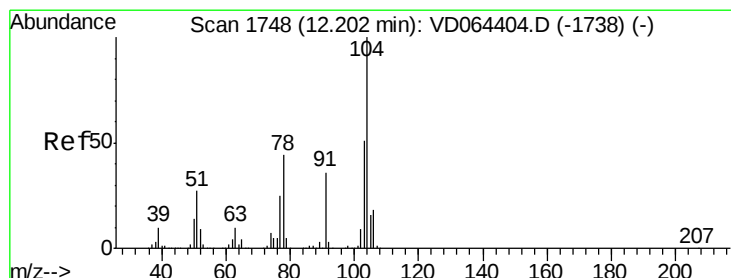
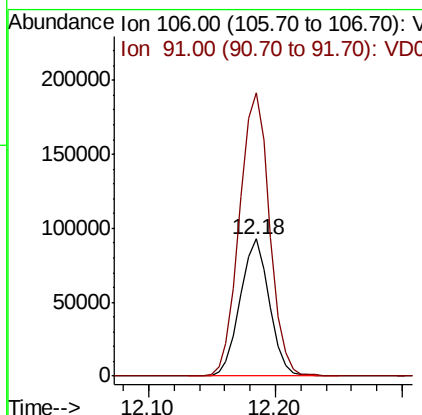
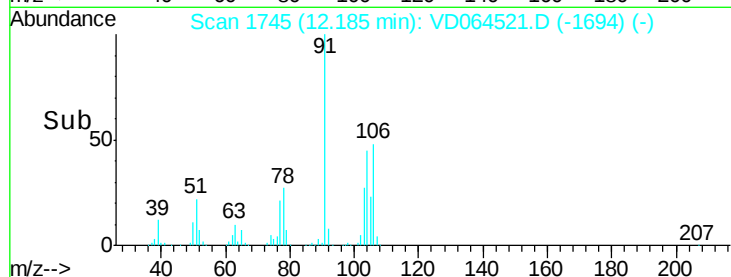
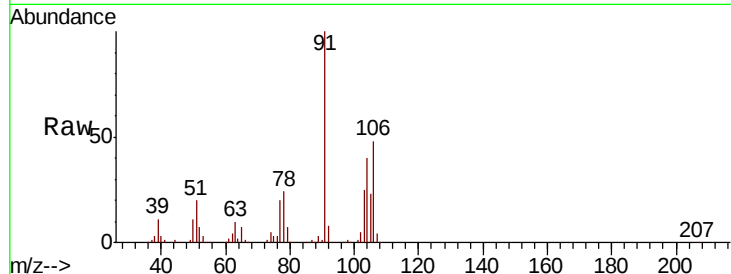
#69
o-Xylene
Concen: 20.901 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD064521.D
Acq: 16 Dec 2019 13:11

Instrument :
MSVOA_D
ClientSampleId :
VD1216SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		148614		
91	212.7	103.8	311.4		

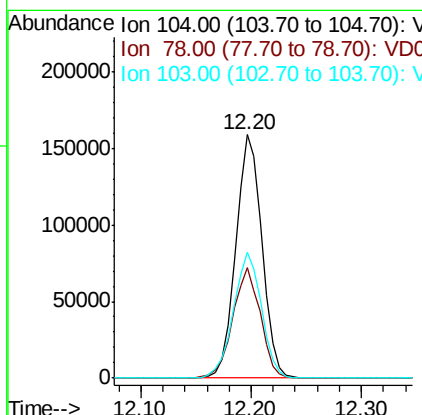
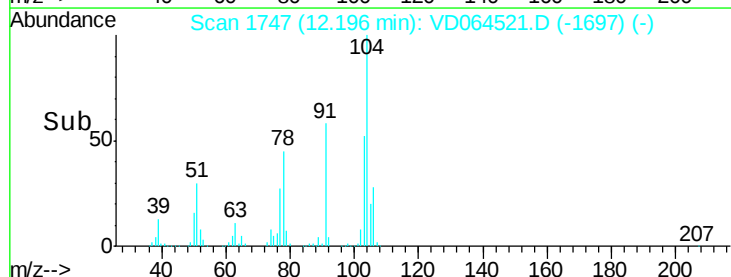
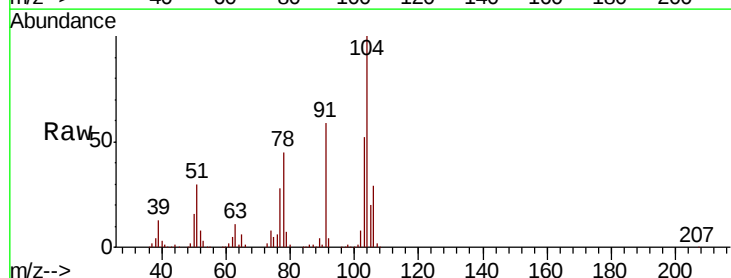
Manual Integrations
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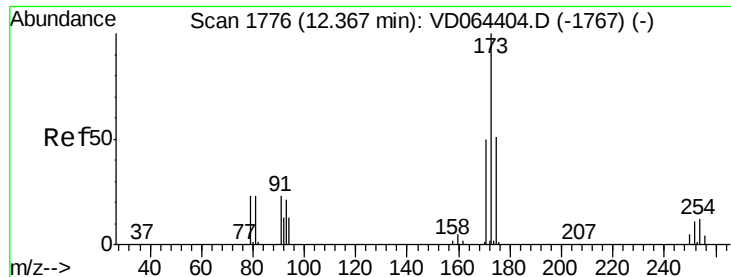
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#70
Styrene
Concen: 21.425 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD064521.D
Acq: 16 Dec 2019 13:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		264734		
78	47.7	38.8	58.2		
103	55.6	44.2	66.4		





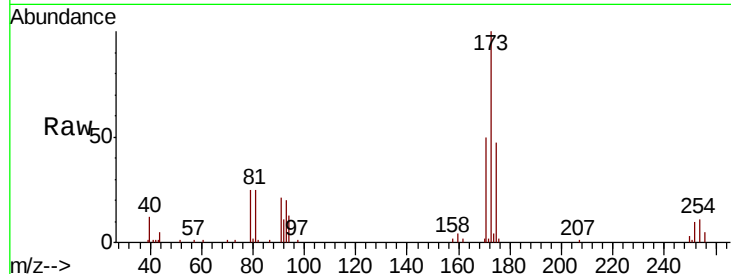
#71
Bromoform
Concen: 21.205 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. -0.01 min
Lab File: VD064521.D
Acq: 16 Dec 2019 13:11

Instrument :
MSVOA_D
ClientSampleId :
VD1216SBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.2	25.3	75.8
254	0.0	0.0	0.0

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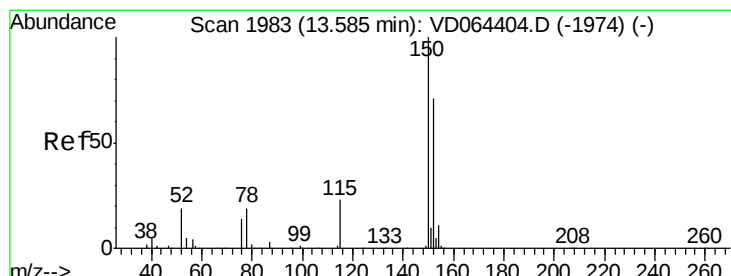
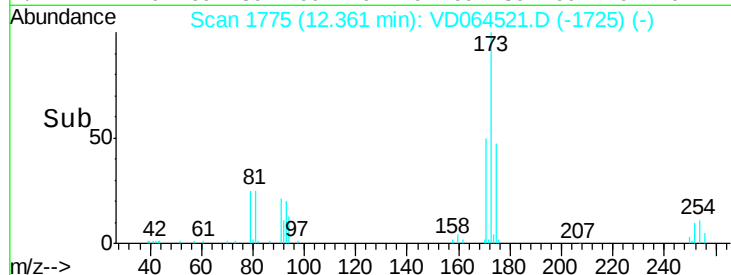
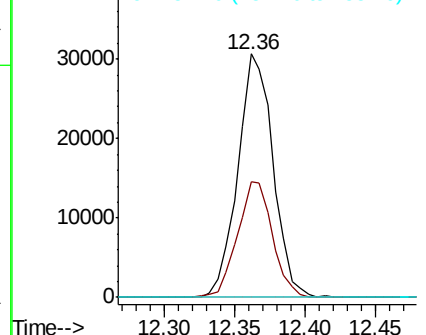


Abundance

Ion 172.70 (172.40 to 173.40): V

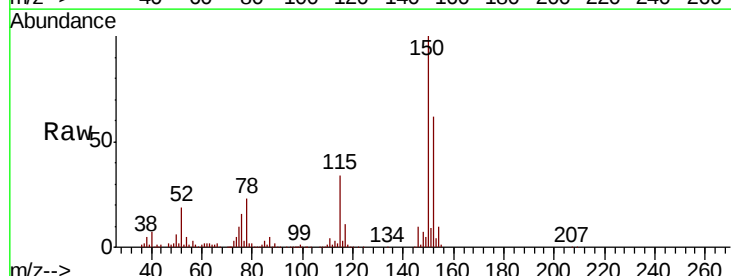
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD064521.D
Acq: 16 Dec 2019 13:11

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.6	26.7	80.1
150	163.4	0.0	347.2

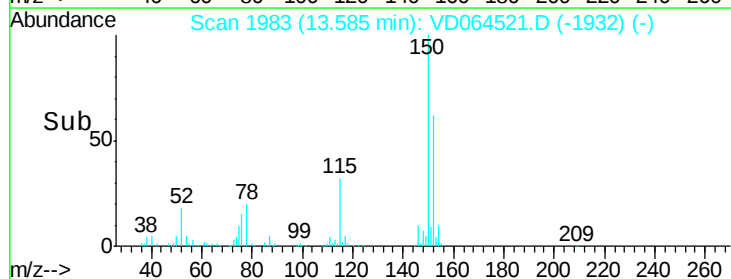
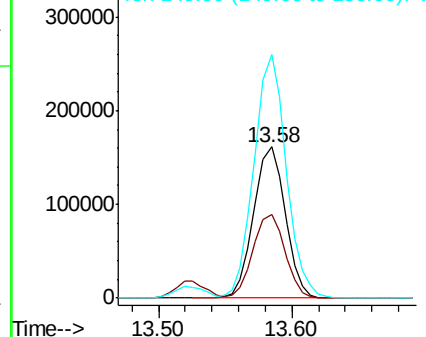


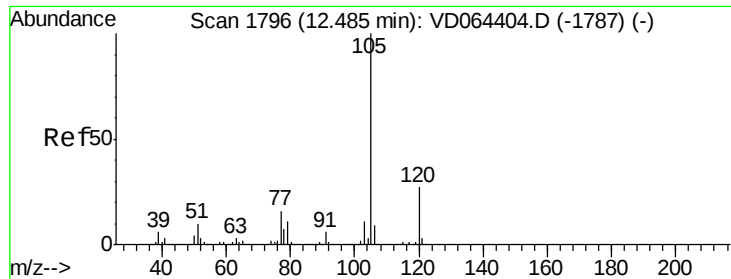
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.640 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD064521.D

Acq: 16 Dec 2019 13:11

Instrument :

MSVOA_D

ClientSampleId :

VD1216SBS01

Tot Ion:105 Resp: 412389

Ion Ratio Lower Upper

105 100

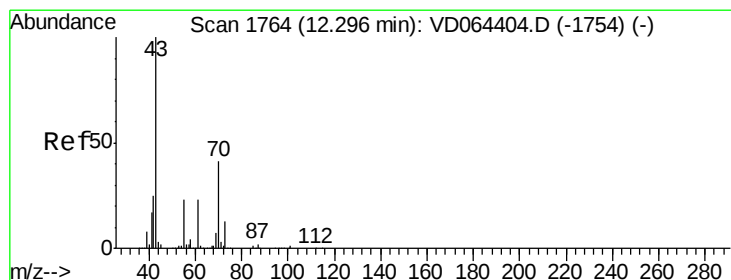
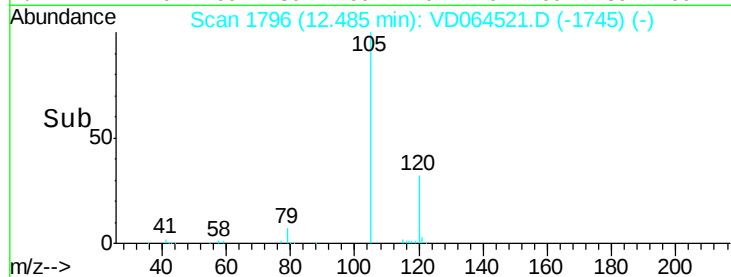
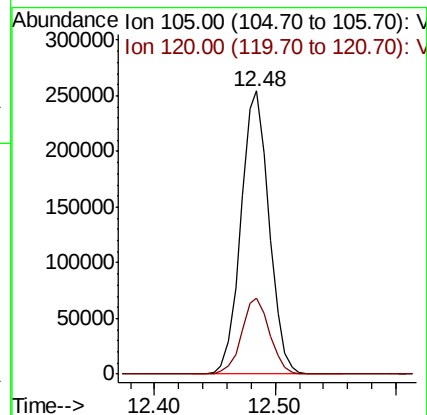
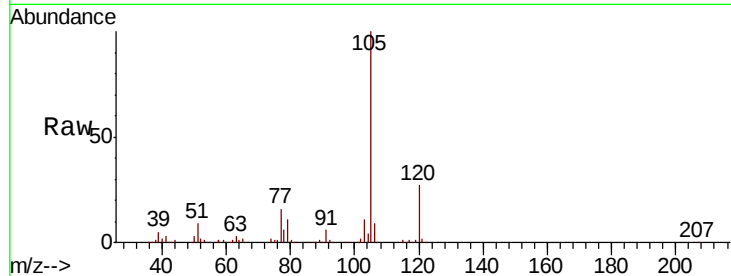
120 27.0 13.4 40.2

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#74

N-ethyl acetate

Concen: 20.712 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD064521.D

Acq: 16 Dec 2019 13:11

Tgt Ion: 43 Resp: 89586

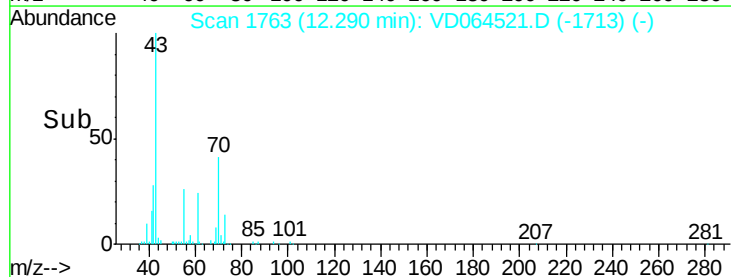
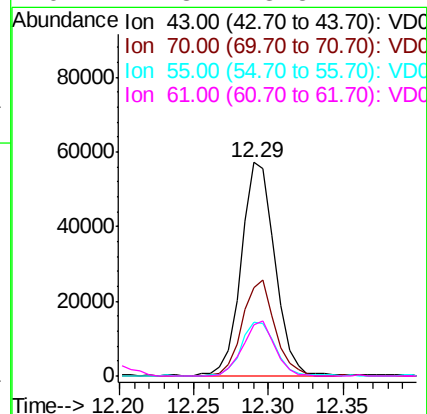
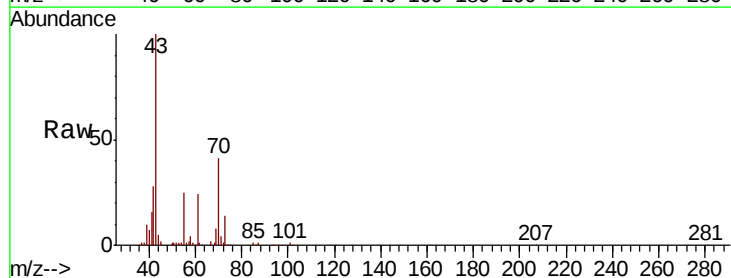
Ion Ratio Lower Upper

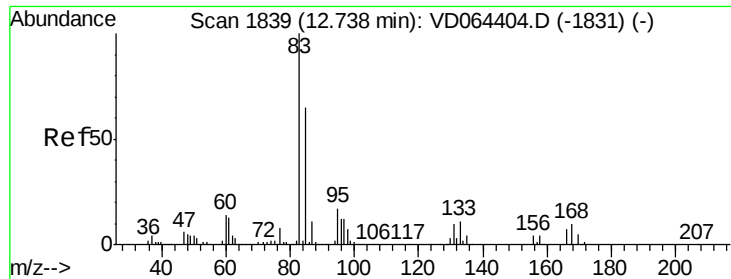
43 100

70 43.1 33.4 50.2

55 25.8 18.9 28.3

61 24.3 18.5 27.7





#75

1,1,2,2-Tetrachloroethane

Concen: 21.312 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD064521.D

Acq: 16 Dec 2019 13:11

Instrument :

MSVOA_D

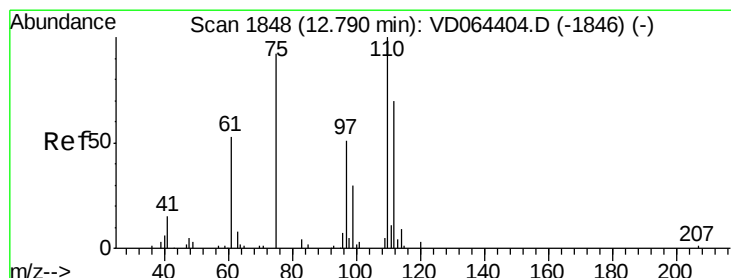
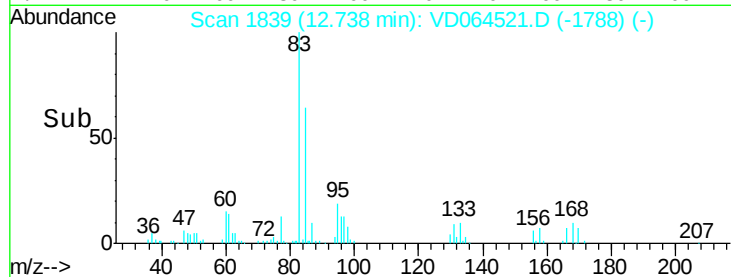
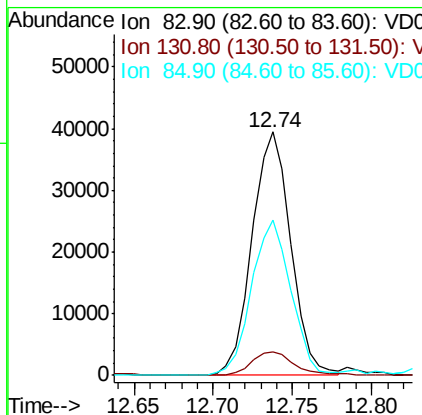
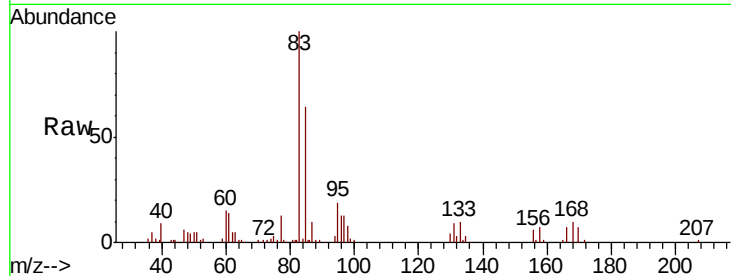
ClientSampleId :

VD1216SBS01

Tot Ion:	83	Resp:	67164
Ion	Ratio	Lower	Upper
83	100		
131	10.6	5.7	17.0
85	64.7	31.3	93.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 23.468 ug/l m

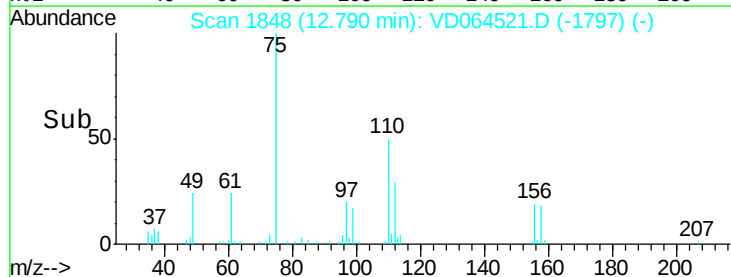
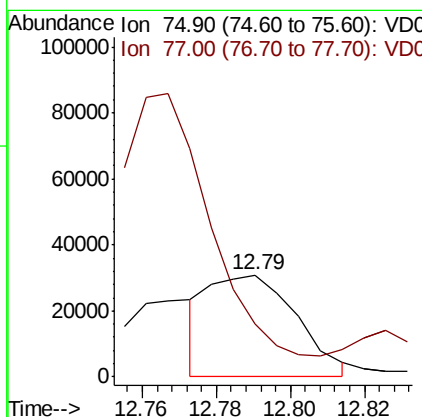
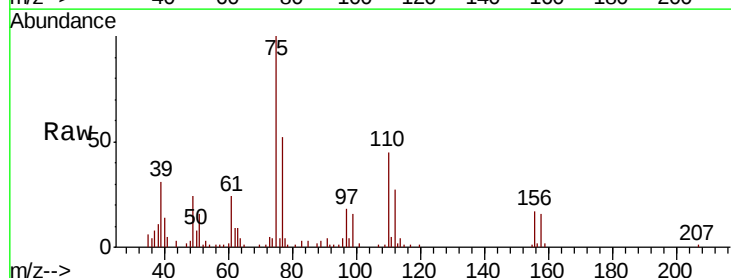
RT: 12.79 min Scan# 1848

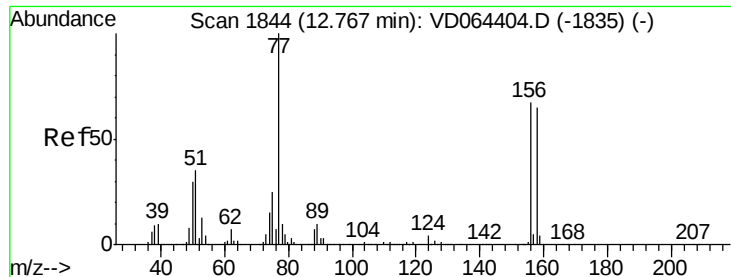
Delta R.T. -0.00 min

Lab File: VD064521.D

Acq: 16 Dec 2019 13:11

Tgt Ion:	75	Resp:	51137
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.663 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.01 min

Lab File: VD064521.D

Acq: 16 Dec 2019 13:11

Instrument :

MSVOA_D

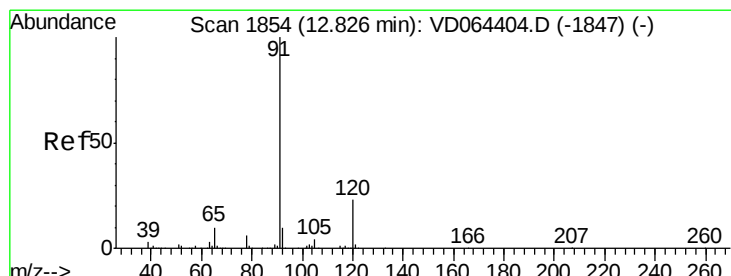
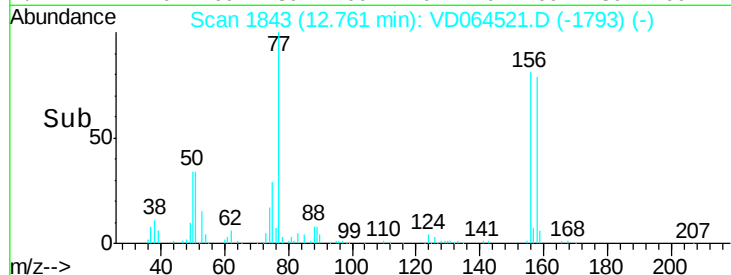
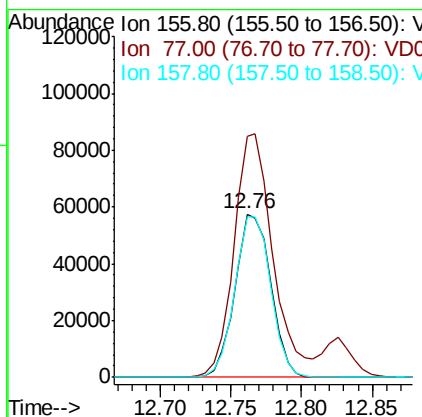
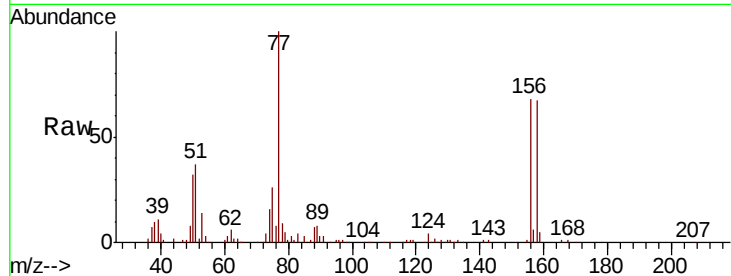
ClientSampleId :

VD1216SBS01

Tot Ion:	156	Resp:	101945
Ion Ratio	Lower	Upper	
156	100		
77	162.0	80.0	240.2
158	98.6	48.9	146.6

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#78

n-propylbenzene

Concen: 21.887 ug/l

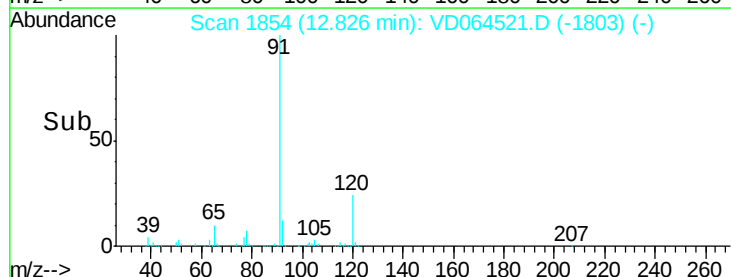
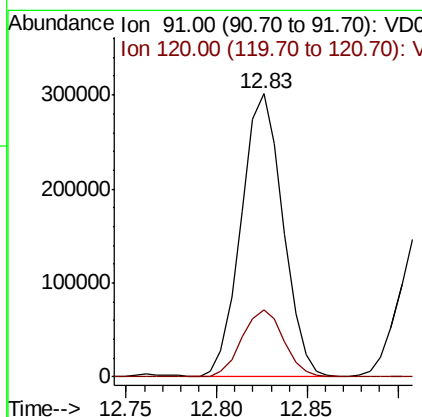
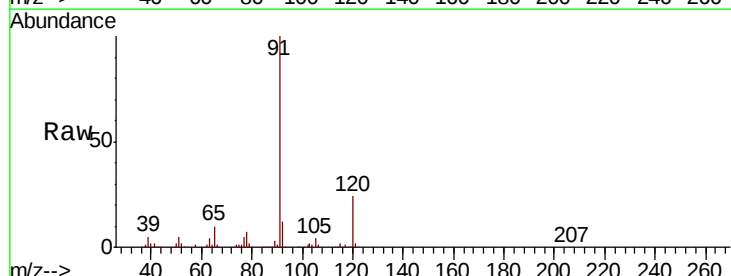
RT: 12.83 min Scan# 1854

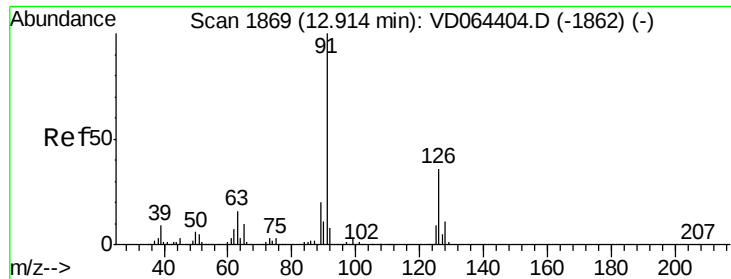
Delta R.T. -0.00 min

Lab File: VD064521.D

Acq: 16 Dec 2019 13:11

Tgt Ion:	91	Resp:	481257
Ion Ratio	Lower	Upper	
91	100		
120	23.8	11.9	35.9





#79

2-Chlorotoluene

Concen: 21.776 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD064521.D

Acq: 16 Dec 2019 13:11

Instrument :

MSVOA_D

ClientSampleId :

VD1216SBS01

Tot Ion: 91 Resp: 263459

Ion Ratio Lower Upper

91 100

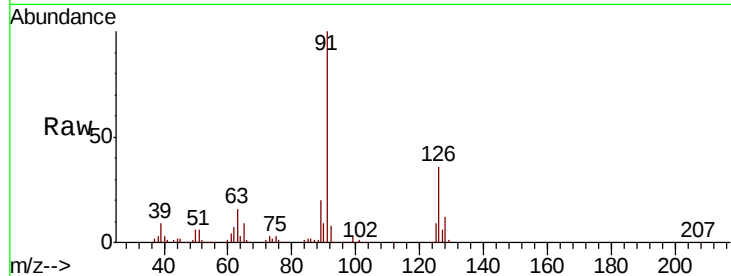
126 36.4 18.0 54.0

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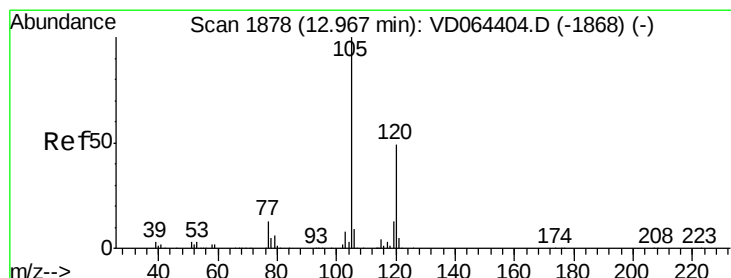
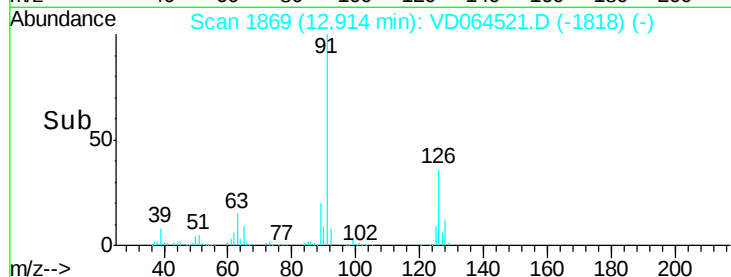
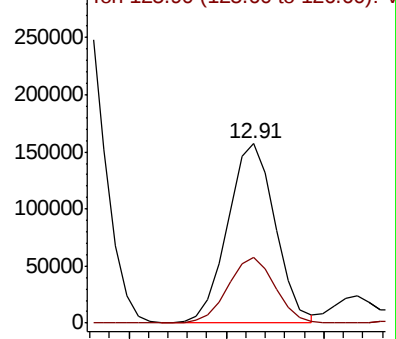
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Abundance Ion 91.00 (90.70 to 91.70): VD064404.D (-1862) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.452 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD064521.D

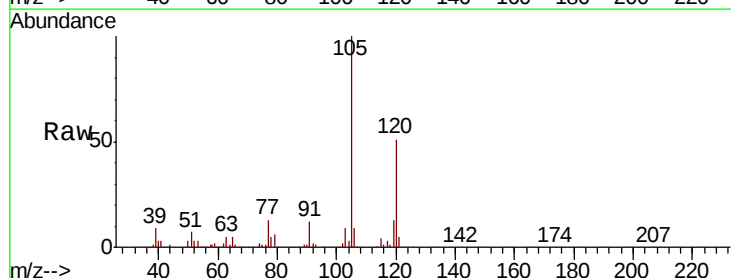
Acq: 16 Dec 2019 13:11

Tgt Ion: 105 Resp: 334075

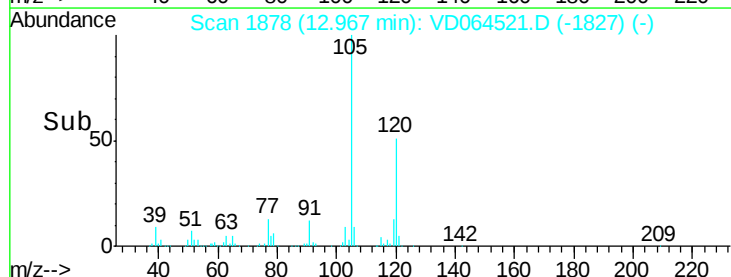
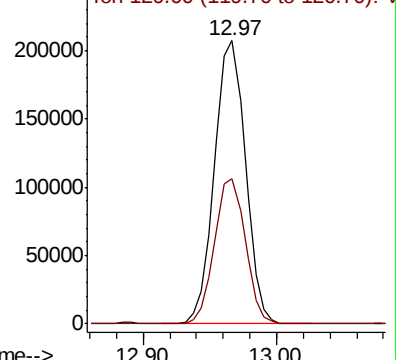
Ion Ratio Lower Upper

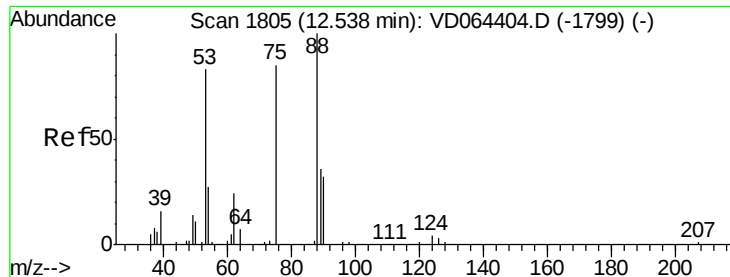
105 100

120 51.1 25.1 75.3



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





#81

trans-1,4-Dichloro-2-butene

Concen: 23.344 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD064521.D

Acq: 16 Dec 2019 13:11

Instrument :

MSVOA_D

ClientSampleId :

VD1216SBS01

Tot Ion: 75 Resp: 23328

Ion Ratio Lower Upper

75 100

53 90.5 81.0 121.6

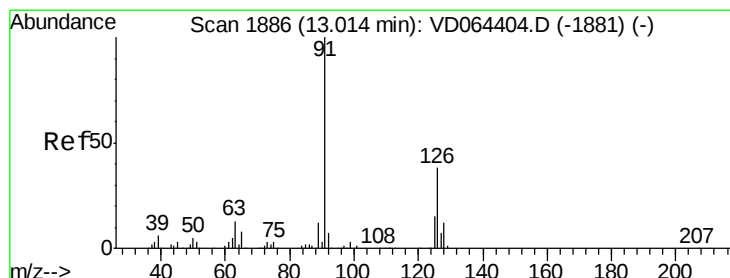
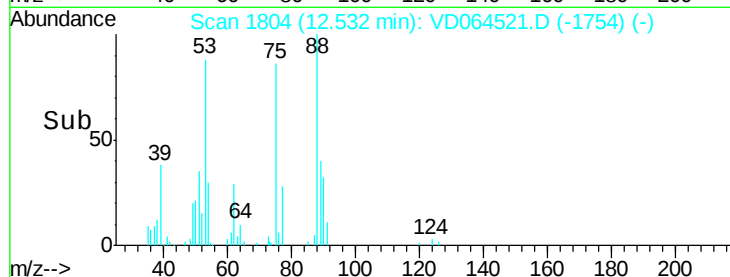
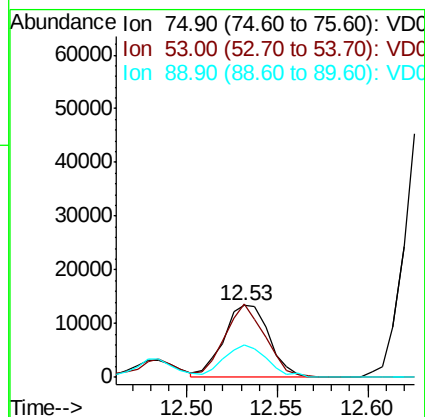
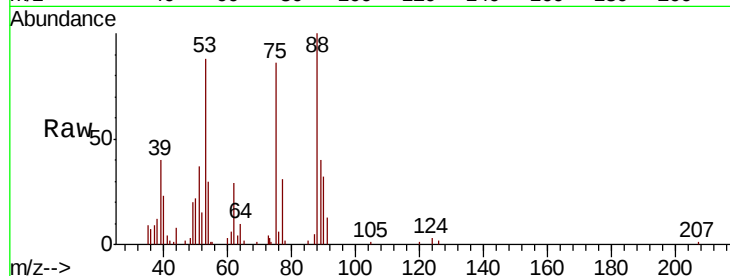
89 42.7 38.5 57.7

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#82

4-Chlorotoluene

Concen: 21.746 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VD064521.D

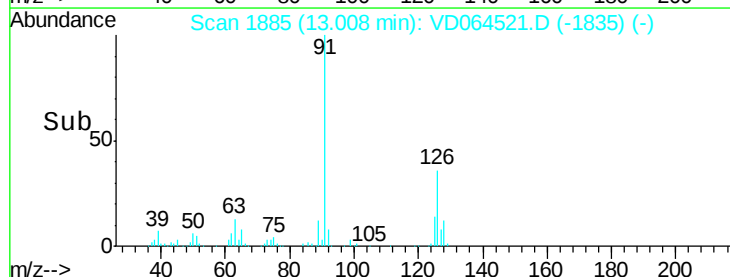
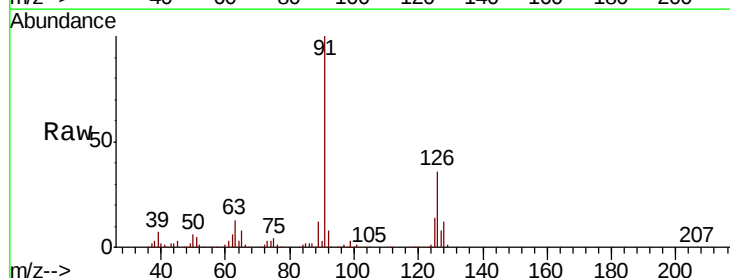
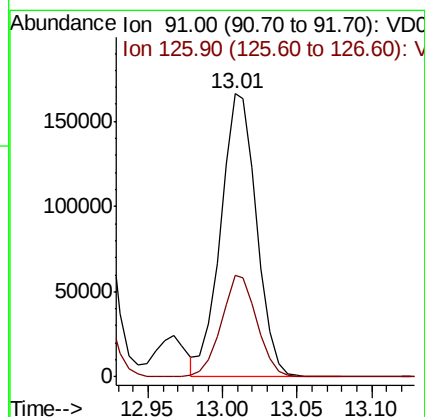
Acq: 16 Dec 2019 13:11

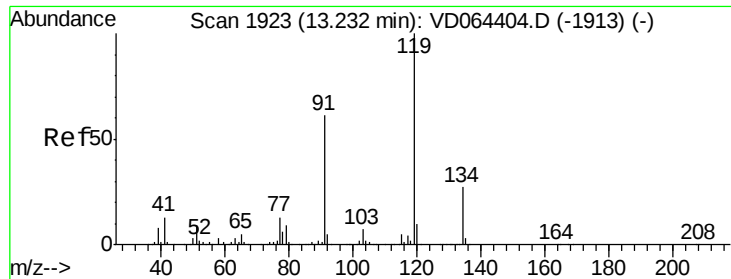
Tgt Ion: 91 Resp: 278569

Ion Ratio Lower Upper

91 100

126 35.7 18.2 54.6





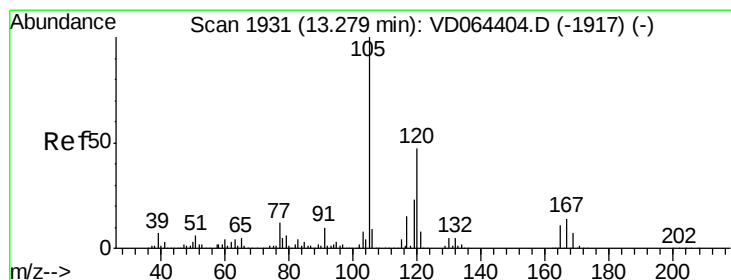
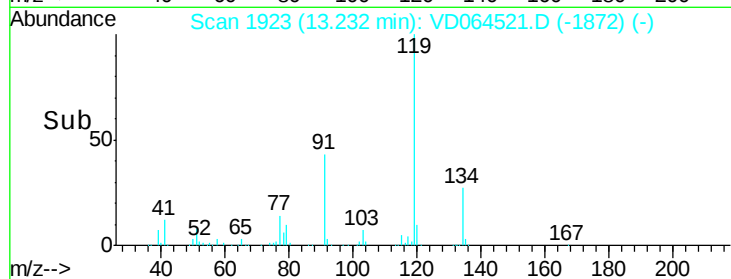
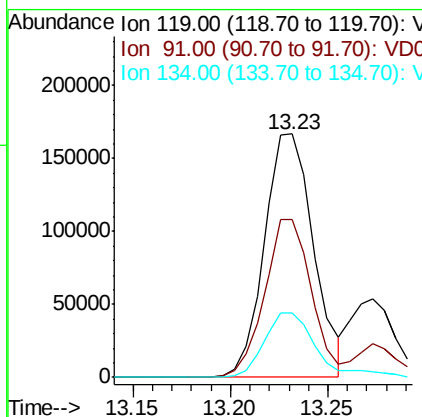
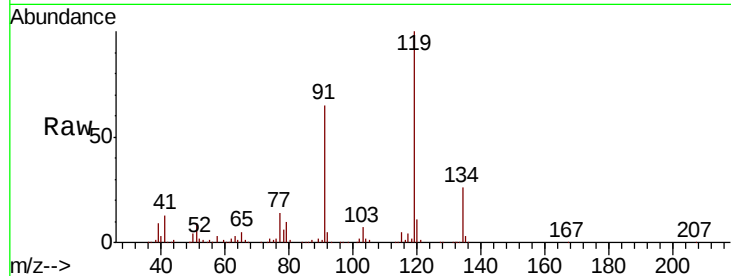
#83
tert-Butylbenzene
Concen: 21.524 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VD064521.D
Acq: 16 Dec 2019 13:11

Instrument :
MSVOA_D
ClientSampleId :
VD1216SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	291410		
91	61.5	31.2	93.6	
134	28.2	13.9	41.7	

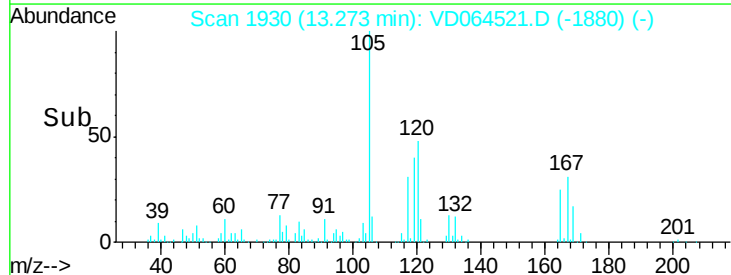
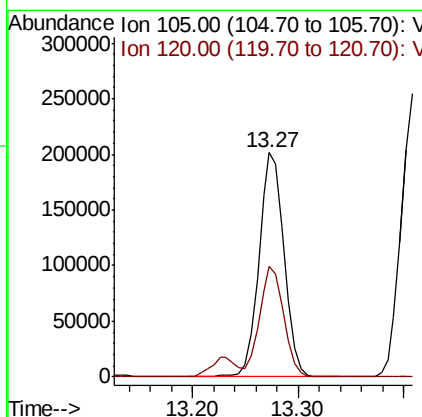
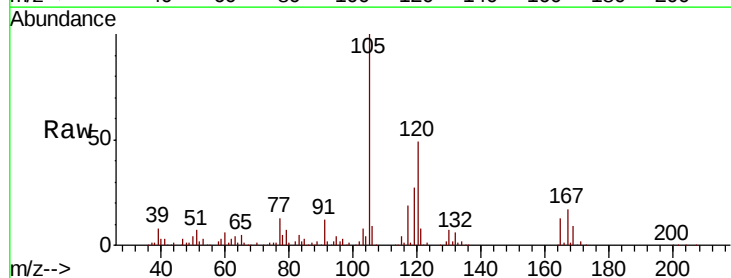
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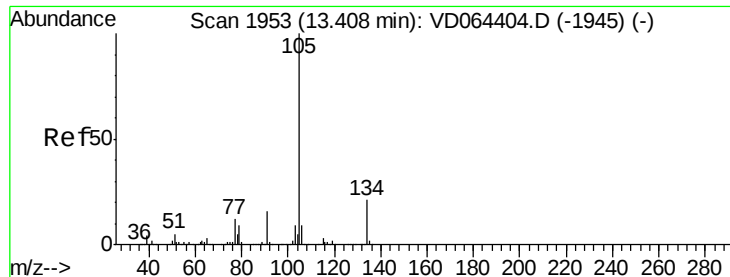
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#84
1,2,4-Trimethylbenzene
Concen: 21.225 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.01 min
Lab File: VD064521.D
Acq: 16 Dec 2019 13:11

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	332370		
120	47.4	23.6	70.8	





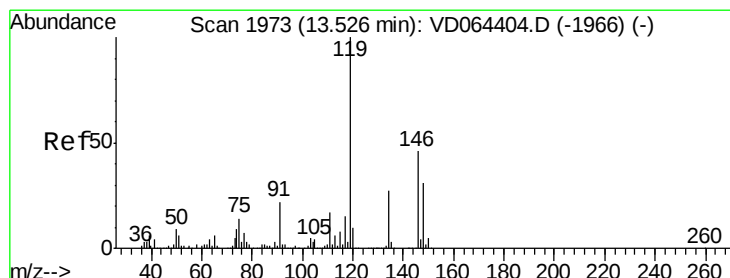
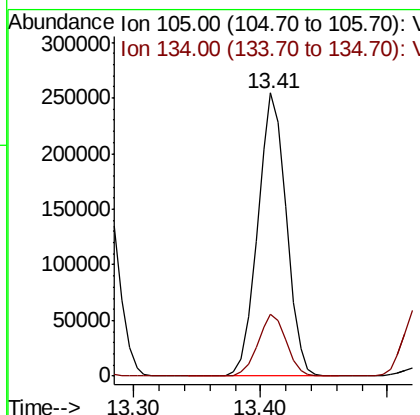
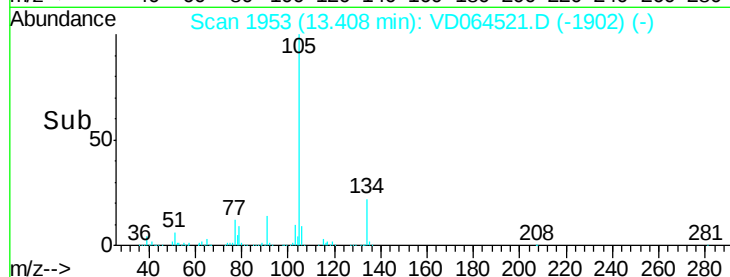
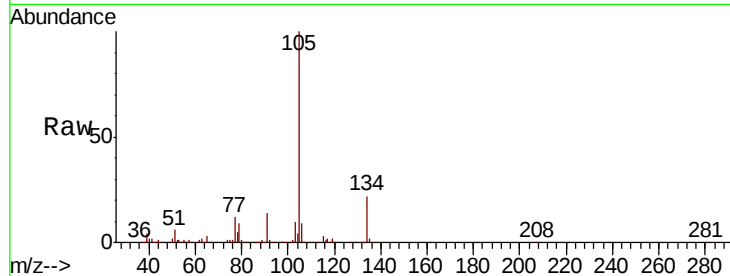
#85
 sec-Butylbenzene
 Concen: 21.531 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. -0.00 min
 Lab File: VD064521.D
 Acq: 16 Dec 2019 13:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1216SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.5	10.5	31.5

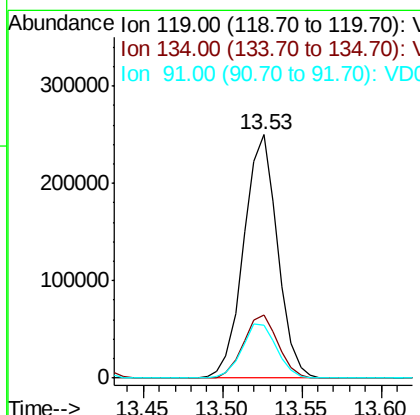
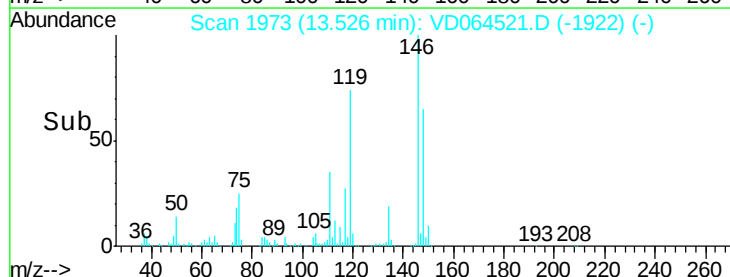
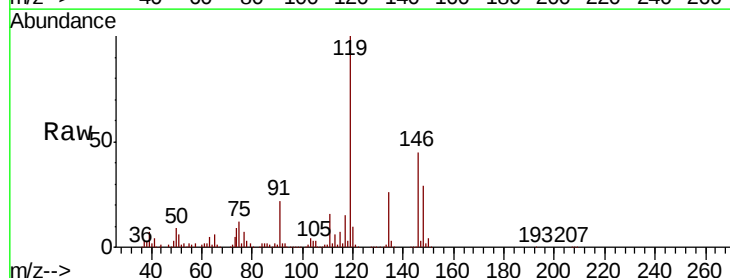
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#86
 p-Isopropyltoluene
 Concen: 21.033 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD064521.D
 Acq: 16 Dec 2019 13:11

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.8	13.5	40.4
91	22.8	11.2	33.5





#87

1,3-Dichlorobenzene

Concen: 21.242 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD064521.D

Acq: 16 Dec 2019 13:11

Instrument :

MSVOA_D

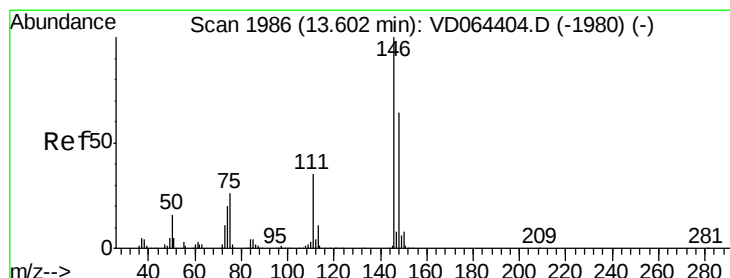
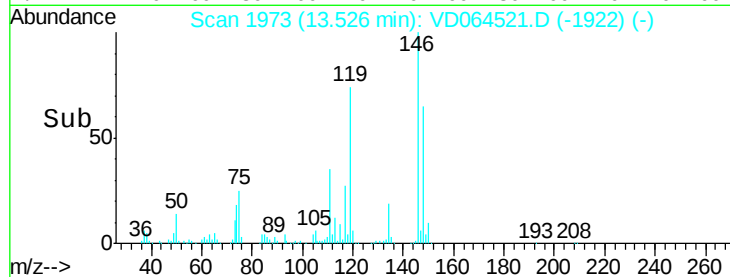
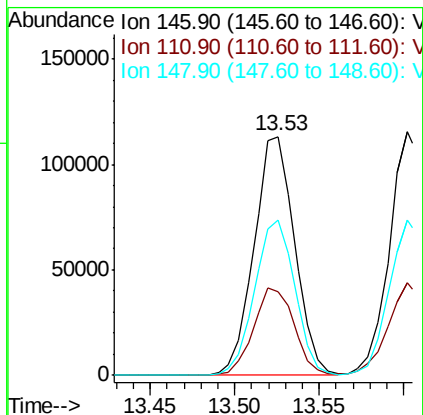
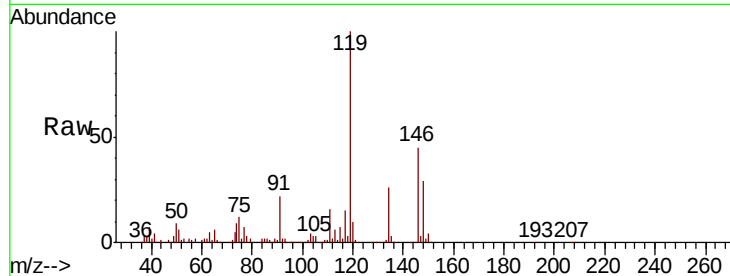
ClientSampleId :

VD1216SBS01

Tot Ion:	146	Resp:	189730
Ion Ratio	Lower	Upper	
146	100		
111	36.8	18.8	56.4
148	64.2	32.6	97.8

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#88

1,4-Dichlorobenzene

Concen: 21.522 ug/l

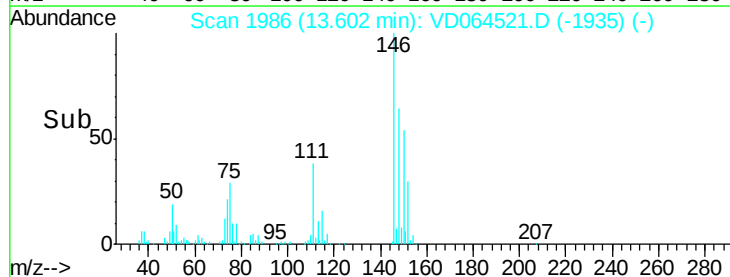
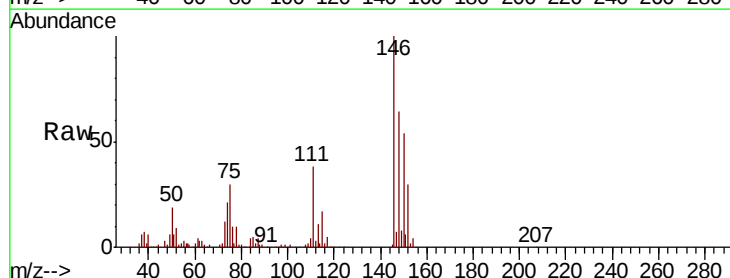
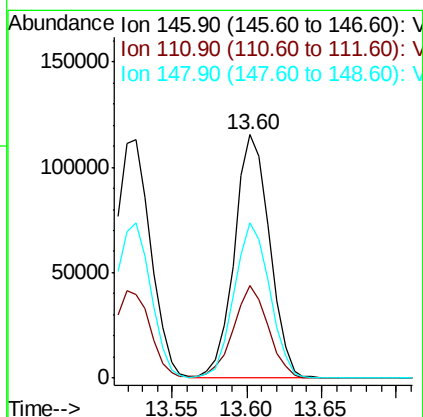
RT: 13.60 min Scan# 1986

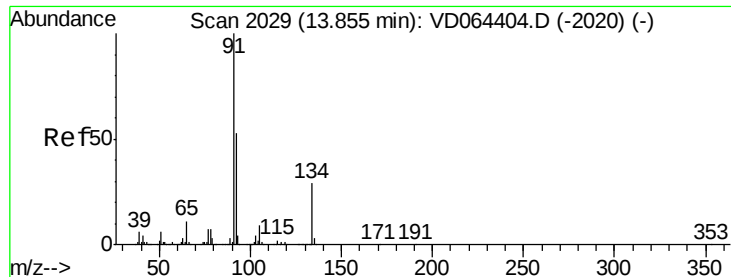
Delta R.T. -0.00 min

Lab File: VD064521.D

Acq: 16 Dec 2019 13:11

Tgt Ion:	146	Resp:	189792
Ion Ratio	Lower	Upper	
146	100		
111	38.0	18.2	54.6
148	64.3	31.8	95.4





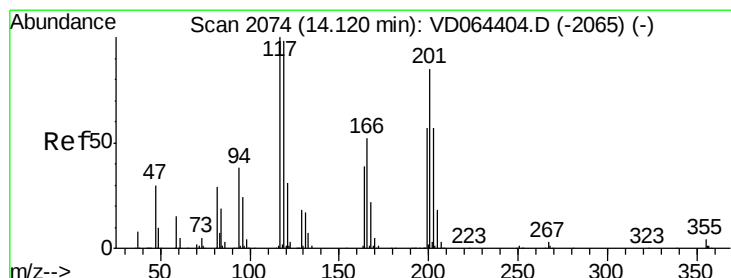
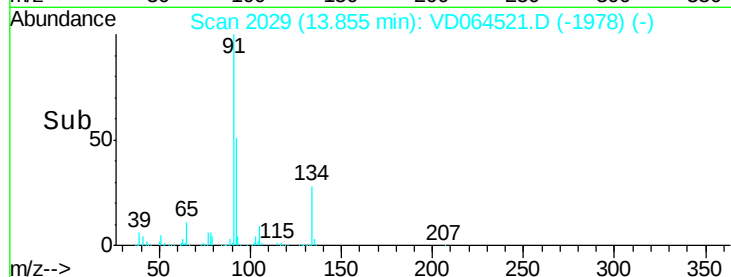
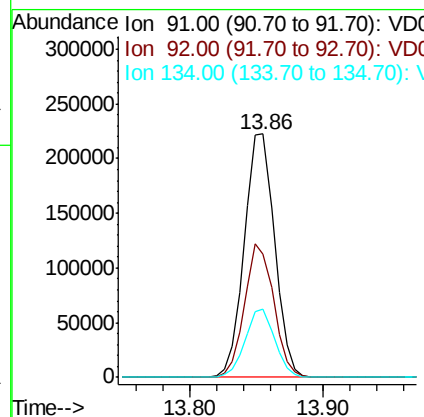
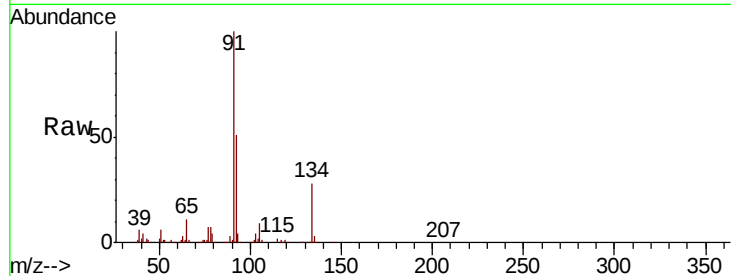
#89
n-Butylbenzene
Concen: 21.894 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VD064521.D
Acq: 16 Dec 2019 13:11

Instrument :
MSVOA_D
ClientSampleId :
VD1216SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.5	79.4
134	27.2	13.9	41.7

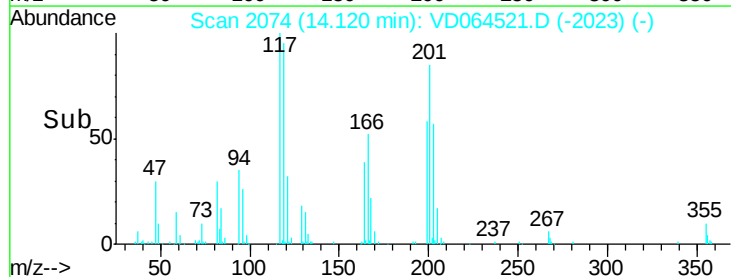
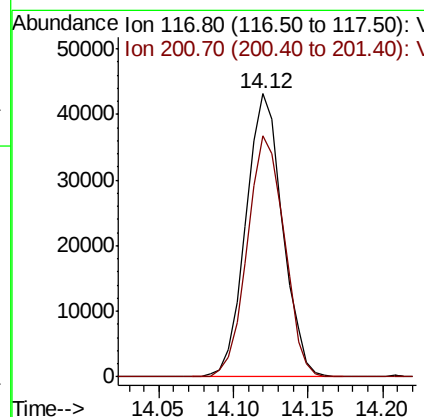
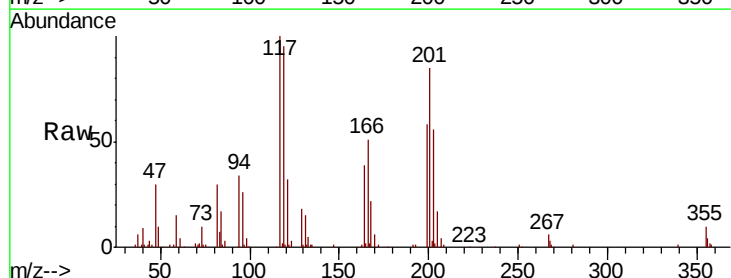
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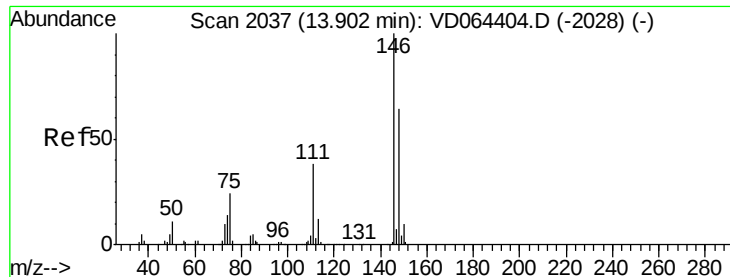
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#90
Hexachloroethane
Concen: 22.374 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD064521.D
Acq: 16 Dec 2019 13:11

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.4	44.3	132.8





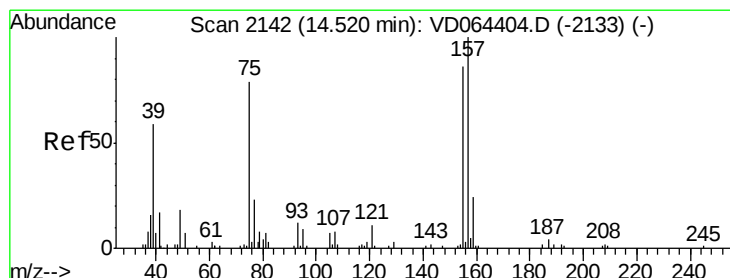
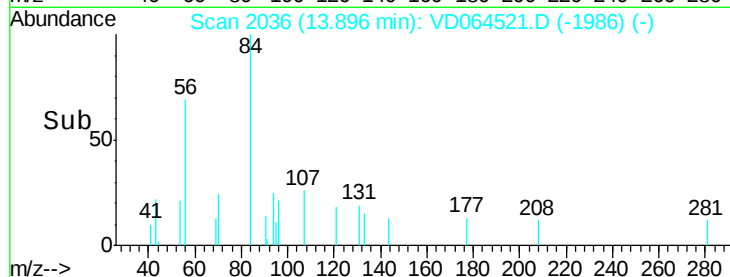
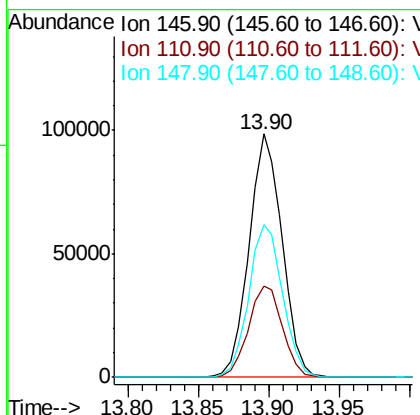
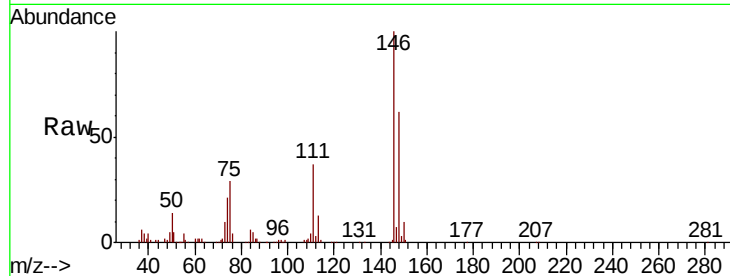
#91
 1,2-Dichlorobenzene
 Concen: 21.248 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD064521.D
 Acq: 16 Dec 2019 13:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1216SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.1	57.3
148	64.1	32.0	96.0

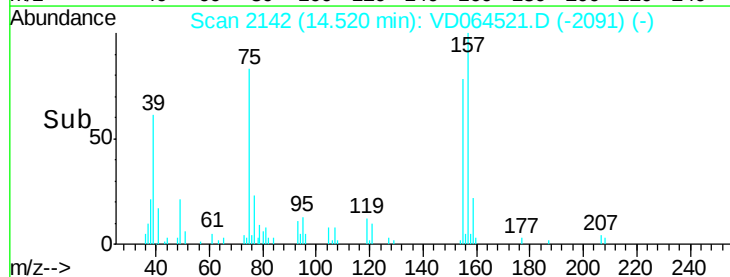
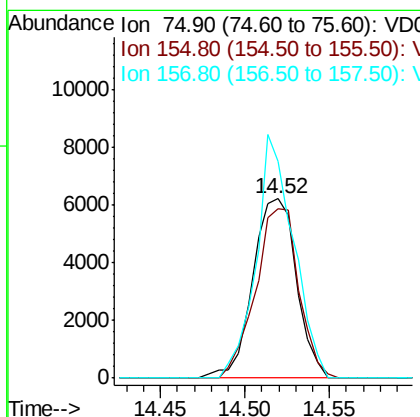
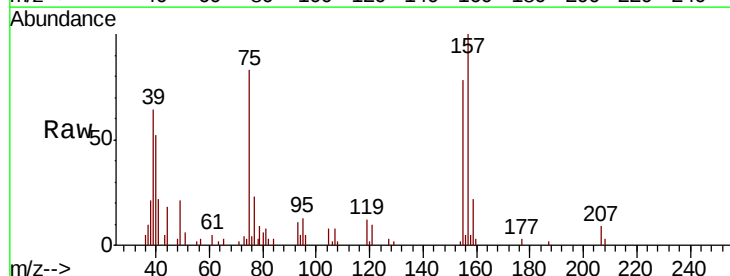
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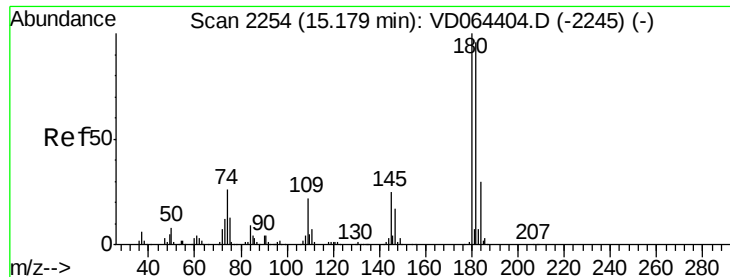
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.118 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD064521.D
 Acq: 16 Dec 2019 13:11

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.9	51.9	155.7
157	116.3	63.2	189.8





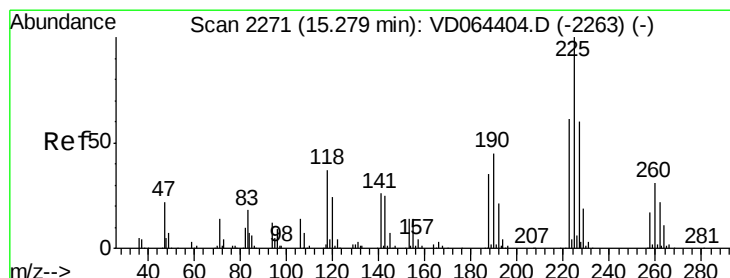
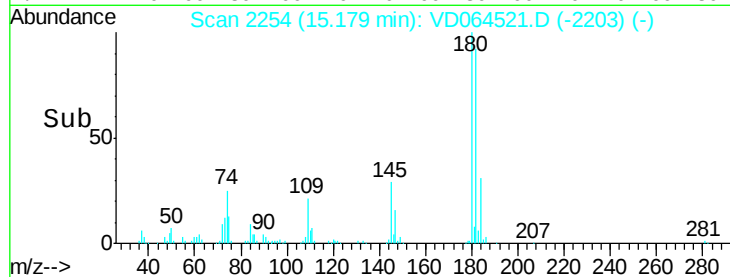
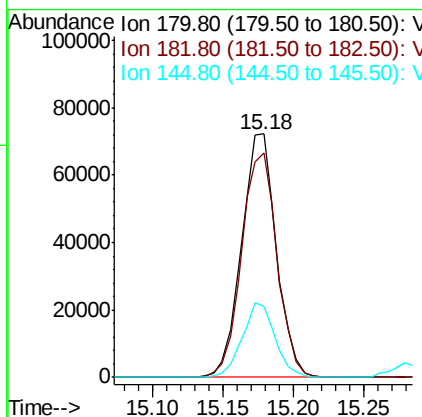
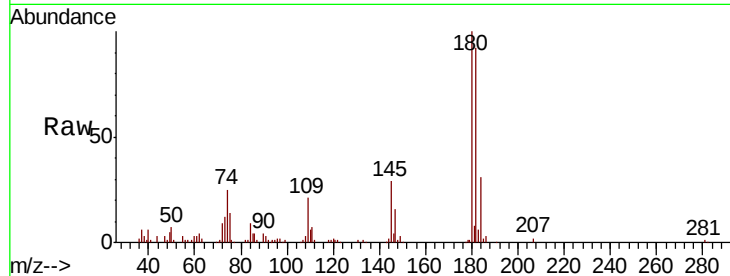
#93
 1,2,4-Trichlorobenzene
 Concen: 21.326 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. -0.00 min
 Lab File: VD064521.D
 Acq: 16 Dec 2019 13:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1216SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	124670		
182	93.6	47.4	142.3	
145	28.9	14.0	41.9	

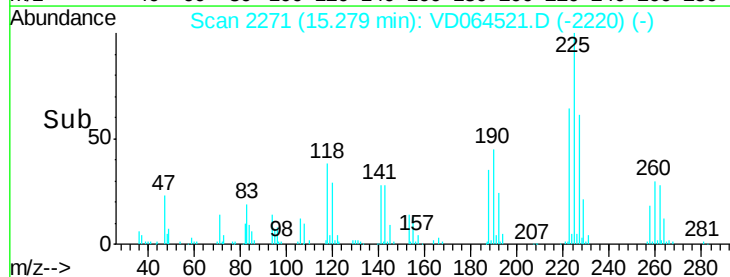
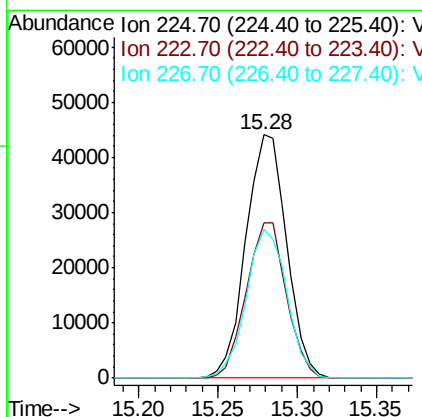
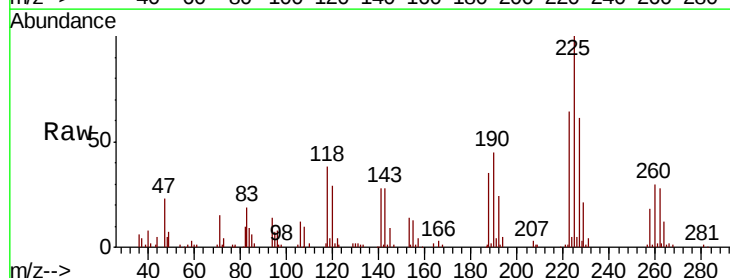
Manual Integrations
 APPROVED

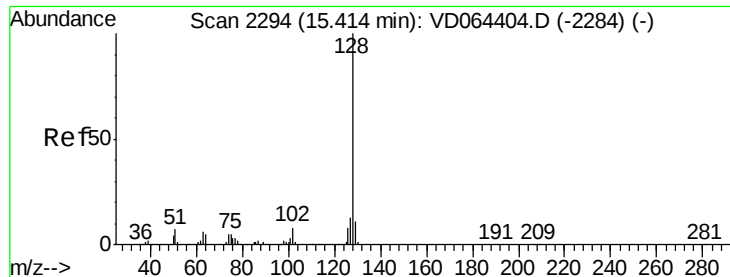
apatel
 12/17/2019 4:49:12 PM



#94
 Hexachlorobutadiene
 Concen: 21.835 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VD064521.D
 Acq: 16 Dec 2019 13:11

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	78804		
223	63.0	31.1	93.3	
227	61.1	31.8	95.4	





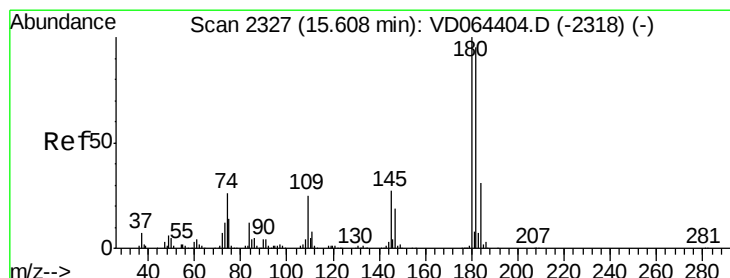
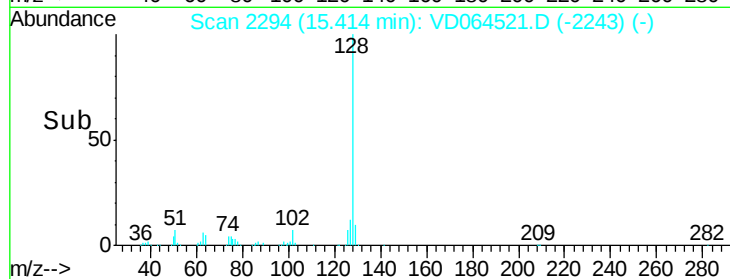
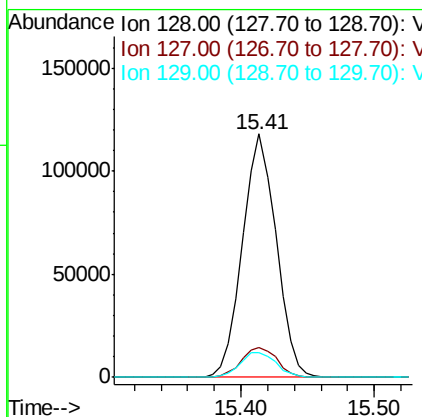
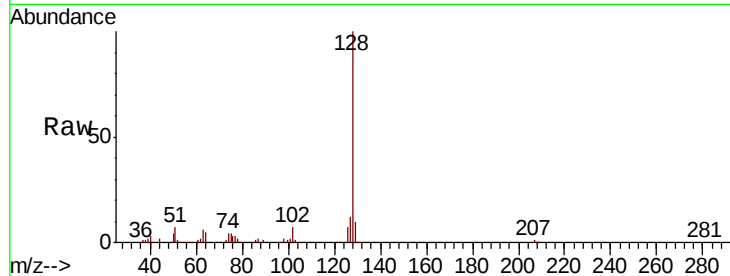
#95
Naphthalene
Concen: 21.150 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VD064521.D
Acq: 16 Dec 2019 13:11

Instrument :
MSVOA_D
ClientSampleId :
VD1216SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	10.9	8.8	13.2

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 21.929 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD064521.D
Acq: 16 Dec 2019 13:11

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.0	47.6	142.9
145	28.3	14.6	43.8

