

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121019\
 Data File : VD064485.D
 Acq On : 10 Dec 2019 12:11
 Operator : VA/SY
 Sample : VD1210SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1210SBS01

Manual Integrations
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 12/11/2019 2:15:22 PM

Quant Time: Dec 11 01:05:51 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	437573	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	647619	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	566226	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	287293	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	201073	50.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.54%	
35) Dibromofluoromethane	7.92	113	204552	50.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.26%	
50) Toluene-d8	10.34	98	786388	51.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.32%	
62) 4-Bromofluorobenzene	12.64	95	248611	50.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	88713	22.375	ug/l	99
3) Chloromethane	2.21	50	108539	21.705	ug/l	97
4) Vinyl Chloride	2.35	62	133633	23.144	ug/l	98
5) Bromomethane	2.76	94	93176	21.822	ug/l	99
6) Chloroethane	2.92	64	86670	22.458	ug/l	99
7) Trichlorofluoromethane	3.27	101	224363	23.374	ug/l	93
8) Diethyl Ether	3.70	74	44065	22.092	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	93323	22.675	ug/l	99
10) Methyl Iodide	4.29	142	97949	22.537	ug/l	98
11) Tert butyl alcohol	5.26	59	26064	103.380	ug/l #	100
12) 1,1-Dichloroethene	4.06	96	89563	22.708	ug/l	97
13) Acrolein	3.93	56	32782	95.329	ug/l	99
14) Allyl chloride	4.71	41	139156	22.608	ug/l	97
15) Acrylonitrile	5.43	53	94306	108.122	ug/l	98
16) Acetone	4.17	43	87178	108.922	ug/l	98
17) Carbon Disulfide	4.40	76	280276	22.437	ug/l	99
18) Methyl Acetate	4.72	43	51532	22.073	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	194960	21.549	ug/l	97
20) Methylene Chloride	4.96	84	104642	23.362	ug/l	92
21) trans-1,2-Dichloroethene	5.46	96	100647	22.560	ug/l	97
22) Diisopropyl ether	6.37	45	268949	22.134	ug/l #	96
23) Vinyl Acetate	6.31	43	774394	108.102	ug/l	99
24) 1,1-Dichloroethane	6.26	63	165470	22.644	ug/l	98
25) 2-Butanone	7.23	43	120703	106.638	ug/l	98
26) 2,2-Dichloropropane	7.21	77	150538	23.688	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	105837	21.760	ug/l	98
28) Bromochloromethane	7.54	49	40884	16.371	ug/l	98
29) Tetrahydrofuran	7.57	42	75715	105.140	ug/l	98
30) Chloroform	7.71	83	170495	22.528	ug/l	98
31) Cyclohexane	7.98	56	160281	22.610	ug/l	91
32) 1,1,1-Trichloroethane	7.90	97	162115	23.105	ug/l	98
36) 1,1-Dichloropropene	8.11	75	136182	22.232	ug/l	100
37) Ethyl Acetate	7.30	43	58028	22.325	ug/l	95
38) Carbon Tetrachloride	8.10	117	147298	22.784	ug/l	98

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Manual Integrations
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Quant Time: Dec 11 01:05:51 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	170241	22.405	ug/l	95
40) Benzene	8.35	78	377219	22.172	ug/l	99
41) Methacrylonitrile	7.53	41	31324	21.014	ug/l #	87
42) 1,2-Dichloroethane	8.43	62	110960	22.364	ug/l	99
43) Isopropyl Acetate	8.46	43	107347	21.005	ug/l	98
44) Trichloroethene	9.11	130	111722	21.800	ug/l	99
45) 1,2-Dichloropropane	9.38	63	92655	22.772	ug/l	94
46) Dibromomethane	9.47	93	50243	21.878	ug/l	98
47) Bromodichloromethane	9.66	83	132020	22.374	ug/l	98
48) Methyl methacrylate	9.46	41	48303	20.655	ug/l	98
49) 1,4-Dioxane	9.46	88	11824	416.955	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	268100	106.025	ug/l	99
52) Toluene	10.40	92	241141	21.749	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	122480	21.780	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	145734	21.814	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	67398	21.434	ug/l	97
56) Ethyl methacrylate	10.66	69	82452	20.558	ug/l	98
57) 1,3-Dichloropropane	10.95	76	116324	21.731	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	174654	109.241	ug/l	98
59) 2-Hexanone	10.98	43	179619	102.370	ug/l	98
60) Dibromochloromethane	11.14	129	90092	21.131	ug/l	98
61) 1,2-Dibromoethane	11.25	107	65912	20.993	ug/l	99
64) Tetrachloroethene	10.87	164	97839	22.659	ug/l	98
65) Chlorobenzene	11.67	112	254107	21.517	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	96874	22.159	ug/l	99
67) Ethyl Benzene	11.74	91	460911	21.936	ug/l	96
68) m/p-Xylenes	11.86	106	357091	44.571	ug/l	98
69) o-Xylene	12.18	106	158084	21.365	ug/l	98
70) Styrene	12.20	104	282442	21.966	ug/l	99
71) Bromoform	12.37	173	55724	21.305	ug/l #	99
73) Isopropylbenzene	12.48	105	446253	21.597	ug/l	100
74) N-amyl acetate	12.29	43	96317	20.538	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	70586	20.658	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	43688m	18.491	ug/l	
77) Bromobenzene	12.77	156	108335	21.232	ug/l	99
78) n-propylbenzene	12.83	91	516246	21.654	ug/l	99
79) 2-Chlorotoluene	12.91	91	282264	21.517	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	364411	21.582	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	23346	21.547	ug/l	98
82) 4-Chlorotoluene	13.01	91	294562	21.208	ug/l	99
83) tert-Butylbenzene	13.23	119	319205	21.745	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	354306	20.868	ug/l	99
85) sec-Butylbenzene	13.41	105	432463	21.465	ug/l	99
86) p-Isopropyltoluene	13.52	119	397526	20.899	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	200133	20.665	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	201782	21.104	ug/l	98
89) n-Butylbenzene	13.85	91	373693	21.634	ug/l	99
90) Hexachloroethane	14.12	117	76974	21.636	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	174526	21.087	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	11345	19.553	ug/l	96

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ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD1210SBSD01

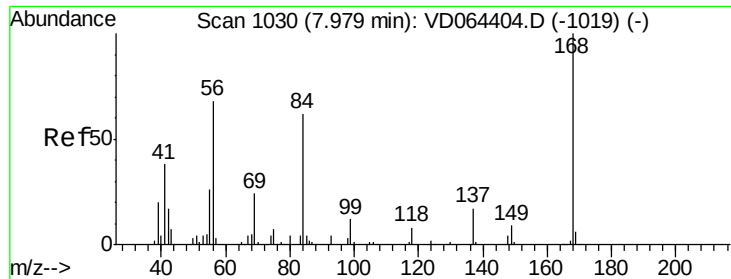
Manual Integrations
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12/11/2019 2:15:22 PM

Quant Time: Dec 11 01:05:51 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)
93) 1,2,4-Trichlorobenzene	15.17	180	132492	20.903	ug/l	99
94) Hexachlorobutadiene	15.28	225	83487	21.336	ug/l	99
95) Naphthalene	15.41	128	211142	19.960	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	112455	20.784	ug/l	100

(#) = 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: VD064485.D

Acq: 10 Dec 2019 12:11

Instrument :

MSVOA_D

ClientSampleId :

VD1210SBSD01

Tot Ion:168 Resp: 437573

Ion Ratio Lower Upper

168 100

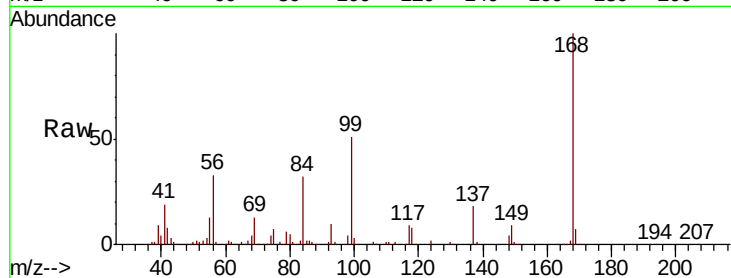
99 51.1 40.7 61.1

Manual Integrations

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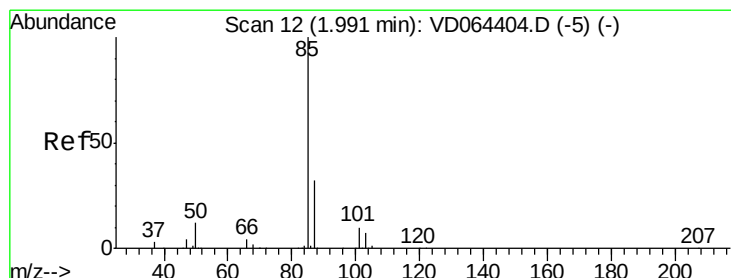
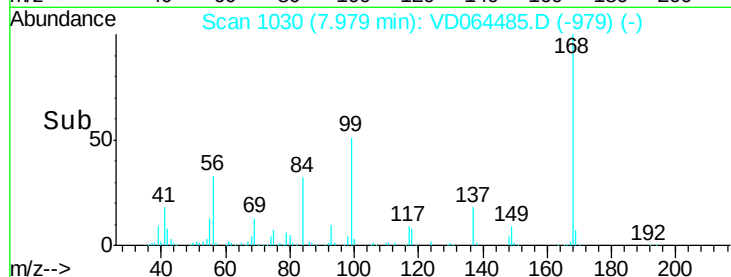
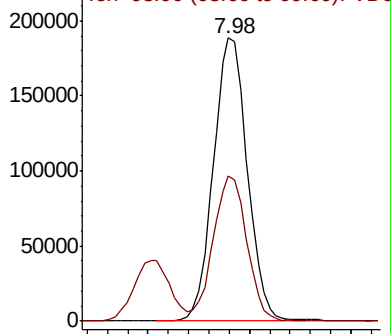
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 22.375 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064485.D

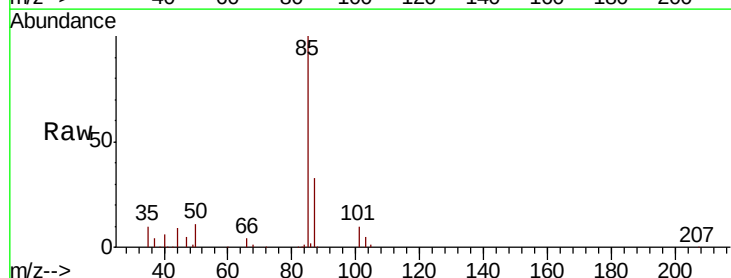
Acq: 10 Dec 2019 12:11

Tgt Ion: 85 Resp: 88713

Ion Ratio Lower Upper

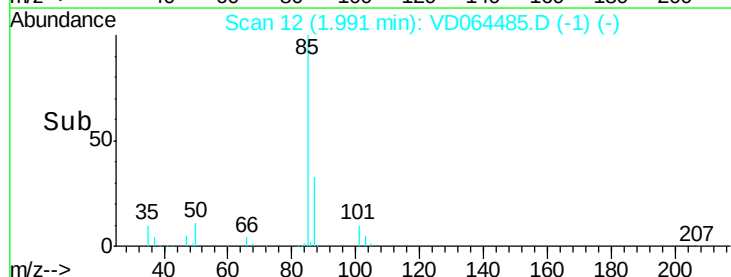
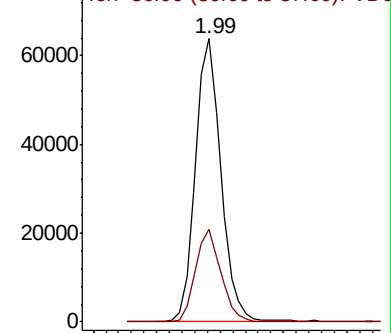
85 100

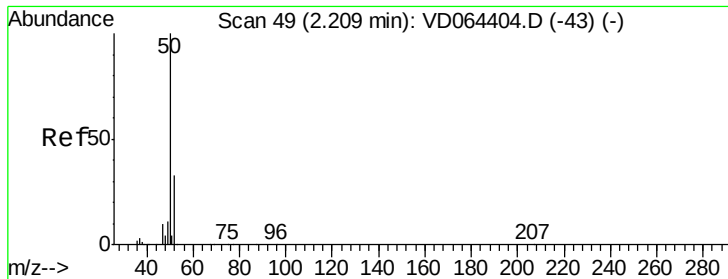
87 32.9 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 21.705 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064485.D

Acq: 10 Dec 2019 12:11

Instrument :

MSVOA_D

ClientSampleId :

VD1210SBS01

Tot Ion: 50 Resp: 108539

Ion Ratio Lower Upper

50 100

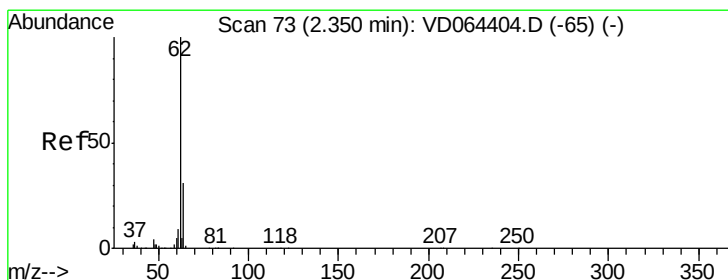
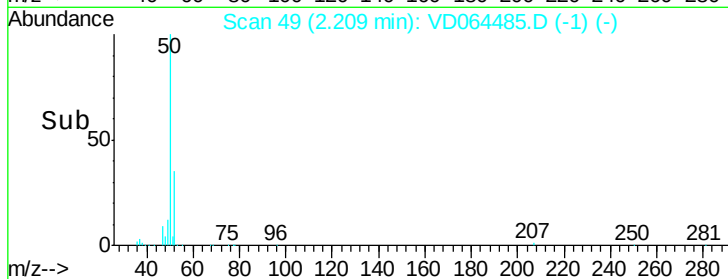
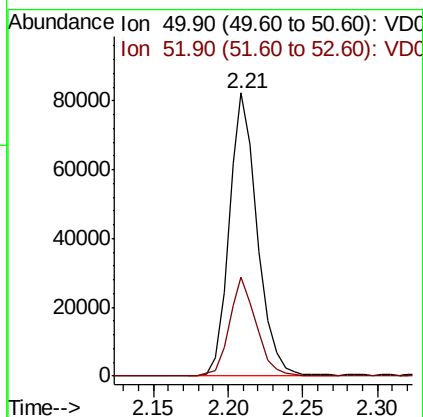
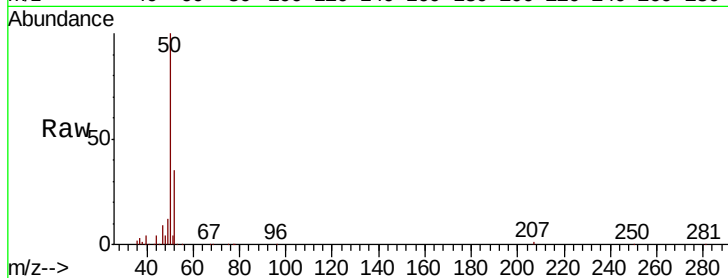
52 35.0 26.7 40.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 23.144 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064485.D

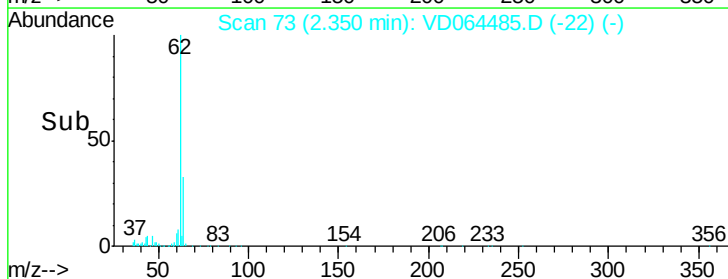
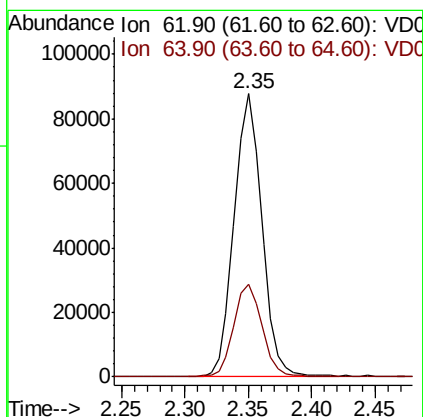
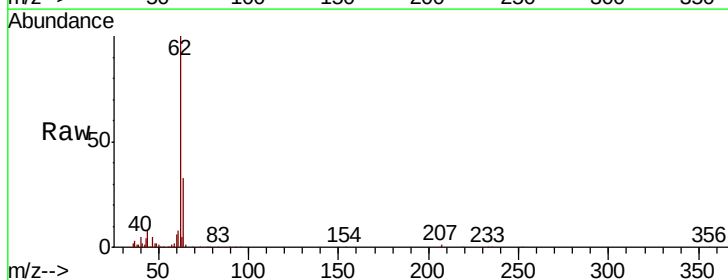
Acq: 10 Dec 2019 12:11

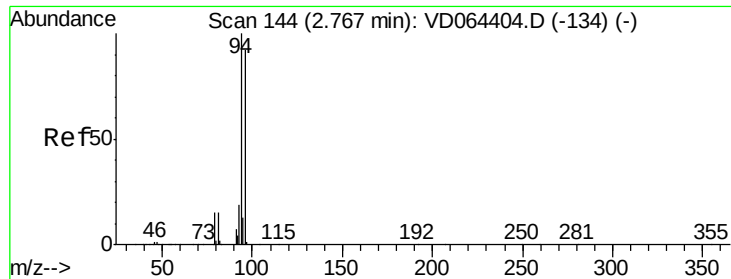
Tgt Ion: 62 Resp: 133633

Ion Ratio Lower Upper

62 100

64 32.5 25.0 37.4





#5

Bromomethane

Concen: 21.822 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD064485.D

Acq: 10 Dec 2019 12:11

Instrument :

MSVOA_D

ClientSampleId :

VD1210SBS01

Tot Ion: 94 Resp: 93176

Ion Ratio Lower Upper

94 100

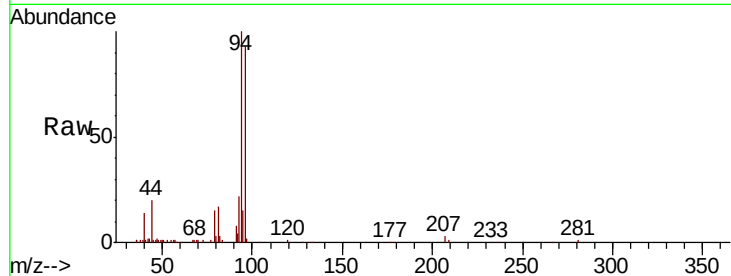
96 92.8 73.6 110.4

Manual Integrations

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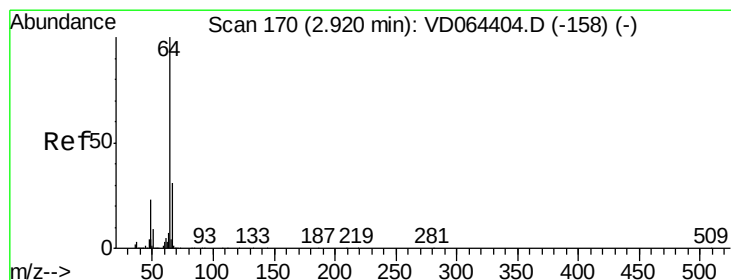
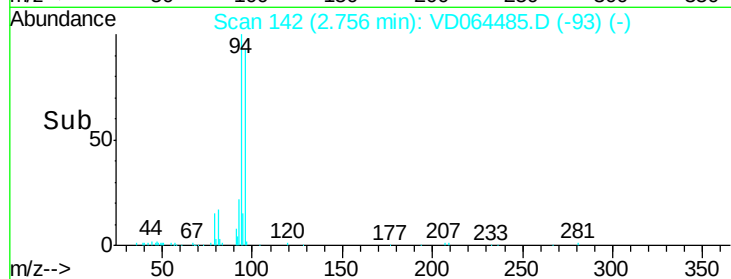
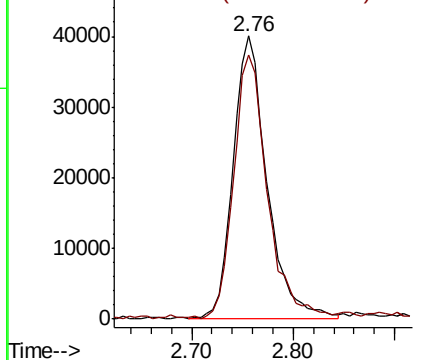
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 22.458 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064485.D

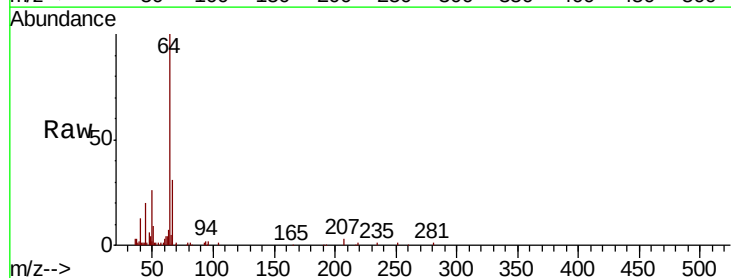
Acq: 10 Dec 2019 12:11

Tgt Ion: 64 Resp: 86670

Ion Ratio Lower Upper

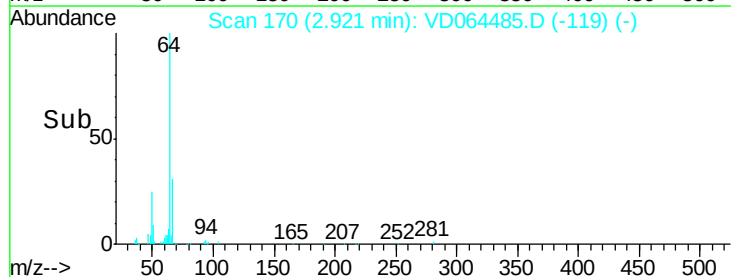
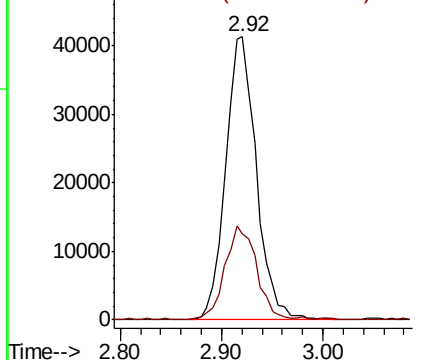
64 100

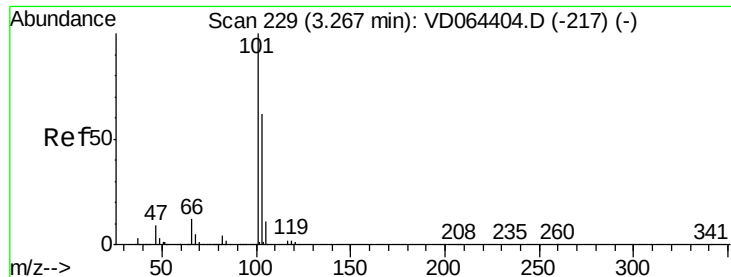
66 30.1 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

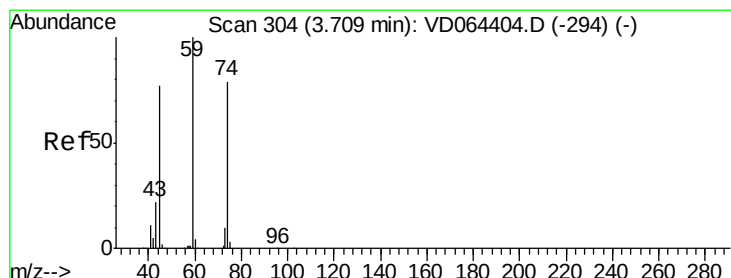
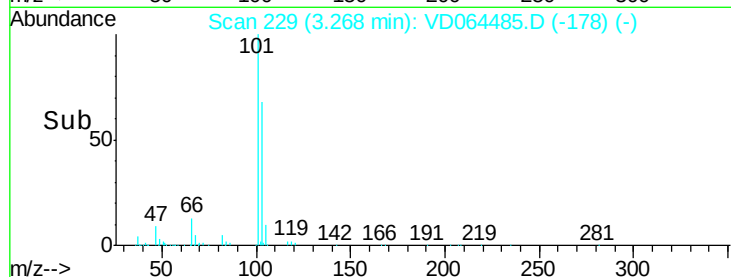
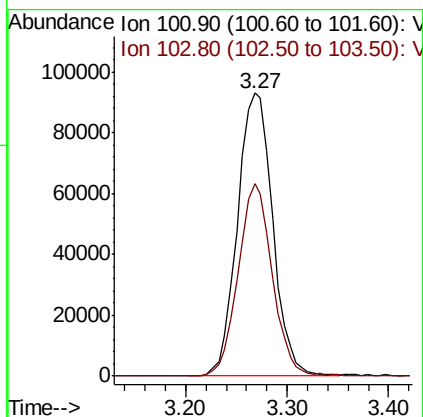
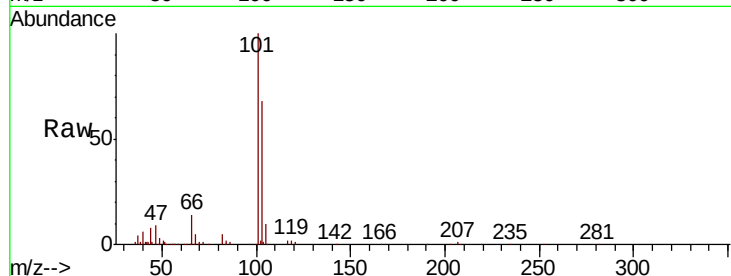
Trichlorofluoromethane
Concen: 23.374 ug/l
RT: 3.27 min Scan# 229
Delta R.T. 0.00 min
Lab File: VD064485.D
Acq: 10 Dec 2019 12:11

Instrument :
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ClientSampleId :
VD1210SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	224363		
103	67.9	49.8	74.6	

Manual Integrations
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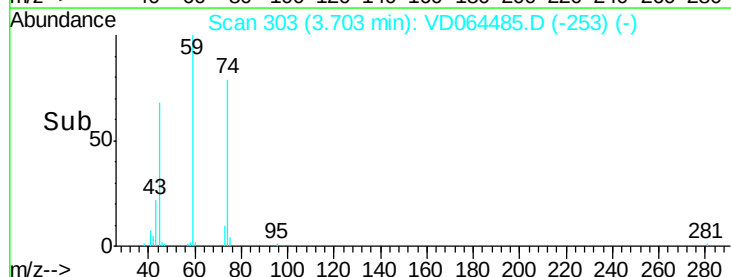
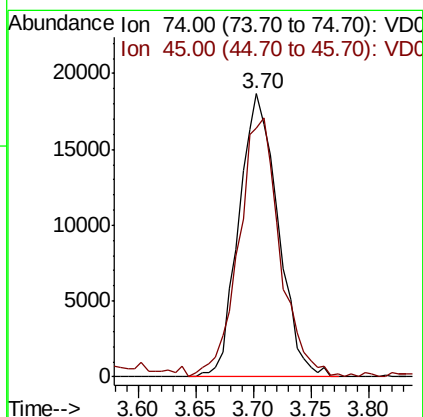
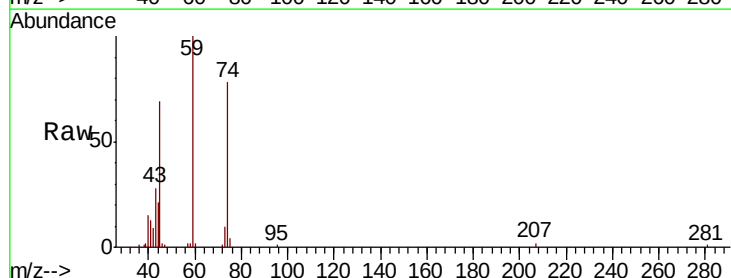
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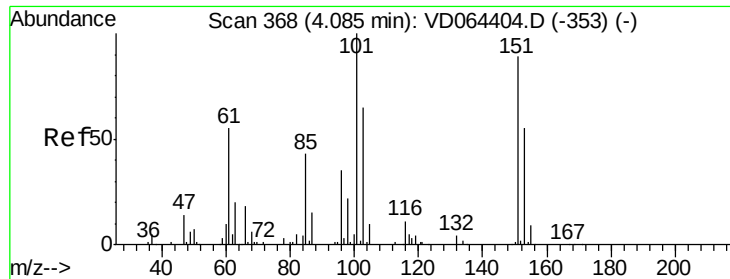


#8

Diethyl Ether
Concen: 22.092 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD064485.D
Acq: 10 Dec 2019 12:11

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	44065		
45	96.2	48.6	145.9	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.675 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD064485.D

Acq: 10 Dec 2019 12:11

Instrument :

MSVOA_D

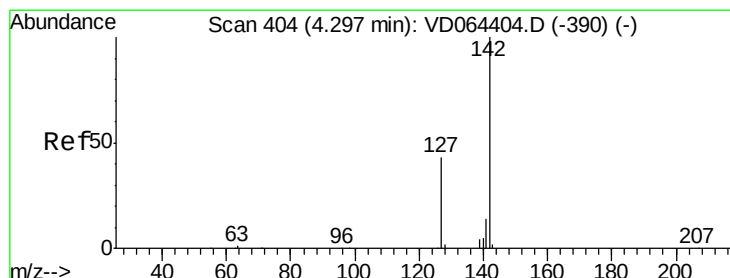
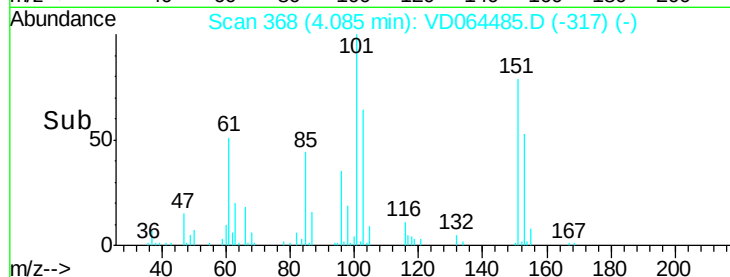
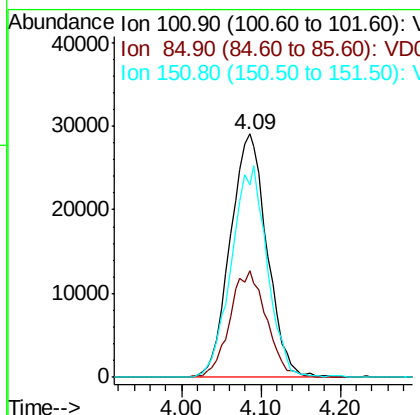
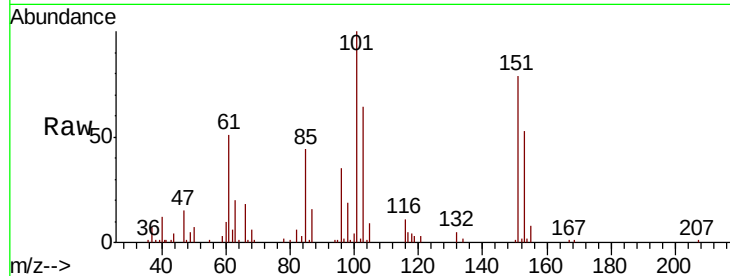
ClientSampleId :

VD1210SBS01

Tot Ion:	101	Resp:	93323
Ion Ratio	Lower	Upper	
101	100		
85	43.7	34.8	52.2
151	84.5	68.8	103.2

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#10

Methyl Iodide

Concen: 22.537 ug/l

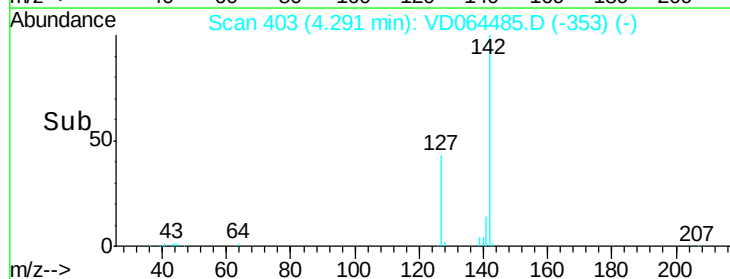
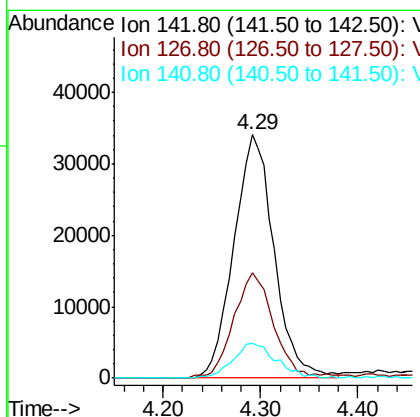
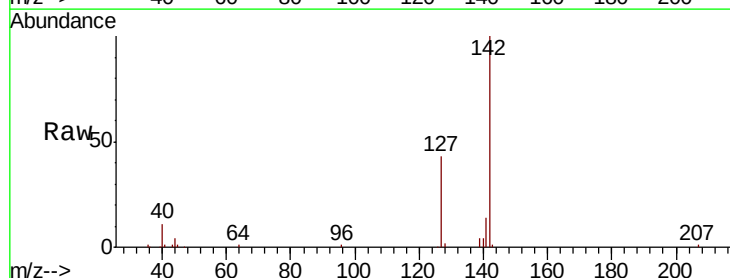
RT: 4.29 min Scan# 403

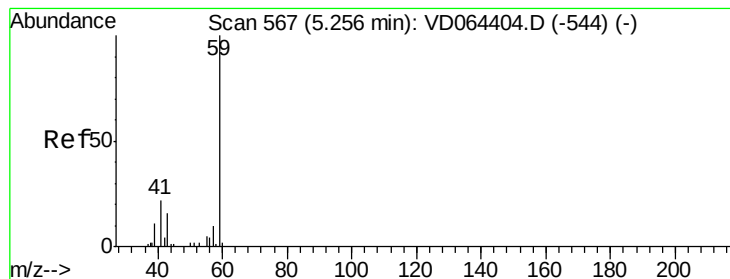
Delta R.T. -0.01 min

Lab File: VD064485.D

Acq: 10 Dec 2019 12:11

Tgt Ion:	142	Resp:	97949
Ion Ratio	Lower	Upper	
142	100		
127	43.0	35.3	52.9
141	15.4	11.6	17.4





#11

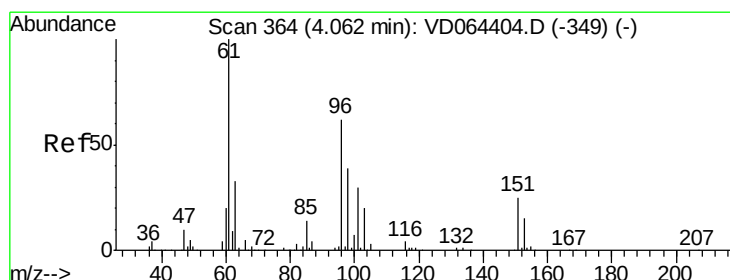
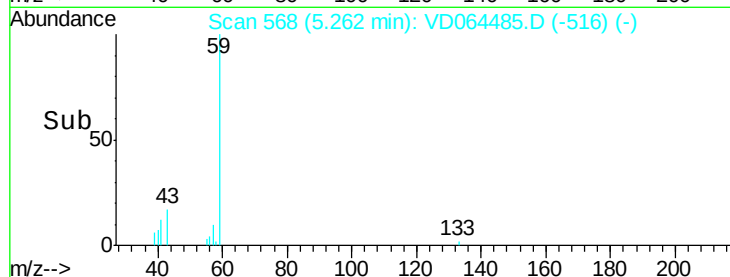
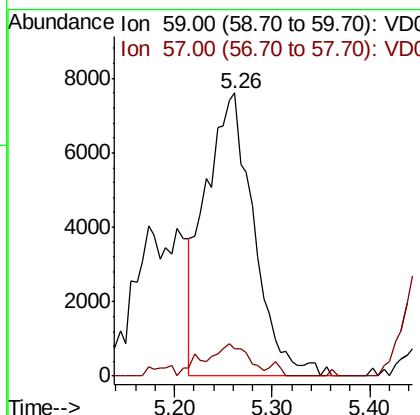
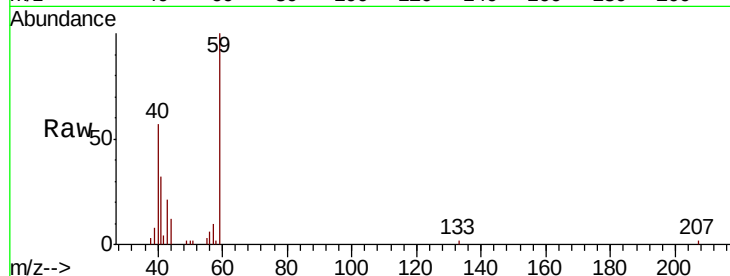
Tert butyl alcohol
Concen: 103.380 ug/l
RT: 5.26 min Scan# 568
Delta R.T. 0.01 min
Lab File: VD064485.D
Acq: 10 Dec 2019 12:11

Instrument :
MSVOA_D
ClientSampleId :
VD1210SBS01

Tot Ion: 59 Resp: 26064
Ion Ratio Lower Upper
59 100
57 5.8 0.0 0.0#

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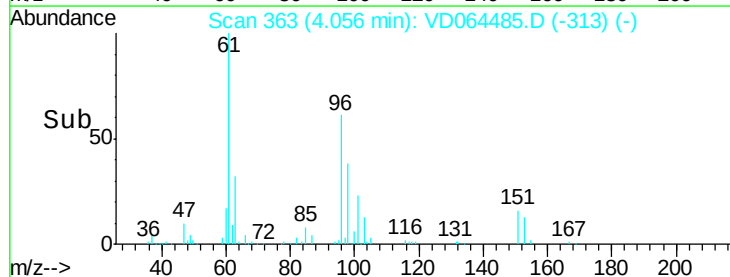
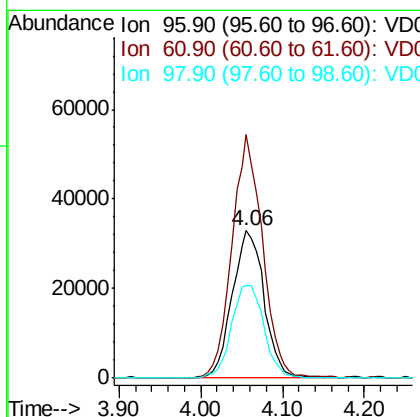
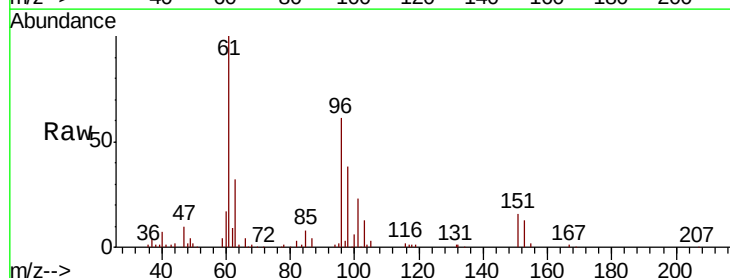
apatel
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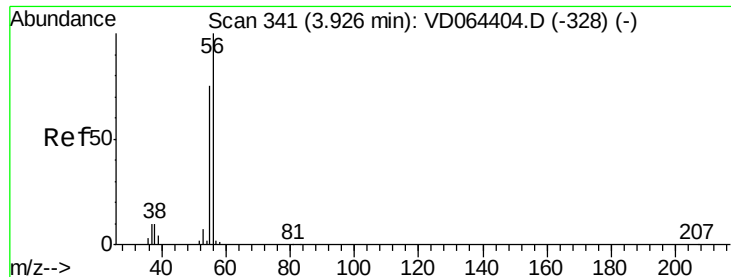


#12

1,1-Dichloroethene
Concen: 22.708 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD064485.D
Acq: 10 Dec 2019 12:11

Tgt Ion: 96 Resp: 89563
Ion Ratio Lower Upper
96 100
61 165.1 128.2 192.4
98 62.9 50.4 75.6





#13

Acrolein

Concen: 95.329 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD064485.D

Acq: 10 Dec 2019 12:11

Instrument :

MSVOA_D

ClientSampleId :

VD1210SBS01

Tot Ion: 56 Resp: 32782

Ion Ratio Lower Upper

56 100

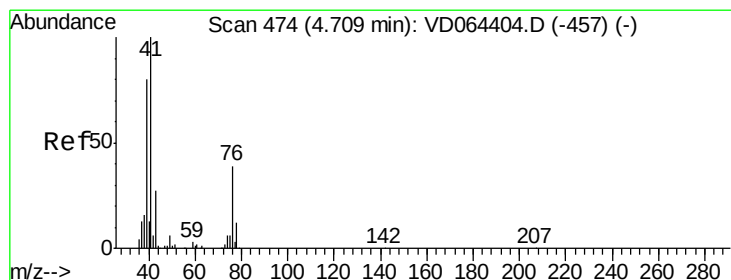
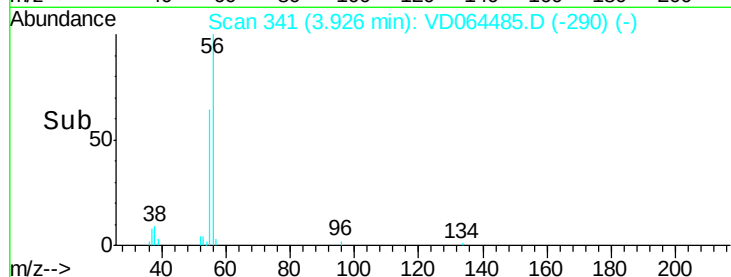
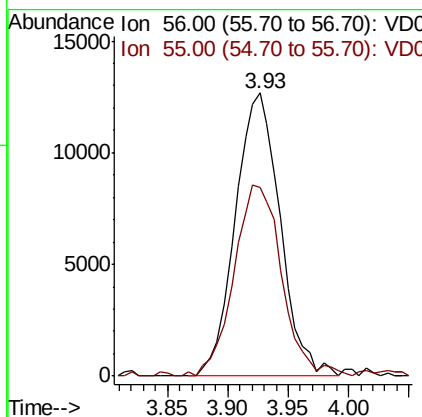
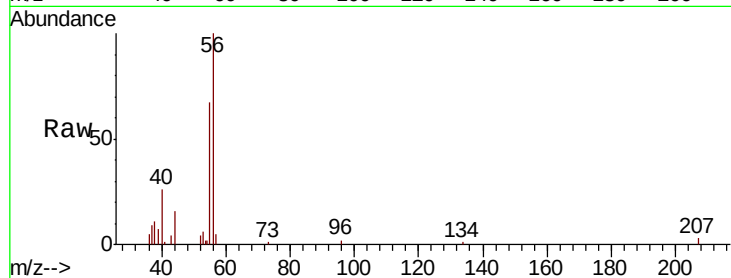
55 72.0 56.9 85.3

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#14

Allyl chloride

Concen: 22.608 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD064485.D

Acq: 10 Dec 2019 12:11

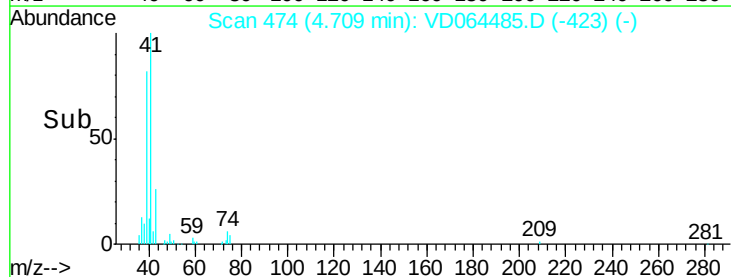
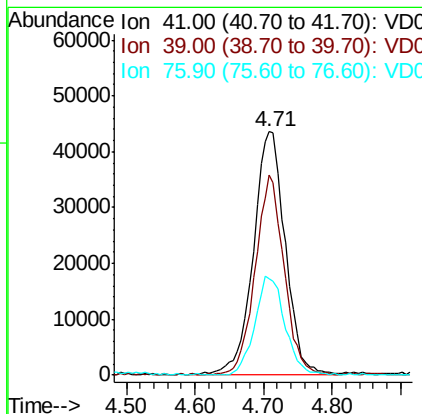
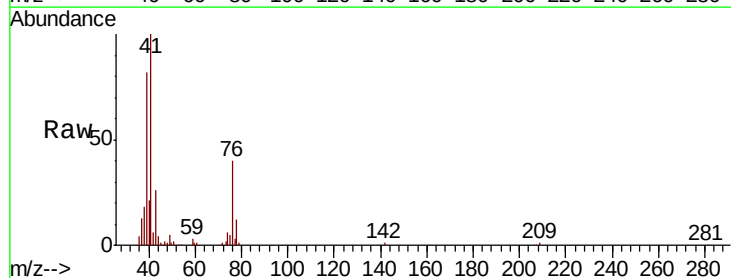
Tgt Ion: 41 Resp: 139156

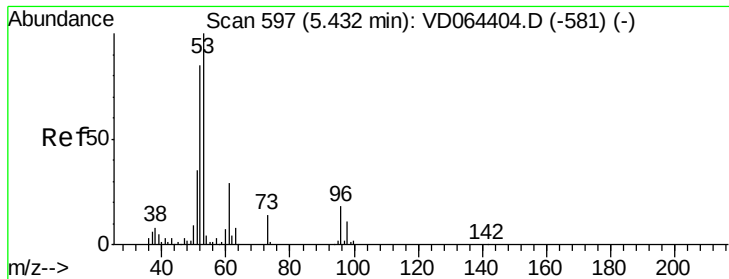
Ion Ratio Lower Upper

41 100

39 75.1 62.1 93.1

76 38.7 29.8 44.8





#15

Acrylonitrile

Concen: 108.122 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD064485.D

Acq: 10 Dec 2019 12:11

Instrument :

MSVOA_D

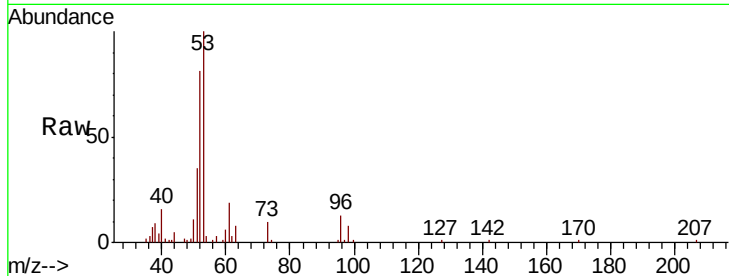
ClientSampleId :

VD1210SBS01

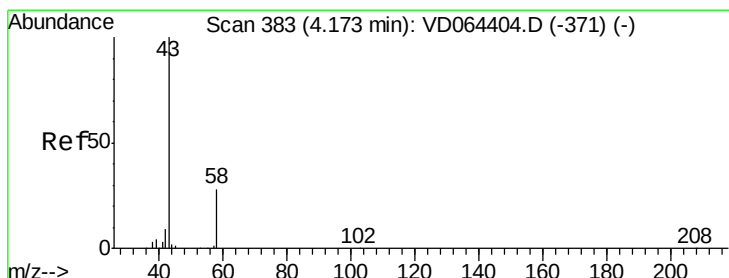
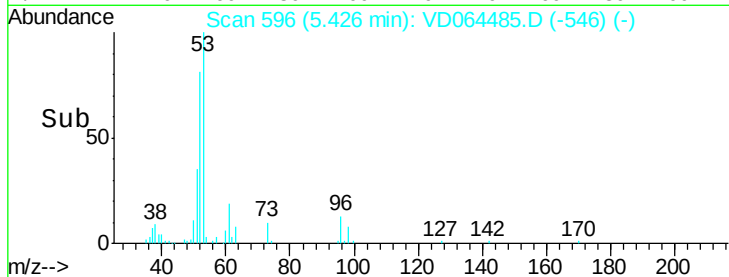
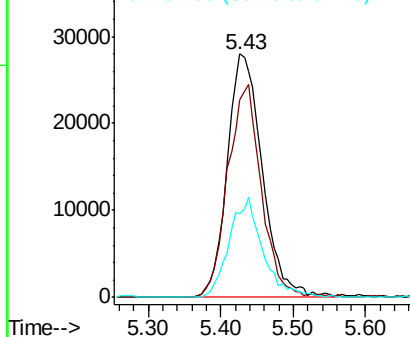
Tot Ion:	53	Resp:	94306
Ion Ratio	Lower	Upper	
53	100		
52	83.2	67.9	101.9
51	38.9	30.6	45.8

Manual Integrations
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Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 108.922 ug/l

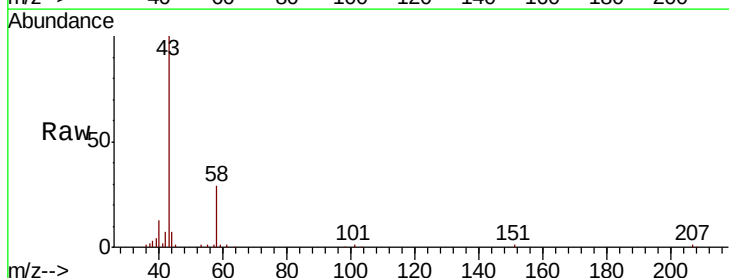
RT: 4.17 min Scan# 382

Delta R.T. -0.01 min

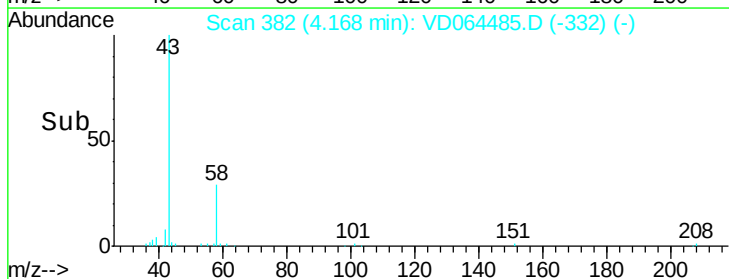
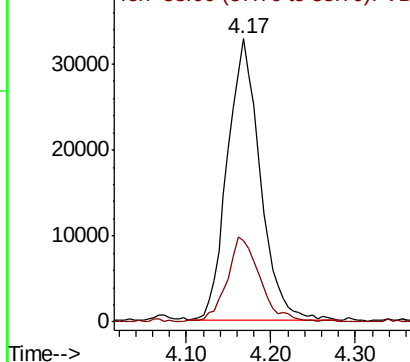
Lab File: VD064485.D

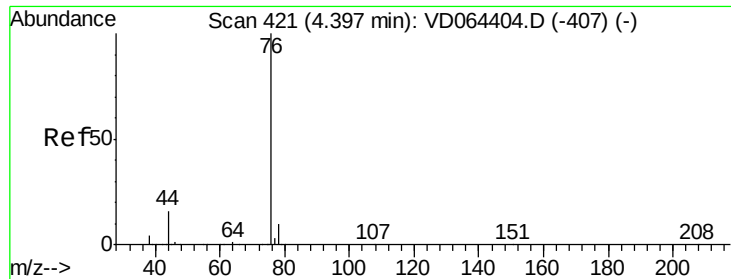
Acq: 10 Dec 2019 12:11

Tgt Ion:	43	Resp:	87178
Ion Ratio	Lower	Upper	
43	100		
58	29.0	22.6	33.8



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





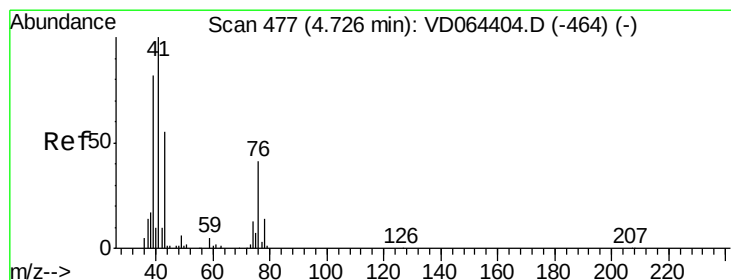
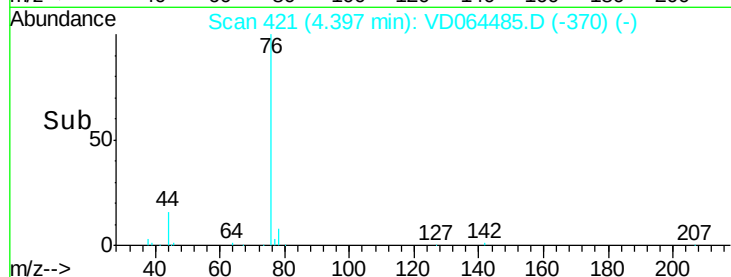
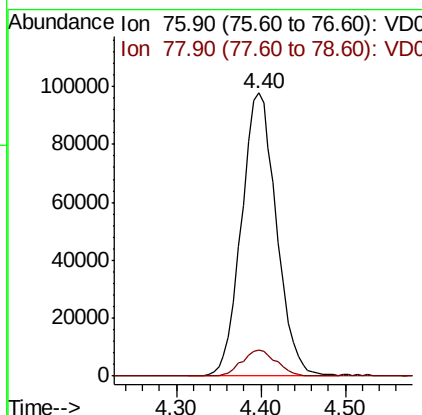
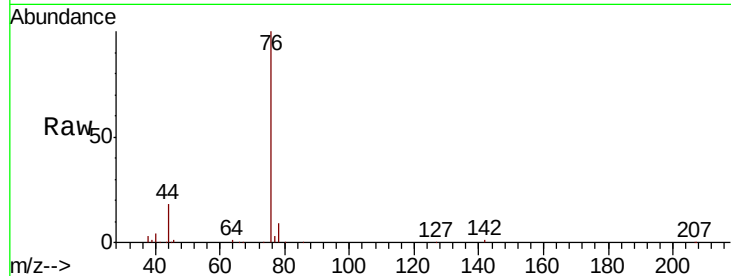
#17
Carbon Disulfide
Concen: 22.437 ug/l
RT: 4.40 min Scan# 421
Delta R.T. 0.00 min
Lab File: VD064485.D
Acq: 10 Dec 2019 12:11

Instrument :
MSVOA_D
ClientSampleId :
VD1210SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.8	11.8

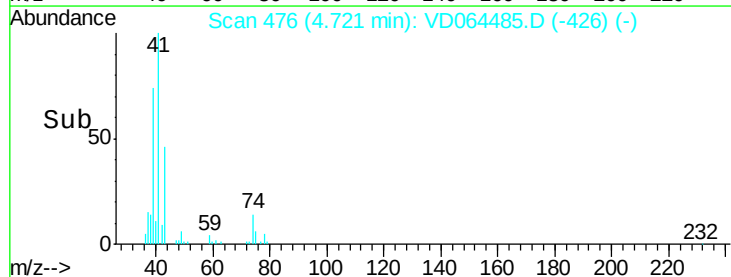
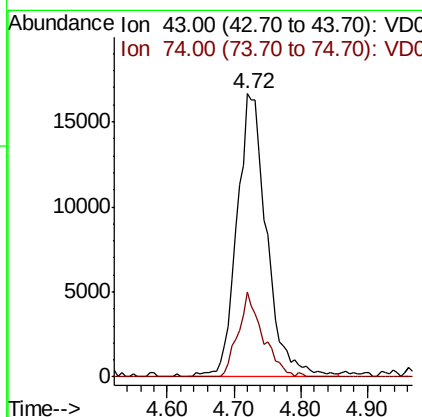
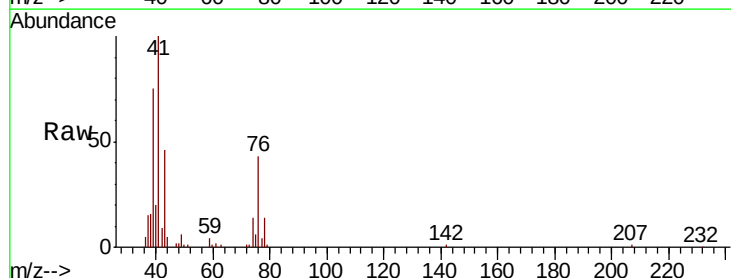
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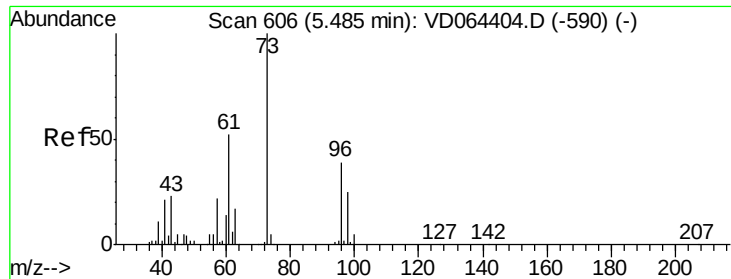
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#18
Methyl Acetate
Concen: 22.073 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.01 min
Lab File: VD064485.D
Acq: 10 Dec 2019 12:11

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.6	19.7	29.5





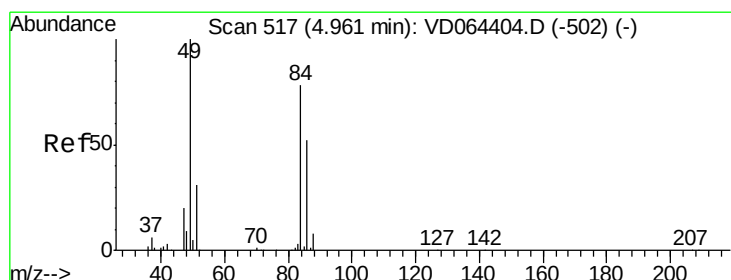
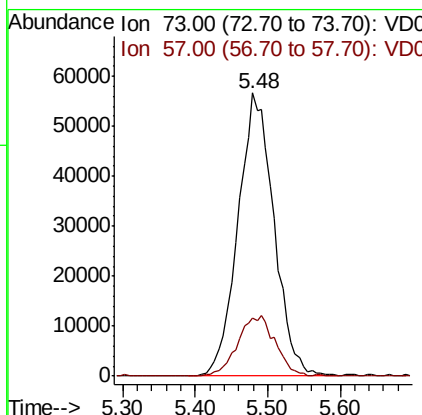
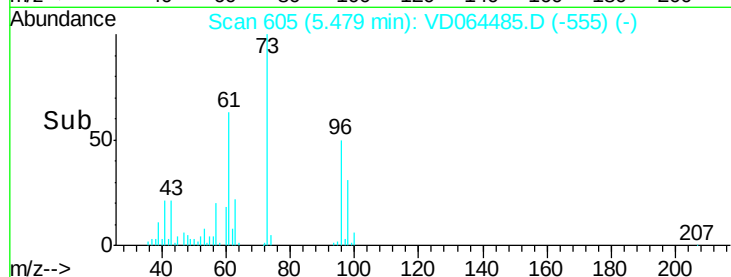
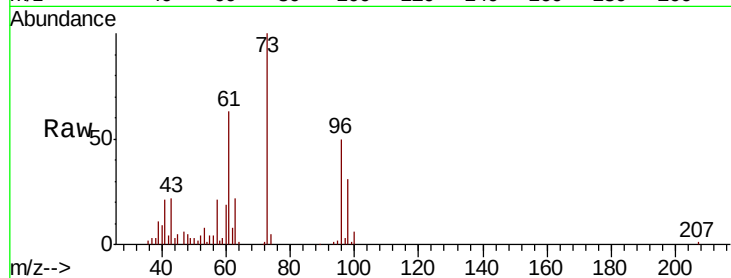
#19
Methyl tert-butyl Ether
Concen: 21.549 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD064485.D
Acq: 10 Dec 2019 12:11

Instrument :
MSVOA_D
ClientSampleId :
VD1210SBS01

Tot Ion: 73 Resp: 194960
Ion Ratio Lower Upper
73 100
57 20.6 17.6 26.4

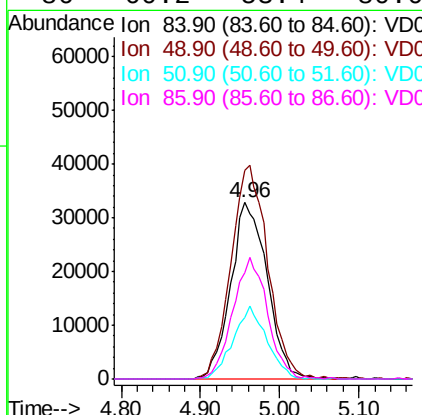
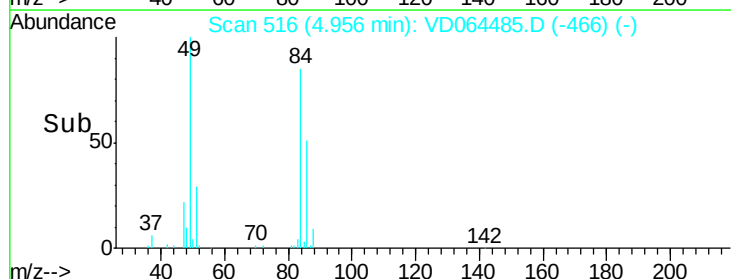
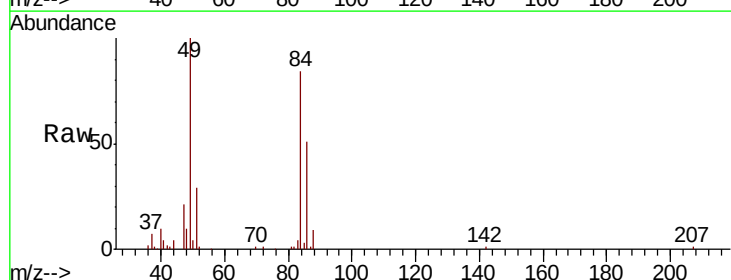
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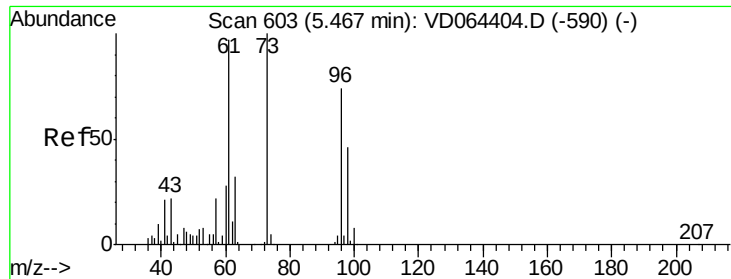
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#20
Methylene Chloride
Concen: 23.362 ug/l
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD064485.D
Acq: 10 Dec 2019 12:11

Tgt Ion: 84 Resp: 104642
Ion Ratio Lower Upper
84 100
49 118.7 102.6 153.8
51 34.5 32.0 48.0
86 60.2 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 22.560 ug/l

RT: 5.46 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD064485.D

Acq: 10 Dec 2019 12:11

Instrument :

MSVOA_D

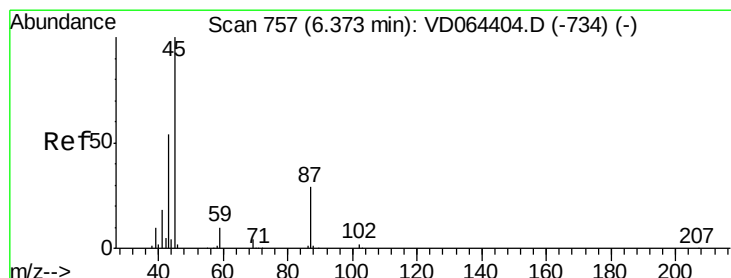
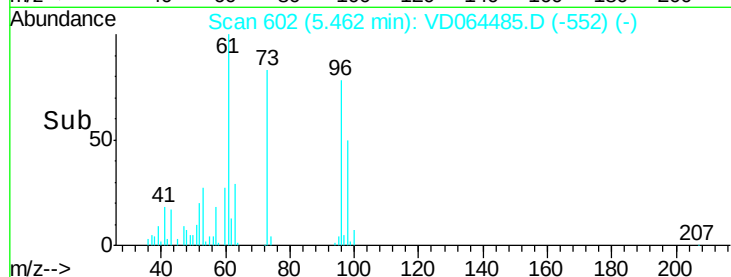
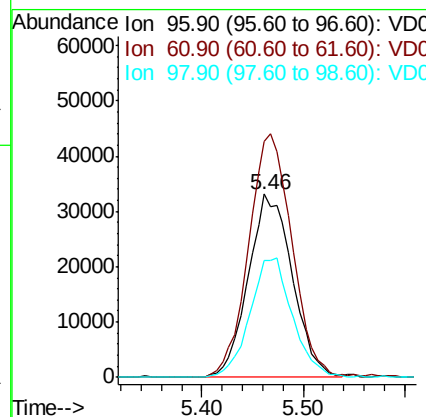
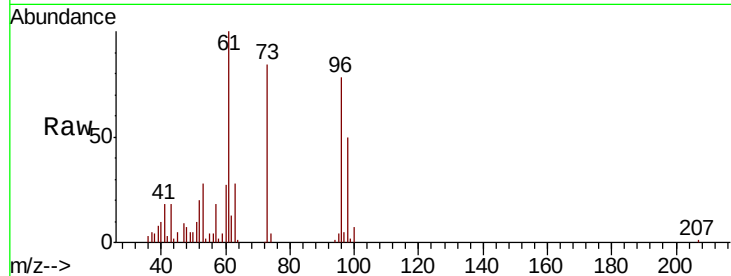
ClientSampleId :

VD1210SBSD01

Tot Ion:	96	Resp:	100647
Ion	Ratio	Lower	Upper
96	100		
61	128.9	105.8	158.6
98	64.1	50.1	75.1

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#22

Diisopropyl ether

Concen: 22.134 ug/l

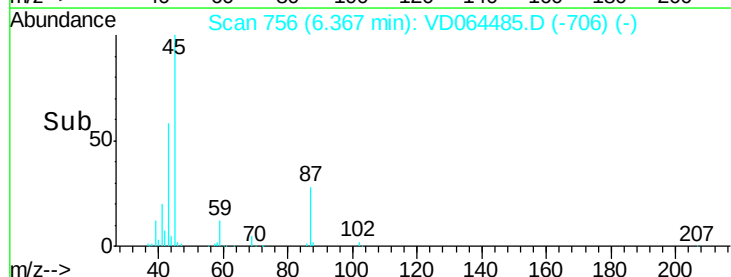
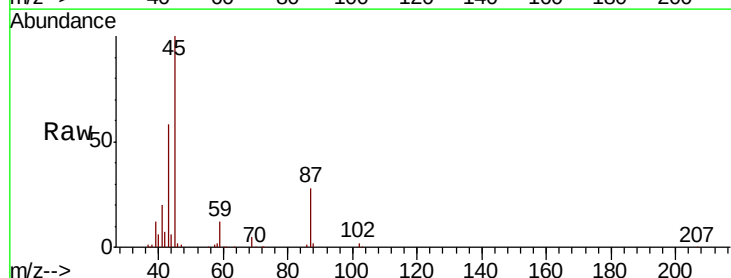
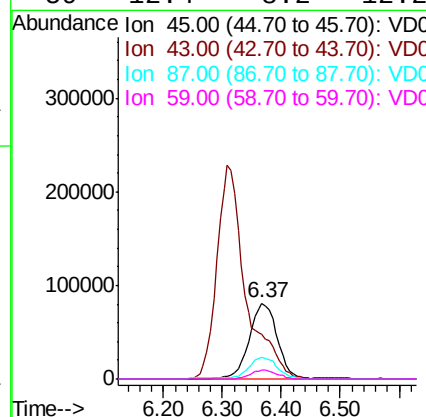
RT: 6.37 min Scan# 756

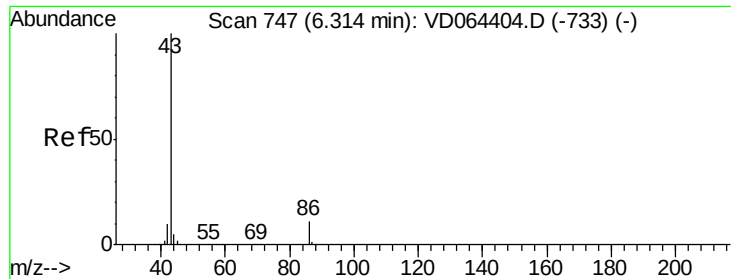
Delta R.T. -0.01 min

Lab File: VD064485.D

Acq: 10 Dec 2019 12:11

Tgt Ion:	45	Resp:	268949
Ion	Ratio	Lower	Upper
45	100		
43	57.3	43.1	64.7
87	28.2	23.5	35.3
59	12.4	8.2	12.2#





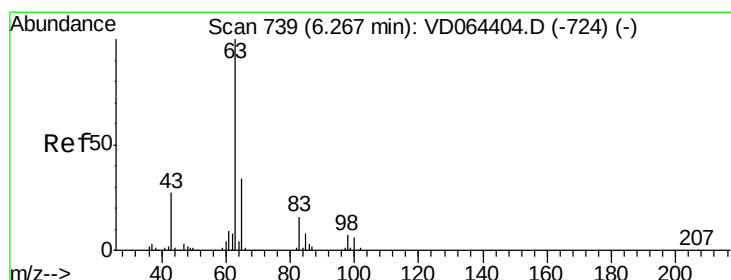
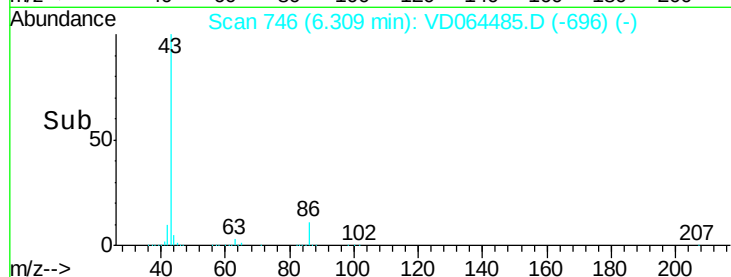
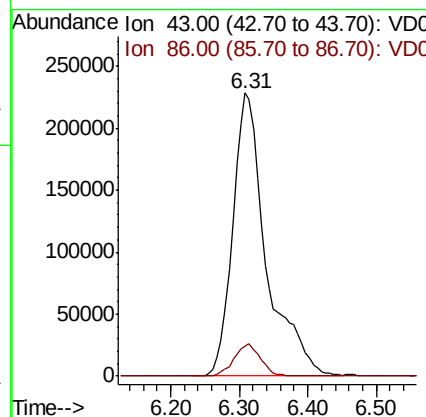
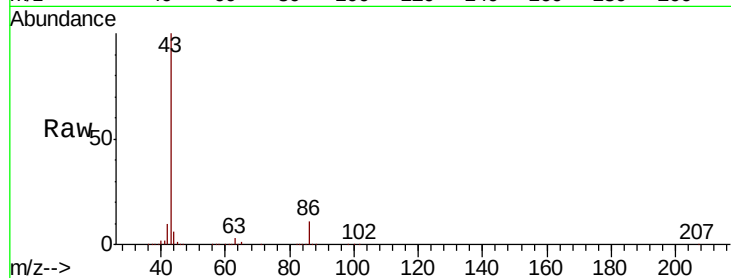
#23
 Vinyl Acetate
 Concen: 108.102 ug/l
 RT: 6.31 min Scan# 746
 Delta R.T. -0.01 min
 Lab File: VD064485.D
 Acq: 10 Dec 2019 12:11

Instrument :
 MSVOA_D
 ClientSampleID :
 VD1210SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
86	10.7	8.9	13.3

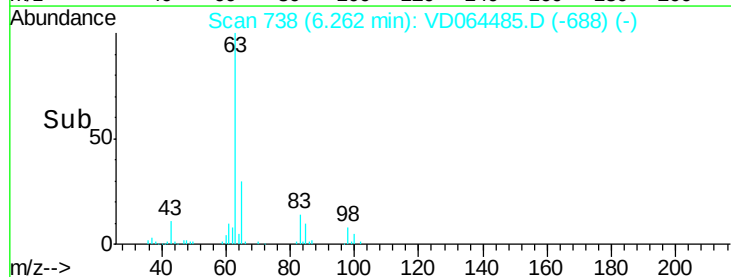
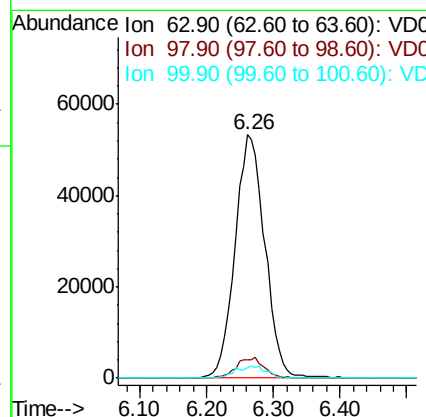
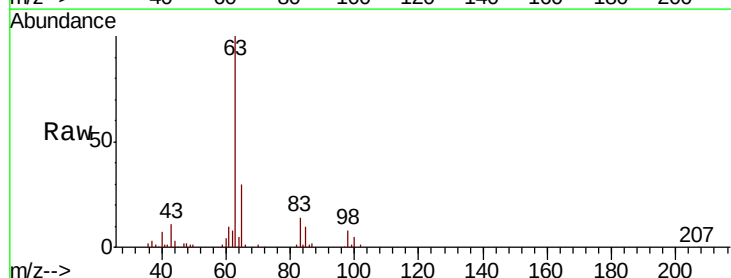
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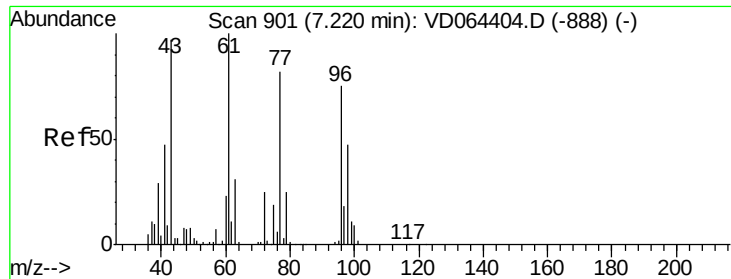
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#24
 1,1-Dichloroethane
 Concen: 22.644 ug/l
 RT: 6.26 min Scan# 738
 Delta R.T. -0.01 min
 Lab File: VD064485.D
 Acq: 10 Dec 2019 12:11

Tgt Ion	Ratio	Lower	Upper
63	100		
98	7.8	3.6	10.9
100	4.5	2.9	8.6





#25

2-Butanone

Concen: 106.638 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD064485.D

Acq: 10 Dec 2019 12:11

Instrument :

MSVOA_D

ClientSampleId :

VD1210SBS01

Tot Ion: 43 Resp: 120703

Ion Ratio Lower Upper

43 100

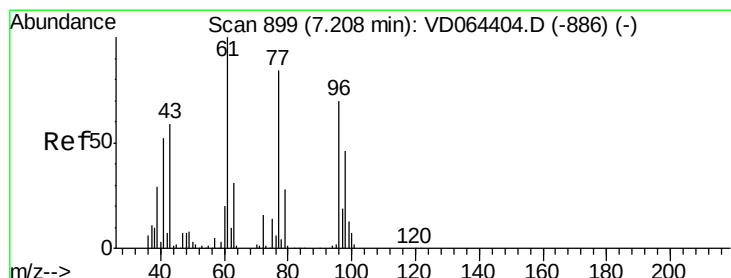
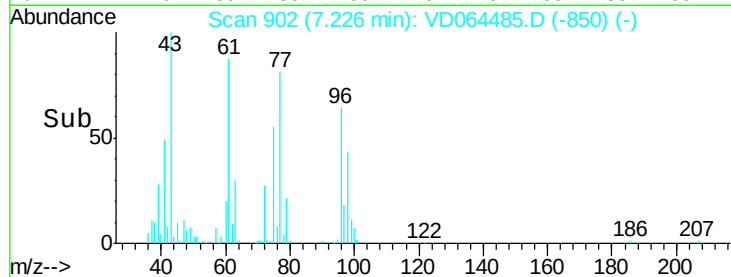
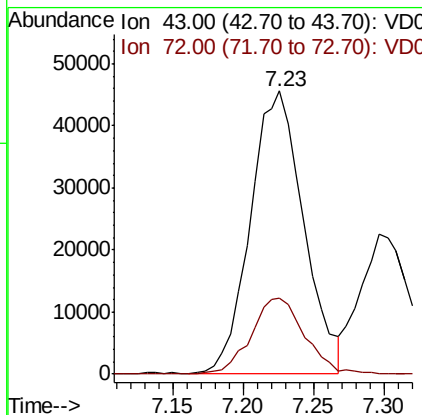
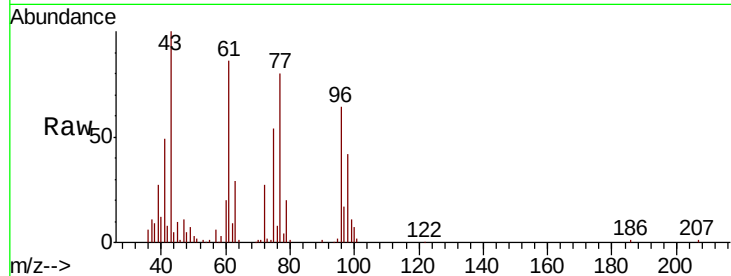
72 27.0 21.0 31.4

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 23.688 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD064485.D

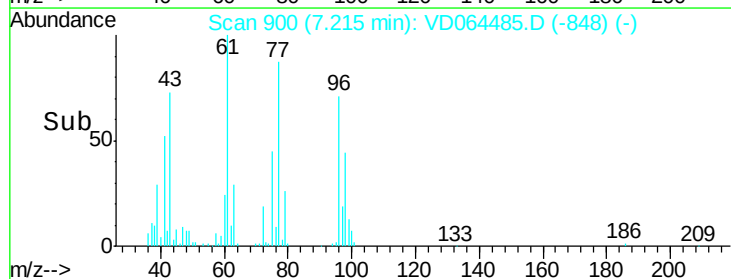
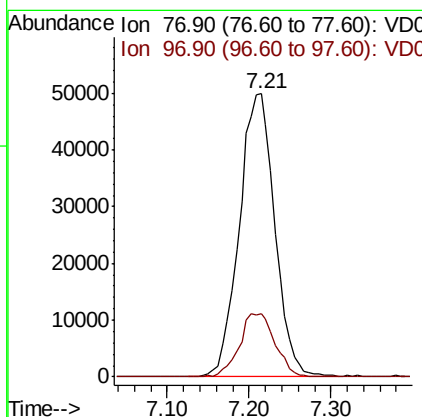
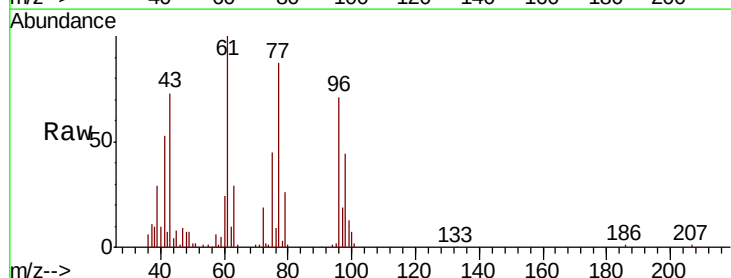
Acq: 10 Dec 2019 12:11

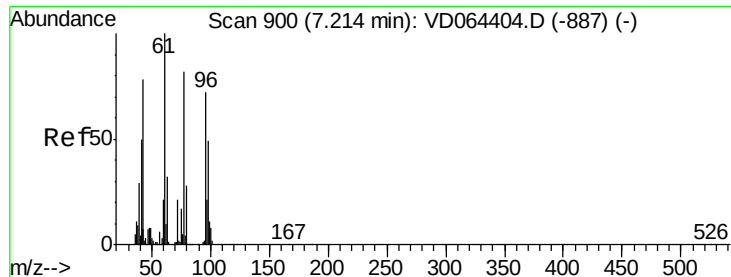
Tgt Ion: 77 Resp: 150538

Ion Ratio Lower Upper

77 100

97 22.3 11.6 34.7





#27

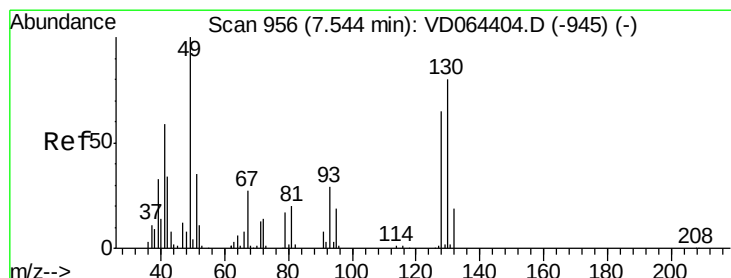
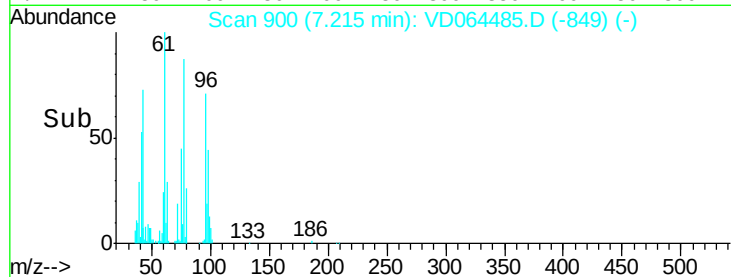
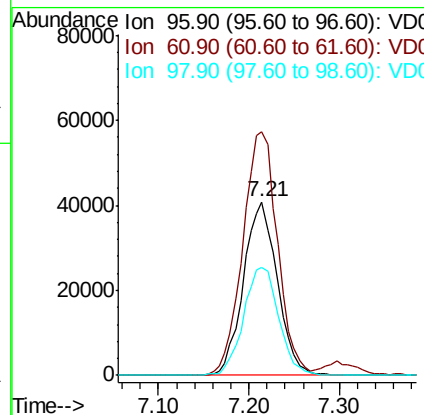
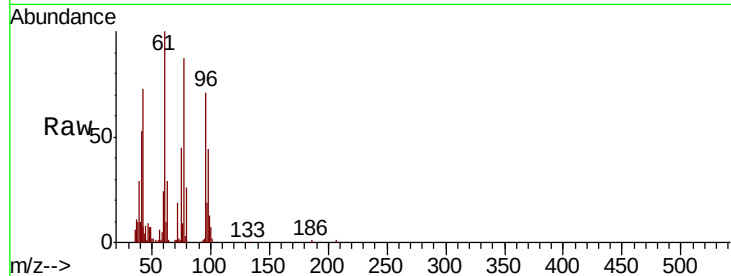
cis-1,2-Dichloroethene
Concen: 21.760 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD064485.D
Acq: 10 Dec 2019 12:11

Instrument :
MSVOA_D
ClientSampleId :
VD1210SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	105837		
61	143.8	0.0	279.6	
98	64.6	0.0	129.2	

Manual Integrations
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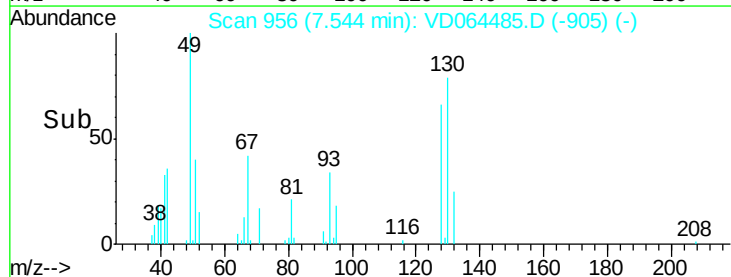
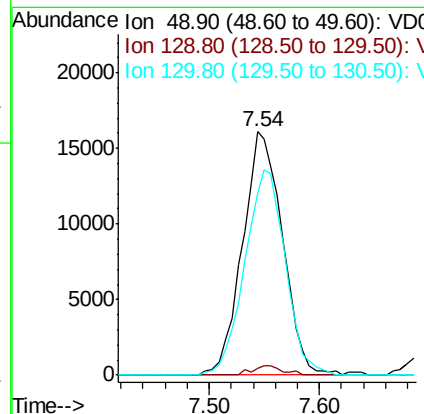
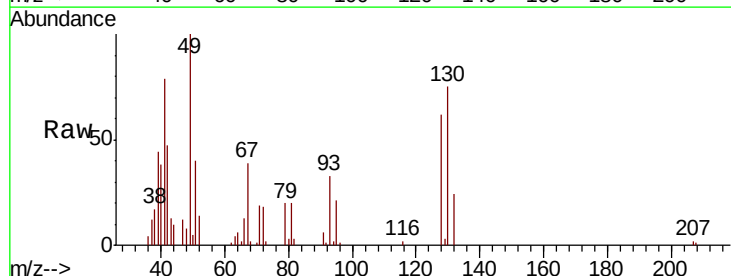
apatel
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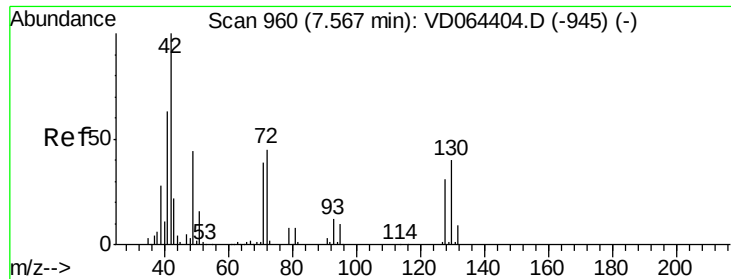


#28

Bromochloromethane
Concen: 16.371 ug/l
RT: 7.54 min Scan# 956
Delta R.T. 0.00 min
Lab File: VD064485.D
Acq: 10 Dec 2019 12:11

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	40884		
129	2.9	0.0	4.4	
130	85.6	67.4	101.0	





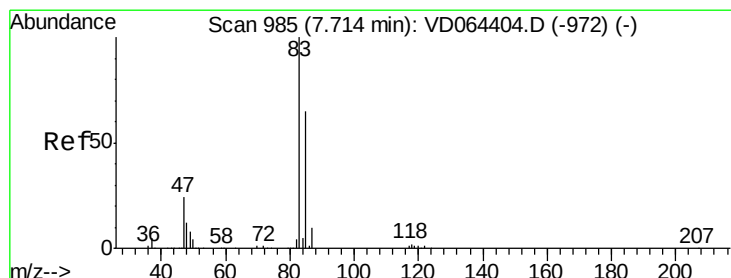
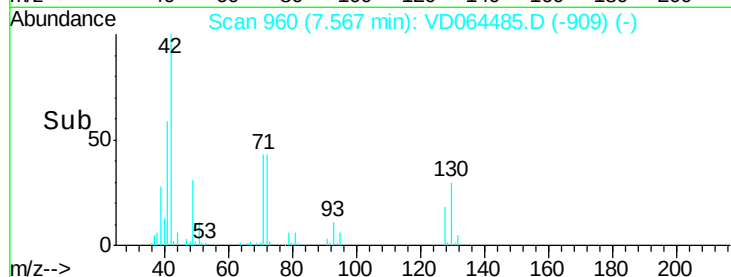
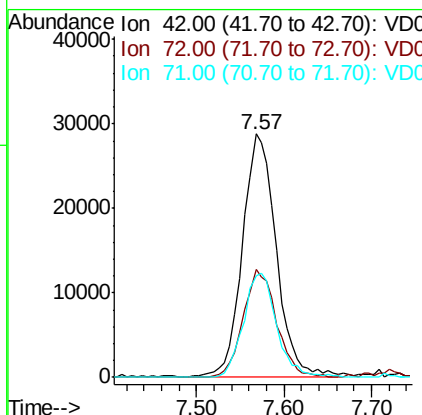
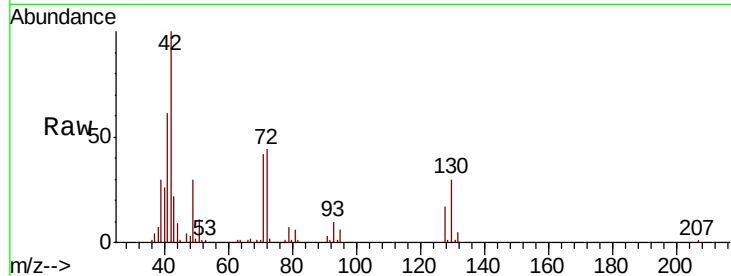
#29
Tetrahydrofuran
Concen: 105.140 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.00 min
Lab File: VD064485.D
Acq: 10 Dec 2019 12:11

Instrument :
MSVOA_D
ClientSampleId :
VD1210SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.6	35.8	53.8
71	42.1	32.7	49.1

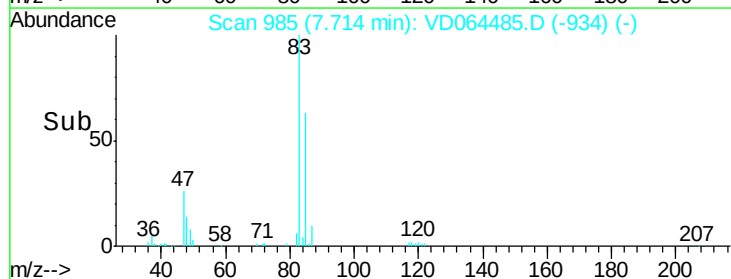
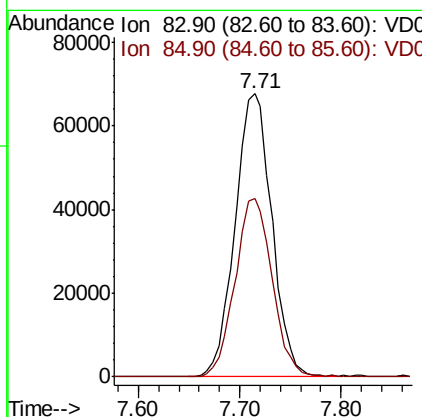
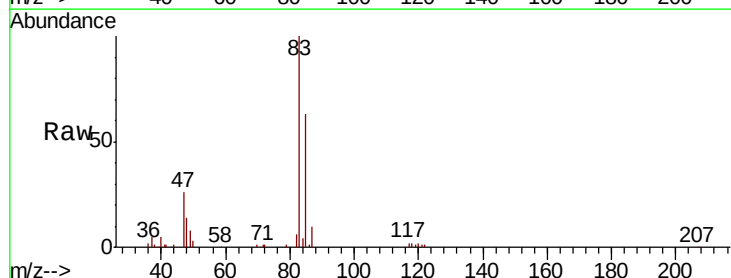
Manual Integrations
APPROVED

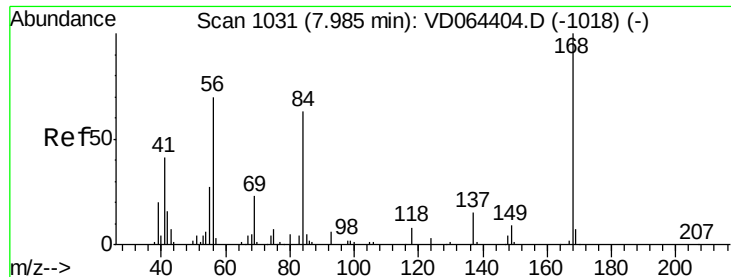
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#30
Chloroform
Concen: 22.528 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064485.D
Acq: 10 Dec 2019 12:11

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.1	51.8	77.6





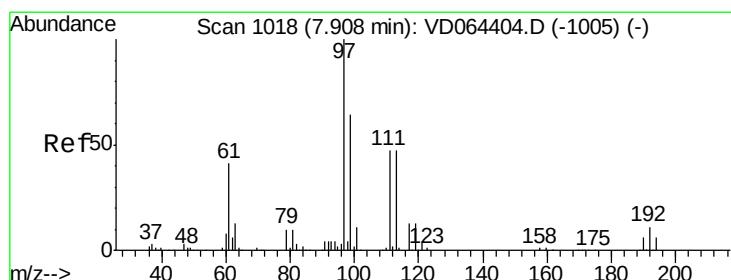
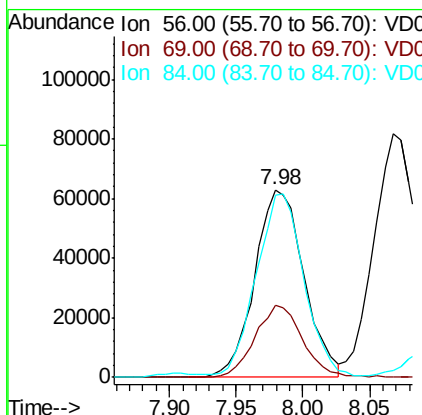
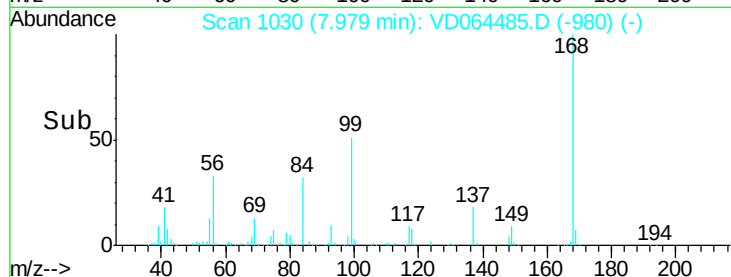
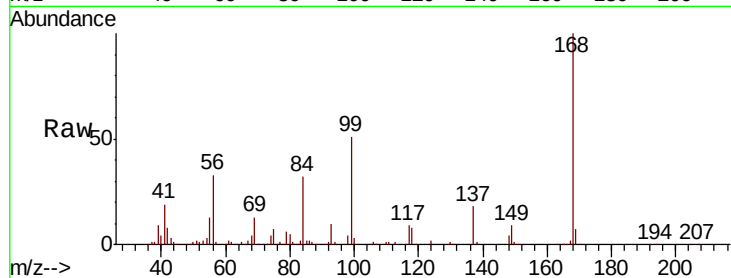
#31
Cyclohexane
Concen: 22.610 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VD064485.D
Acq: 10 Dec 2019 12:11

Instrument :
MSVOA_D
ClientSampleId :
VD1210SBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.2	26.2	39.4
84	95.5	70.3	105.5

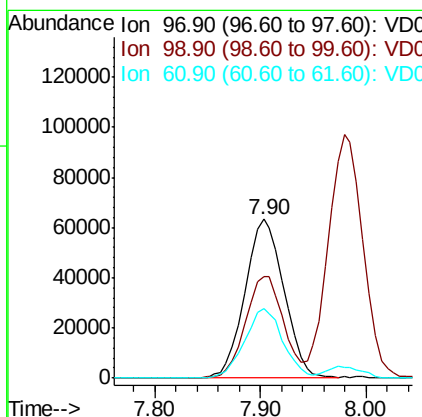
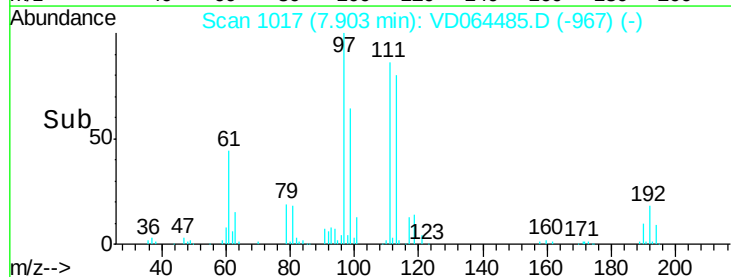
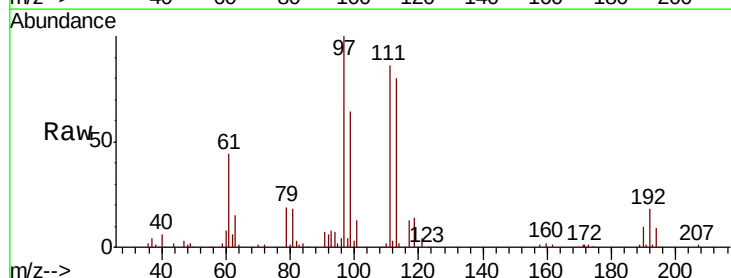
Manual Integrations
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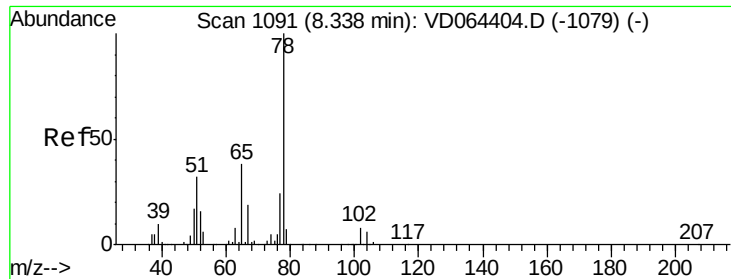
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#32
1,1,1-Trichloroethane
Concen: 23.105 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064485.D
Acq: 10 Dec 2019 12:11

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.4	51.4	77.2
61	43.0	35.0	52.4





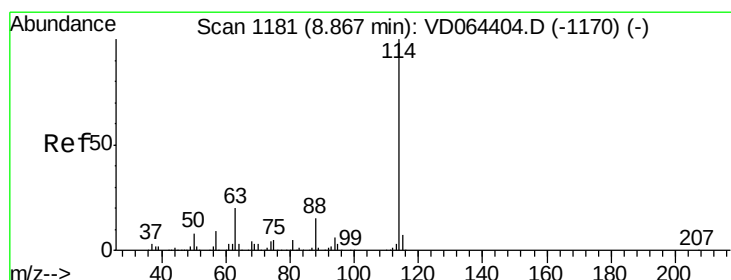
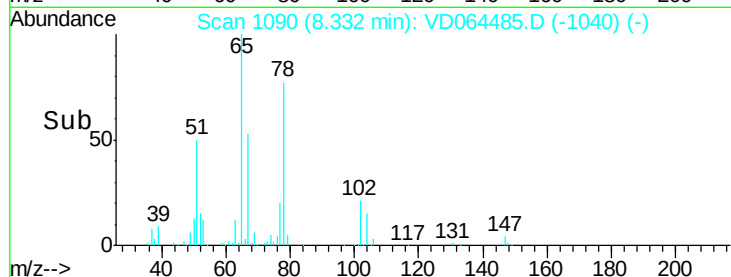
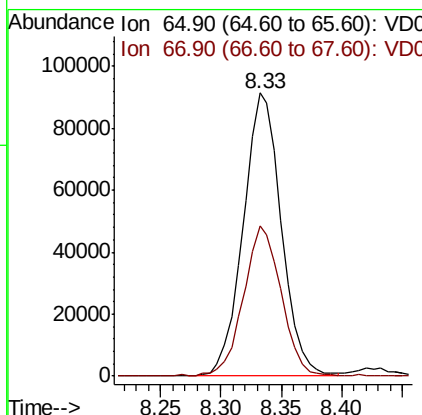
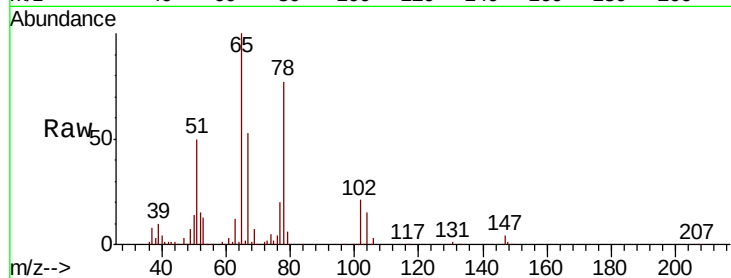
#33
 1,2-Dichloroethane-d4
 Concen: 50.767 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD064485.D
 Acq: 10 Dec 2019 12:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1210SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	201073		
67	52.6	0.0	102.0	

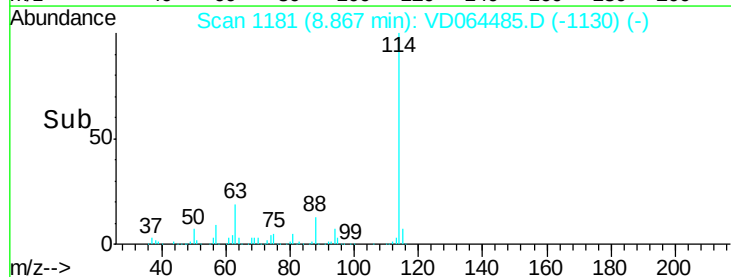
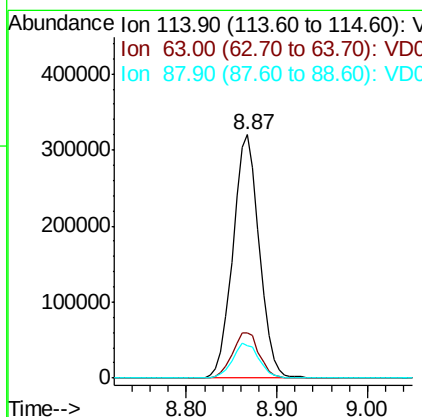
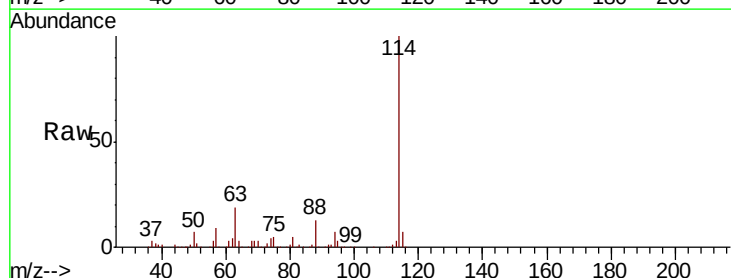
Manual Integrations
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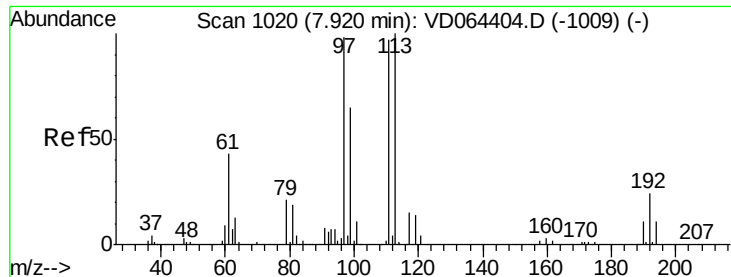
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064485.D
 Acq: 10 Dec 2019 12:11

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	647619		
63	18.6	0.0	40.0	
88	13.1	0.0	29.2	





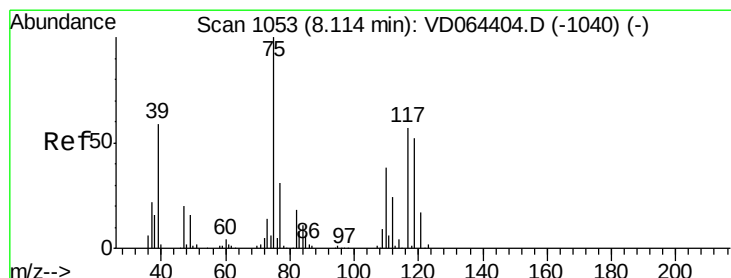
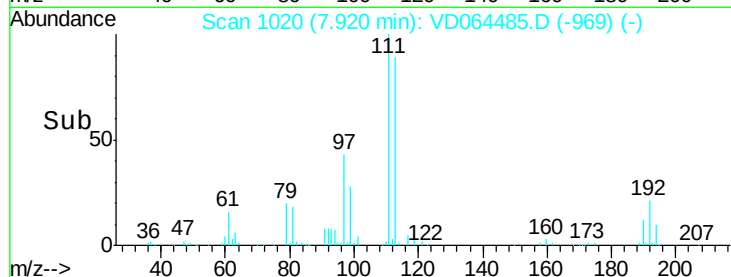
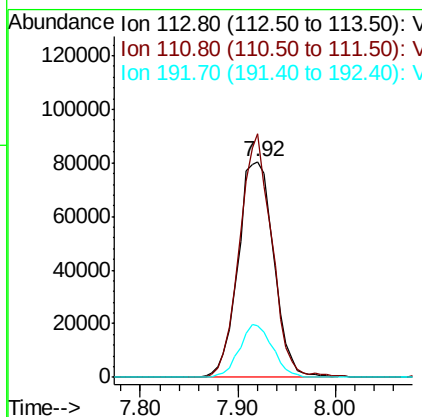
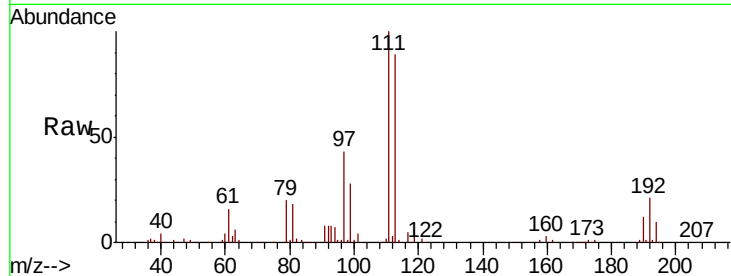
#35
 Dibromofluoromethane
 Concen: 50.131 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064485.D
 Acq: 10 Dec 2019 12:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1210SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	204552		
111	102.4	79.4	119.2	
192	22.9	18.6	28.0	

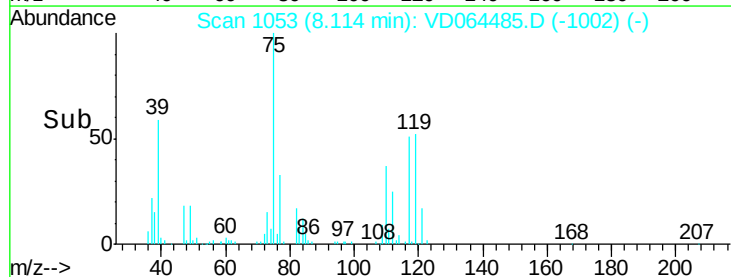
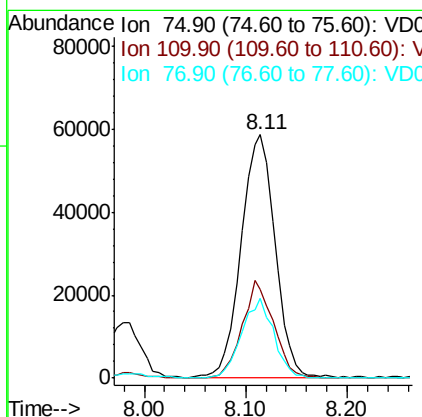
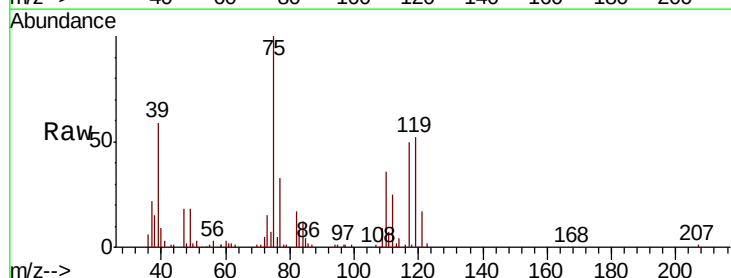
Manual Integrations
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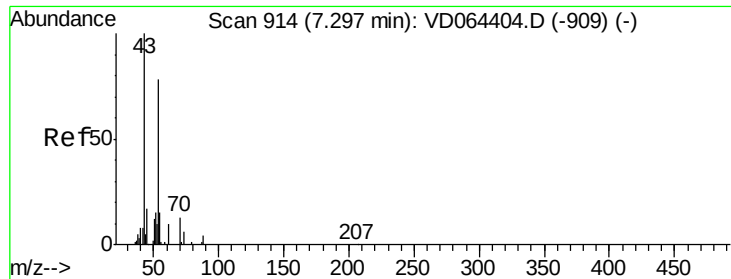
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#36
 1,1-Dichloropropene
 Concen: 22.232 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064485.D
 Acq: 10 Dec 2019 12:11

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	136182		
110	37.1	18.6	55.8	
77	31.1	25.0	37.4	





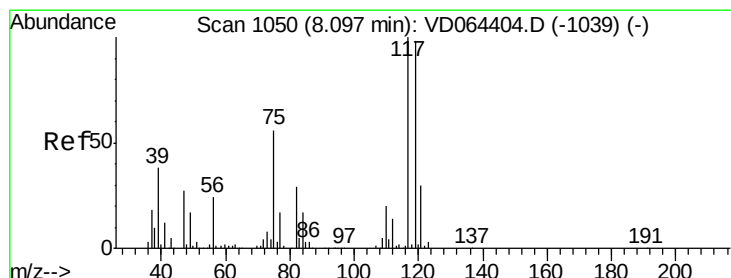
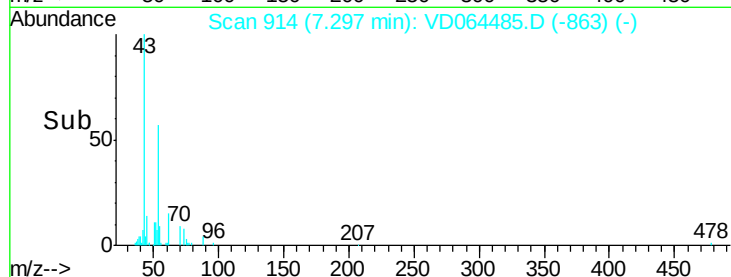
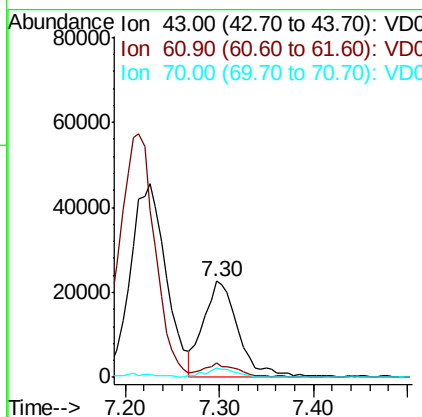
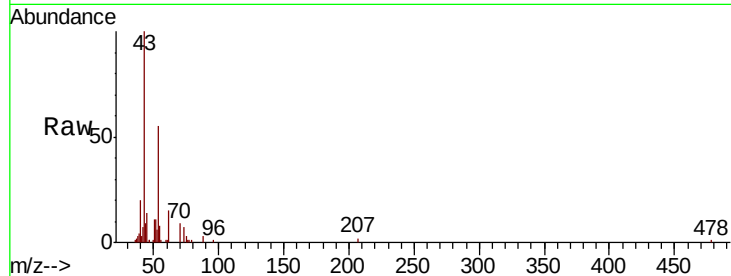
#37
Ethyl Acetate
Concen: 22.325 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD064485.D
Acq: 10 Dec 2019 12:11

Instrument :
MSVOA_D
ClientSampleId :
VD1210SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.2	10.9	16.3
70	8.8	8.3	12.5

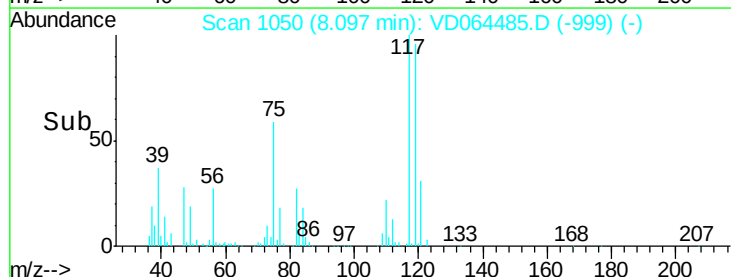
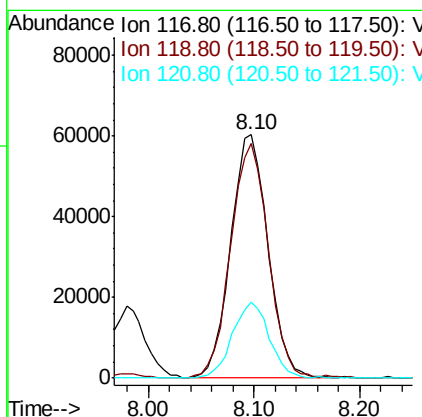
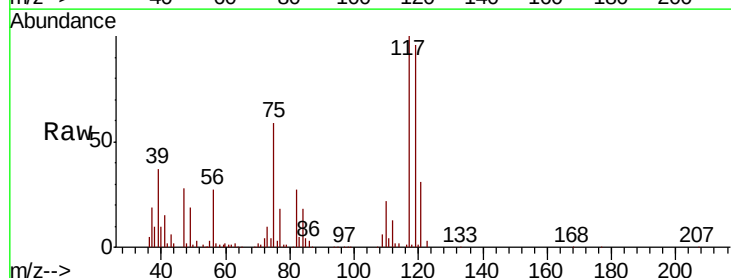
Manual Integrations
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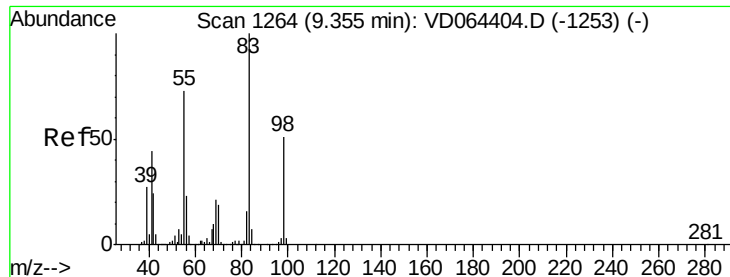
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#38
Carbon Tetrachloride
Concen: 22.784 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064485.D
Acq: 10 Dec 2019 12:11

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.2	78.8	118.2
121	31.4	24.2	36.2





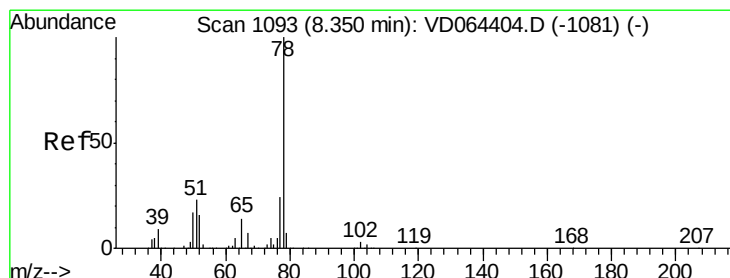
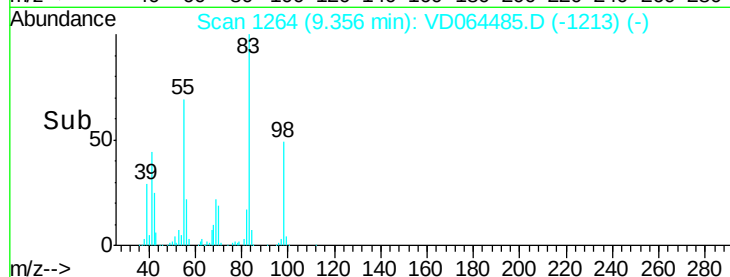
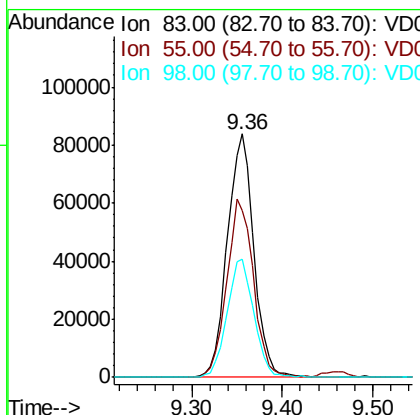
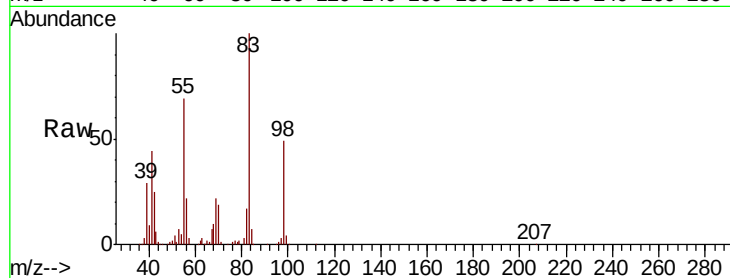
#39
Methylvlcyclohexane
Concen: 22.405 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064485.D
Acq: 10 Dec 2019 12:11

Instrument :
MSVOA_D
ClientSampleId :
VD1210SBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	68.6	58.6	87.8
98	48.5	40.9	61.3

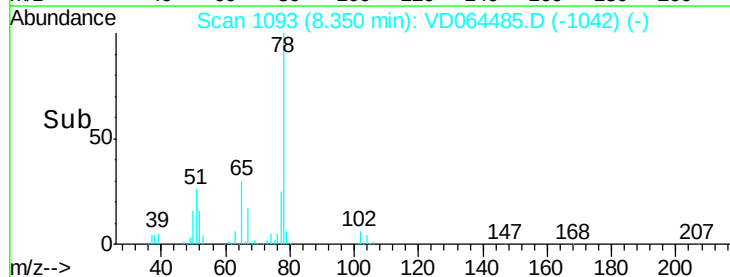
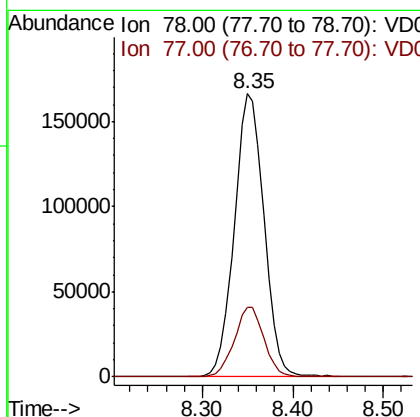
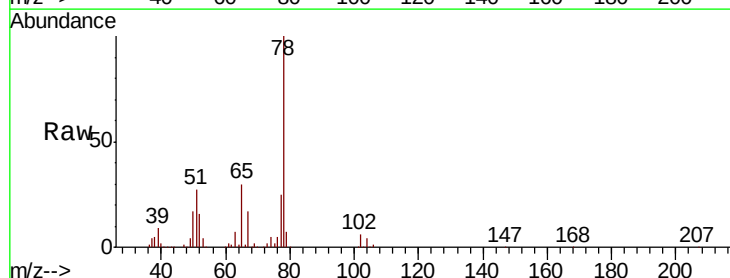
Manual Integrations
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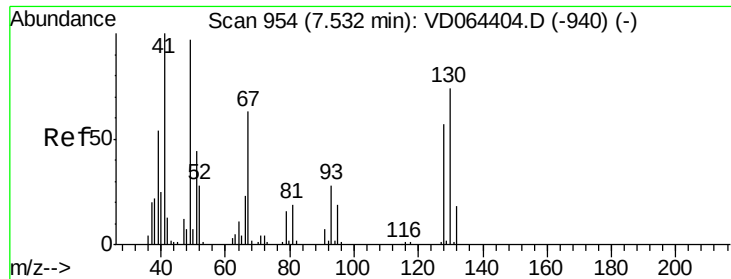
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#40
Benzene
Concen: 22.172 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD064485.D
Acq: 10 Dec 2019 12:11

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.8	19.6	29.4





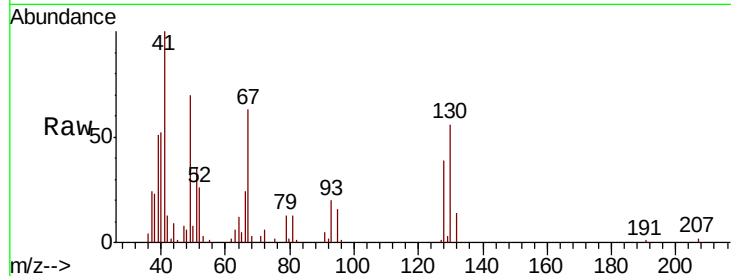
#41
Methacrylonitrile
Concen: 21.014 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.00 min
Lab File: VD064485.D
Acq: 10 Dec 2019 12:11

Instrument :
MSVOA_D
ClientSampleId :
VD1210SBSD01

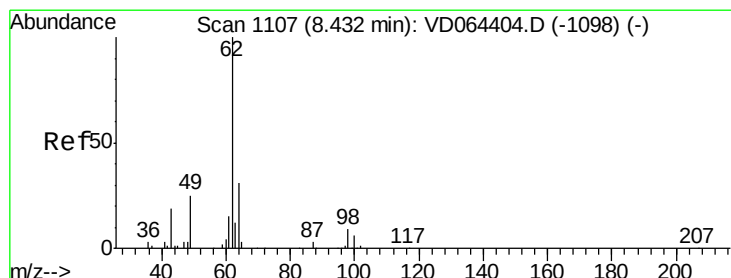
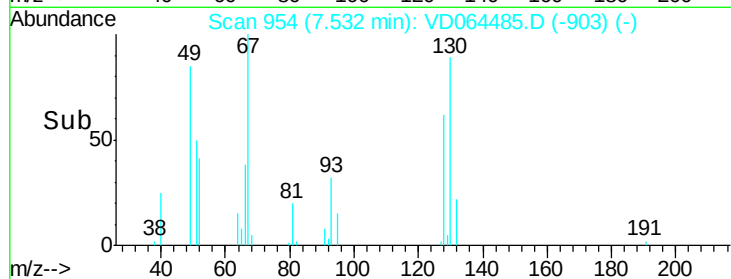
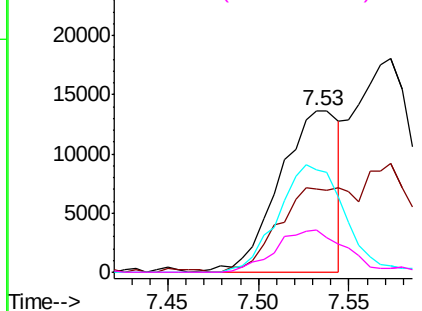
Tot Ion	Ratio	Lower	Upper
41	100		
39	67.1	44.6	67.0#
67	74.0	50.9	76.3
52	31.3	22.5	33.7

Manual Integrations
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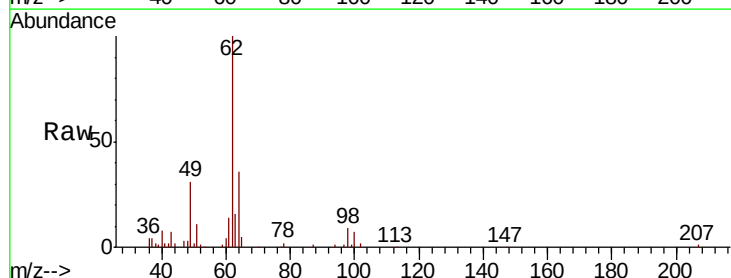


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

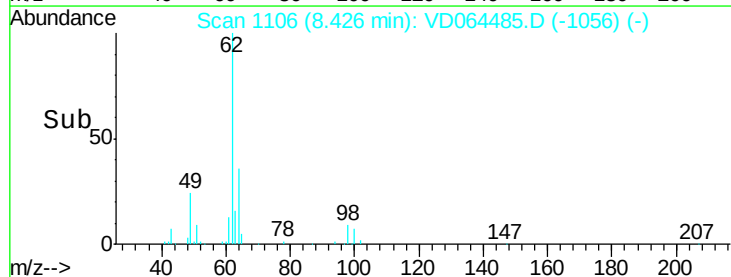
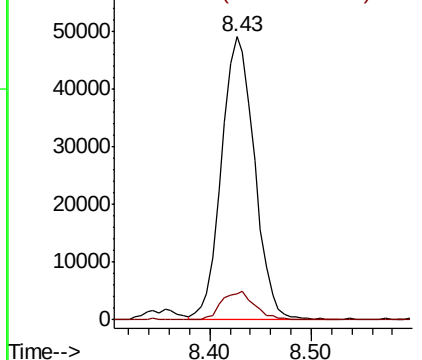


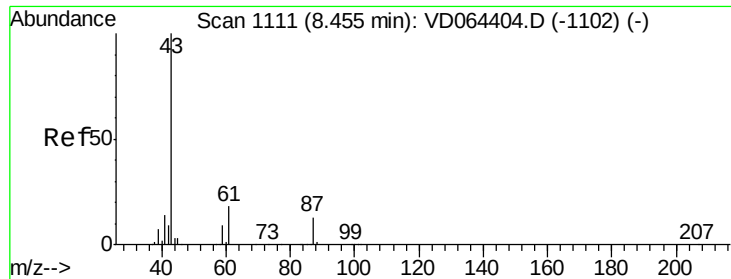
#42
1,2-Dichloroethane
Concen: 22.364 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD064485.D
Acq: 10 Dec 2019 12:11

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.9	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: 21.005 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD064485.D

Acq: 10 Dec 2019 12:11

Instrument :

MSVOA_D

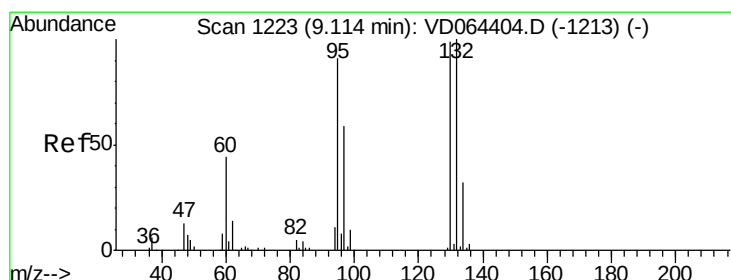
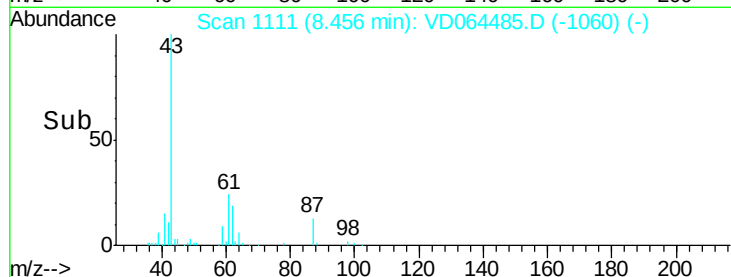
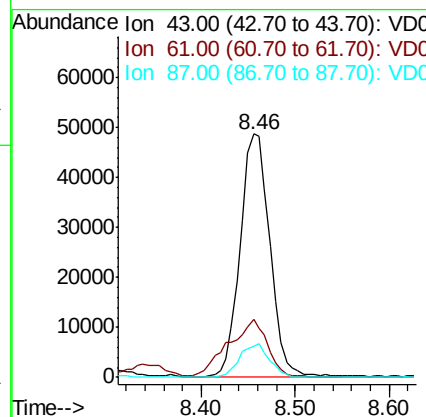
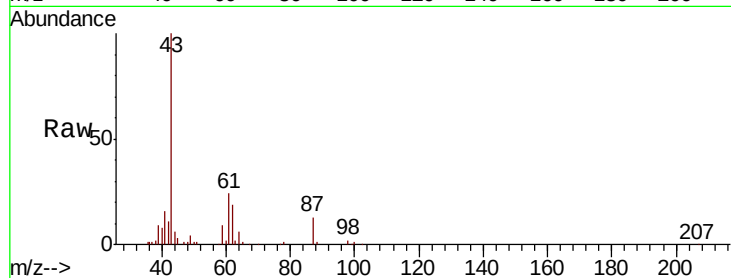
ClientSampleId :

VD1210SBS01

Tot Ion:	43	Resp:	107347
Ion Ratio	Lower	Upper	
43	100		
61	31.4	24.0	36.0
87	13.7	10.6	15.8

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#44

Trichloroethene

Concen: 21.800 ug/l

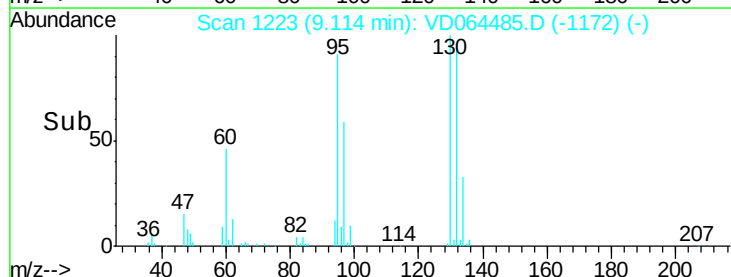
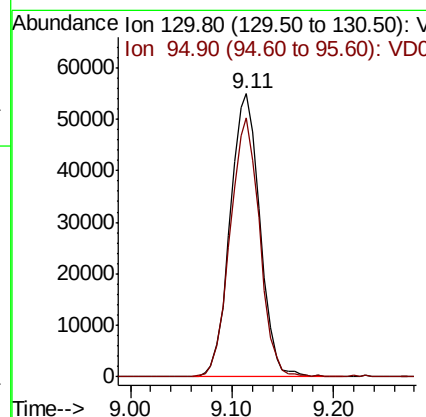
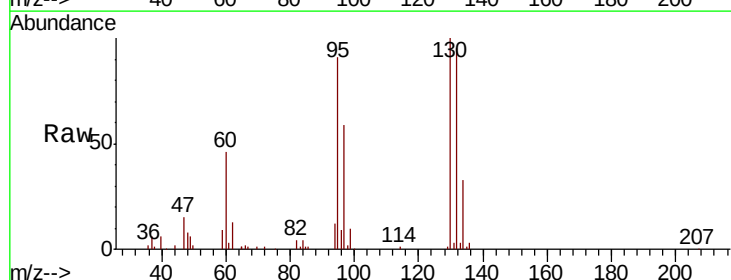
RT: 9.11 min Scan# 1223

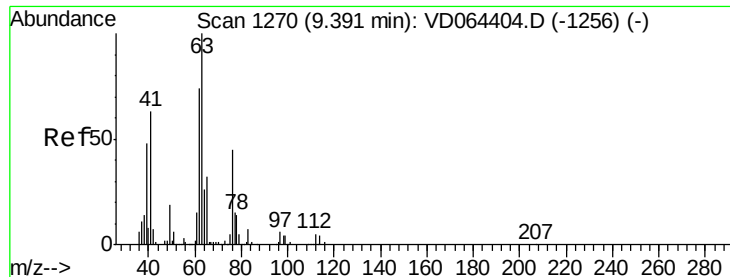
Delta R.T. 0.00 min

Lab File: VD064485.D

Acq: 10 Dec 2019 12:11

Tgt Ion:	130	Resp:	111722
Ion Ratio	Lower	Upper	
130	100		
95	91.4	0.0	184.6





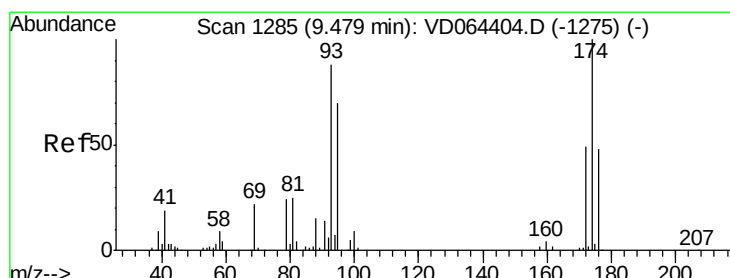
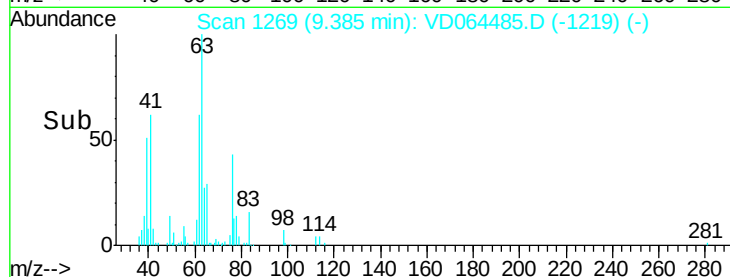
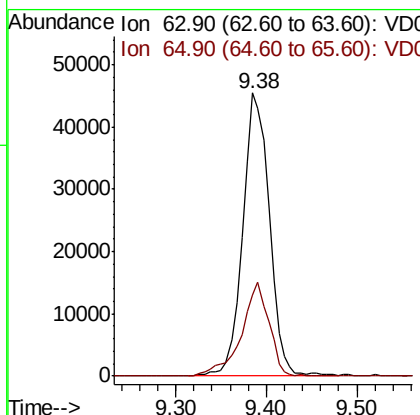
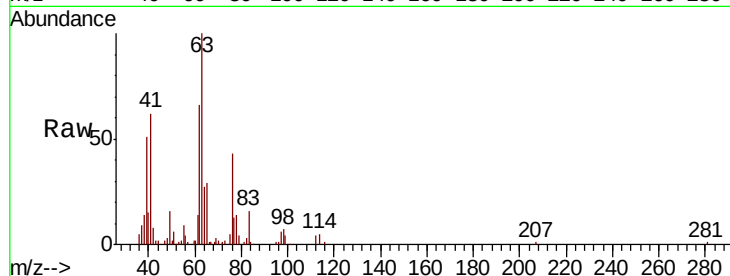
#45
 1,2-Dichloropropane
 Concen: 22.772 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: VD064485.D
 Acq: 10 Dec 2019 12:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1210SBS01

Tot Ion: 63 Resp: 92655
 Ion Ratio Lower Upper
 63 100
 65 28.6 25.4 38.0

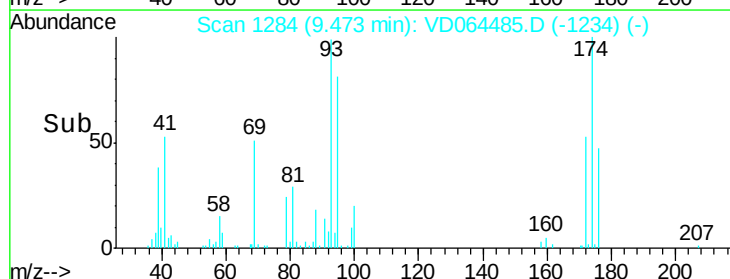
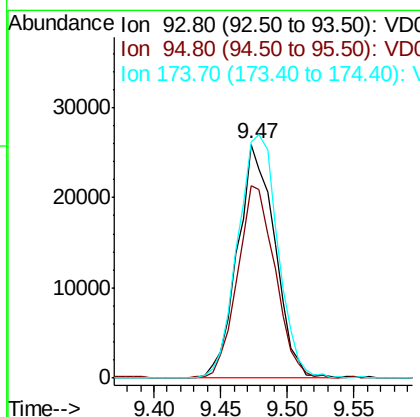
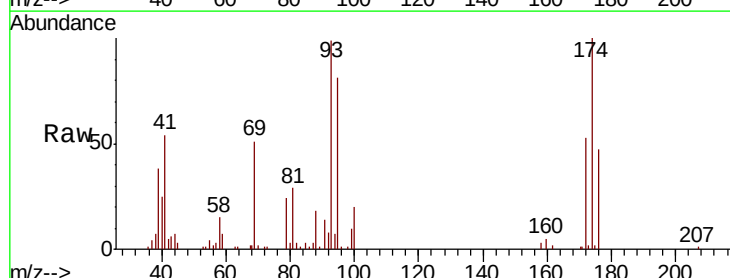
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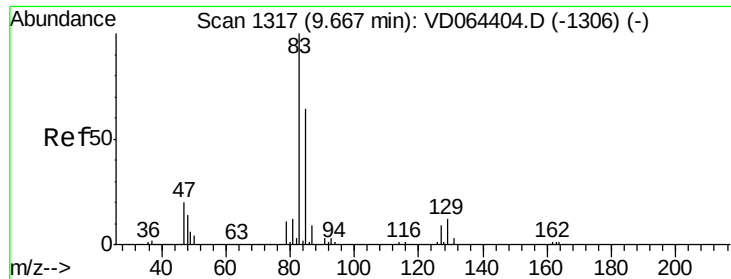
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#46
 Dibromomethane
 Concen: 21.878 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. -0.01 min
 Lab File: VD064485.D
 Acq: 10 Dec 2019 12:11

Tgt Ion: 93 Resp: 50243
 Ion Ratio Lower Upper
 93 100
 95 82.7 66.7 100.1
 174 111.9 92.3 138.5





#47

Bromodichloromethane

Concen: 22.374 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD064485.D

Acq: 10 Dec 2019 12:11

Instrument :

MSVOA_D

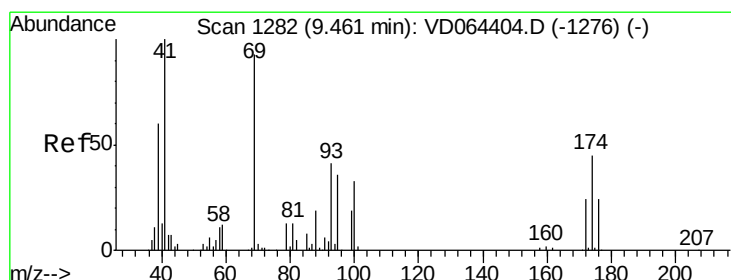
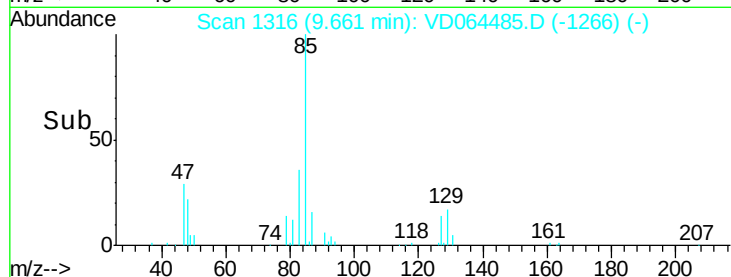
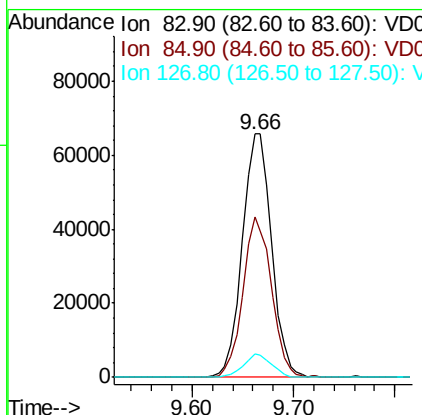
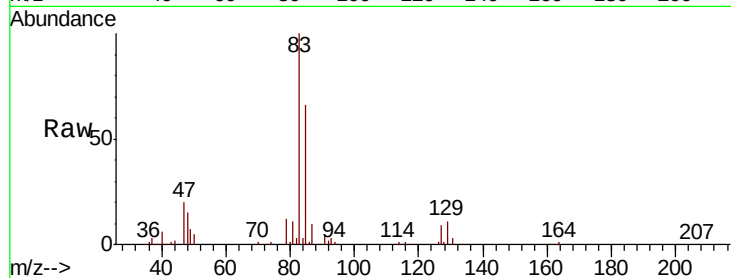
ClientSampleId :

VD1210SBS01

Tot Ion:	83	Resp:	132020
Ion	Ratio	Lower	Upper
83	100		
85	65.8	51.1	76.7
127	9.4	7.4	11.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.655 ug/l

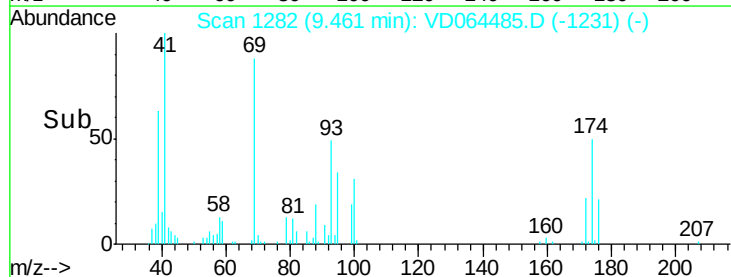
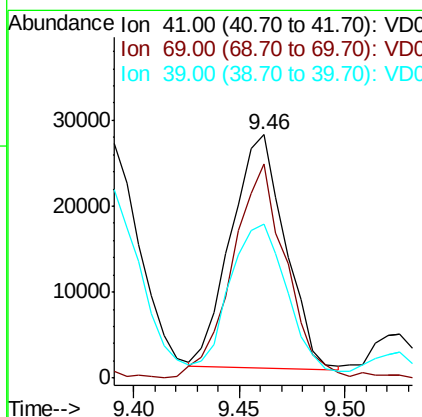
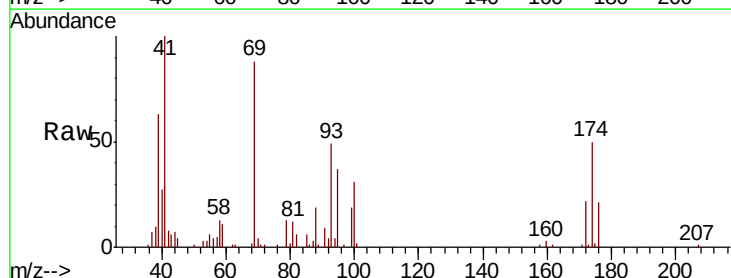
RT: 9.46 min Scan# 1282

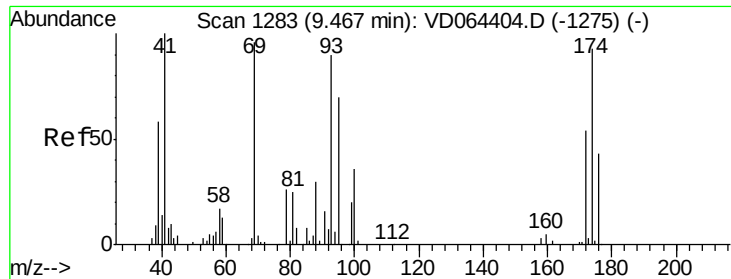
Delta R.T. 0.00 min

Lab File: VD064485.D

Acq: 10 Dec 2019 12:11

Tgt Ion:	41	Resp:	48303
Ion	Ratio	Lower	Upper
41	100		
69	90.8	72.0	108.0
39	65.9	55.2	82.8





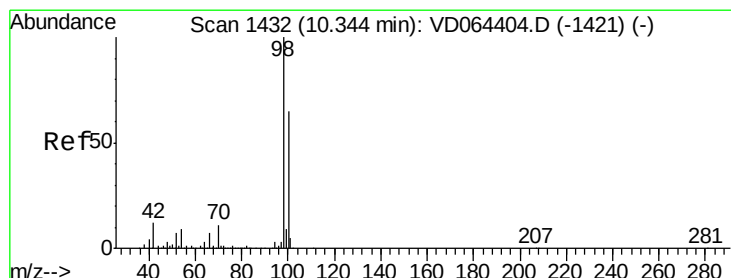
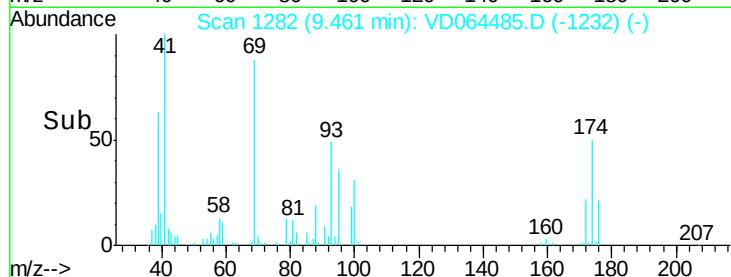
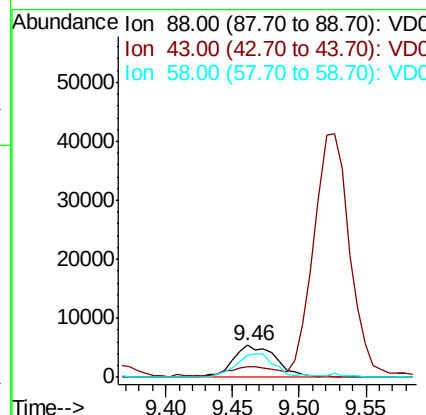
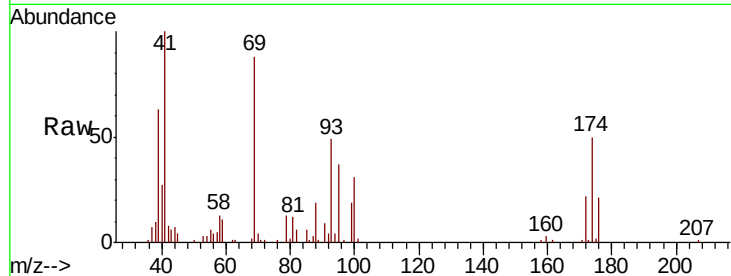
#49
1,4-Dioxane
Concen: 416.955 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VD064485.D
Acq: 10 Dec 2019 12:11

Instrument :
MSVOA_D
ClientSampleId :
VD1210SBS01

Tot Ion	88	Resp	11824
Ion	Ratio	Lower	Upper
88	100		
43	29.9	26.7	40.1
58	69.6	52.3	78.5

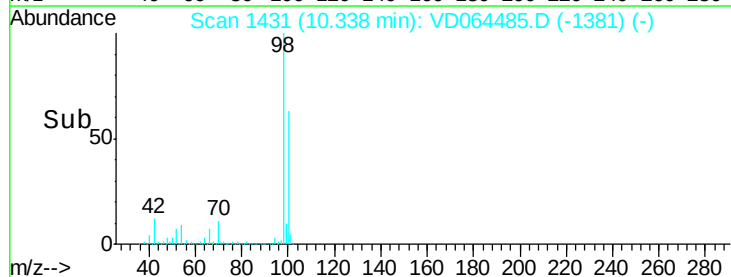
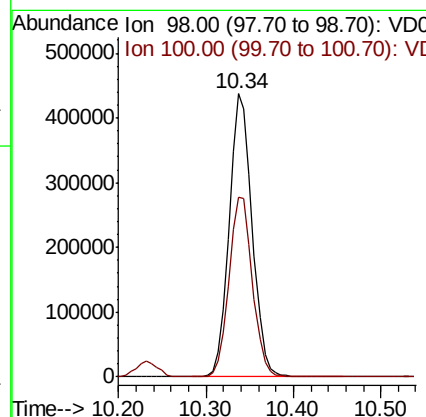
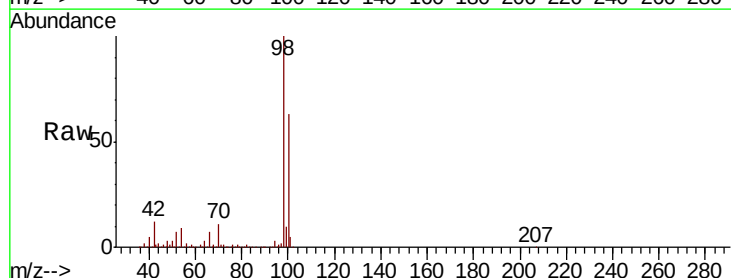
Manual Integrations
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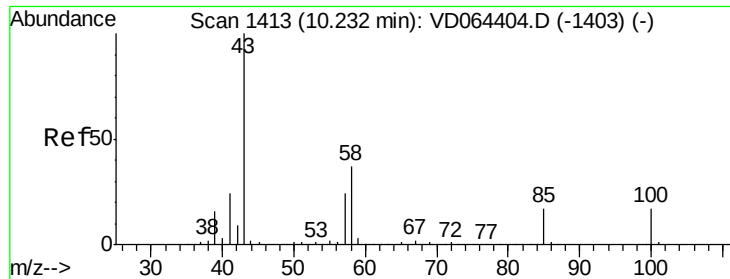
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#50
Toluene-d8
Concen: 51.163 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.01 min
Lab File: VD064485.D
Acq: 10 Dec 2019 12:11

Tgt Ion	98	Resp	786388
Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.6	79.0





#51

4-Methyl-2-Pentanone

Concen: 106.025 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD064485.D

Acq: 10 Dec 2019 12:11

Instrument :

MSVOA_D

ClientSampleId :

VD1210SBS01

Tot Ion: 43 Resp: 268100

Ion Ratio Lower Upper

43 100

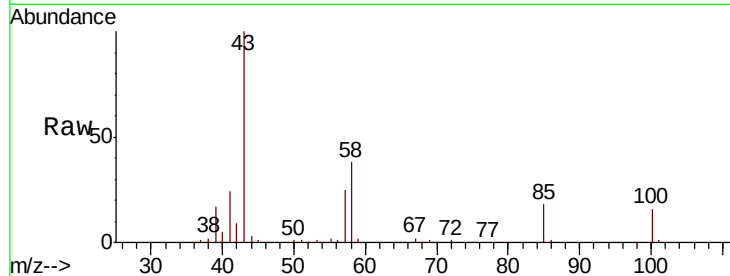
58 38.0 30.6 46.0

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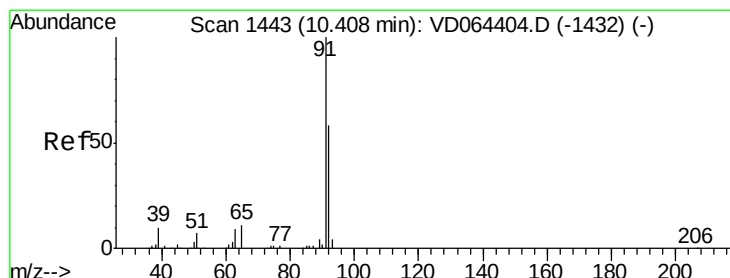
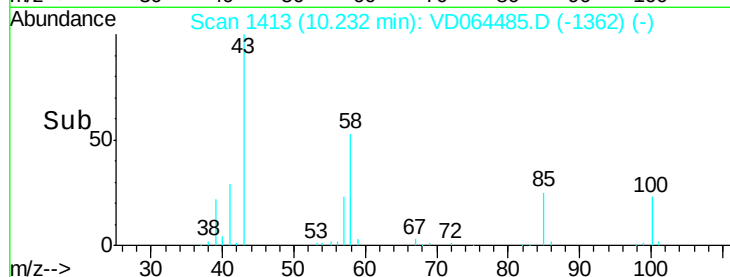
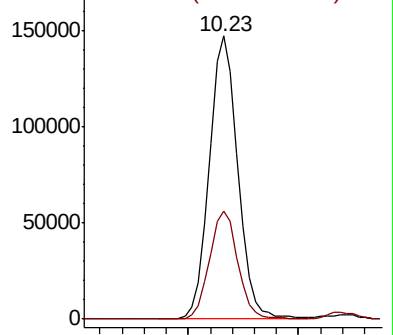
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 21.749 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.01 min

Lab File: VD064485.D

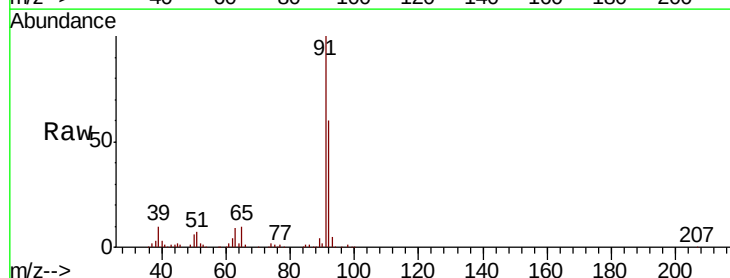
Acq: 10 Dec 2019 12:11

Tgt Ion: 92 Resp: 241141

Ion Ratio Lower Upper

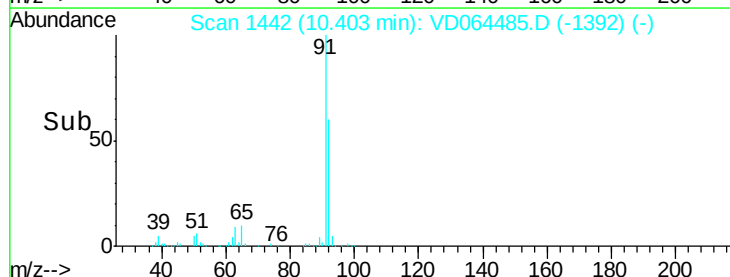
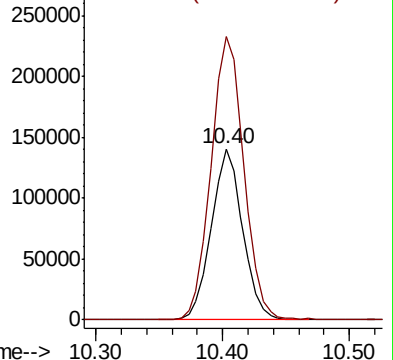
92 100

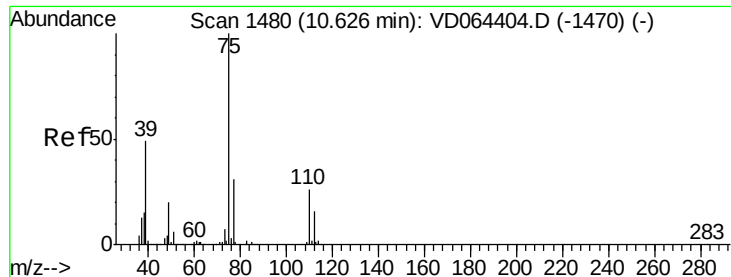
91 174.1 137.8 206.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 21.780 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. -0.01 min

Lab File: VD064485.D

Acq: 10 Dec 2019 12:11

Instrument :

MSVOA_D

ClientSampleId :

VD1210SBS01

Tot Ion: 75 Resp: 122480

Ion Ratio Lower Upper

75 100

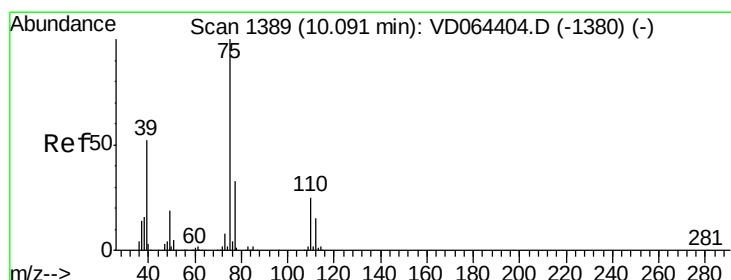
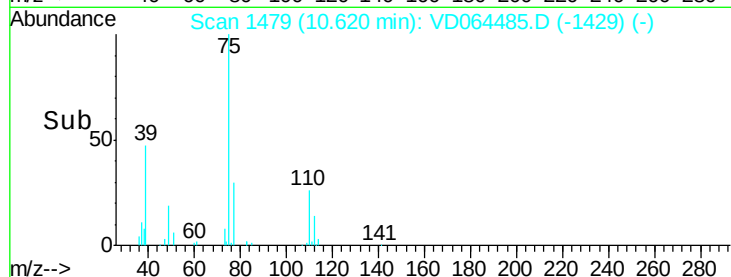
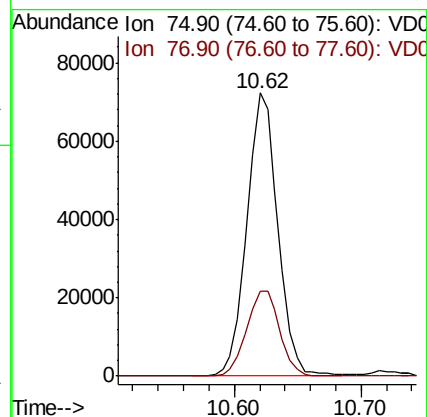
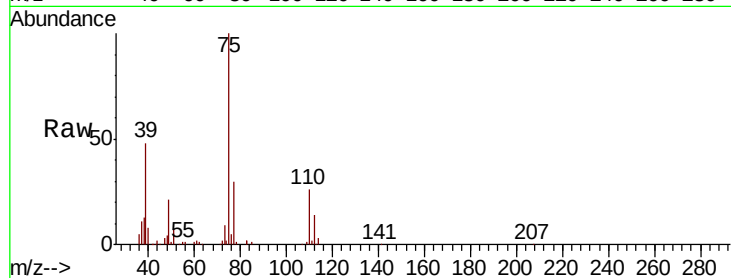
77 30.0 25.0 37.4

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#54

cis-1,3-Dichloropropene

Concen: 21.814 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD064485.D

Acq: 10 Dec 2019 12:11

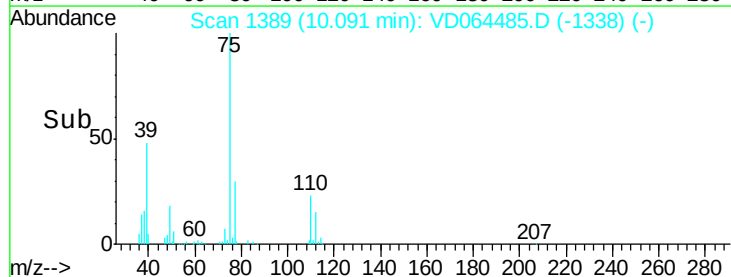
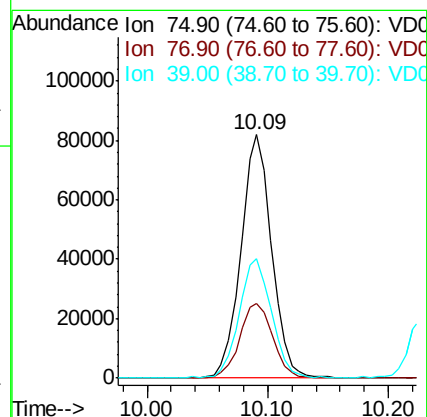
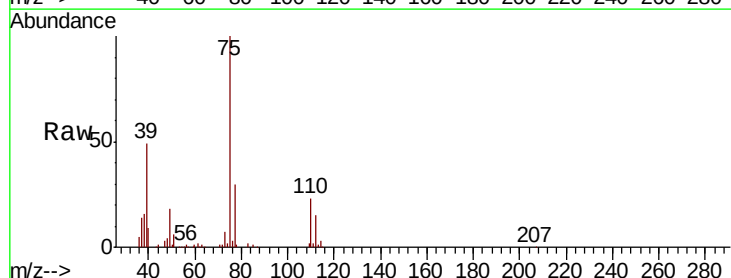
Tgt Ion: 75 Resp: 145734

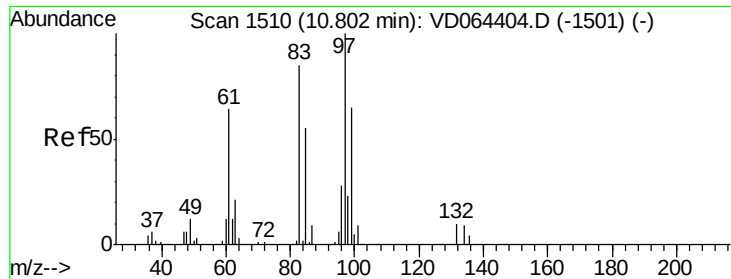
Ion Ratio Lower Upper

75 100

77 30.5 26.1 39.1

39 48.5 41.5 62.3





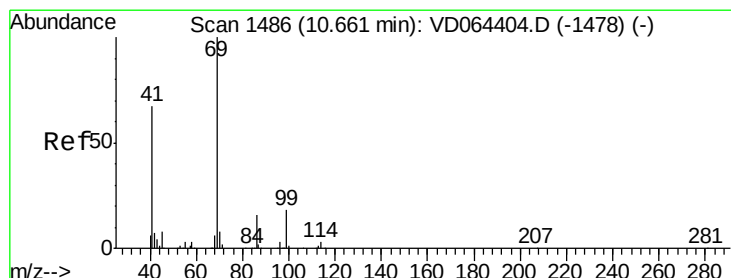
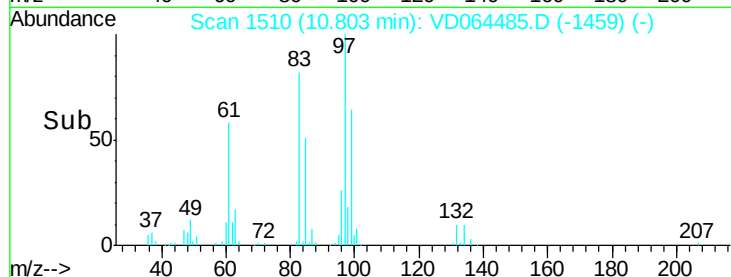
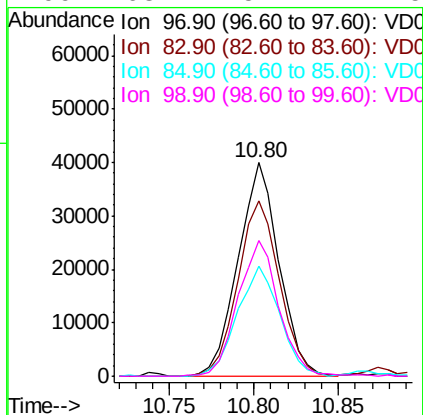
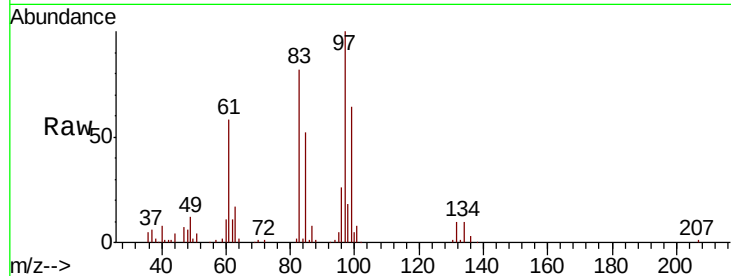
#55
 1,1,2-Trichloroethane
 Concen: 21.434 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064485.D
 Acq: 10 Dec 2019 12:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1210SBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	82.3	67.8	101.8
85	51.8	43.7	65.5
99	63.4	51.7	77.5

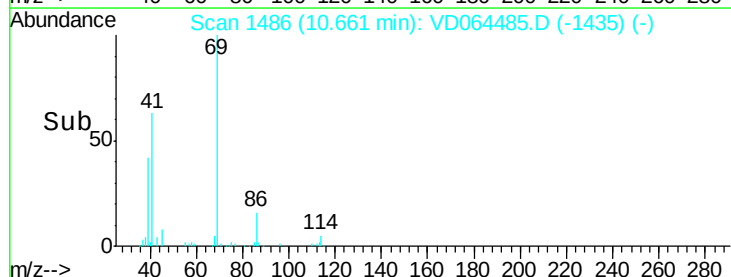
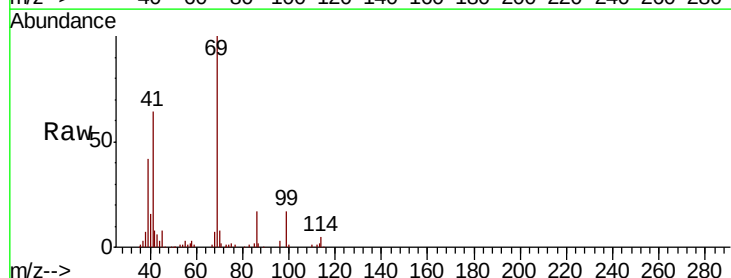
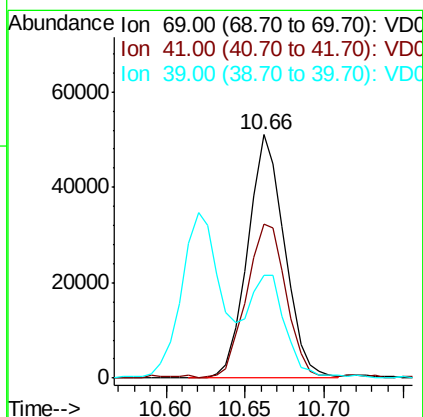
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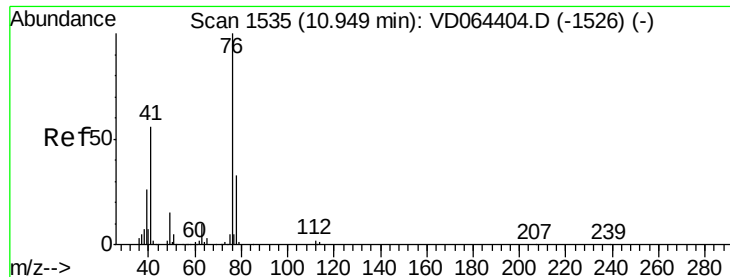
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#56
 Ethyl methacrylate
 Concen: 20.558 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD064485.D
 Acq: 10 Dec 2019 12:11

Tgt Ion	Ratio	Lower	Upper
69	100		
41	67.3	55.0	82.4
39	43.1	33.0	49.6





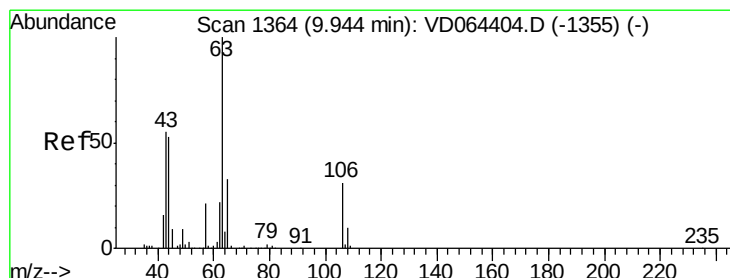
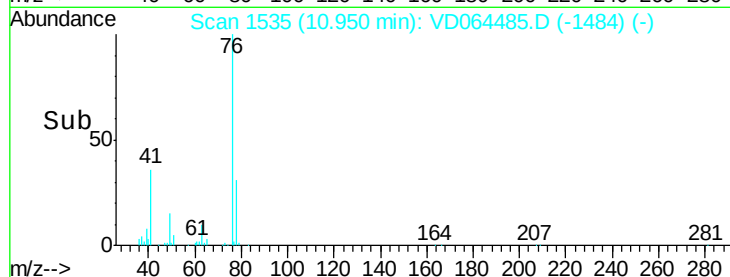
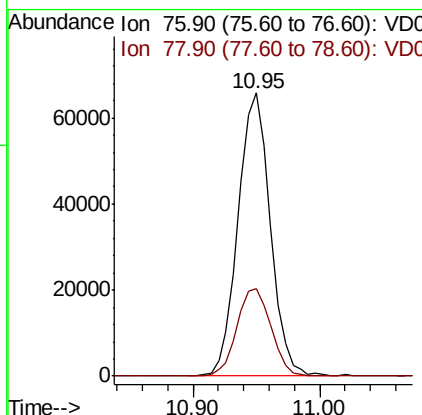
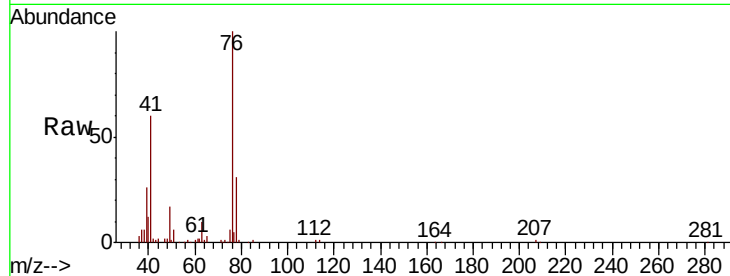
#57
 1,3-Dichloropropane
 Concen: 21.731 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064485.D
 Acq: 10 Dec 2019 12:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1210SBSD01

Tot Ion: 76 Resp: 116324
 Ion Ratio Lower Upper
 76 100
 78 32.7 26.0 39.0

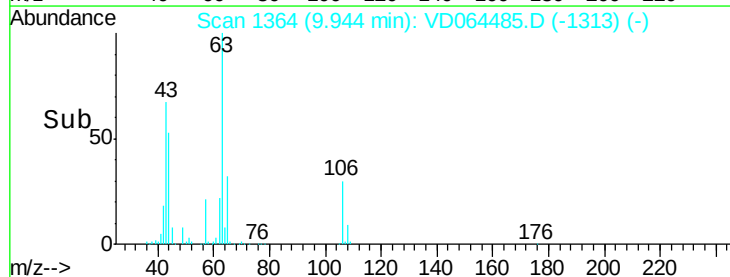
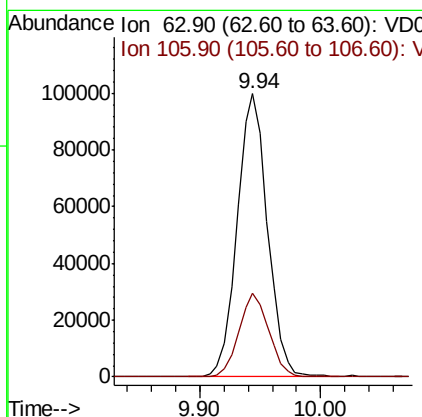
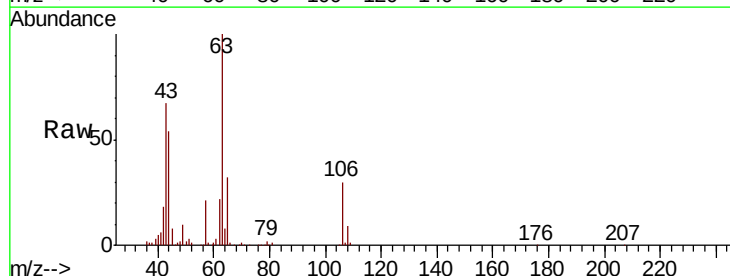
Manual Integrations
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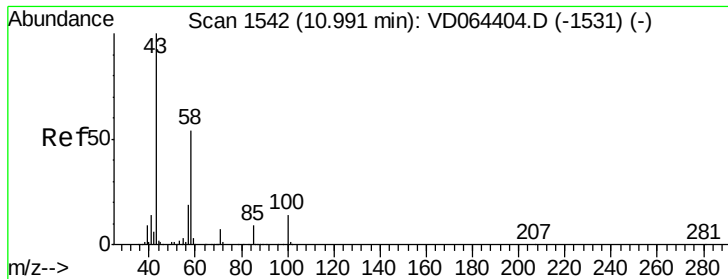
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#58
 2-Chloroethyl Vinyl ether
 Concen: 109.241 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD064485.D
 Acq: 10 Dec 2019 12:11

Tgt Ion: 63 Resp: 174654
 Ion Ratio Lower Upper
 63 100
 106 29.2 24.2 36.4





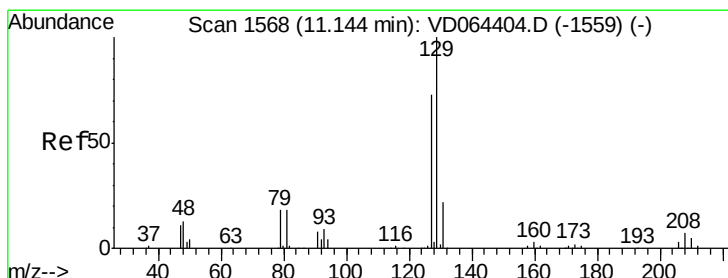
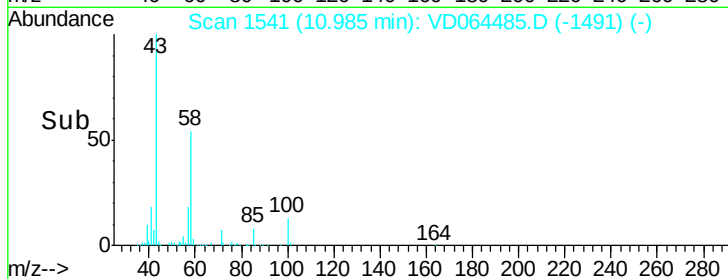
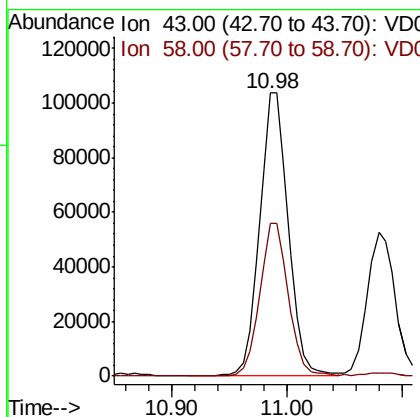
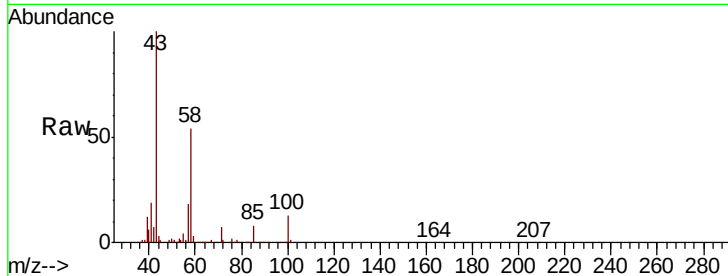
#59
2-Hexanone
Concen: 102.370 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD064485.D
Acq: 10 Dec 2019 12:11

Instrument :
MSVOA_D
ClientSampleId :
VD1210SBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.1	26.3	78.8

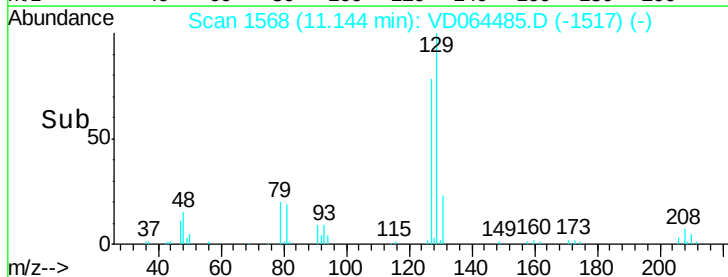
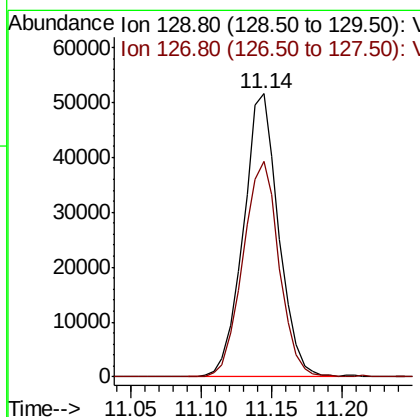
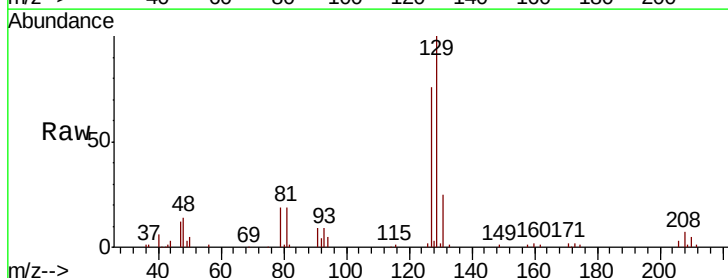
Manual Integrations
APPROVED

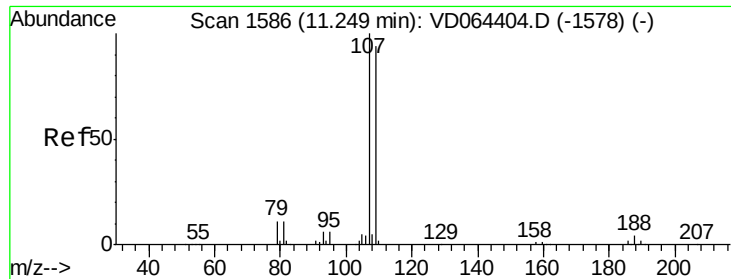
apatel
12/11/2019 2:15:22 PM



#60
Dibromochloromethane
Concen: 21.131 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064485.D
Acq: 10 Dec 2019 12:11

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.2	38.1	114.3





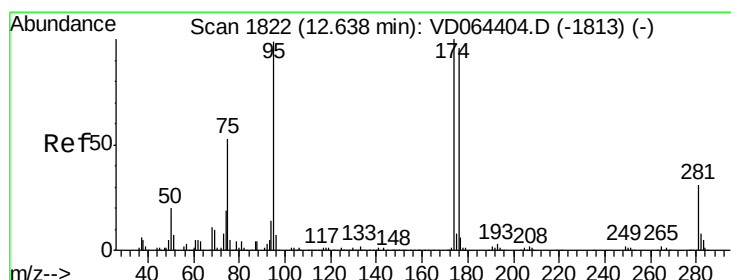
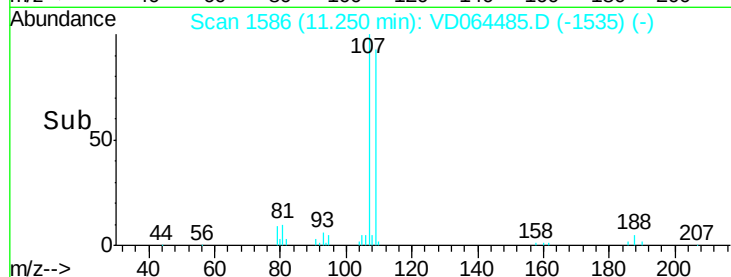
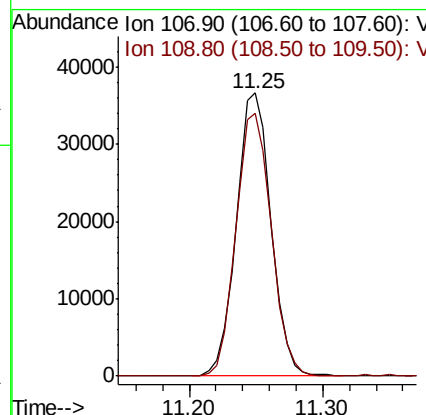
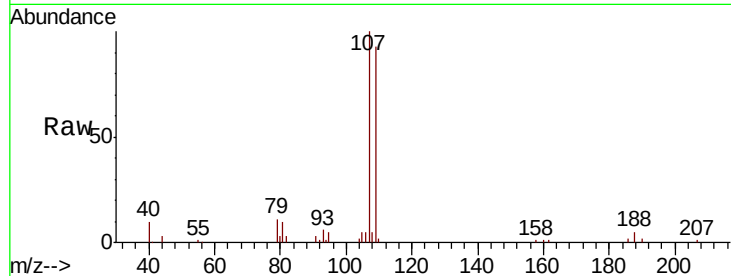
#61
 1,2-Dibromoethane
 Concen: 20.993 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064485.D
 Acq: 10 Dec 2019 12:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1210SBSD01

Tot Ion: 107 Resp: 65912
 Ion Ratio Lower Upper
 107 100
 109 94.7 76.2 114.2

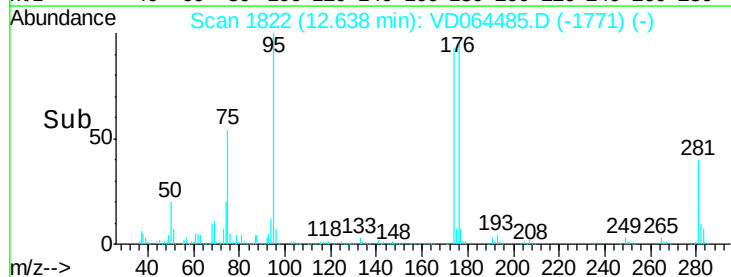
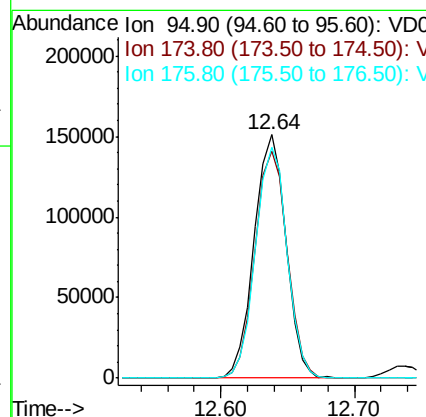
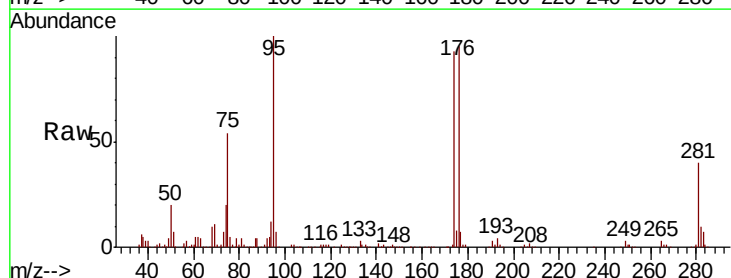
Manual Integrations
 APPROVED

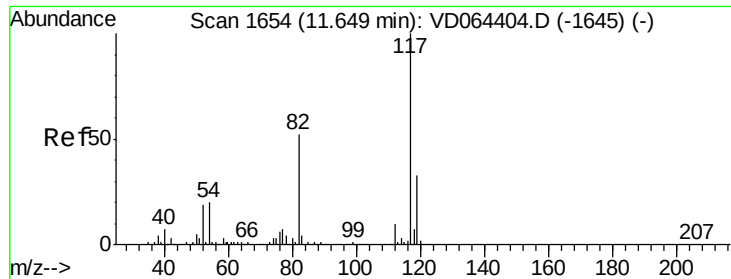
apatel
 12/11/2019 2:15:22 PM



#62
 4-Bromofluorobenzene
 Concen: 50.331 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064485.D
 Acq: 10 Dec 2019 12:11

Tgt Ion: 95 Resp: 248611
 Ion Ratio Lower Upper
 95 100
 174 94.4 0.0 197.2
 176 93.8 0.0 189.6





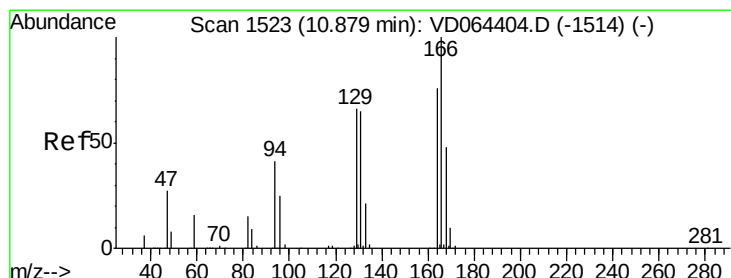
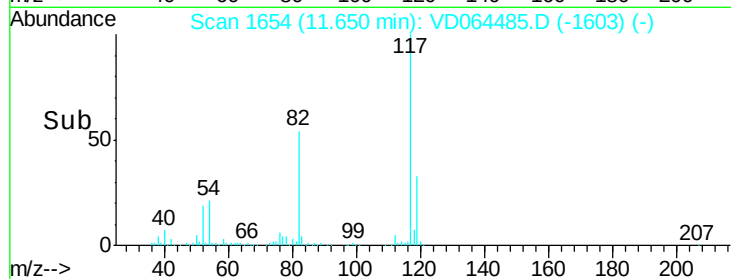
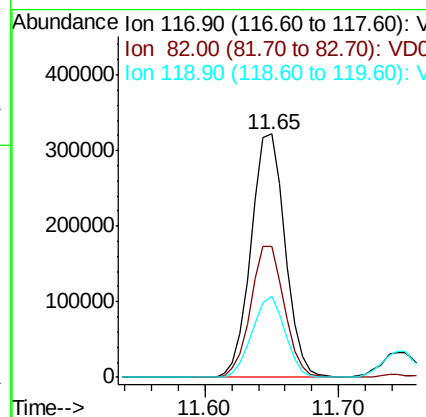
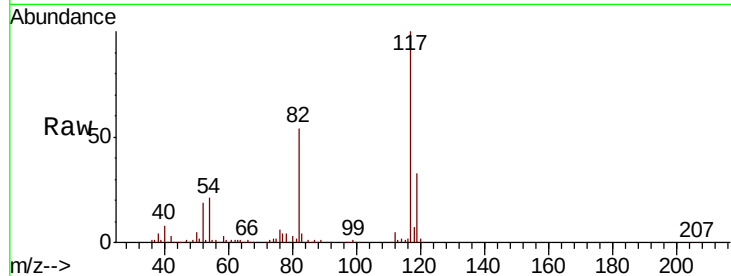
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064485.D
Acq: 10 Dec 2019 12:11

Instrument :
MSVOA_D
ClientSampleId :
VD1210SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	566226		
82	53.7		41.4	62.2
119	33.2		26.2	39.2

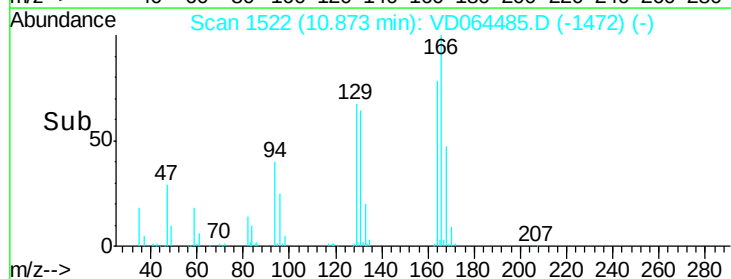
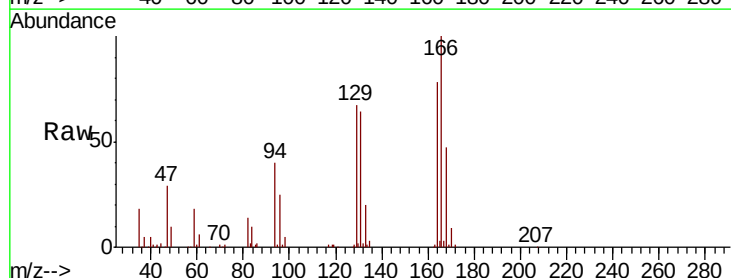
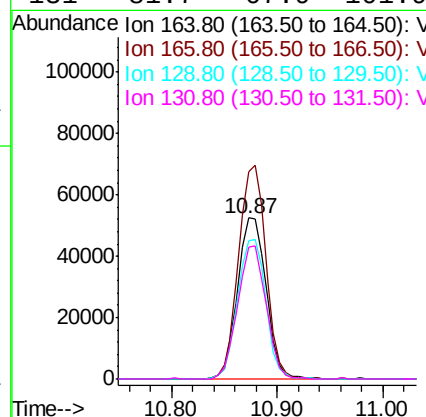
Manual Integrations
APPROVED

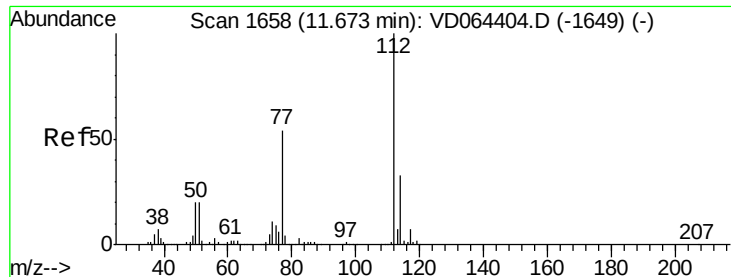
apatel
12/11/2019 2:15:22 PM



#64
Tetrachloroethene
Concen: 22.659 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.01 min
Lab File: VD064485.D
Acq: 10 Dec 2019 12:11

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	97839		
166	128.5		104.8	157.2
129	86.1		68.7	103.1
131	81.7		67.9	101.9





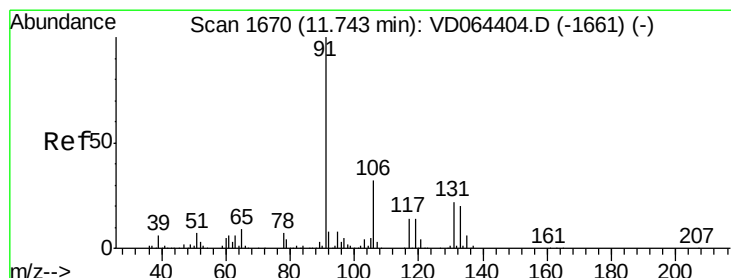
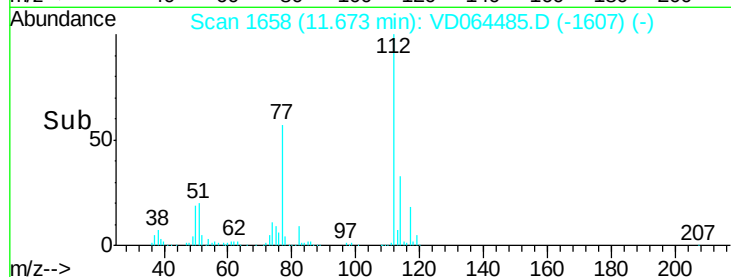
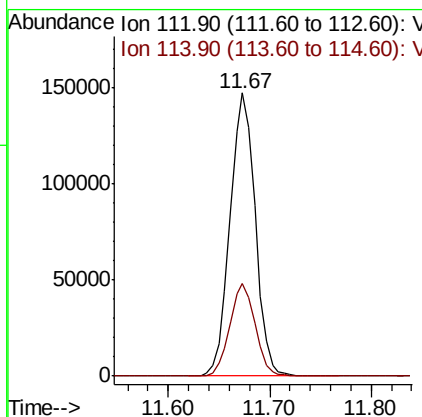
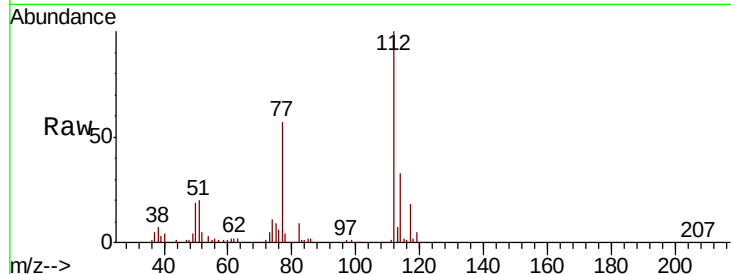
#65
Chlorobenzene
Concen: 21.517 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064485.D
Acq: 10 Dec 2019 12:11

Instrument :
MSVOA_D
ClientSampleId :
VD1210SBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.6	26.5	39.7

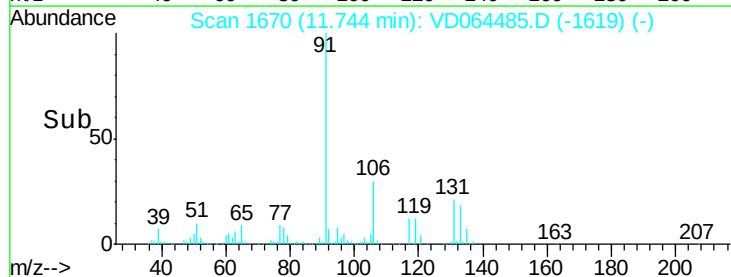
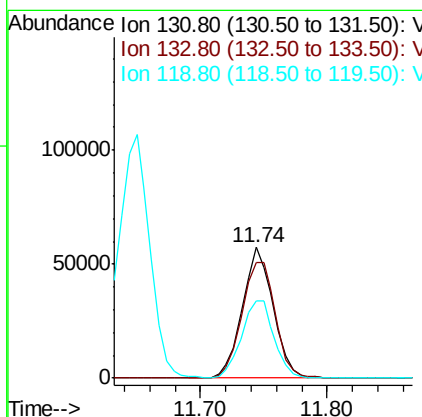
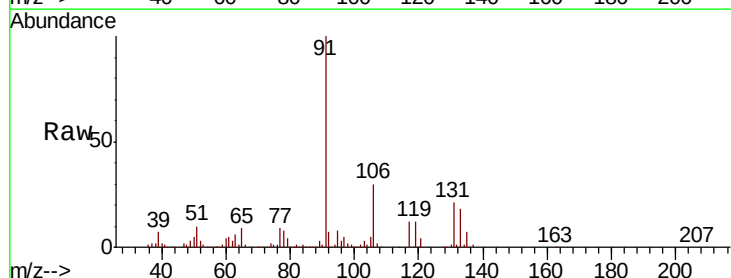
Manual Integrations
APPROVED

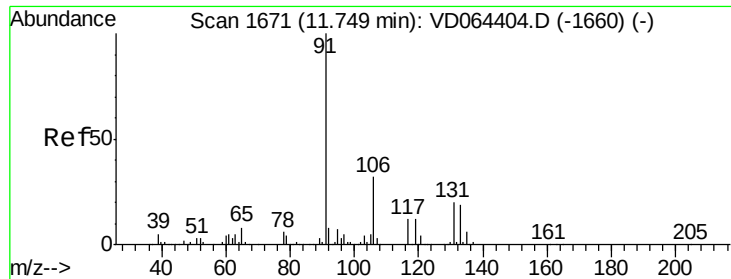
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 22.159 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD064485.D
Acq: 10 Dec 2019 12:11

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.4	48.3	144.9
119	62.6	31.9	95.9





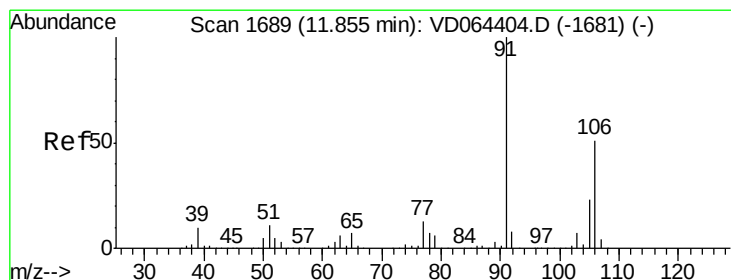
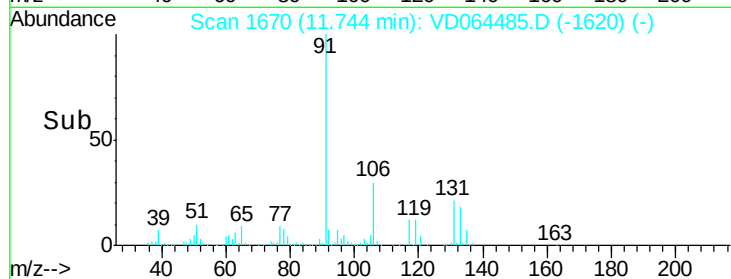
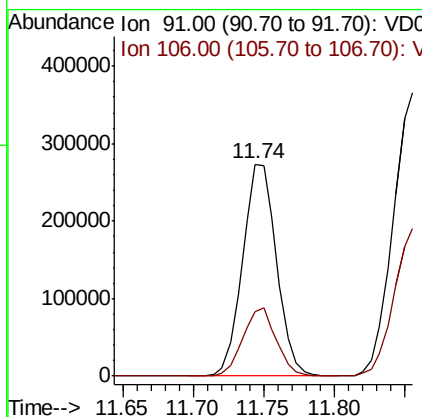
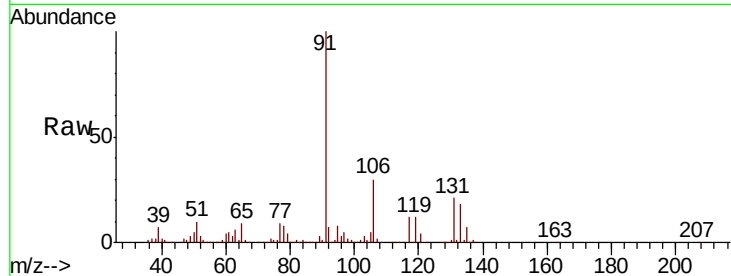
#67
Ethyl Benzene
Concen: 21.936 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VD064485.D
Acq: 10 Dec 2019 12:11

Instrument :
MSVOA_D
ClientSampleId :
VD1210SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	30.2	25.8	38.8

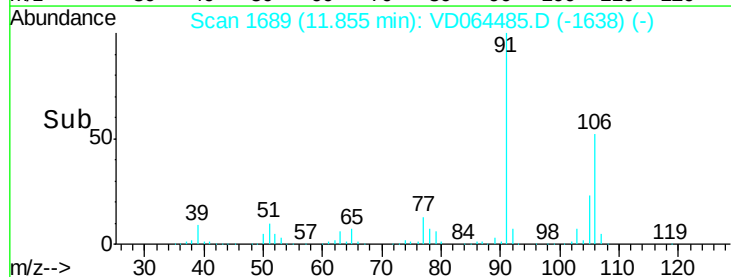
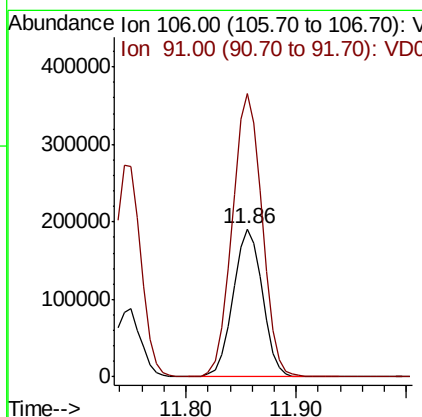
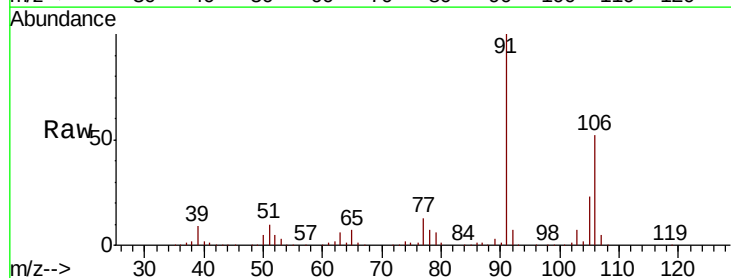
Manual Integrations
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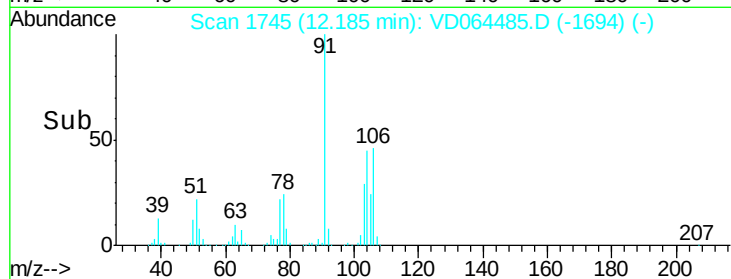
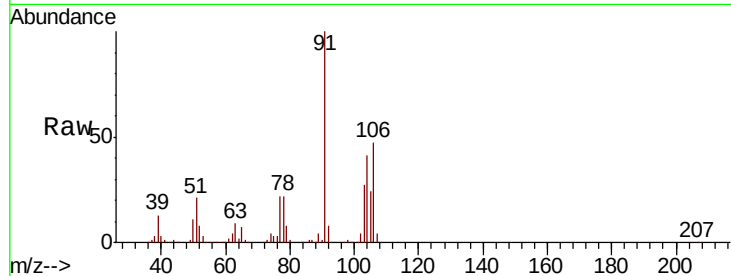
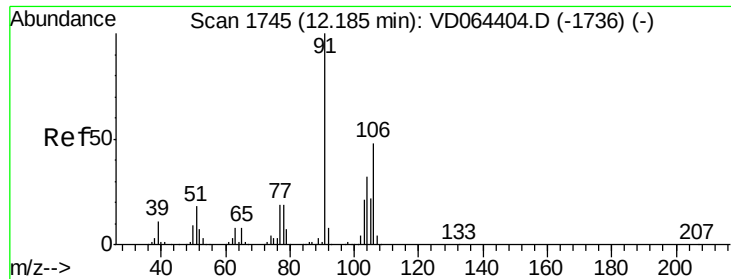
apatel
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#68
m/p-Xylenes
Concen: 44.571 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD064485.D
Acq: 10 Dec 2019 12:11

Tgt Ion	Ratio	Lower	Upper
106	100		
91	194.4	157.4	236.2





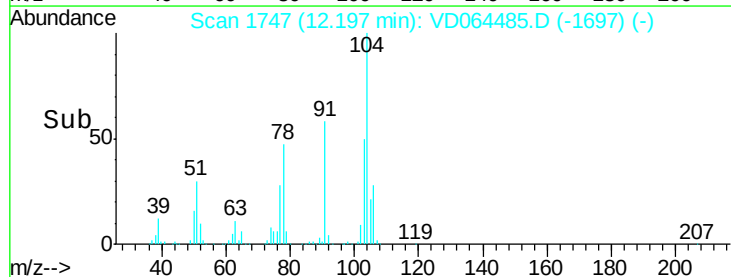
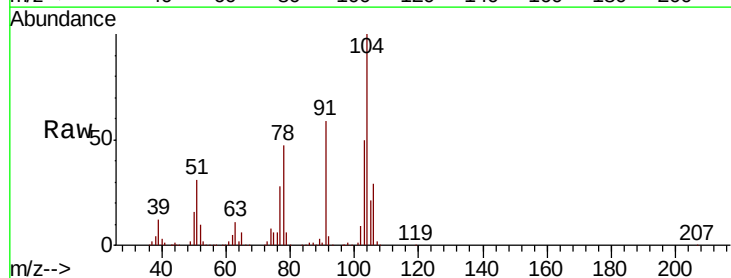
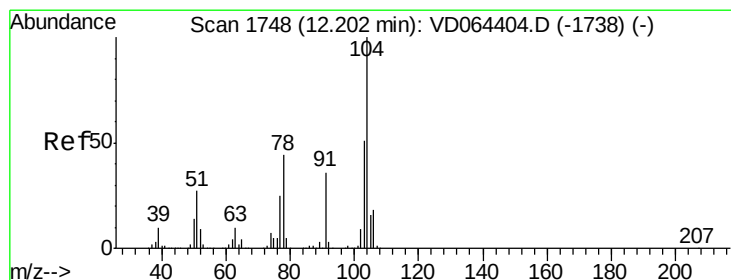
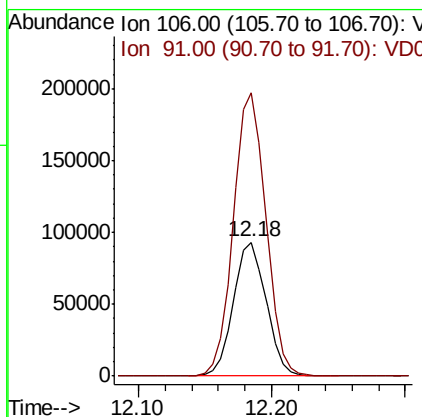
#69
o-Xylene
Concen: 21.365 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064485.D
Acq: 10 Dec 2019 12:11

Instrument :
MSVOA_D
ClientSampleId :
VD1210SBS01

Tot Ion:106 Resp: 158084
Ion Ratio Lower Upper
106 100
91 210.7 103.8 311.4

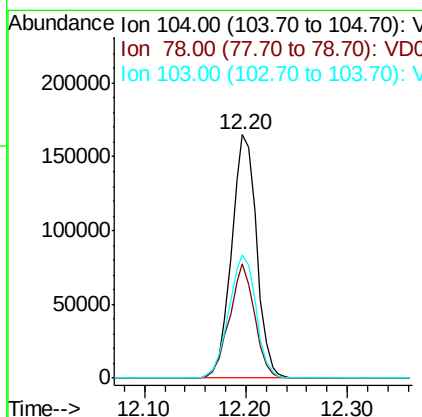
Manual Integrations
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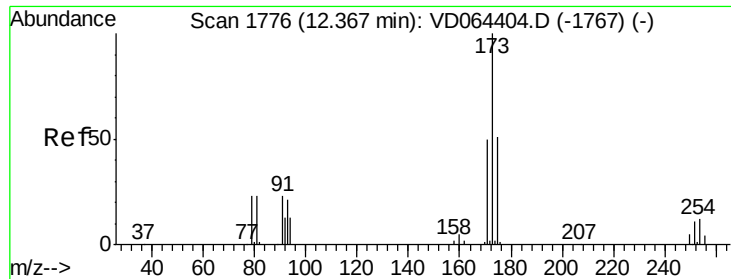
apatel
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#70
Styrene
Concen: 21.966 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD064485.D
Acq: 10 Dec 2019 12:11

Tgt Ion:104 Resp: 282442
Ion Ratio Lower Upper
104 100
78 47.2 38.8 58.2
103 54.8 44.2 66.4





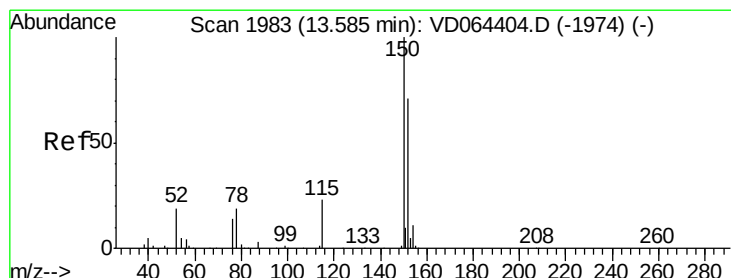
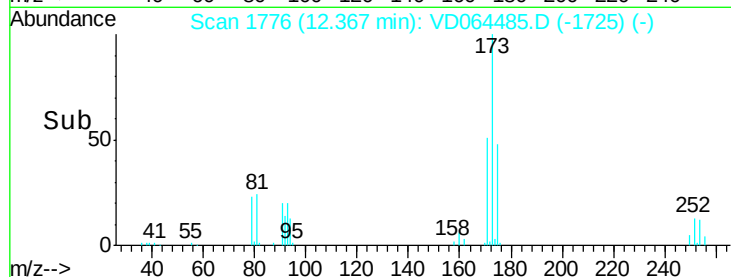
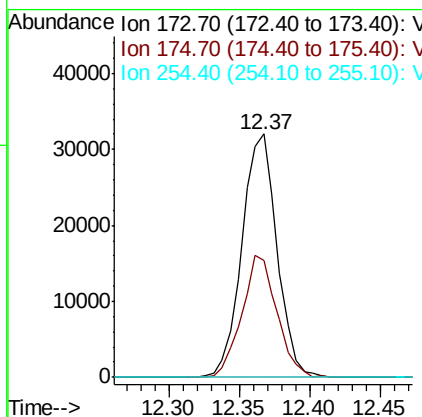
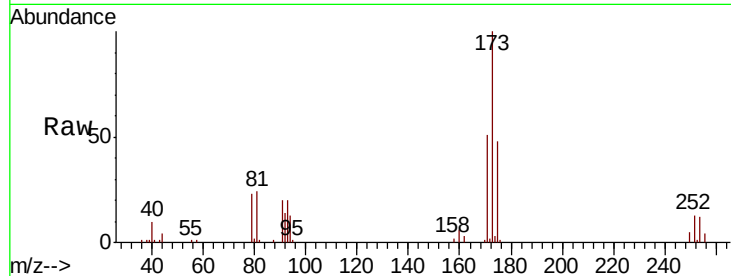
#71
Bromoform
Concen: 21.305 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD064485.D
Acq: 10 Dec 2019 12:11

Instrument :
MSVOA_D
ClientSampleId :
VD1210SBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.1	25.3	75.8
254	0.0	0.0	0.0

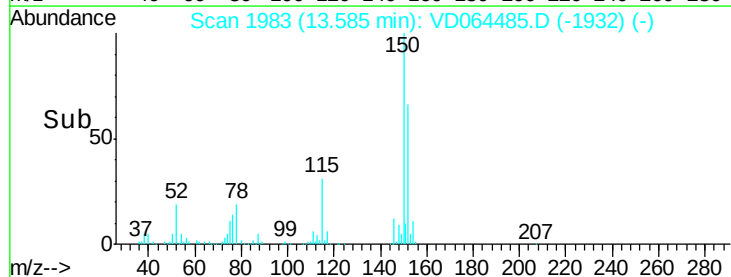
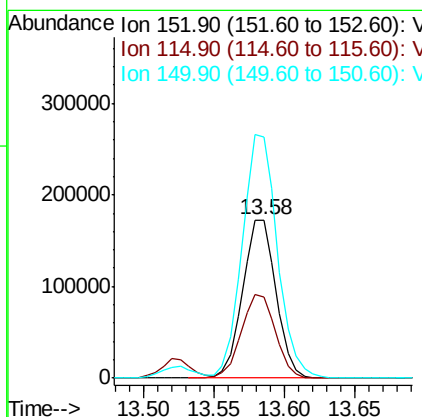
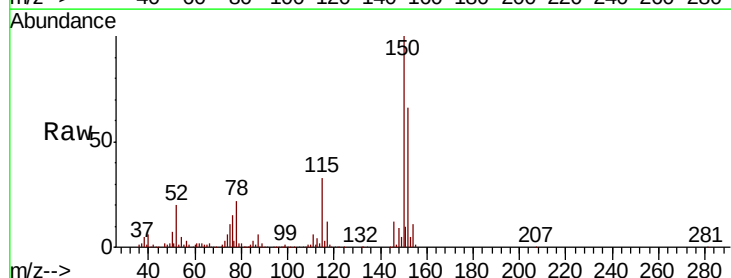
Manual Integrations
APPROVED

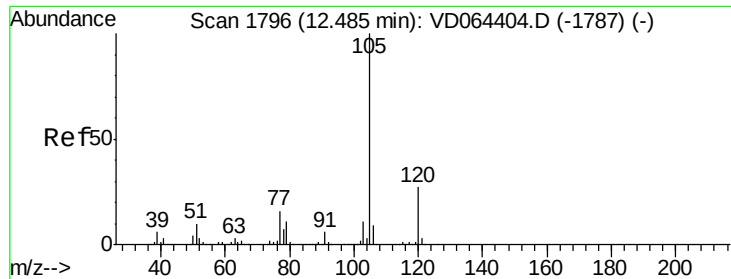
apatel
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064485.D
Acq: 10 Dec 2019 12:11

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.6	26.7	80.1
150	161.5	0.0	347.2





#73

Isopropylbenzene

Concen: 21.597 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064485.D

Acq: 10 Dec 2019 12:11

Instrument :

MSVOA_D

ClientSampleId :

VD1210SBS01

Tot Ion: 105 Resp: 446253

Ion Ratio Lower Upper

105 100

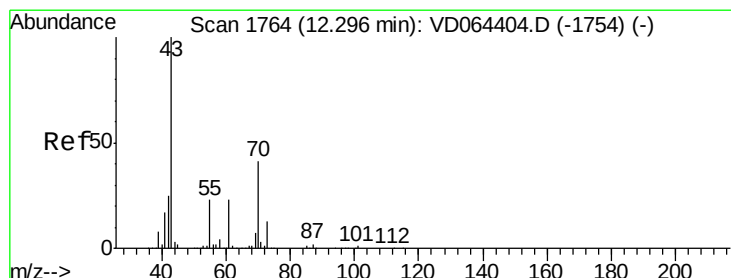
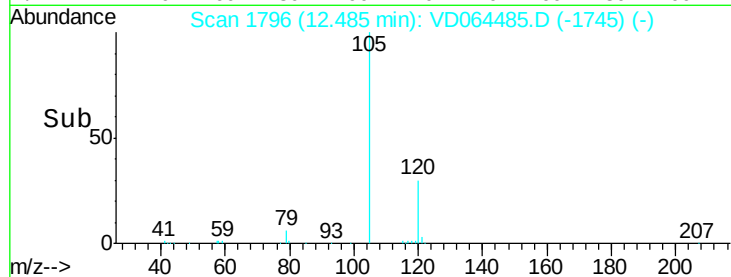
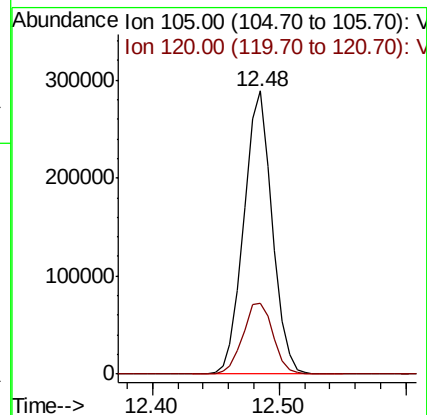
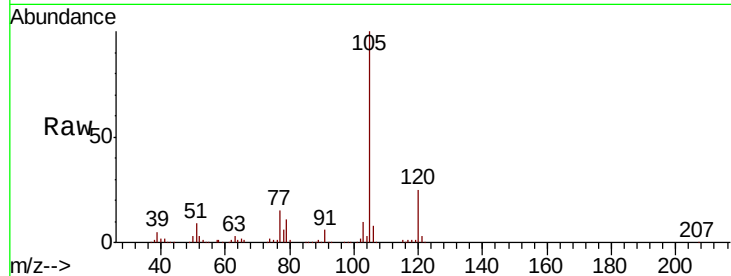
120 26.8 13.4 40.2

Manual Integrations

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#74

N-ethyl acetate

Concen: 20.538 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD064485.D

Acq: 10 Dec 2019 12:11

Tgt Ion: 43 Resp: 96317

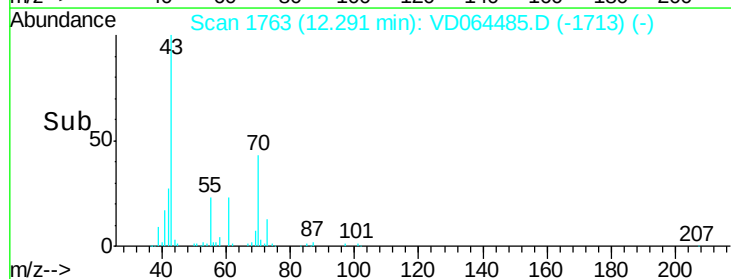
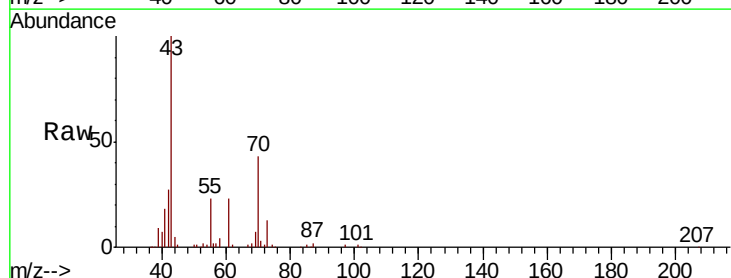
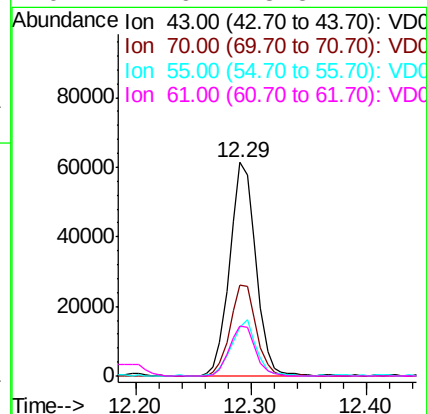
Ion Ratio Lower Upper

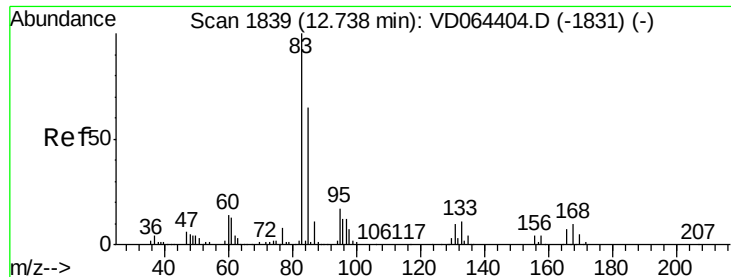
43 100

70 42.9 33.4 50.2

55 24.8 18.9 28.3

61 22.9 18.5 27.7





#75

1,1,2,2-Tetrachloroethane

Concen: 20.658 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064485.D

Acq: 10 Dec 2019 12:11

Instrument :

MSVOA_D

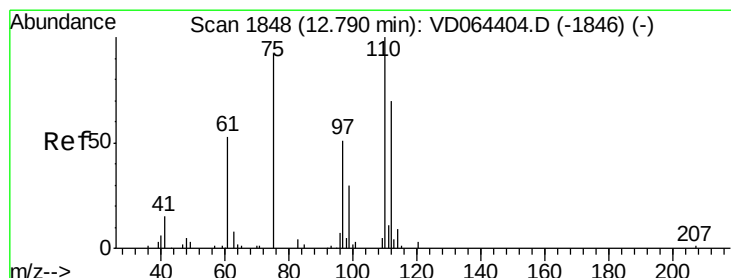
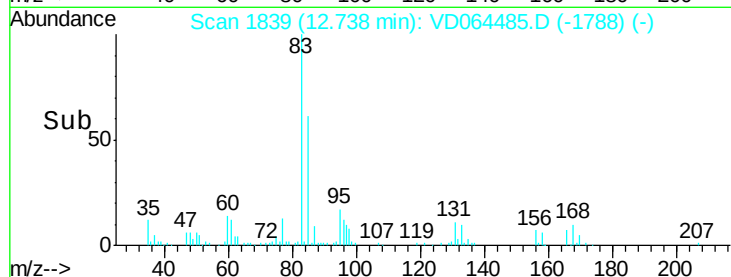
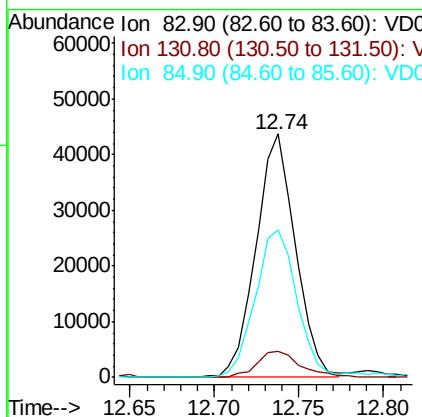
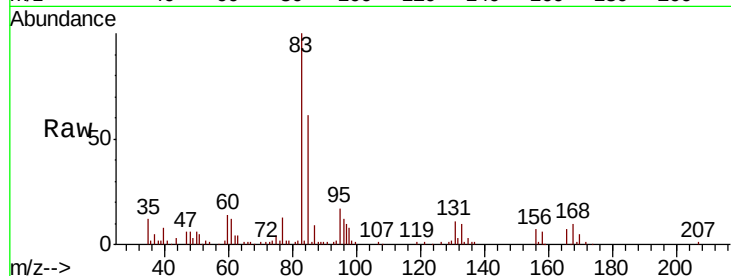
ClientSampleId :

VD1210SBS01

Tot Ion:	83	Resp:	70586
Ion	Ratio	Lower	Upper
83	100		
131	12.1	5.7	17.0
85	64.1	31.3	93.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 18.491 ug/l m

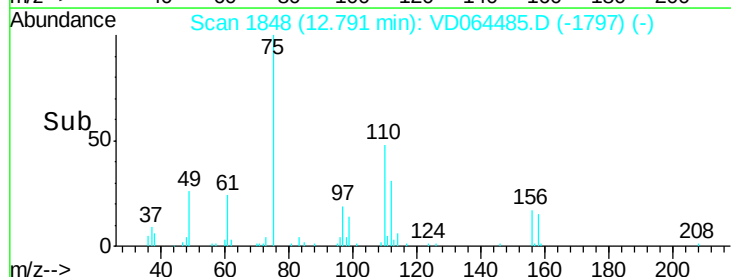
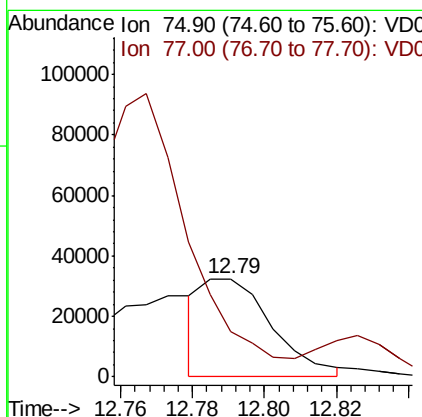
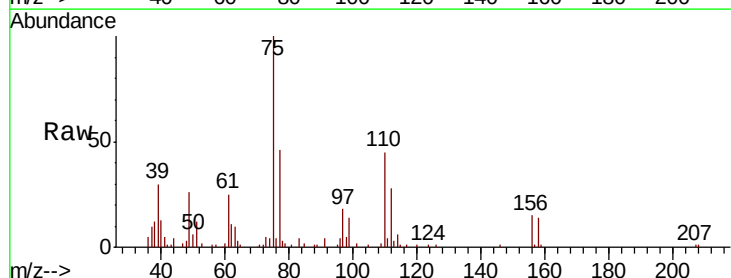
RT: 12.79 min Scan# 1848

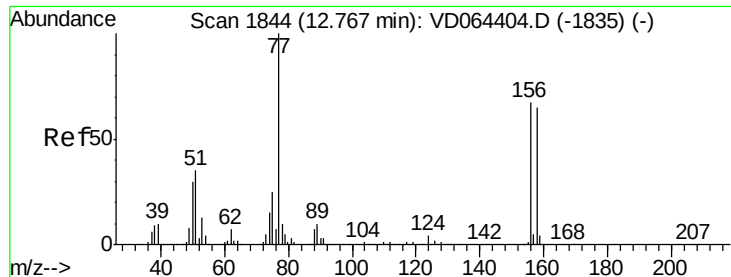
Delta R.T. 0.00 min

Lab File: VD064485.D

Acq: 10 Dec 2019 12:11

Tgt Ion:	75	Resp:	43688
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.232 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD064485.D

Acq: 10 Dec 2019 12:11

Instrument :

MSVOA_D

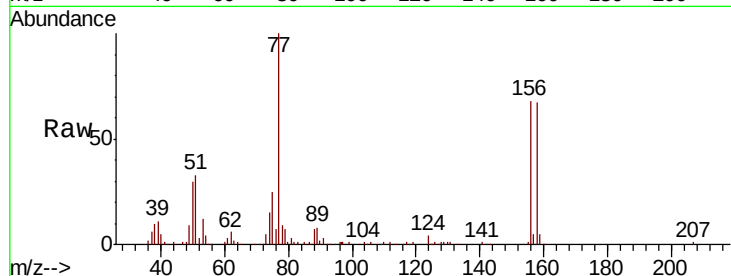
ClientSampleId :

VD1210SBSD01

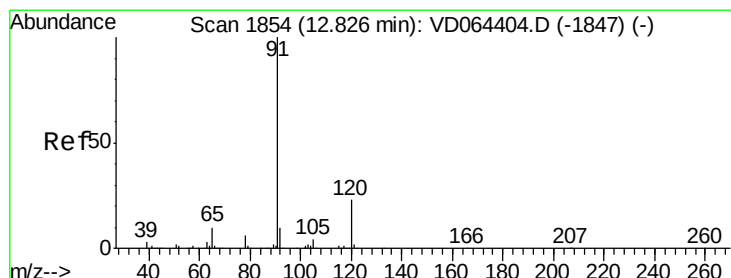
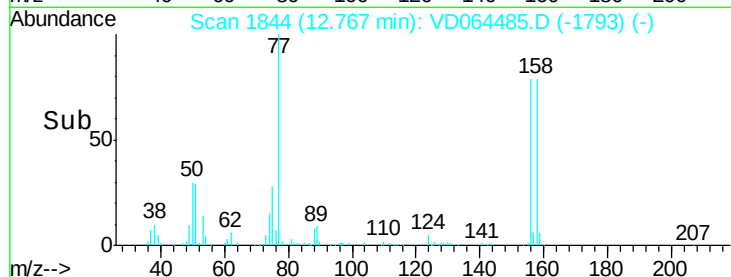
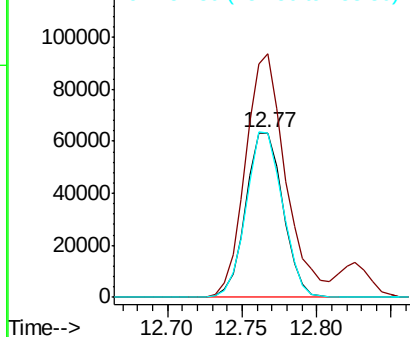
Tot Ion:	156	Resp:	108335
Ion Ratio	Lower	Upper	
156	100		
77	161.4	80.0	240.2
158	98.8	48.9	146.6

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Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VDC
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.654 ug/l

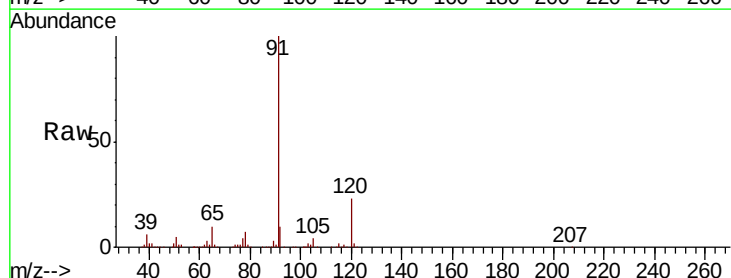
RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

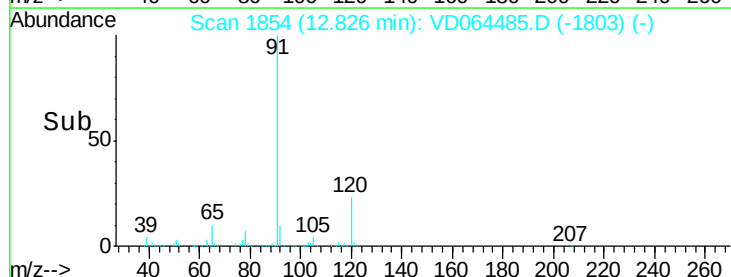
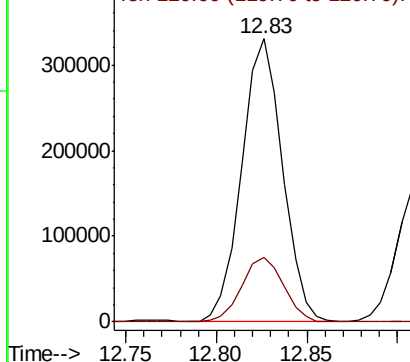
Lab File: VD064485.D

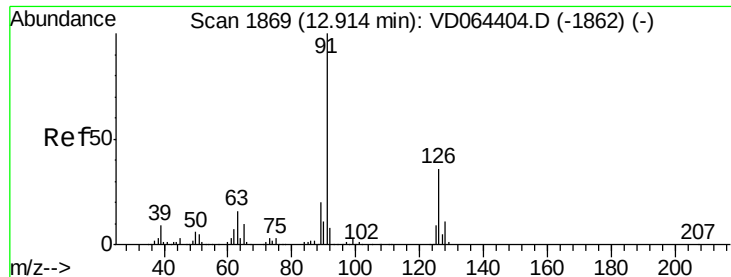
Acq: 10 Dec 2019 12:11

Tgt Ion:	91	Resp:	516246
Ion Ratio	Lower	Upper	
91	100		
120	23.6	11.9	35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 120.00 (119.70 to 120.70): V





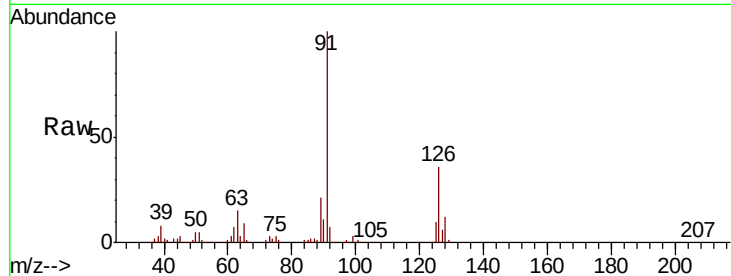
#79
2-Chlorotoluene
Concen: 21.517 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. 0.00 min
Lab File: VD064485.D
Acq: 10 Dec 2019 12:11

Instrument :
MSVOA_D
ClientSampleId :
VD1210SBS01

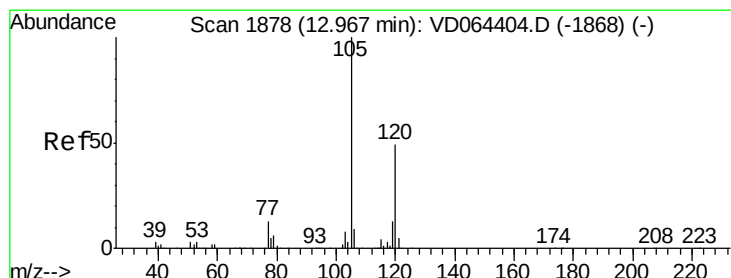
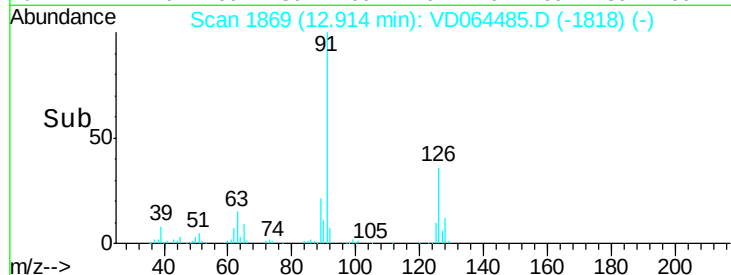
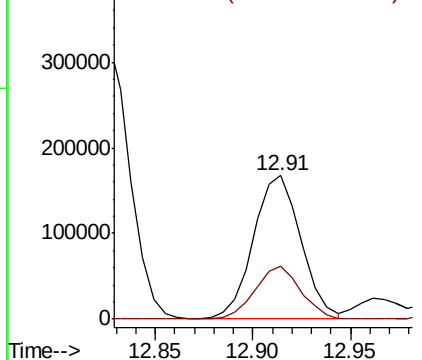
Tot Ion: 91 Resp: 282264
Ion Ratio Lower Upper
91 100
126 35.6 18.0 54.0

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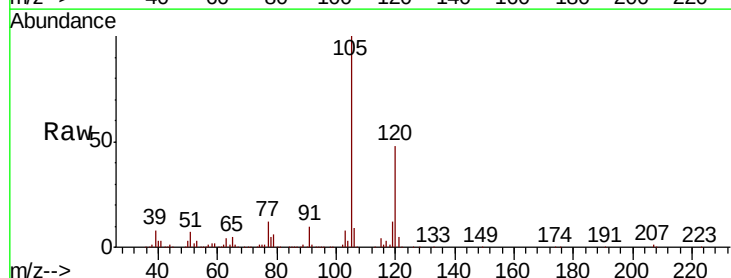


Abundance Ion 91.00 (90.70 to 91.70): VD064485.D (-1818) (-)
Ion 125.90 (125.60 to 126.60): VD064485.D (-1818) (-)

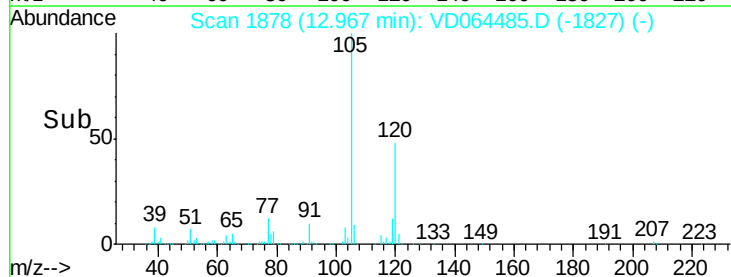
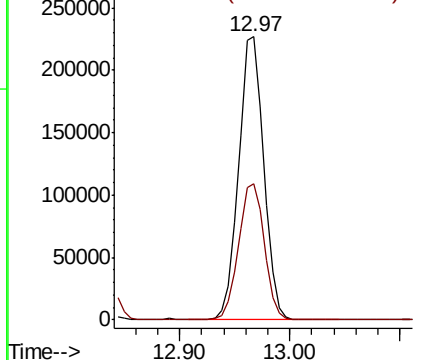


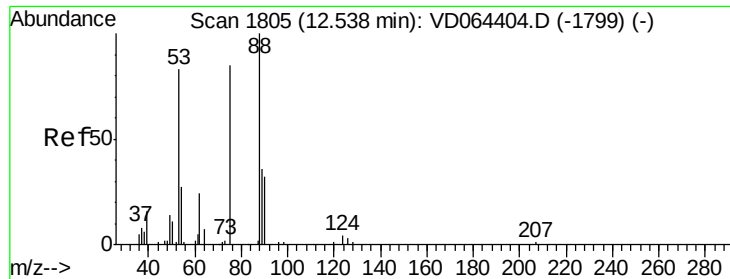
#80
1,3,5-Trimethylbenzene
Concen: 21.582 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. 0.00 min
Lab File: VD064485.D
Acq: 10 Dec 2019 12:11

Tgt Ion: 105 Resp: 364411
Ion Ratio Lower Upper
105 100
120 49.4 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): VD064485.D (-1827) (-)
Ion 120.00 (119.70 to 120.70): VD064485.D (-1827) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 21.547 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD064485.D

Acq: 10 Dec 2019 12:11

Instrument :

MSVOA_D

ClientSampleId :

VD1210SBS01

Tot Ion: 75 Resp: 23346

Ion Ratio Lower Upper

75 100

53 101.2 81.0 121.6

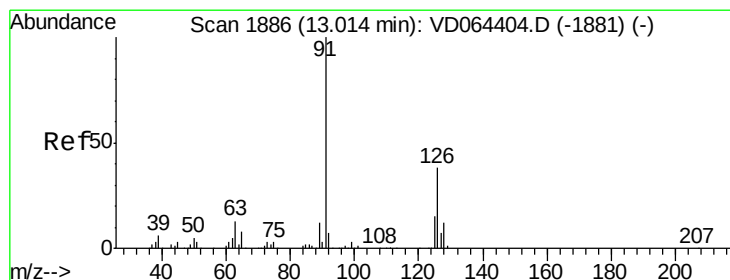
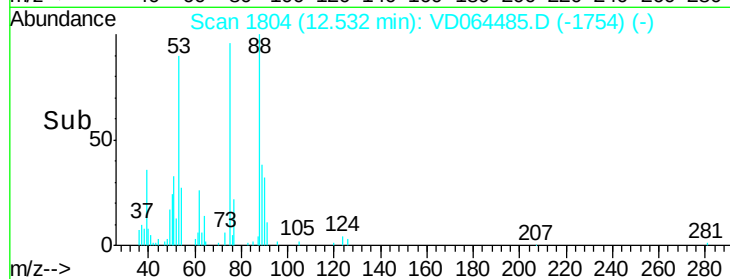
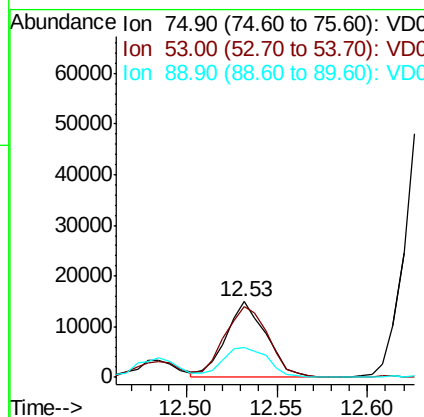
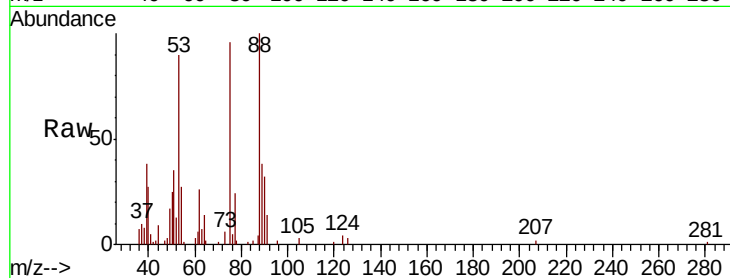
89 45.0 38.5 57.7

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#82

4-Chlorotoluene

Concen: 21.208 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VD064485.D

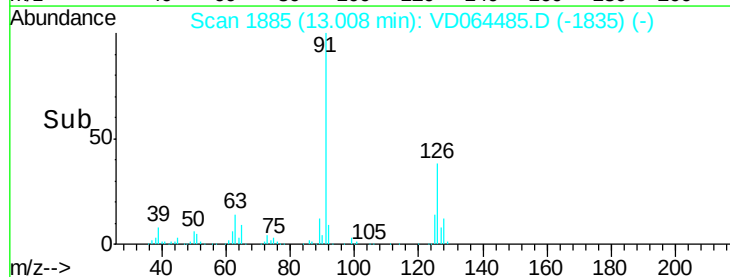
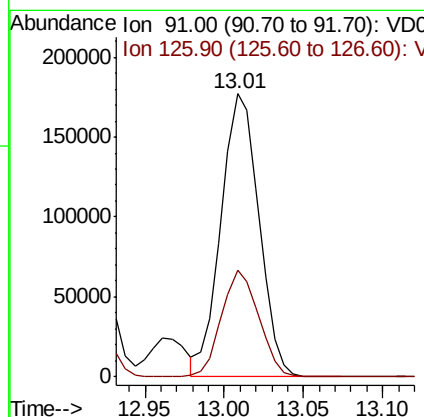
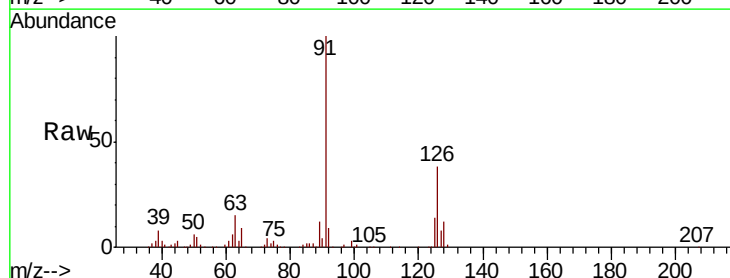
Acq: 10 Dec 2019 12:11

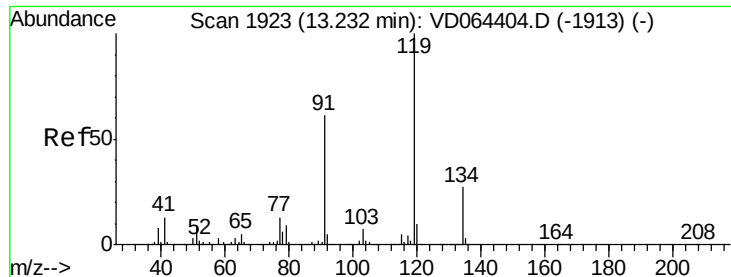
Tgt Ion: 91 Resp: 294562

Ion Ratio Lower Upper

91 100

126 36.9 18.2 54.6





#83

tert-Butylbenzene

Concen: 21.745 ug/l

RT: 13.23 min Scan# 1922

Delta R.T. -0.01 min

Lab File: VD064485.D

Acq: 10 Dec 2019 12:11

Instrument :

MSVOA_D

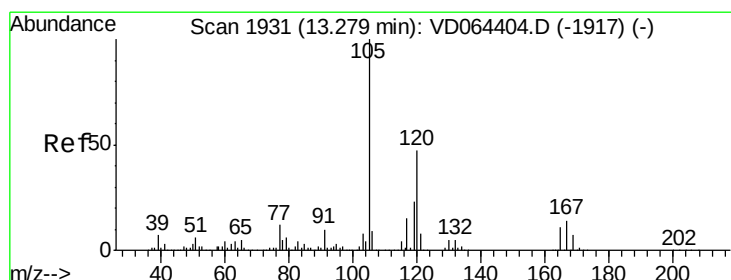
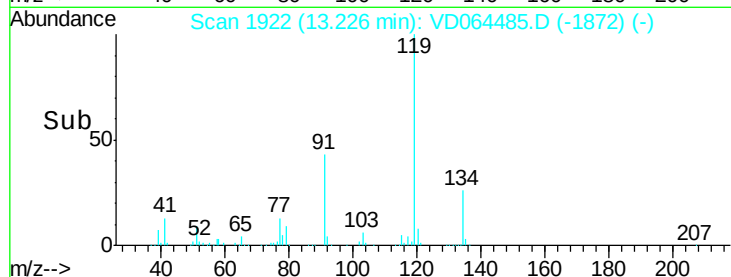
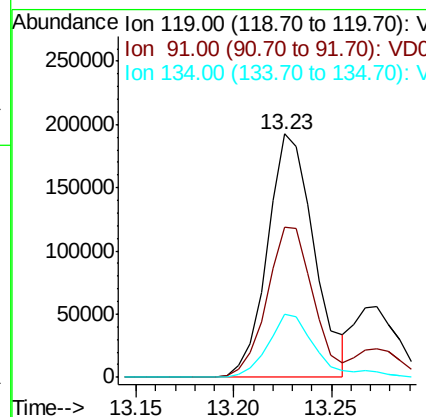
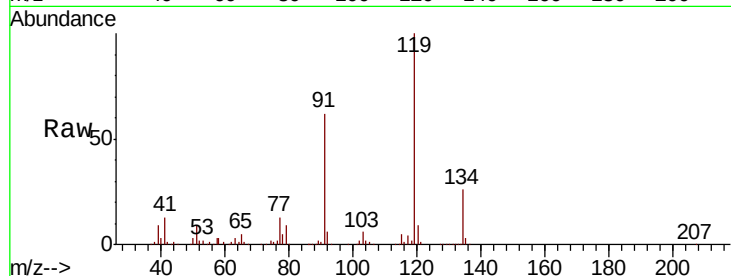
ClientSampleId :

VD1210SBSD01

Tot Ion:	119	Resp:	319205
Ion Ratio	Lower	Upper	
119	100		
91	61.0	31.2	93.6
134	26.8	13.9	41.7

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#84

1,2,4-Trimethylbenzene

Concen: 20.868 ug/l

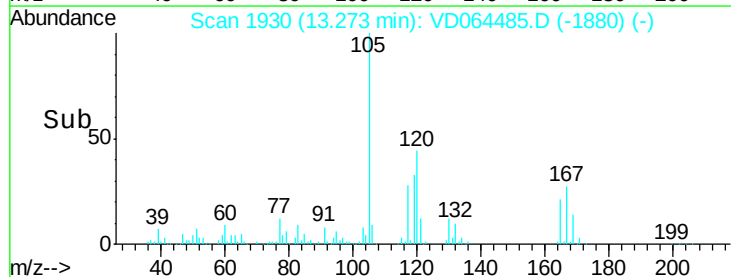
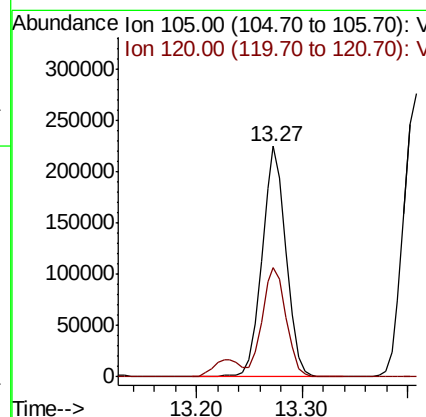
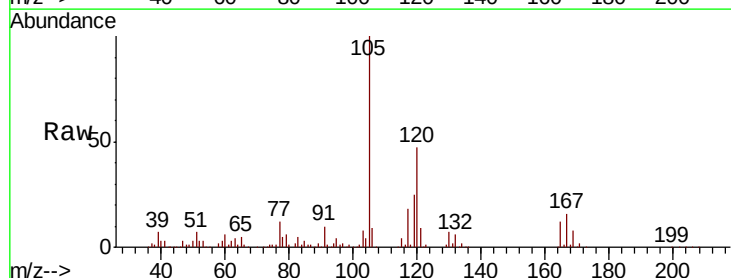
RT: 13.27 min Scan# 1930

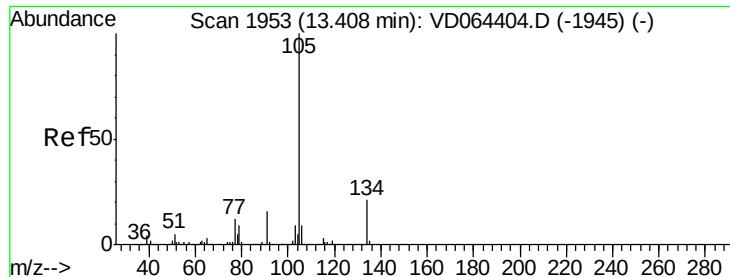
Delta R.T. -0.01 min

Lab File: VD064485.D

Acq: 10 Dec 2019 12:11

Tgt Ion:	105	Resp:	354306
Ion Ratio	Lower	Upper	
105	100		
120	47.7	23.6	70.8





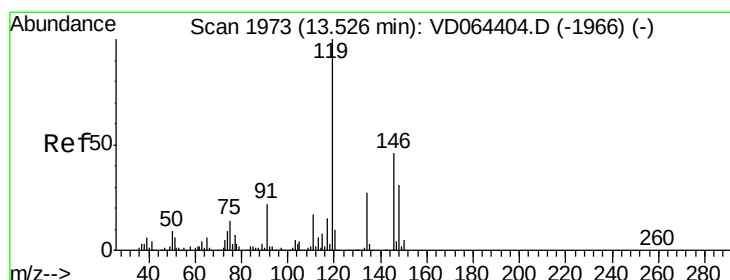
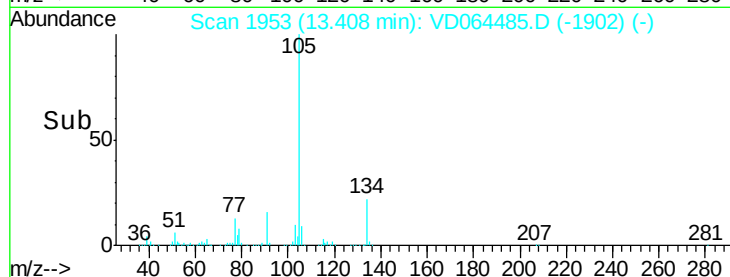
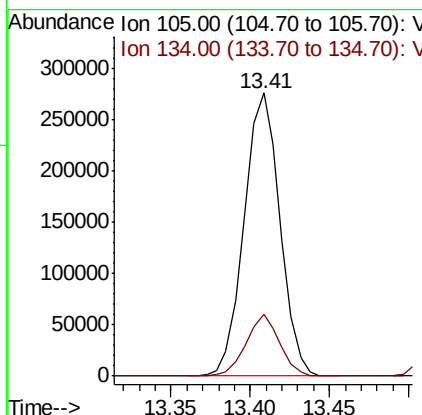
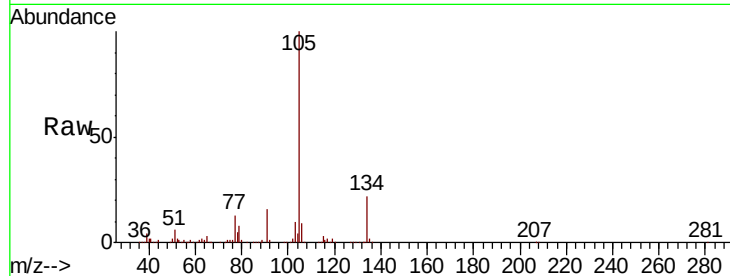
#85
 sec-Butylbenzene
 Concen: 21.465 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD064485.D
 Acq: 10 Dec 2019 12:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1210SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.4	10.5	31.5

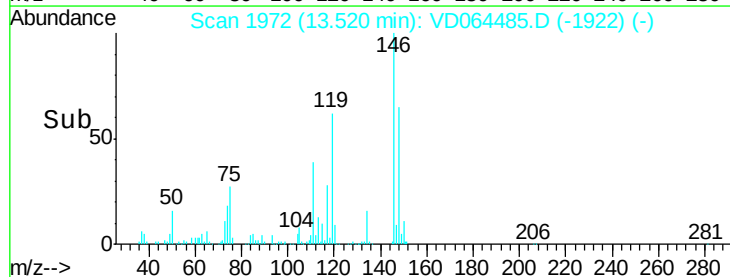
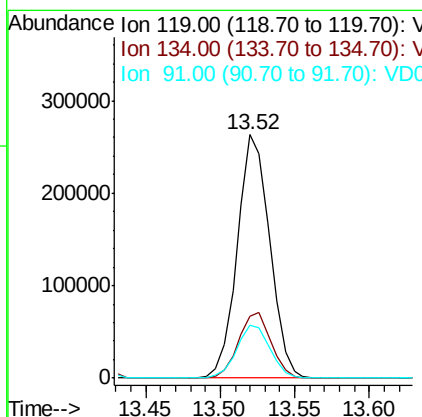
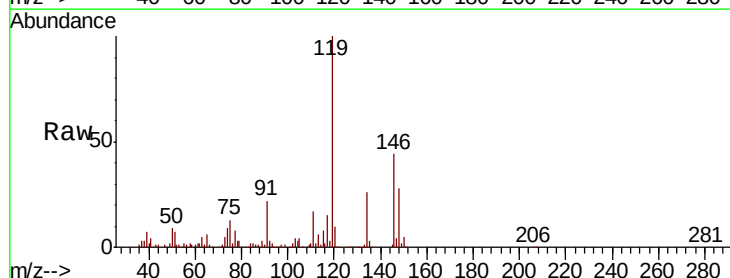
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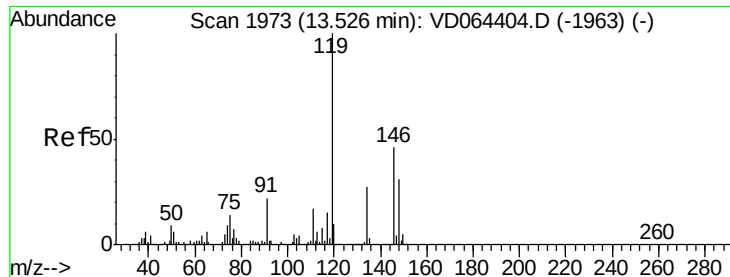
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#86
 p-Isopropyltoluene
 Concen: 20.899 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD064485.D
 Acq: 10 Dec 2019 12:11

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.0	13.5	40.4
91	22.6	11.2	33.5





#87

1,3-Dichlorobenzene

Concen: 20.665 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064485.D

Acq: 10 Dec 2019 12:11

Instrument :

MSVOA_D

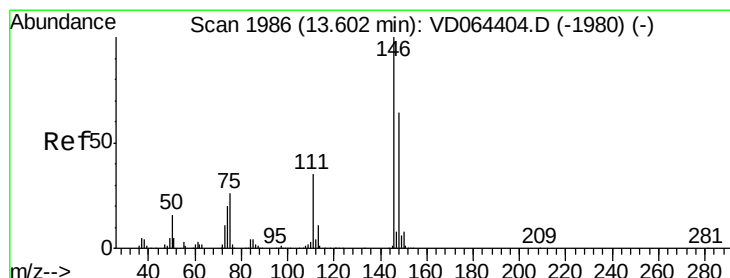
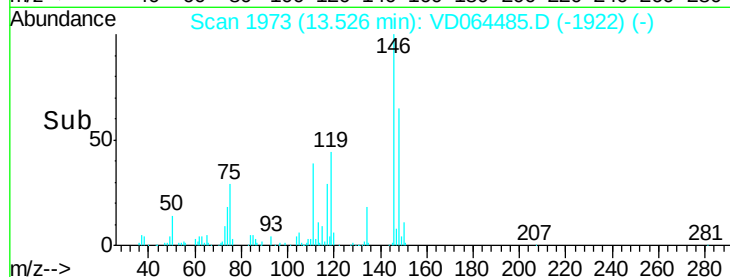
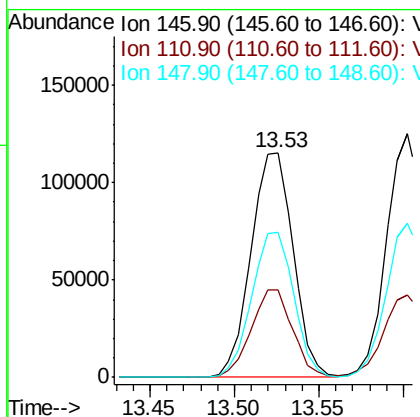
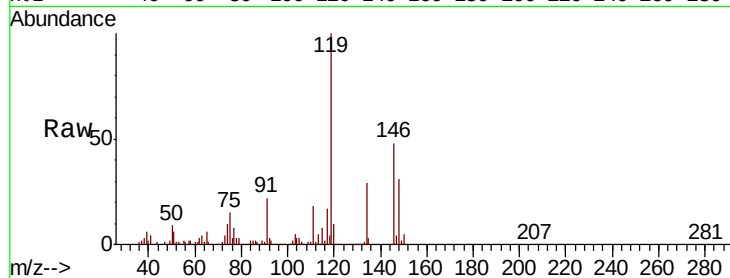
ClientSampleId :

VD1210SBS01

Tot Ion:	146	Resp:	200133
Ion Ratio	Lower	Upper	
146	100		
111	38.3	18.8	56.4
148	64.5	32.6	97.8

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#88

1,4-Dichlorobenzene

Concen: 21.104 ug/l

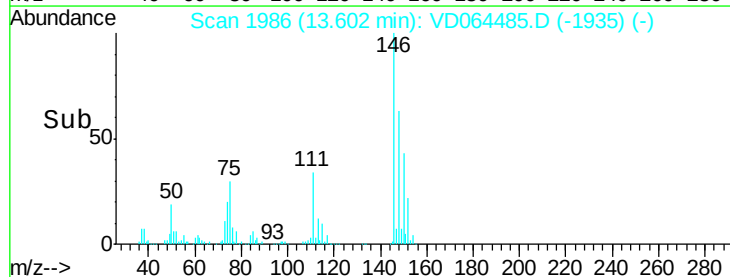
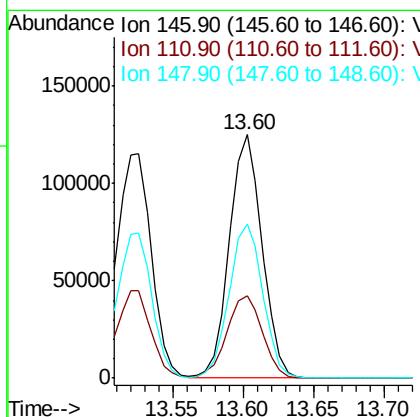
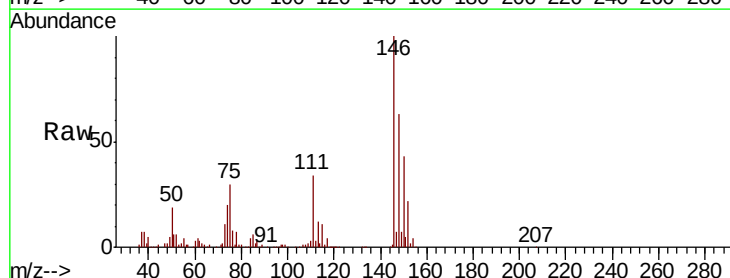
RT: 13.60 min Scan# 1986

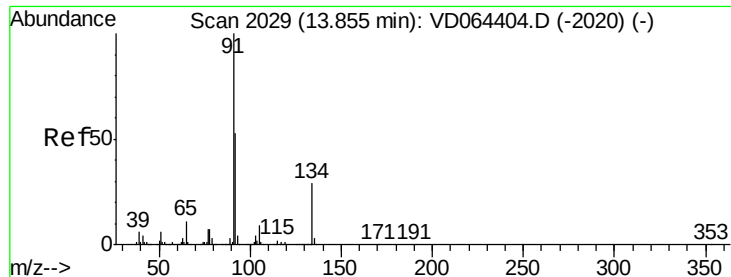
Delta R.T. 0.00 min

Lab File: VD064485.D

Acq: 10 Dec 2019 12:11

Tgt Ion:	146	Resp:	201782
Ion Ratio	Lower	Upper	
146	100		
111	37.0	18.2	54.6
148	65.3	31.8	95.4





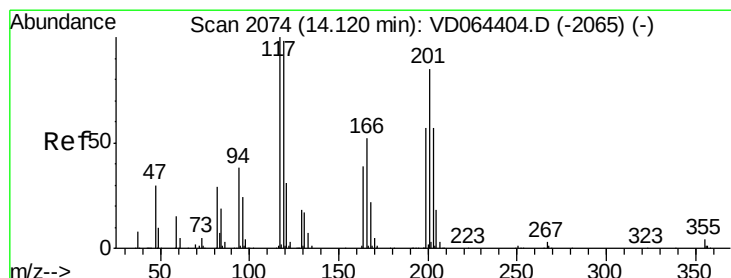
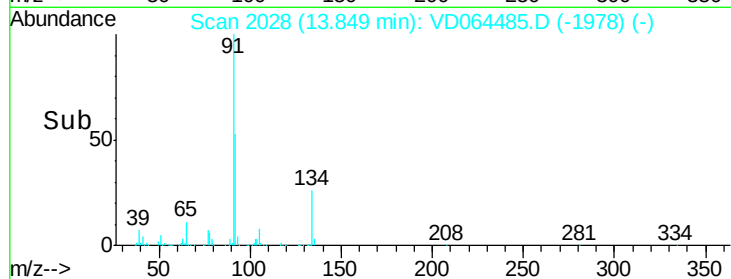
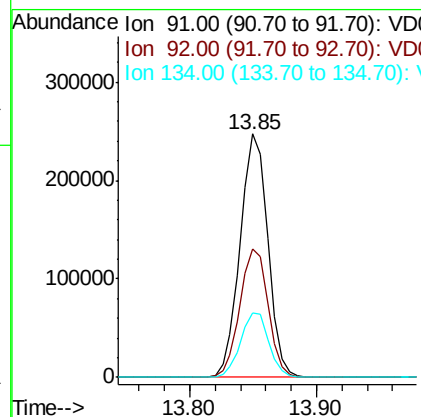
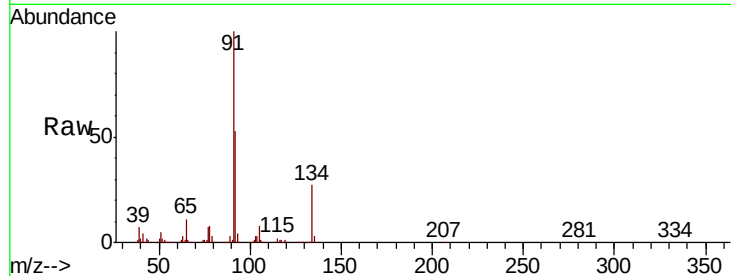
#89
n-Butylbenzene
Concen: 21.634 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.01 min
Lab File: VD064485.D
Acq: 10 Dec 2019 12:11

Instrument :
MSVOA_D
ClientSampleId :
VD1210SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.7	26.5	79.4
134	27.2	13.9	41.7

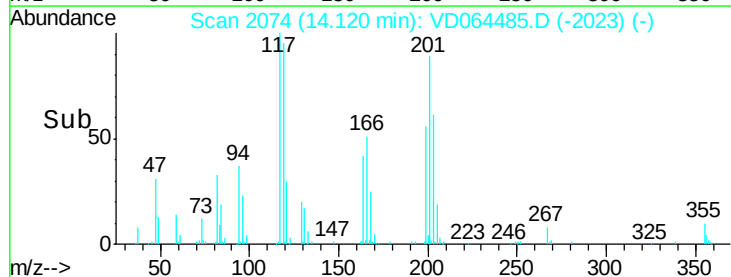
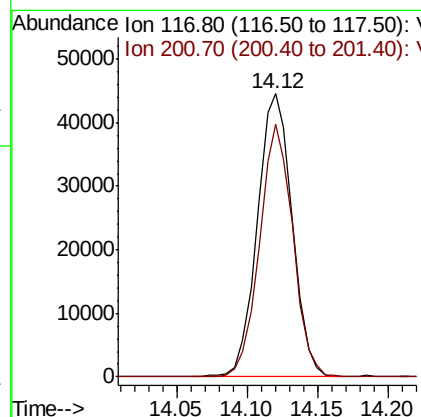
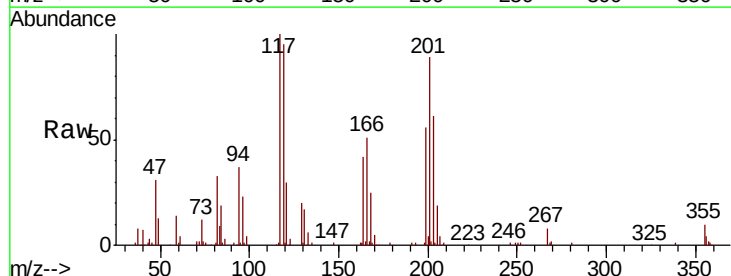
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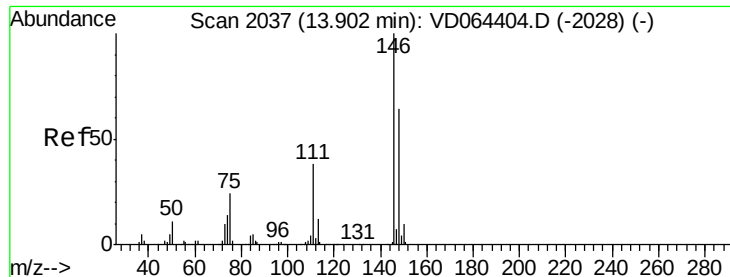
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#90
Hexachloroethane
Concen: 21.636 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064485.D
Acq: 10 Dec 2019 12:11

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.4	44.3	132.8





#91

1,2-Dichlorobenzene

Concen: 21.087 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. -0.01 min

Lab File: VD064485.D

Acq: 10 Dec 2019 12:11

Instrument :

MSVOA_D

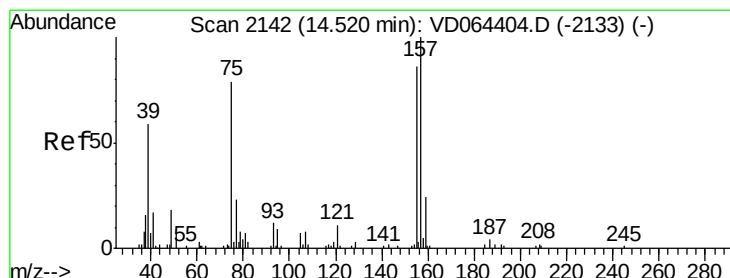
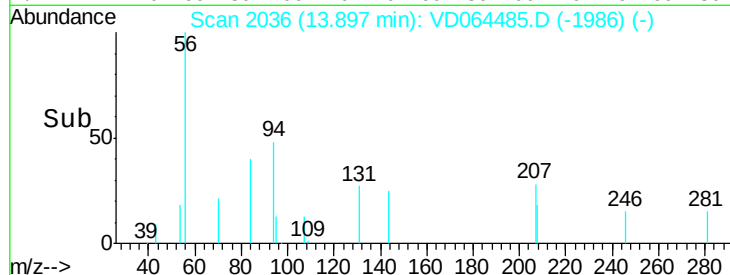
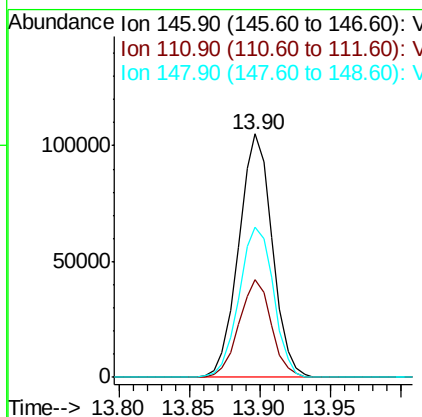
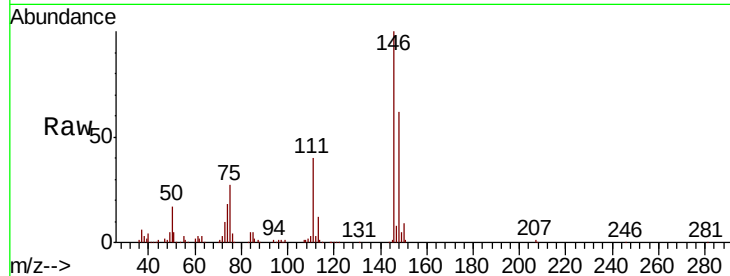
ClientSampleId :

VD1210SBS01

Tot Ion:	146	Resp:	174526
Ion Ratio	Lower	Upper	
146	100		
111	38.7	19.1	57.3
148	63.3	32.0	96.0

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#92

1,2-Dibromo-3-Chloropropane

Concen: 19.553 ug/l

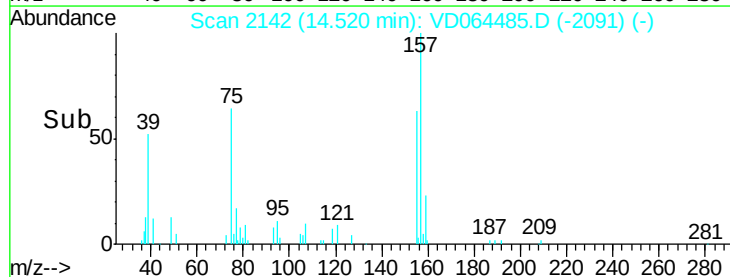
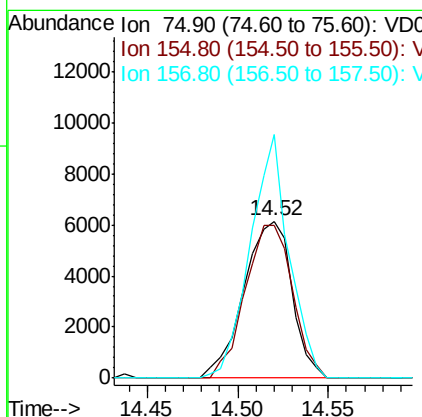
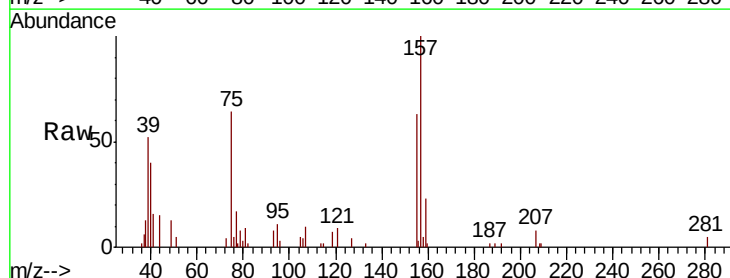
RT: 14.52 min Scan# 2142

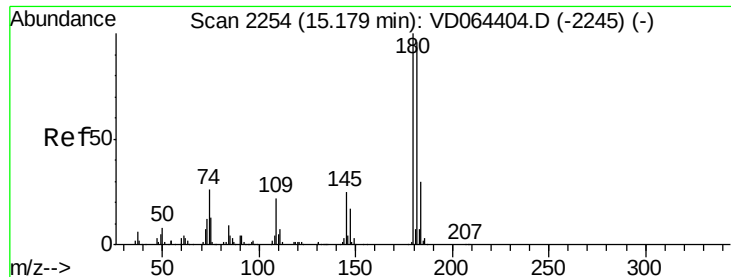
Delta R.T. 0.00 min

Lab File: VD064485.D

Acq: 10 Dec 2019 12:11

Tgt Ion:	75	Resp:	11345
Ion Ratio	Lower	Upper	
75	100		
155	95.9	51.9	155.7
157	124.7	63.2	189.8





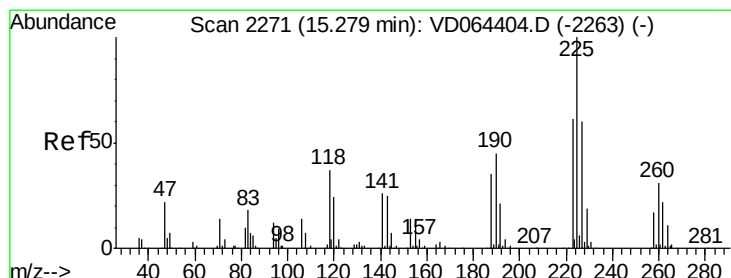
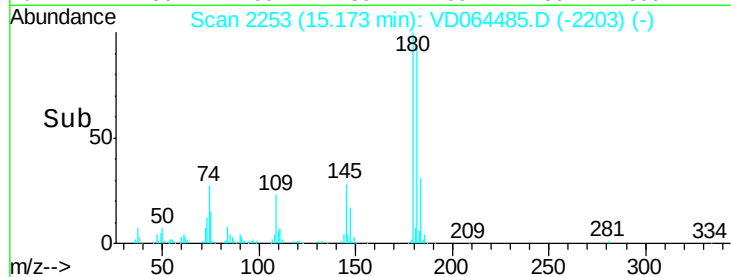
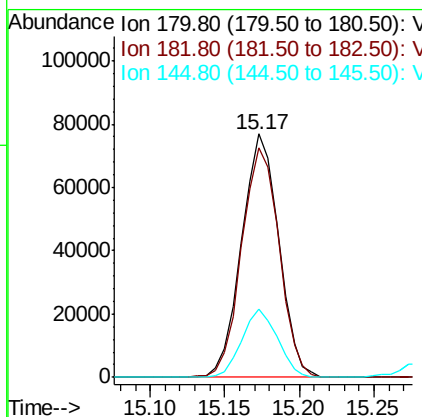
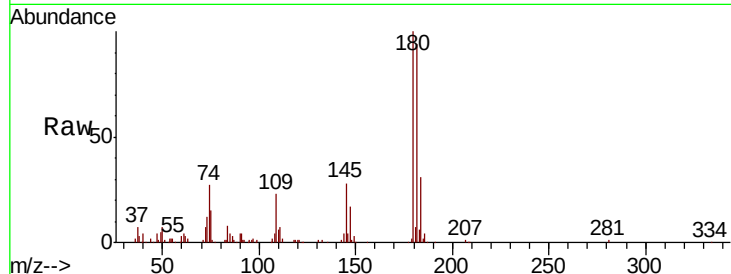
#93
 1,2,4-Trichlorobenzene
 Concen: 20.903 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD064485.D
 Acq: 10 Dec 2019 12:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1210SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.3	47.4	142.3	
145	26.9	14.0	41.9	

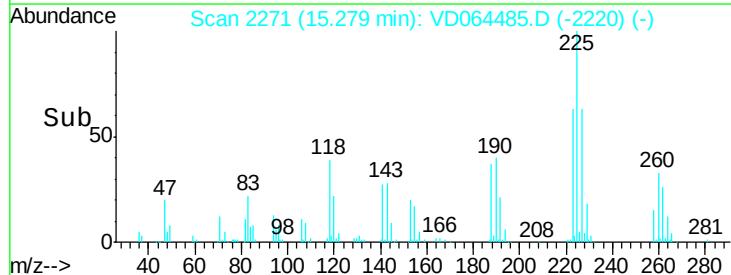
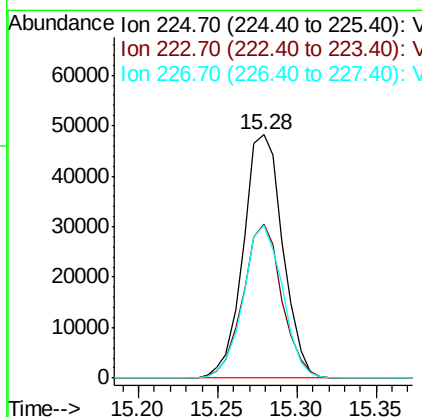
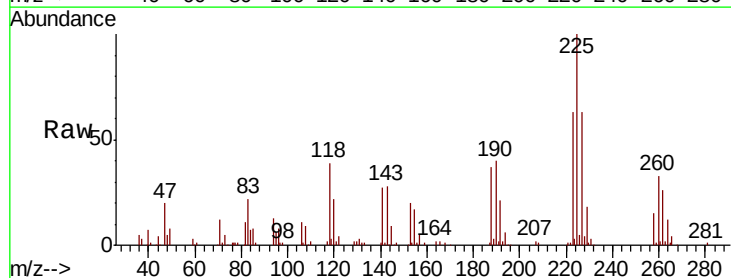
Manual Integrations
 APPROVED

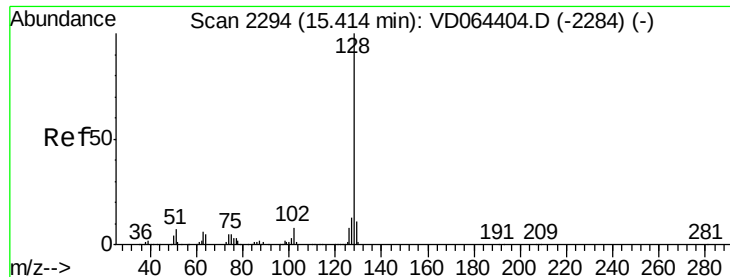
apatel
 12/11/2019 2:15:22 PM



#94
 Hexachlorobutadiene
 Concen: 21.336 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064485.D
 Acq: 10 Dec 2019 12:11

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.2	31.1	93.3	
227	62.4	31.8	95.4	





#95

Naphthalene

Concen: 19.960 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD064485.D

Acq: 10 Dec 2019 12:11

Instrument :

MSVOA_D

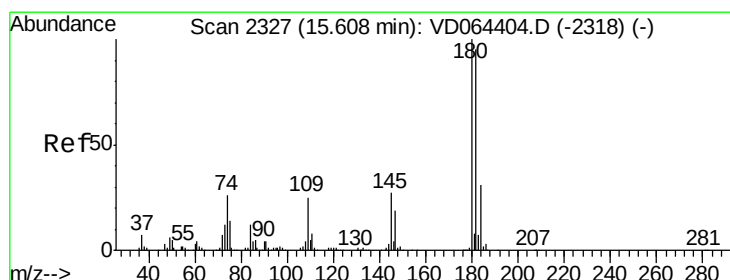
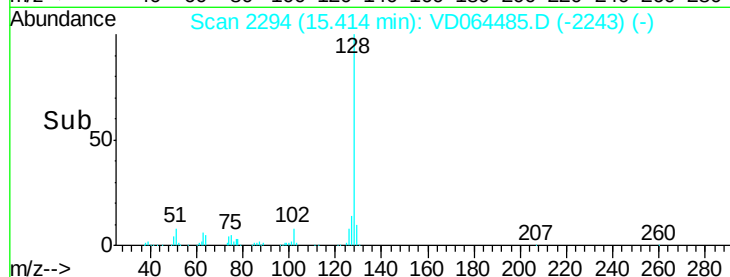
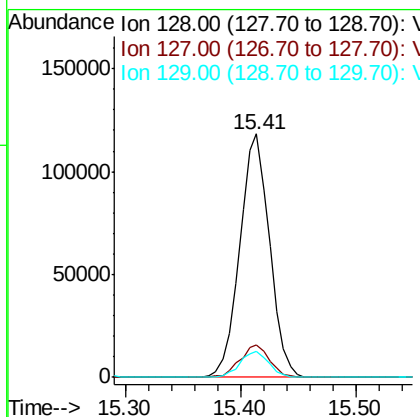
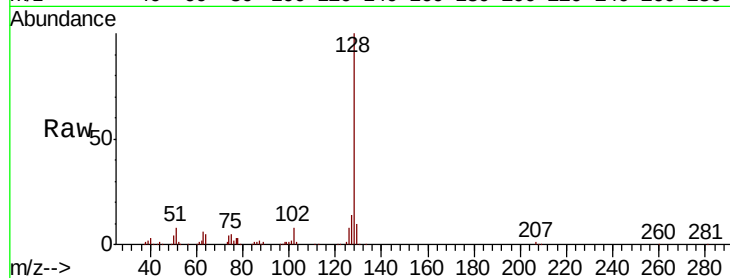
ClientSampleId :

VD1210SBS01

Tot Ion:	128	Resp:	211142
Ion Ratio	Lower	Upper	
128	100		
127	13.4	10.5	15.7
129	10.3	8.8	13.2

Manual Integrations
APPROVED

apatel
12/11/2019 2:15:22 PM



#96

1,2,3-Trichlorobenzene

Concen: 20.784 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VD064485.D

Acq: 10 Dec 2019 12:11

Tgt Ion:	180	Resp:	112455
Ion Ratio	Lower	Upper	
180	100		
182	95.0	47.6	142.9
145	28.7	14.6	43.8

