

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121119\
 Data File : VD064493.D
 Acq On : 11 Dec 2019 11:04
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD05006

Manual Integrations
 APPROVED

apatel
 12/12/2019 10:28:58 AM

Quant Time: Dec 12 03:11:04 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	468416	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	666050	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	581559	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	288797	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	194817	45.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.90%	
35) Dibromofluoromethane	7.91	113	205858	49.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.12%	
50) Toluene-d8	10.34	98	795551	50.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.66%	
62) 4-Bromofluorobenzene	12.64	95	247020	48.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	209382	49.333	ug/l	100
3) Chloromethane	2.21	50	260741	48.707	ug/l	96
4) Vinyl Chloride	2.35	62	322409	52.162	ug/l	99
5) Bromomethane	2.77	94	206232	45.119	ug/l	100
6) Chloroethane	2.93	64	207371	50.195	ug/l	97
7) Trichlorofluoromethane	3.27	101	549646	53.492	ug/l	96
8) Diethyl Ether	3.71	74	97177	45.512	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.08	101	233371	52.970	ug/l	96
10) Methyl Iodide	4.30	142	251528	54.062	ug/l	99
11) Tert butyl alcohol	5.25	59	60822	225.360	ug/l #	100
12) 1,1-Dichloroethene	4.06	96	217695	51.561	ug/l	96
13) Acrolein	3.92	56	88326	239.937	ug/l	100
14) Allyl chloride	4.71	41	334890	50.825	ug/l	99
15) Acrylonitrile	5.43	53	209539	224.417	ug/l	98
16) Acetone	4.17	43	247295	288.630	ug/l	99
17) Carbon Disulfide	4.40	76	675777	50.537	ug/l	98
18) Methyl Acetate	4.73	43	106263	42.519	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	442730	45.714	ug/l	98
20) Methylene Chloride	4.96	84	224526	51.729	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	239227	50.091	ug/l	99
22) Diisopropyl ether	6.37	45	628920	48.350	ug/l	97
23) Vinyl Acetate	6.31	43	1830139	238.658	ug/l	99
24) 1,1-Dichloroethane	6.26	63	398998	51.006	ug/l	98
25) 2-Butanone	7.22	43	283789	234.212	ug/l	95
26) 2,2-Dichloropropane	7.20	77	376881	55.399	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	252162	48.430	ug/l	94
28) Bromochloromethane	7.54	49	134313	50.241	ug/l	98
29) Tetrahydrofuran	7.57	42	166328	215.759	ug/l	99
30) Chloroform	7.71	83	406119	50.129	ug/l	99
31) Cyclohexane	7.98	56	386479	57.254	ug/l	99
32) 1,1,1-Trichloroethane	7.90	97	393225	52.353	ug/l	100
36) 1,1-Dichloropropene	8.11	75	337852	53.628	ug/l	99
37) Ethyl Acetate	7.30	43	123771	46.301	ug/l	98
38) Carbon Tetrachloride	8.09	117	367692	55.300	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	425038	54.389	ug/l	100
40) Benzene	8.35	78	902928	51.603	ug/l	99
41) Methacrylonitrile	7.53	41	74597	48.660	ug/l	95
42) 1,2-Dichloroethane	8.43	62	252378	49.459	ug/l	99
43) Isopropyl Acetate	8.46	43	239351	45.539	ug/l	98
44) Trichloroethene	9.11	130	270277	51.279	ug/l	97
45) 1,2-Dichloropropane	9.39	63	214937	51.363	ug/l	100
46) Dibromomethane	9.47	93	115235	48.791	ug/l	99
47) Bromodichloromethane	9.66	83	311409	51.315	ug/l	98
48) Methyl methacrylate	9.46	41	110700	46.027	ug/l	94
49) 1,4-Dioxane	9.47	88	25846	886.198	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	596132	229.227	ug/l	100
52) Toluene	10.40	92	591426	51.865	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	287400	49.692	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	349332	50.843	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	155664	48.134	ug/l	98
56) Ethyl methacrylate	10.66	69	193934	47.017	ug/l	98
57) 1,3-Dichloropropane	10.95	76	263405	47.847	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	359701	218.757	ug/l	100
59) 2-Hexanone	10.98	43	438051	242.749	ug/l	99
60) Dibromochloromethane	11.14	129	212376	48.434	ug/l	98
61) 1,2-Dibromoethane	11.25	107	151157	46.812	ug/l	99
64) Tetrachloroethene	10.87	164	236830	53.402	ug/l	93
65) Chlorobenzene	11.67	112	613484	50.578	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	232097	51.690	ug/l	100
67) Ethyl Benzene	11.74	91	1141336	52.886	ug/l	98
68) m/p-Xylenes	11.86	106	881165	107.085	ug/l	100
69) o-Xylene	12.18	106	400517	52.702	ug/l	99
70) Styrene	12.20	104	683376	51.746	ug/l	100
71) Bromoform	12.36	173	128433	47.809	ug/l #	97
73) Isopropylbenzene	12.48	105	1106877	53.291	ug/l	100
74) N-amyl acetate	12.29	43	220779	46.833	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.74	83	156473	45.555	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	118338m	49.827	ug/l	
77) Bromobenzene	12.77	156	260008	50.692	ug/l	98
78) n-propylbenzene	12.83	91	1290427	53.846	ug/l	100
79) 2-Chlorotoluene	12.91	91	680289	51.589	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	891651	52.532	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	53052	48.708	ug/l	97
82) 4-Chlorotoluene	13.01	91	728757	52.196	ug/l	100
83) tert-Butylbenzene	13.23	119	796143	53.952	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	880306	51.578	ug/l	100
85) sec-Butylbenzene	13.41	105	1098982	54.263	ug/l	99
86) p-Isopropyltoluene	13.52	119	1030341	53.886	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	496192	50.969	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	481417	50.088	ug/l	99
89) n-Butylbenzene	13.85	91	945918	54.476	ug/l	99
90) Hexachloroethane	14.12	117	189310	52.935	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	413512	49.702	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	25834	50.368	ug/l	94

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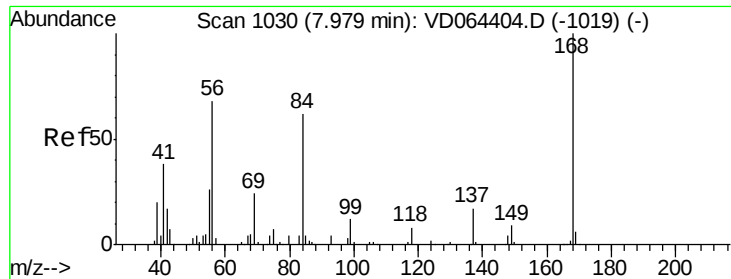
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	310965	48.804	ug/l	98
94) Hexachlorobutadiene	15.28	225	206066	52.387	ug/l	99
95) Naphthalene	15.41	128	484145	45.530	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	263617	48.468	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD064493.D

Acq: 11 Dec 2019 11:04

Instrument :

MSVOA_D

ClientSampleId :

VSTD05006

Tot Ion:168 Resp: 468416

Ion Ratio Lower Upper

168 100

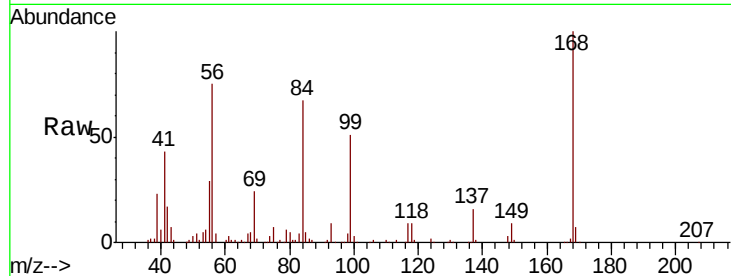
99 50.6 40.7 61.1

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

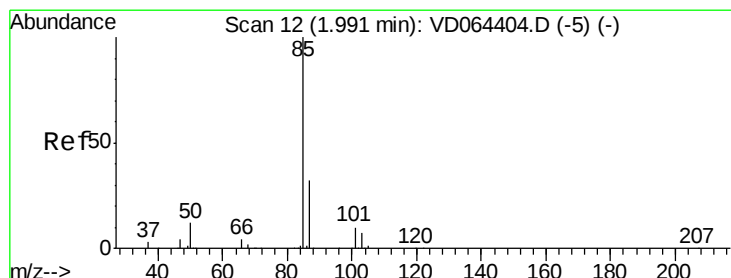
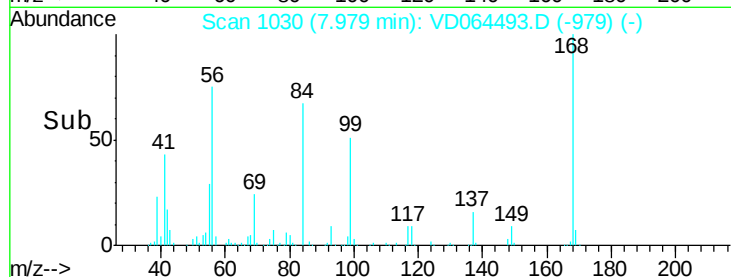
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 49.333 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064493.D

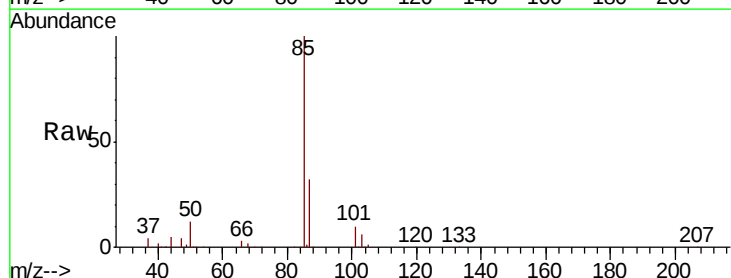
Acq: 11 Dec 2019 11:04

Tgt Ion: 85 Resp: 209382

Ion Ratio Lower Upper

85 100

87 32.2 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

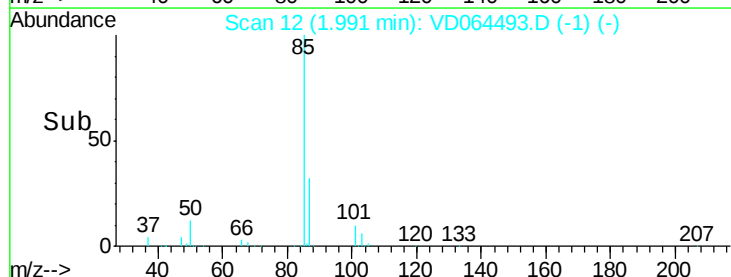
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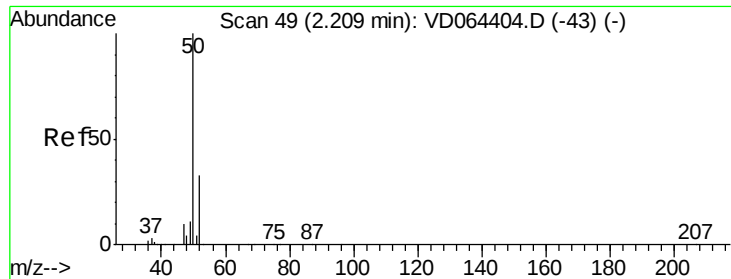
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50000

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Time-->





#3

Chloromethane

Concen: 48.707 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064493.D

Acq: 11 Dec 2019 11:04

Instrument :

MSVOA_D

ClientSampleId :

VSTD05006

Tot Ion: 50 Resp: 260741

Ion Ratio Lower Upper

50 100

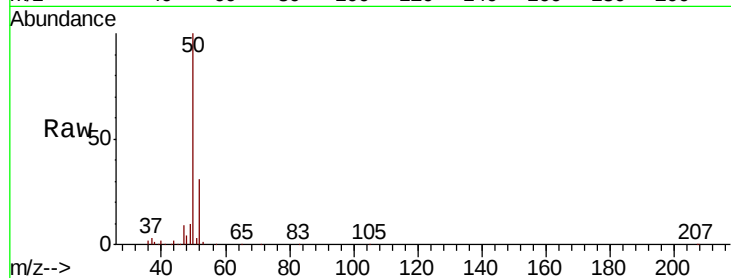
52 31.1 26.7 40.1

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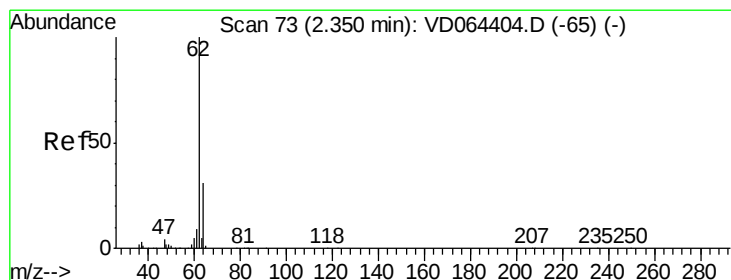
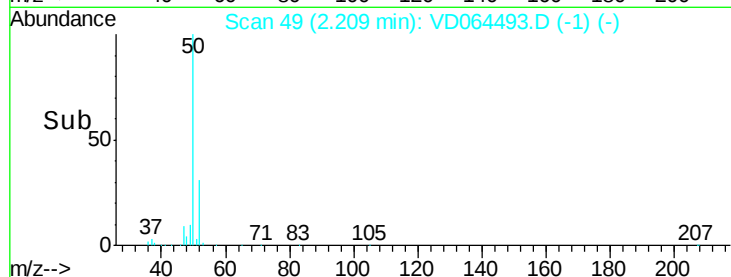
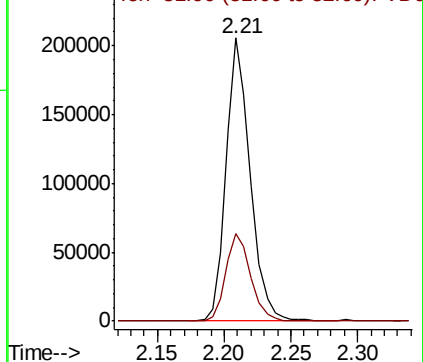
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 52.162 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064493.D

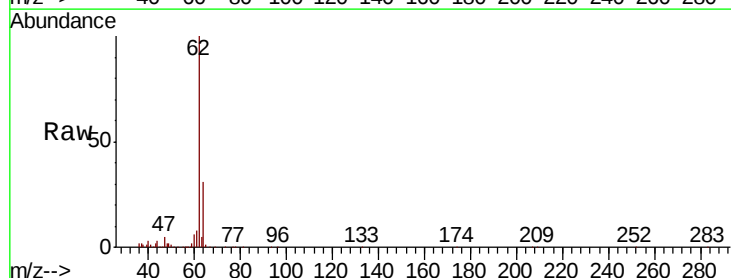
Acq: 11 Dec 2019 11:04

Tgt Ion: 62 Resp: 322409

Ion Ratio Lower Upper

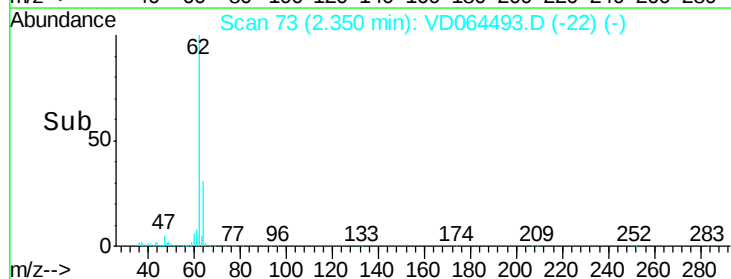
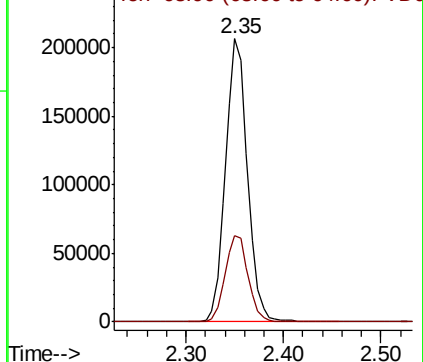
62 100

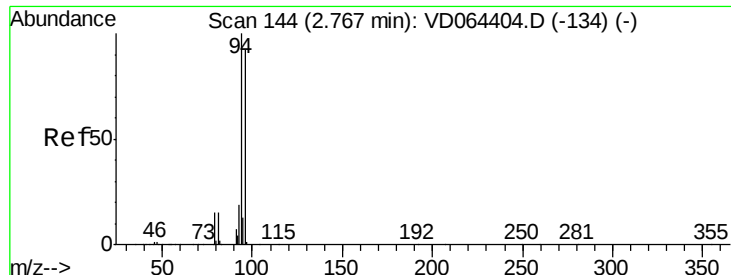
64 30.6 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 45.119 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.00 min

Lab File: VD064493.D

Acq: 11 Dec 2019 11:04

Instrument :

MSVOA_D

ClientSampleId :

VSTD05006

Tot Ion: 94 Resp: 206232

Ion Ratio Lower Upper

94 100

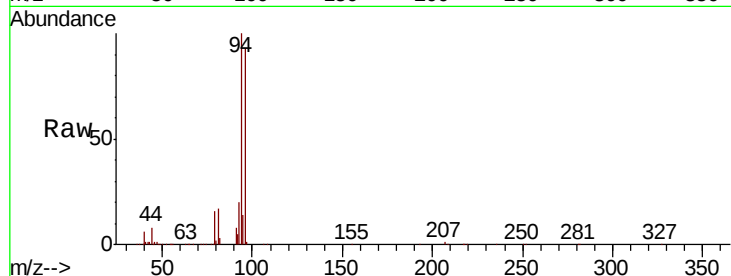
96 92.3 73.6 110.4

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

100000

80000

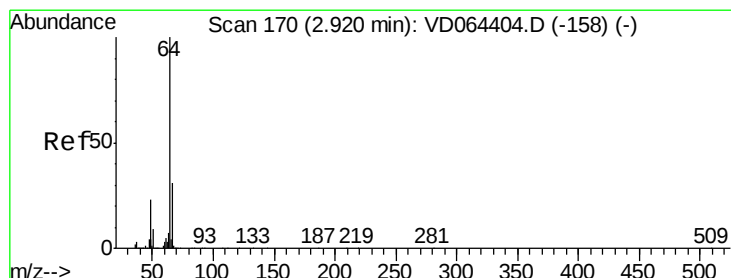
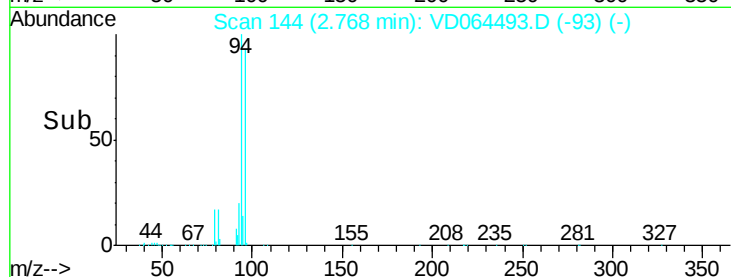
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 50.195 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD064493.D

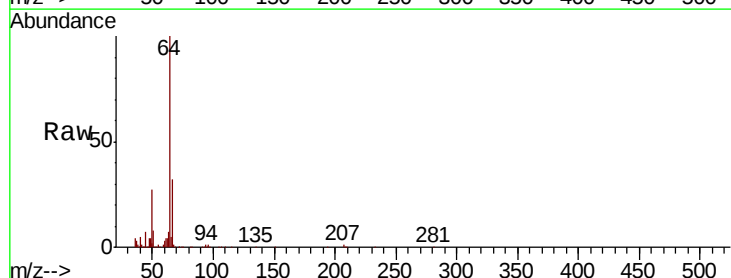
Acq: 11 Dec 2019 11:04

Tgt Ion: 64 Resp: 207371

Ion Ratio Lower Upper

64 100

66 32.5 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.93

120000

100000

80000

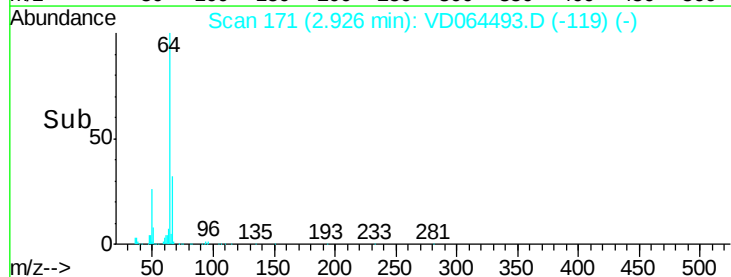
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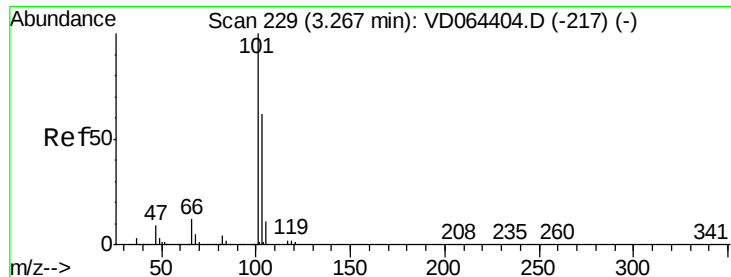
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Time-->





#7

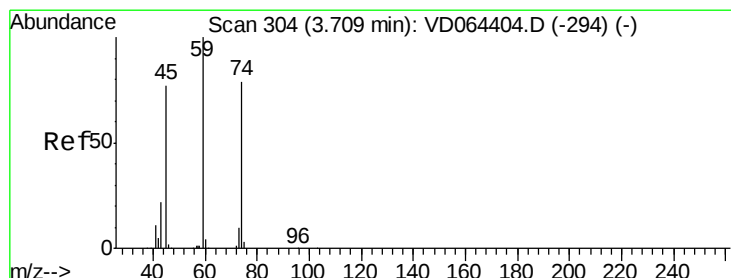
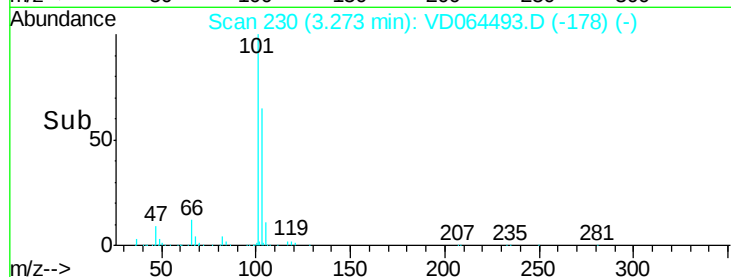
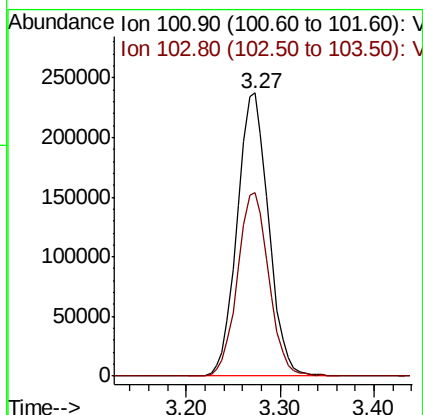
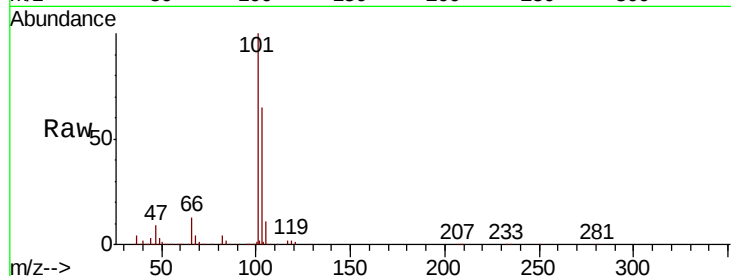
Trichlorofluoromethane
Concen: 53.492 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.01 min
Lab File: VD064493.D
Acq: 11 Dec 2019 11:04

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ClientSampleId :
VSTD05006

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.0	49.8	74.6

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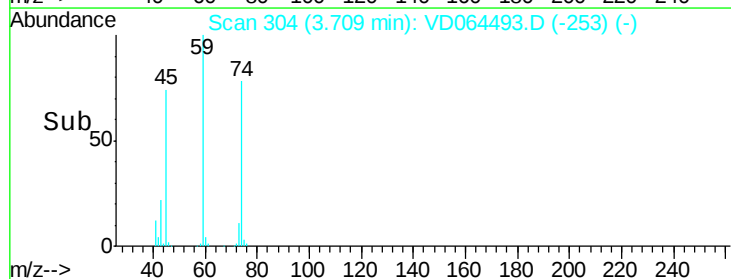
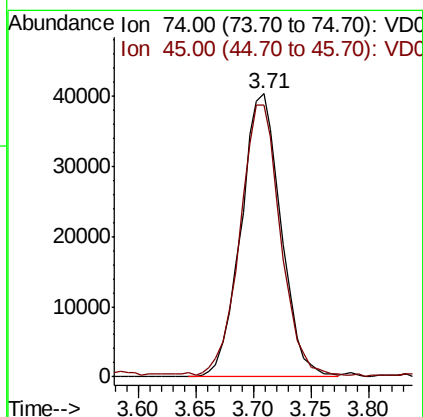
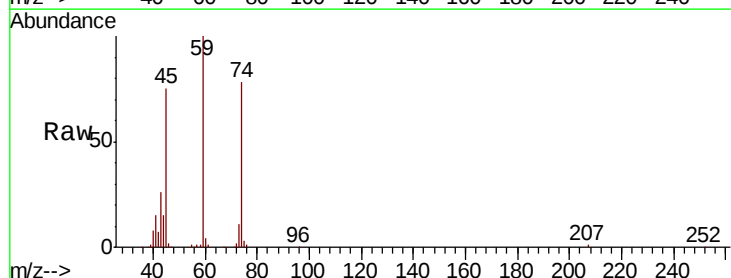
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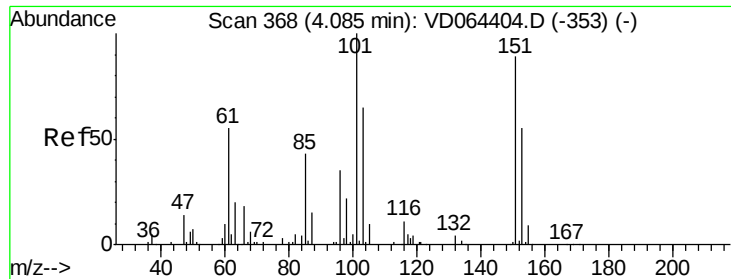


#8

Diethyl Ether
Concen: 45.512 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD064493.D
Acq: 11 Dec 2019 11:04

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.3	48.6	145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.970 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD064493.D

Acq: 11 Dec 2019 11:04

Instrument :

MSVOA_D

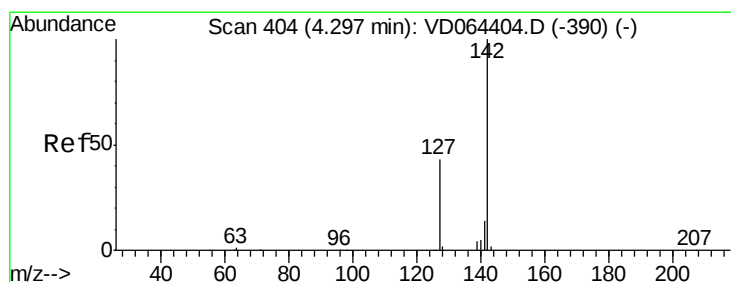
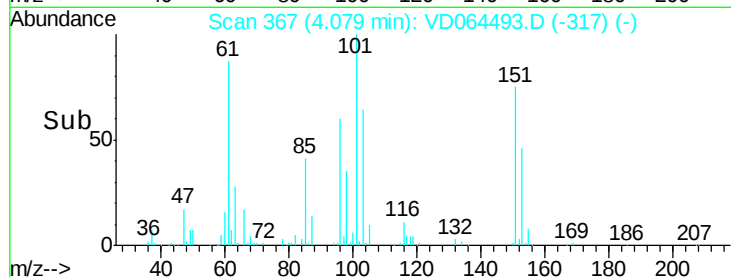
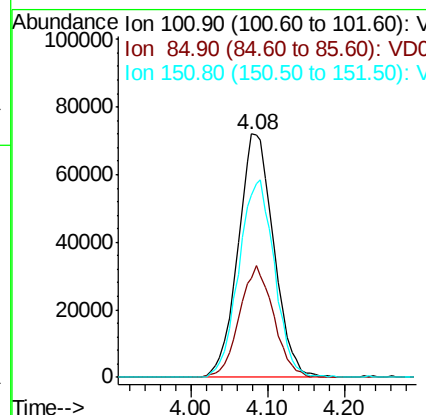
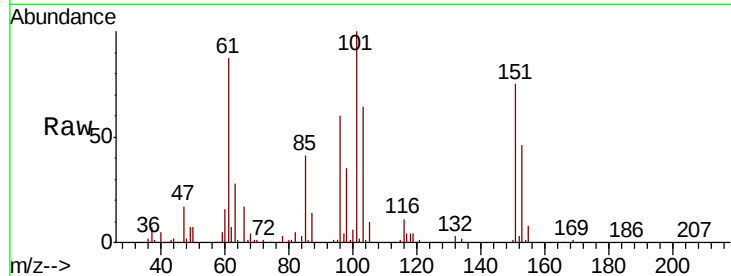
ClientSampleId :

VSTD05006

Tot Ion:	101	Resp:	233371
Ion Ratio	Lower	Upper	
101	100		
85	44.0	34.8	52.2
151	81.1	68.8	103.2

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#10

Methyl Iodide

Concen: 54.062 ug/l

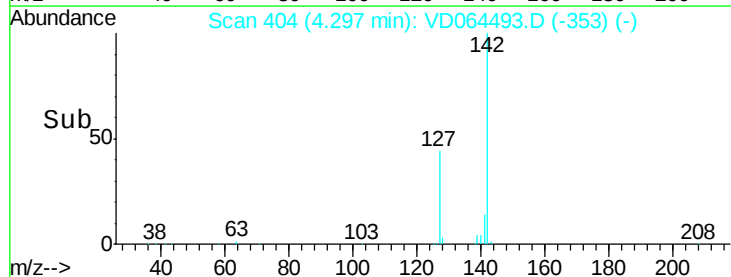
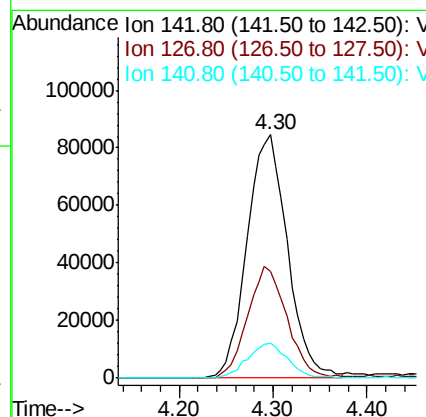
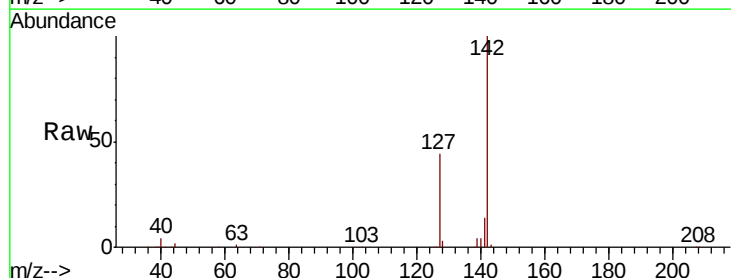
RT: 4.30 min Scan# 404

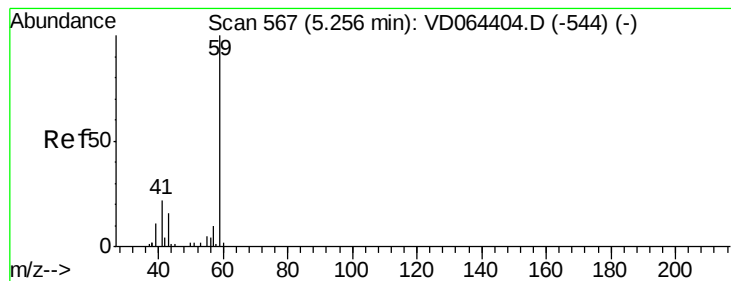
Delta R.T. 0.00 min

Lab File: VD064493.D

Acq: 11 Dec 2019 11:04

Tgt Ion:	142	Resp:	251528
Ion Ratio	Lower	Upper	
142	100		
127	44.9	35.3	52.9
141	14.5	11.6	17.4





#11

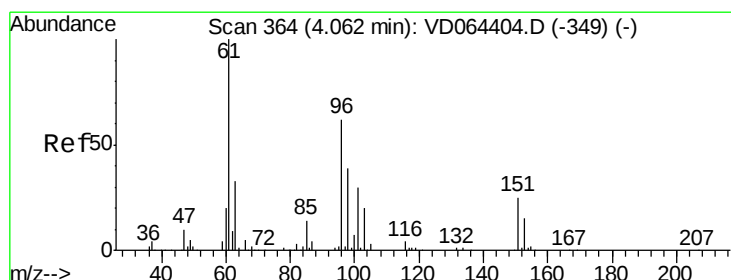
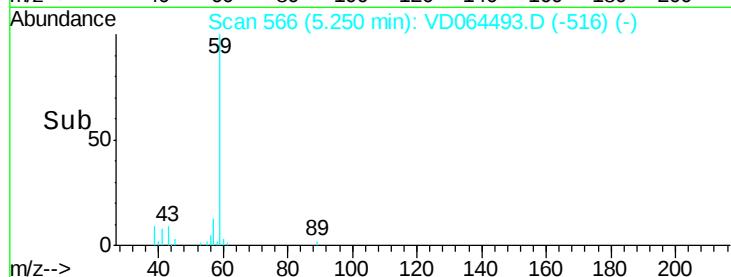
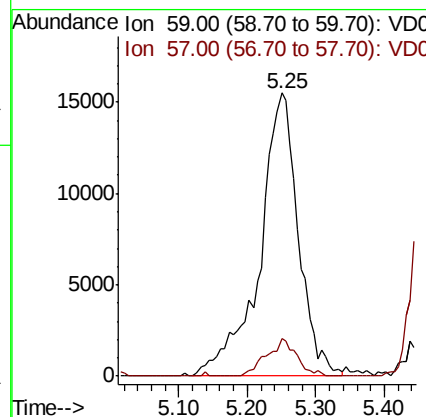
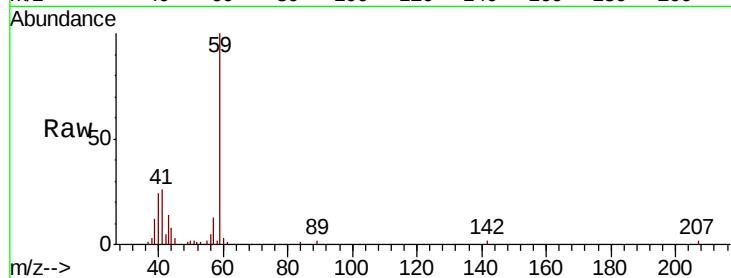
Tert butyl alcohol
Concen: 225.360 ug/l
RT: 5.25 min Scan# 566
Delta R.T. -0.01 min
Lab File: VD064493.D
Acq: 11 Dec 2019 11:04

Instrument :
MSVOA_D
ClientSampleId :
VSTD05006

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	0.0	0.0#

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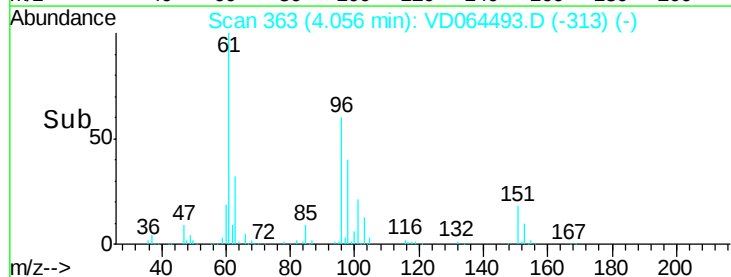
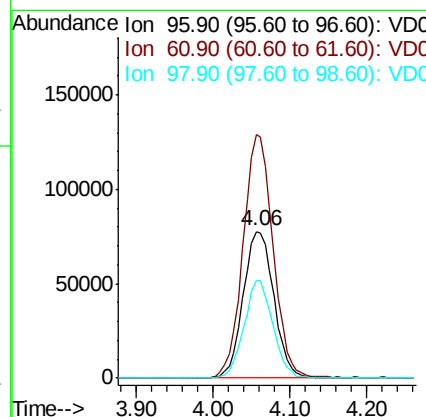
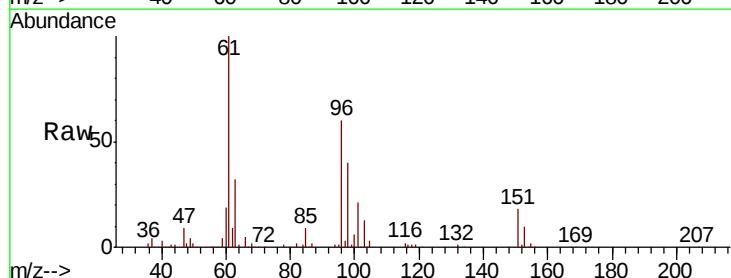
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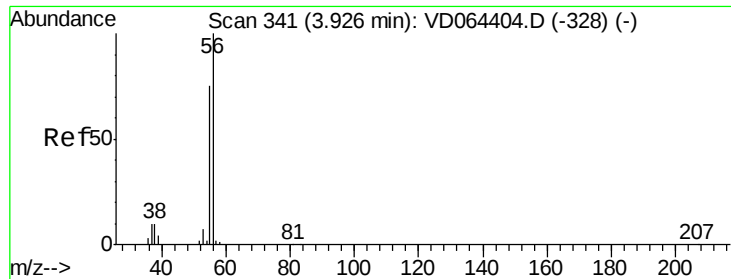


#12

1,1-Dichloroethene
Concen: 51.561 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD064493.D
Acq: 11 Dec 2019 11:04

Tgt Ion	Ratio	Lower	Upper
96	100		
61	166.2	128.2	192.4
98	66.4	50.4	75.6





#13

Acrolein

Concen: 239.937 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064493.D

Acq: 11 Dec 2019 11:04

Instrument :

MSVOA_D

ClientSampleId :

VSTD05006

Tot Ion: 56 Resp: 88326

Ion Ratio Lower Upper

56 100

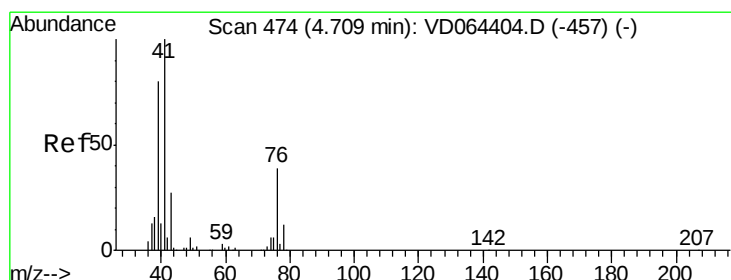
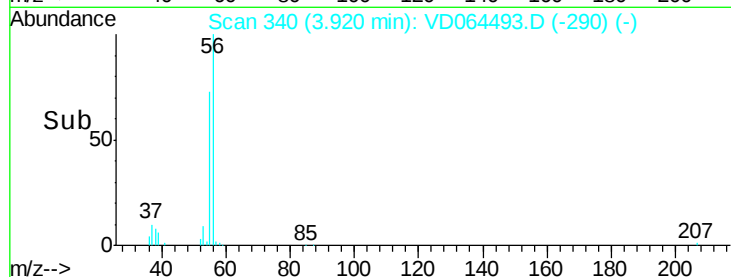
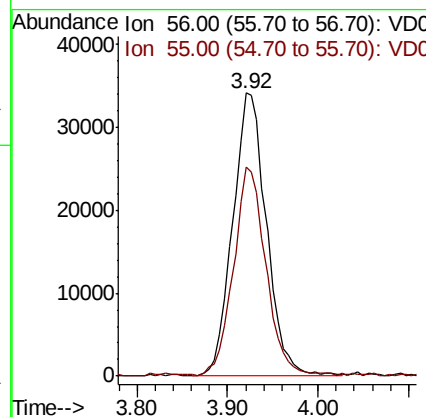
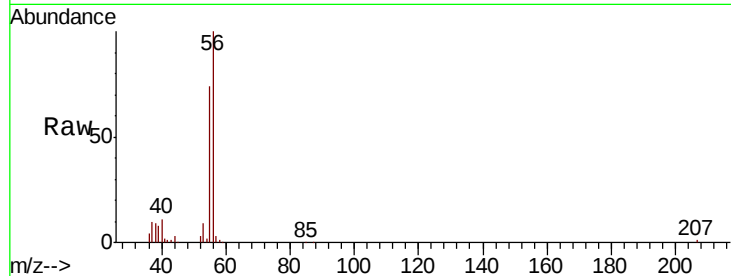
55 71.5 56.9 85.3

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#14

Allyl chloride

Concen: 50.825 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD064493.D

Acq: 11 Dec 2019 11:04

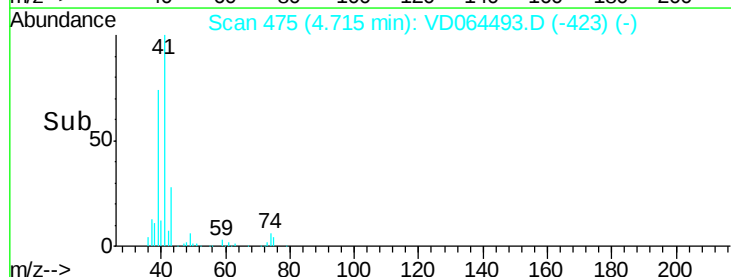
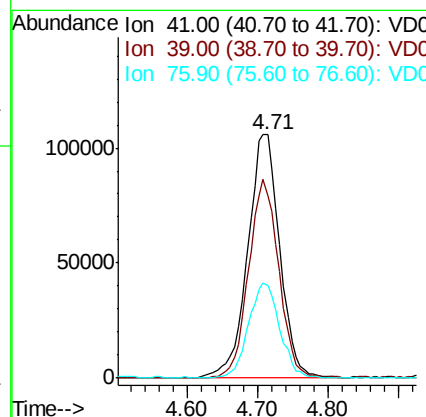
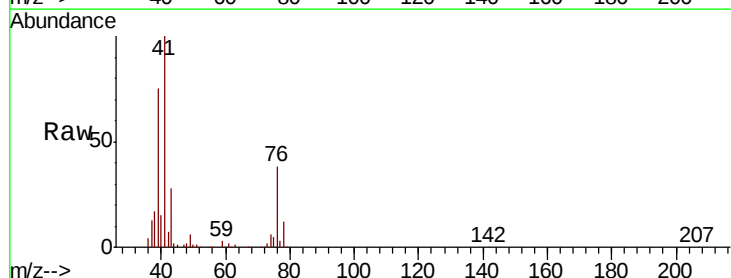
Tgt Ion: 41 Resp: 334890

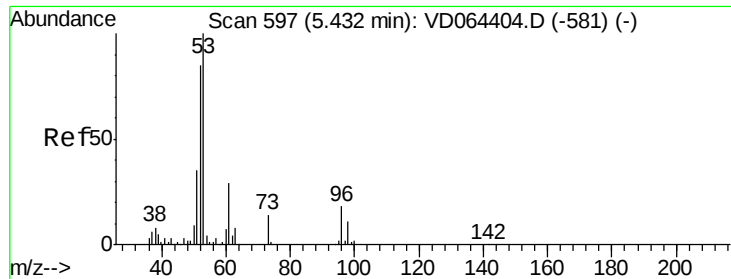
Ion Ratio Lower Upper

41 100

39 76.9 62.1 93.1

76 38.0 29.8 44.8





#15

Acrylonitrile

Concen: 224.417 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD064493.D

Acq: 11 Dec 2019 11:04

Instrument :

MSVOA_D

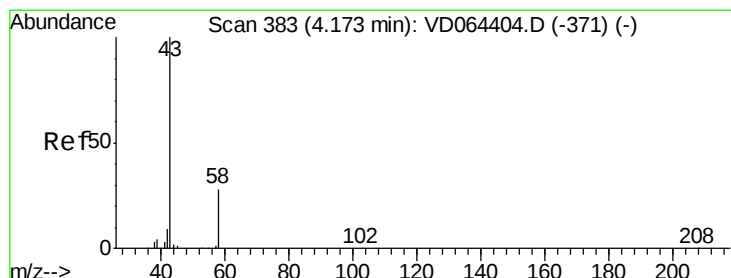
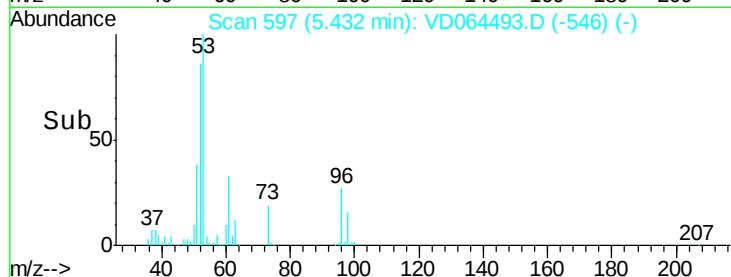
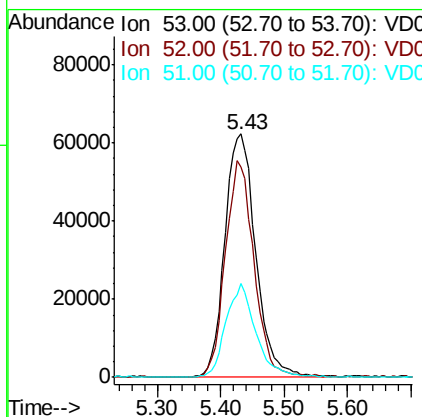
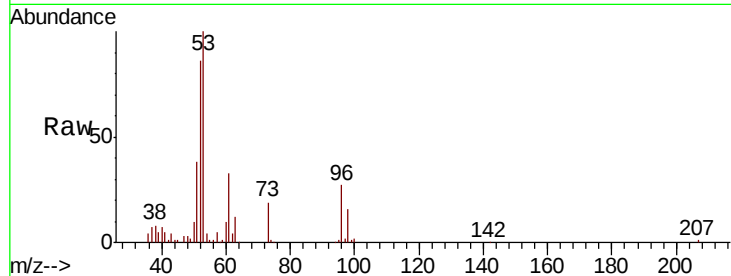
ClientSampleId :

VSTD05006

Tot Ion:	53	Resp:	209539
Ion Ratio	Lower	Upper	
53	100		
52	82.3	67.9	101.9
51	37.5	30.6	45.8

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#16

Acetone

Concen: 288.630 ug/l

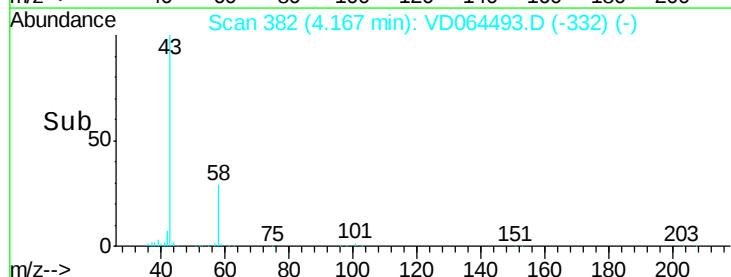
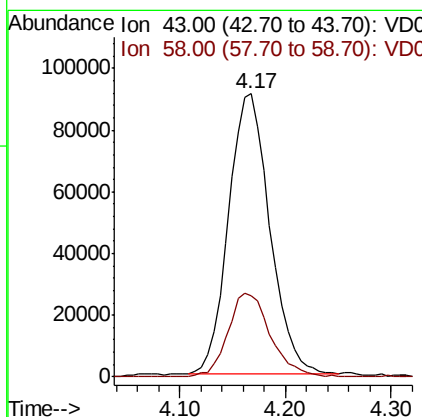
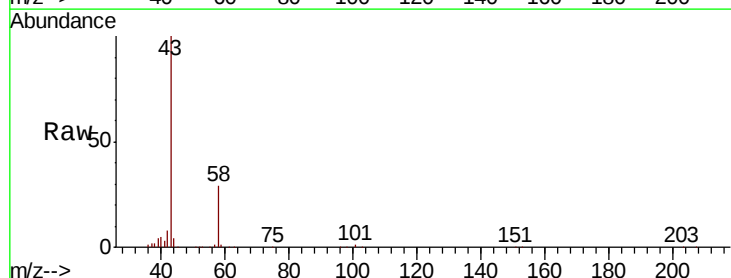
RT: 4.17 min Scan# 382

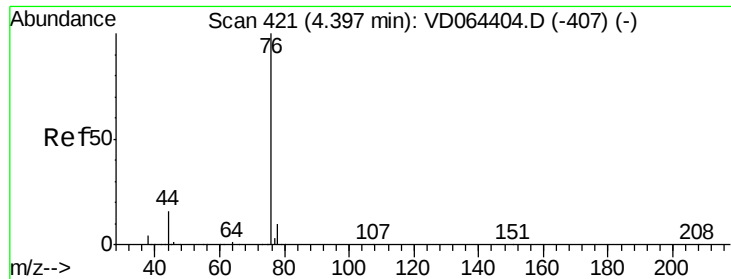
Delta R.T. -0.01 min

Lab File: VD064493.D

Acq: 11 Dec 2019 11:04

Tgt Ion:	43	Resp:	247295
Ion Ratio	Lower	Upper	
43	100		
58	28.9	22.6	33.8





#17

Carbon Disulfide

Concen: 50.537 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.01 min

Lab File: VD064493.D

Acq: 11 Dec 2019 11:04

Instrument :

MSVOA_D

ClientSampleId :

VSTD05006

Tot Ion: 76 Resp: 675777

Ion Ratio Lower Upper

76 100

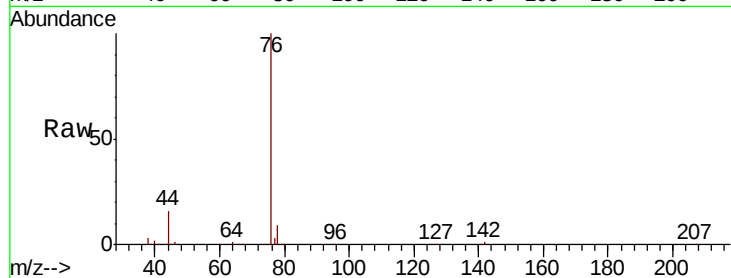
78 9.0 7.8 11.8

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.40

250000

200000

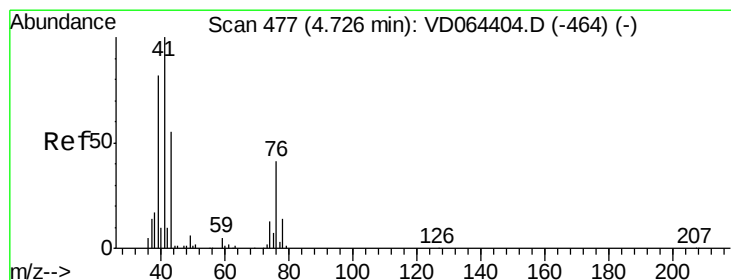
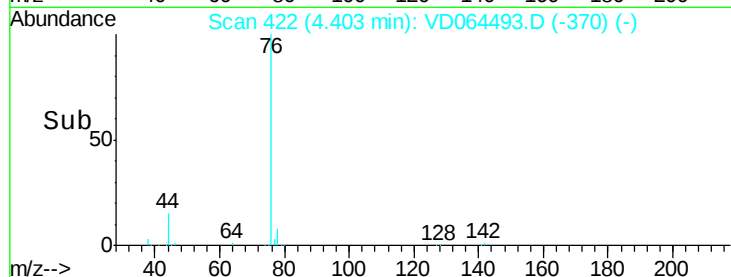
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 42.519 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.00 min

Lab File: VD064493.D

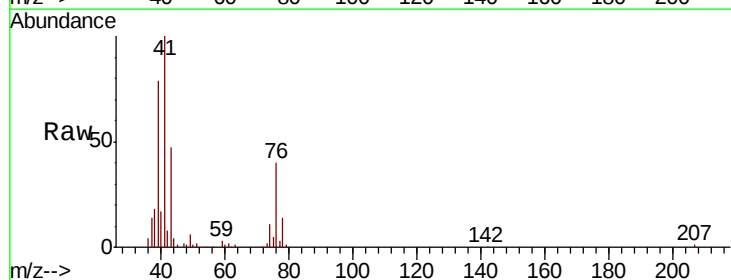
Acq: 11 Dec 2019 11:04

Tgt Ion: 43 Resp: 106263

Ion Ratio Lower Upper

43 100

74 23.9 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.73

40000

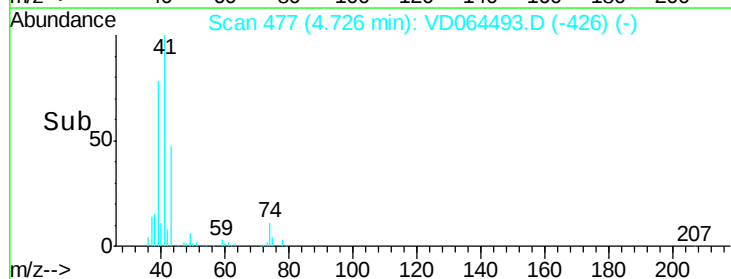
30000

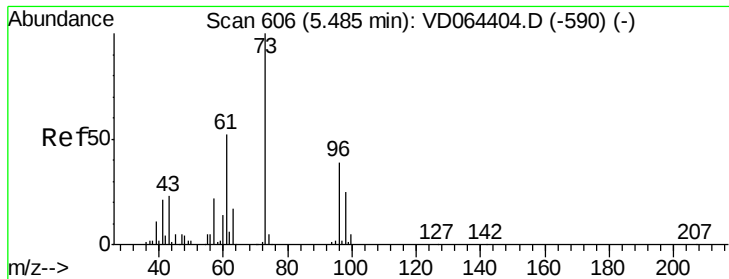
20000

10000

0

Time-->





#19

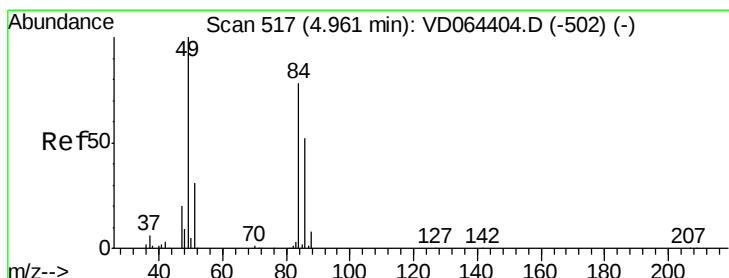
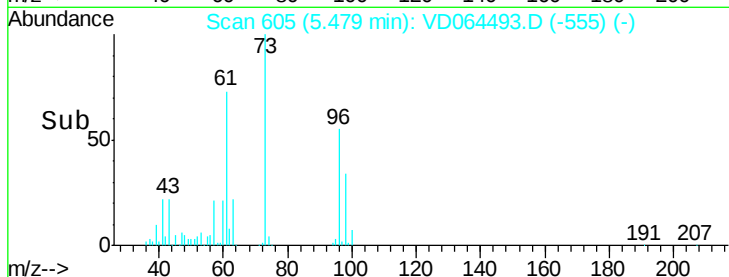
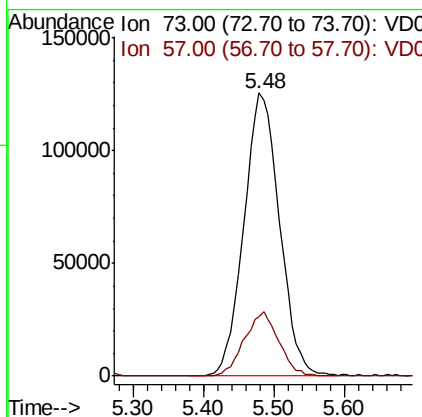
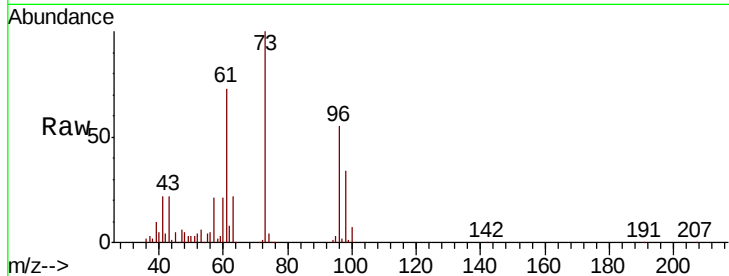
Methyl tert-butyl Ether
 Concen: 45.714 ug/l
 RT: 5.48 min Scan# 605
 Delta R.T. -0.01 min
 Lab File: VD064493.D
 Acq: 11 Dec 2019 11:04

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTD05006

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.2	17.6	26.4

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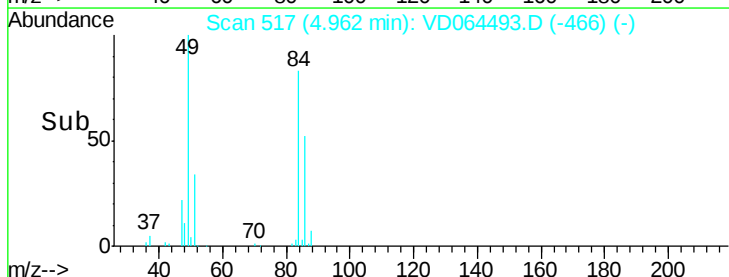
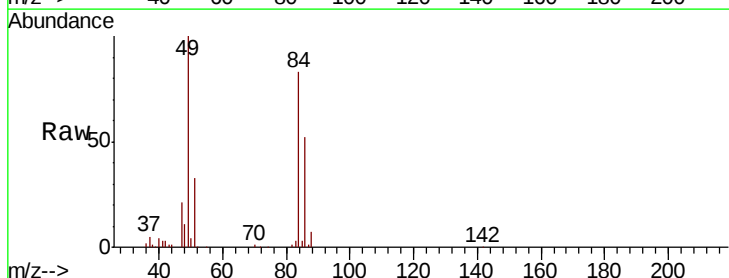
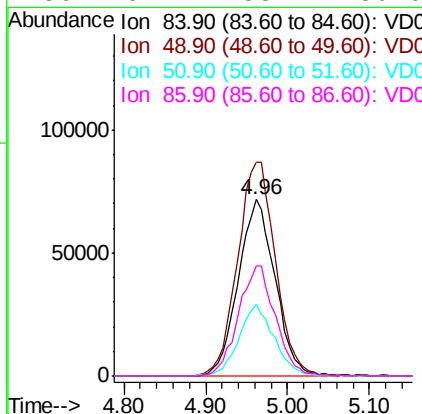
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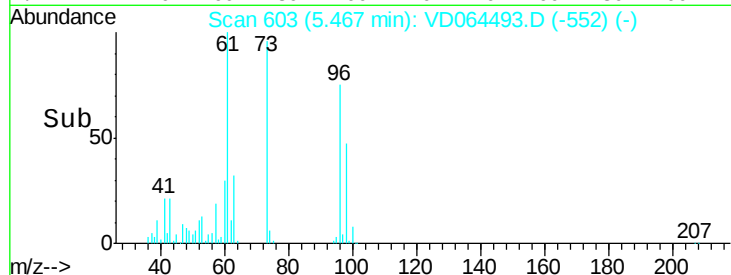
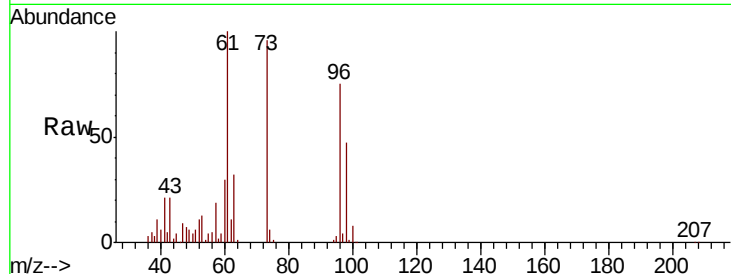
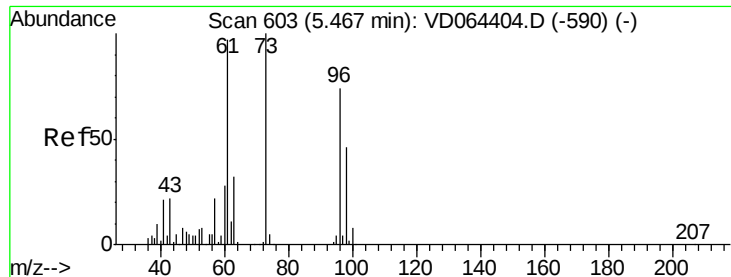


#20

Methylene Chloride
 Concen: 51.729 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. 0.00 min
 Lab File: VD064493.D
 Acq: 11 Dec 2019 11:04

Tgt Ion	Ratio	Lower	Upper
84	100		
49	121.2	102.6	153.8
51	40.5	32.0	48.0
86	62.7	53.4	80.0





#21

trans-1,2-Dichloroethene

Concen: 50.091 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.00 min

Lab File: VD064493.D

Acq: 11 Dec 2019 11:04

Tot Ion:	96	Resp:	239227
Ion	Ratio	Lower	Upper
96	100		
61	134.1	105.8	158.6
98	63.0	50.1	75.1

Instrument :

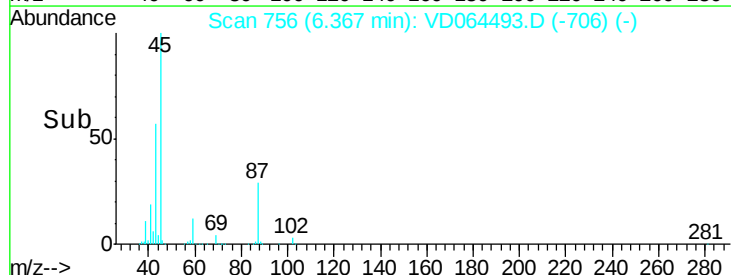
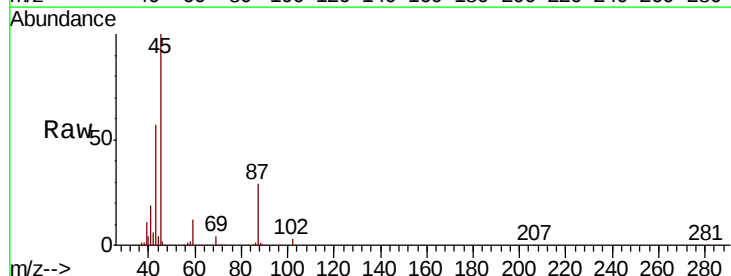
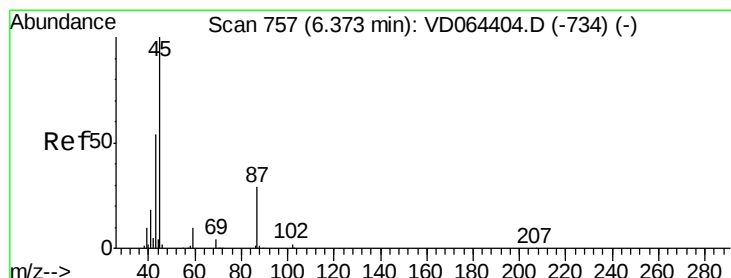
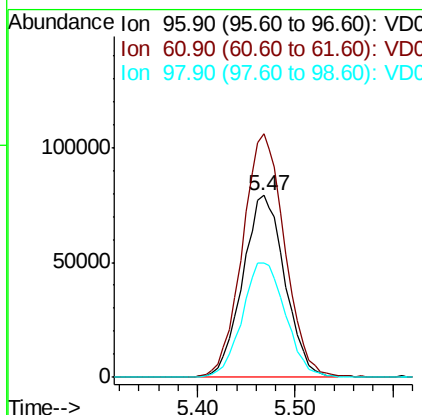
MSVOA_D

ClientSampleId :

VSTD05006

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#22

Diisopropyl ether

Concen: 48.350 ug/l

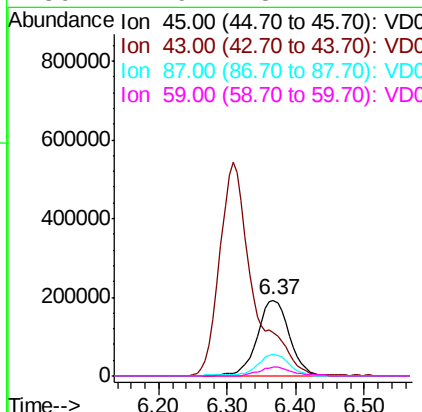
RT: 6.37 min Scan# 756

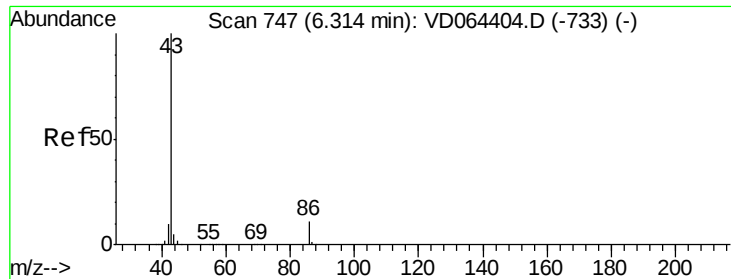
Delta R.T. -0.01 min

Lab File: VD064493.D

Acq: 11 Dec 2019 11:04

Tgt Ion:	45	Resp:	628920
Ion	Ratio	Lower	Upper
45	100		
43	56.6	43.1	64.7
87	28.5	23.5	35.3
59	11.9	8.2	12.2





#23

Vinyl Acetate

Concen: 238.658 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064493.D

Acq: 11 Dec 2019 11:04

Instrument :

MSVOA_D

ClientSampleId :

VSTD05006

Tot Ion: 43 Resp: 1830139

Ion Ratio Lower Upper

43 100

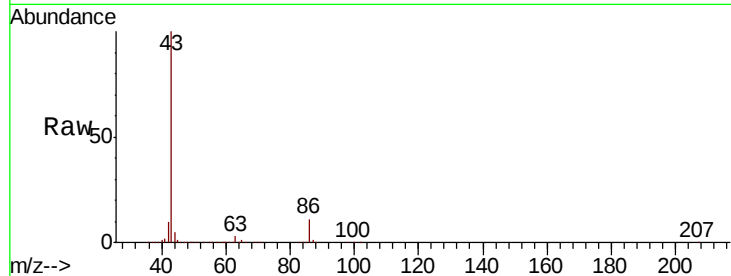
86 10.9 8.9 13.3

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

600000

500000

400000

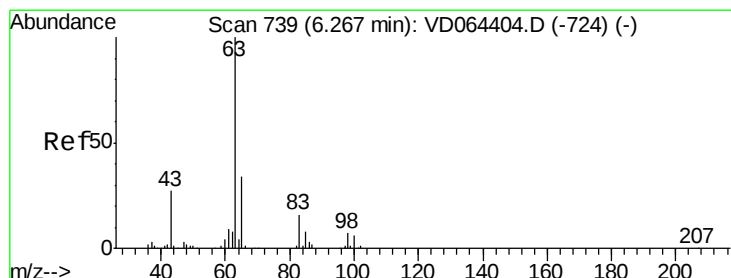
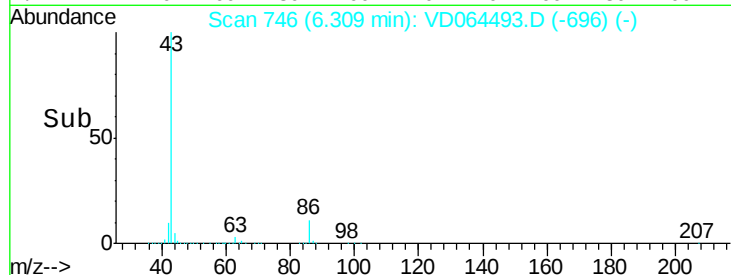
300000

200000

100000

0

Time--> 6.10 6.20 6.30 6.40 6.50



#24

1,1-Dichloroethane

Concen: 51.006 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD064493.D

Acq: 11 Dec 2019 11:04

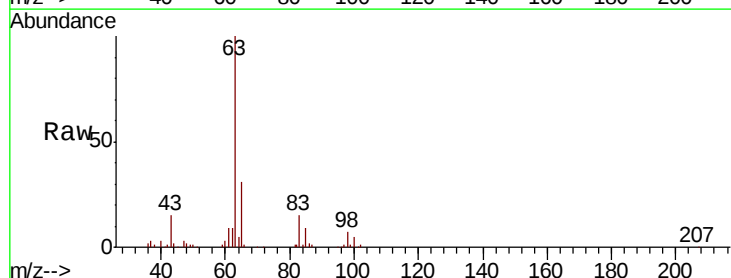
Tgt Ion: 63 Resp: 398998

Ion Ratio Lower Upper

63 100

98 6.9 3.6 10.9

100 4.7 2.9 8.6



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.26

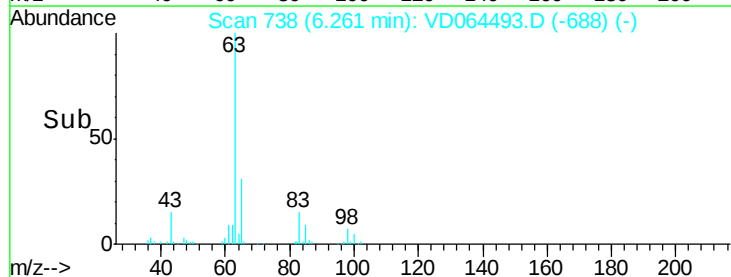
150000

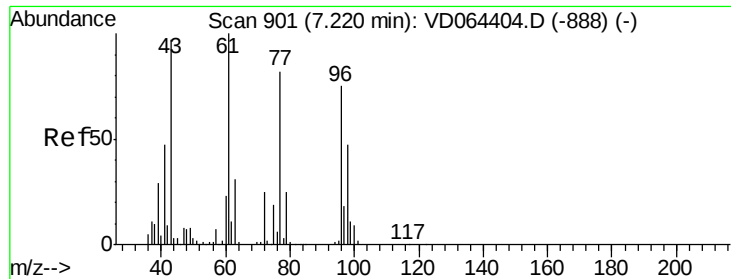
100000

50000

0

Time--> 6.10 6.20 6.30 6.40





#25

2-Butanone

Concen: 234.212 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064493.D

Acq: 11 Dec 2019 11:04

Instrument :

MSVOA_D

ClientSampleId :

VSTD05006

Tot Ion: 43 Resp: 283789

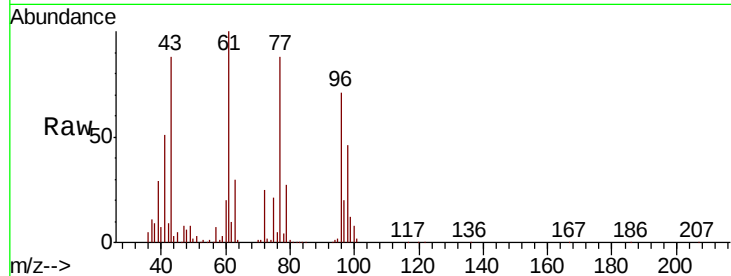
Ion Ratio Lower Upper

43 100

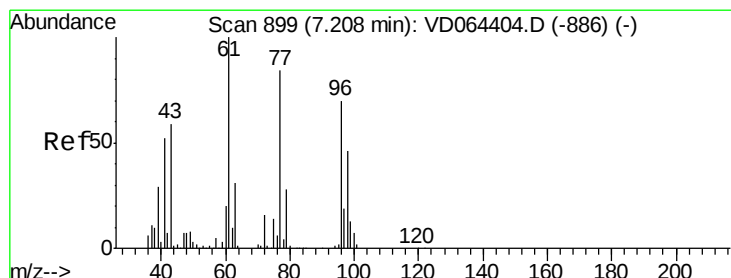
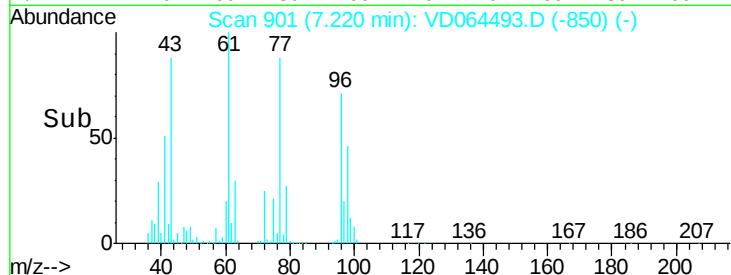
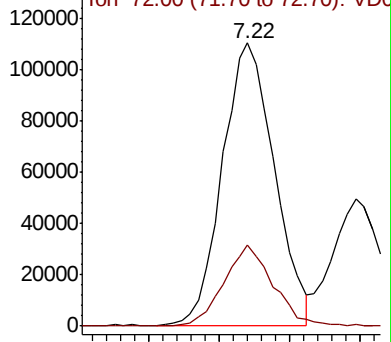
72 28.9 21.0 31.4

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Abundance Ion 43.00 (42.70 to 43.70): VDC



#26

2,2-Dichloropropane

Concen: 55.399 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD064493.D

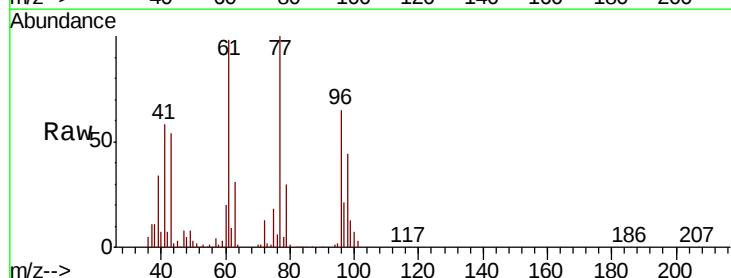
Acq: 11 Dec 2019 11:04

Tgt Ion: 77 Resp: 376881

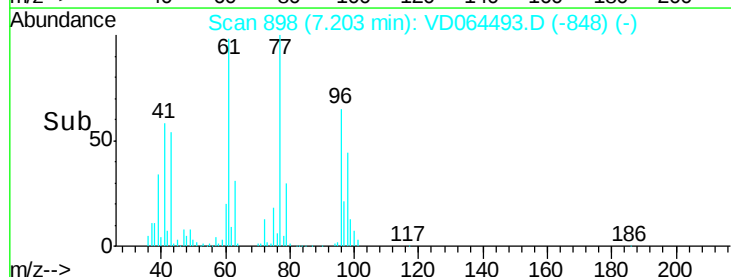
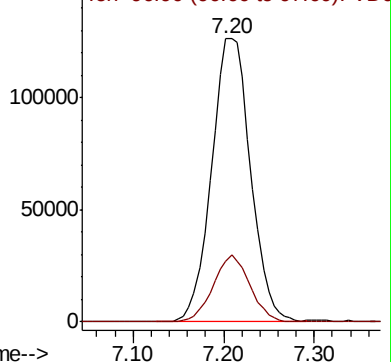
Ion Ratio Lower Upper

77 100

97 22.2 11.6 34.7



Abundance Ion 76.90 (76.60 to 77.60): VDC





#27

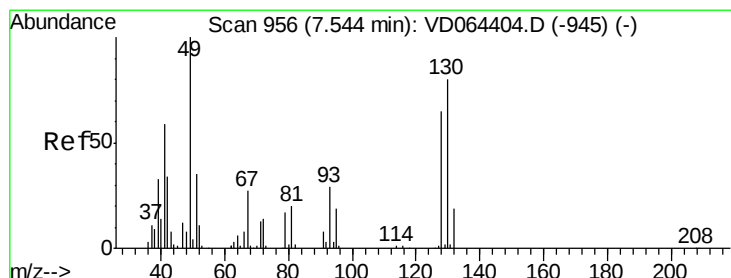
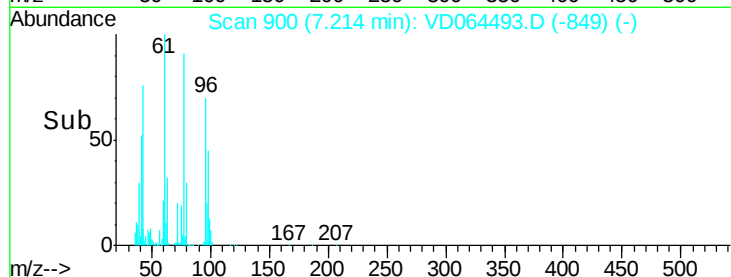
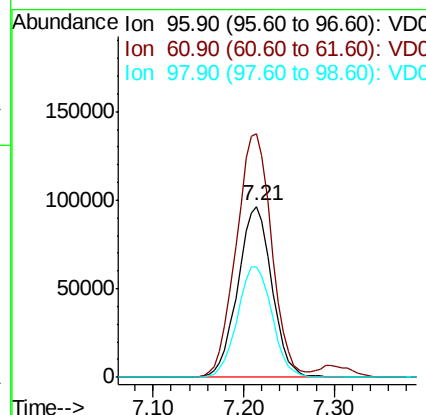
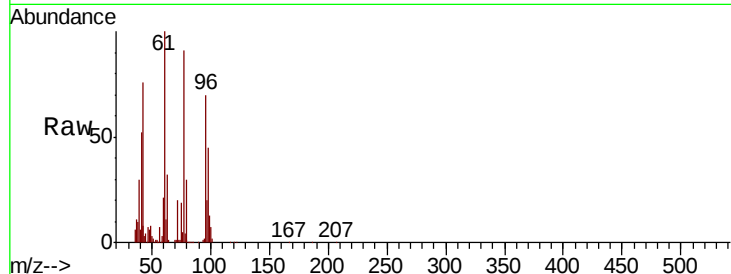
cis-1,2-Dichloroethene
Concen: 48.430 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD064493.D
Acq: 11 Dec 2019 11:04

Instrument :
MSVOA_D
ClientSampleId :
VSTD05006

Tot Ion	Ratio	Resp	Lower	Upper
96	100	252162		
61	148.5	0.0	279.6	
98	66.2	0.0	129.2	

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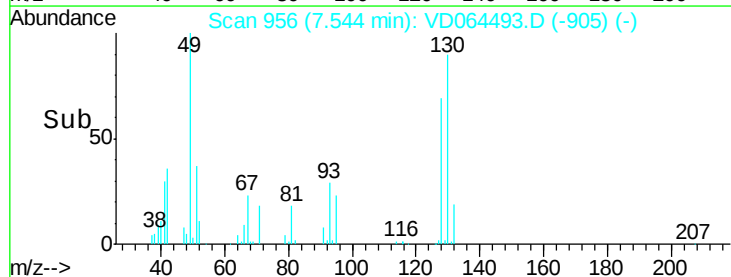
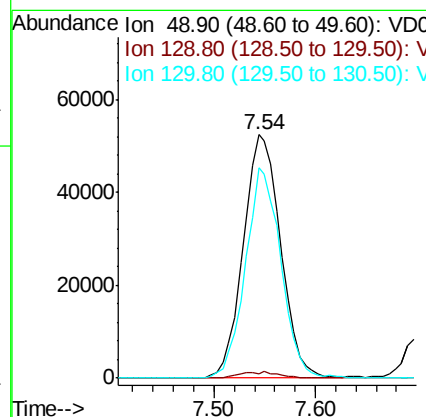
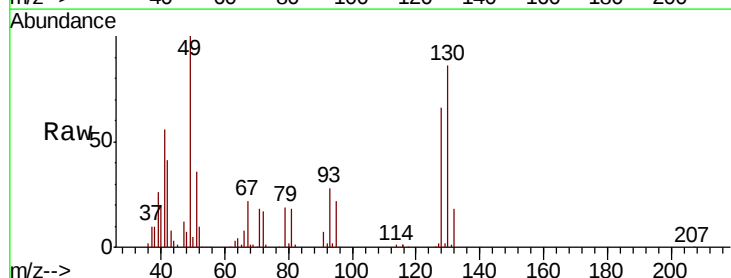
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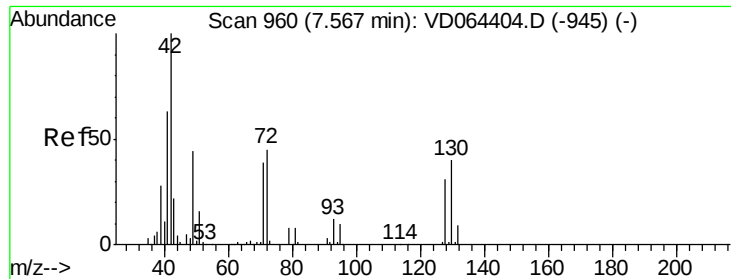


#28

Bromochloromethane
Concen: 50.241 ug/l
RT: 7.54 min Scan# 956
Delta R.T. 0.00 min
Lab File: VD064493.D
Acq: 11 Dec 2019 11:04

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	134313		
129	2.6	0.0	4.4	
130	81.9	67.4	101.0	





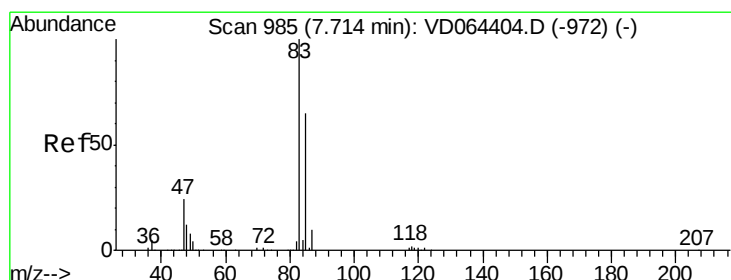
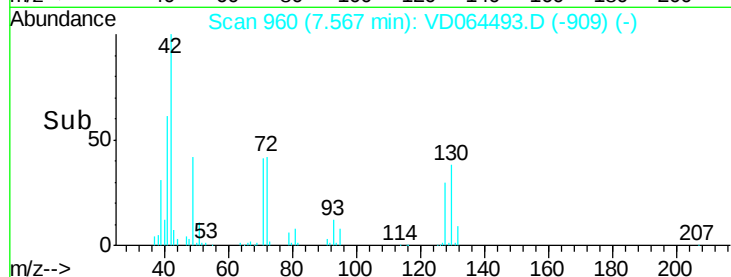
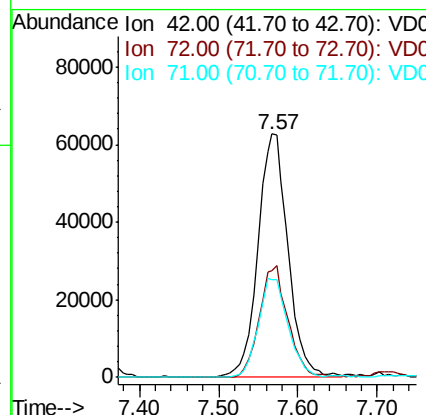
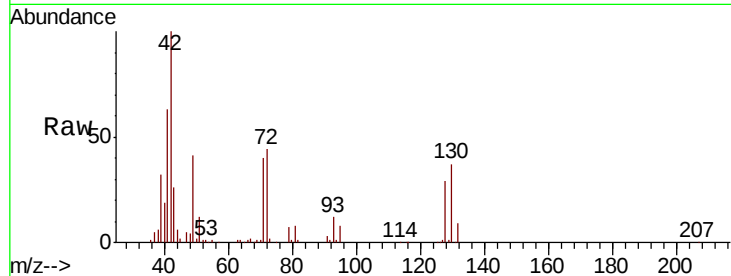
#29
Tetrahydrofuran
Concen: 215.759 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.00 min
Lab File: VD064493.D
Acq: 11 Dec 2019 11:04

Instrument :
MSVOA_D
ClientSampleId :
VSTD05006

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.6	35.8	53.8
71	40.4	32.7	49.1

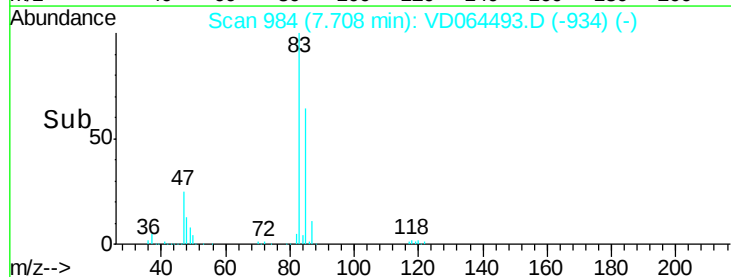
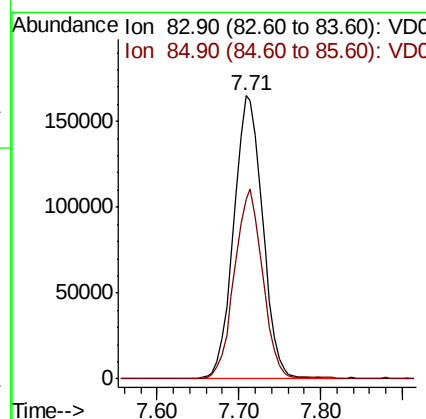
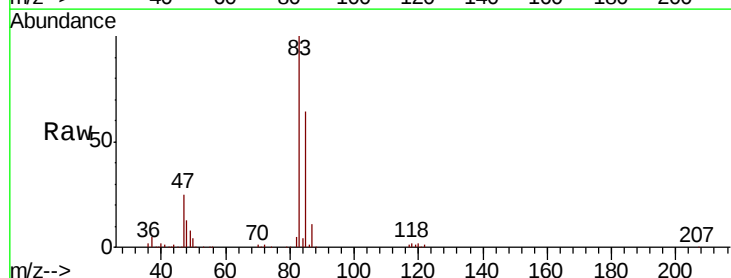
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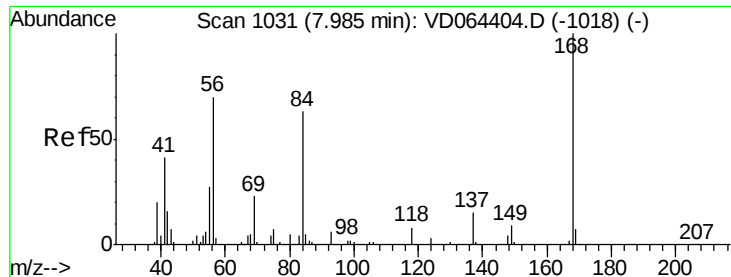
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#30
Chloroform
Concen: 50.129 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD064493.D
Acq: 11 Dec 2019 11:04

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	51.8	77.6





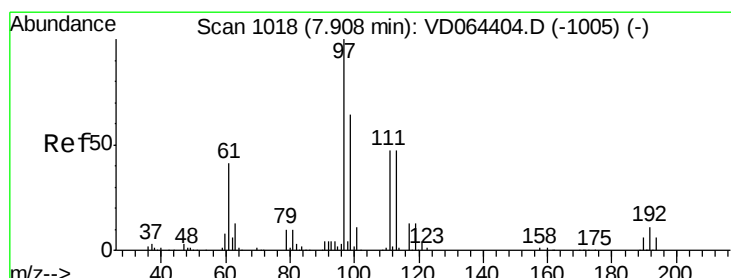
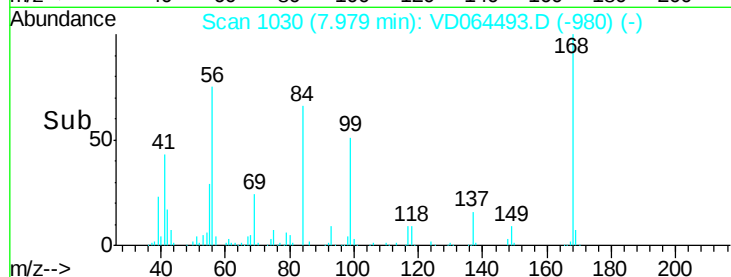
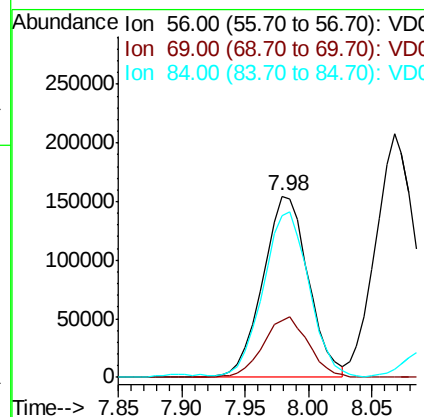
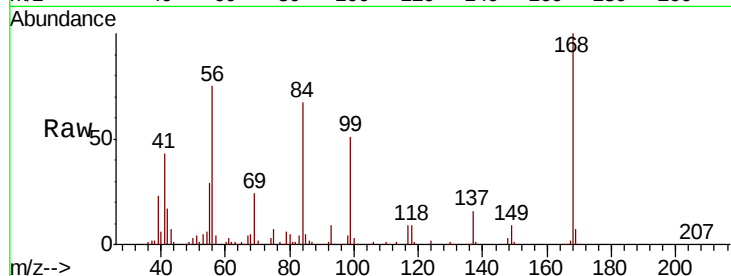
#31
Cyclohexane
Concen: 57.254 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VD064493.D
Acq: 11 Dec 2019 11:04

Instrument :
MSVOA_D
ClientSampleId :
VSTD05006

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	31.7	26.2	39.4	
84	88.4	70.3	105.5	

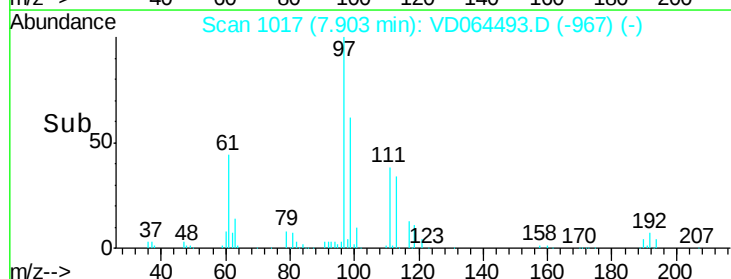
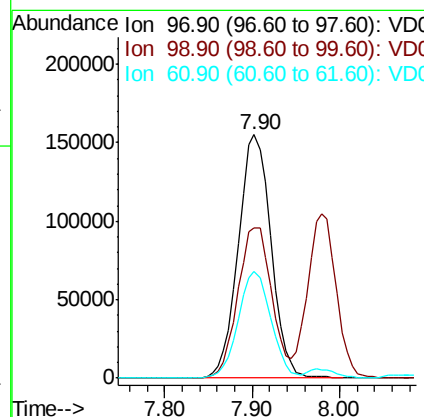
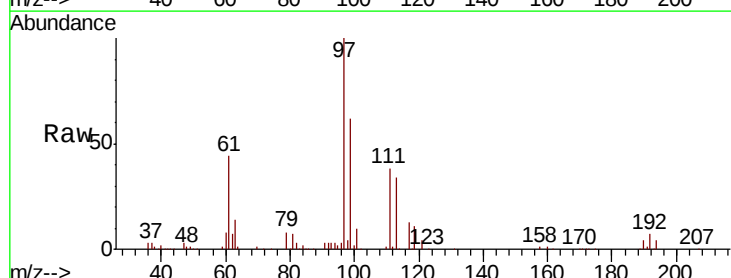
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#32
1,1,1-Trichloroethane
Concen: 52.353 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064493.D
Acq: 11 Dec 2019 11:04

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	64.3	51.4	77.2	
61	43.9	35.0	52.4	





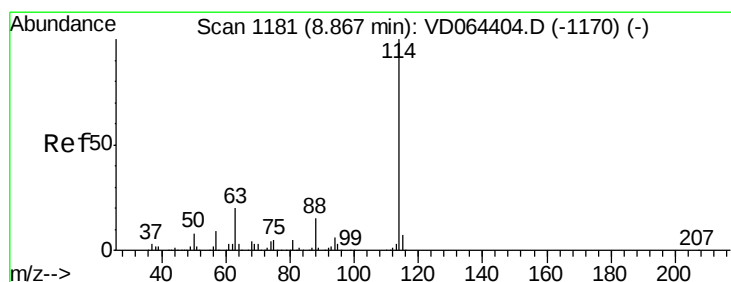
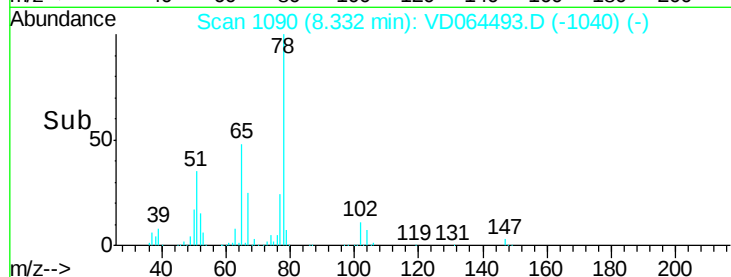
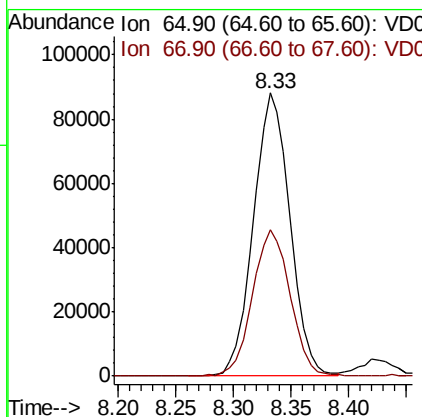
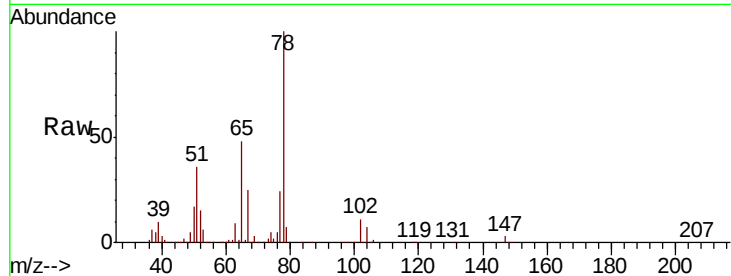
#33
 1,2-Dichloroethane-d4
 Concen: 45.949 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD064493.D
 Acq: 11 Dec 2019 11:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD05006

Tot Ion	Ratio	Resp	Lower	Upper
65	100	194817		
67	53.5	0.0	102.0	

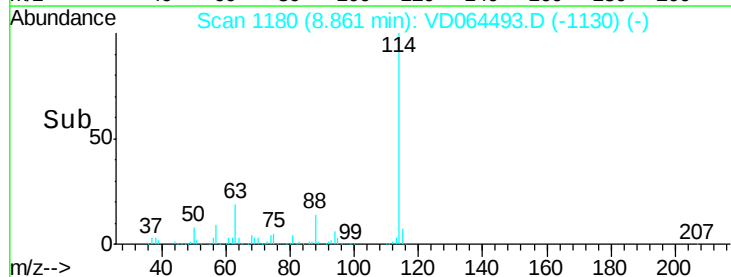
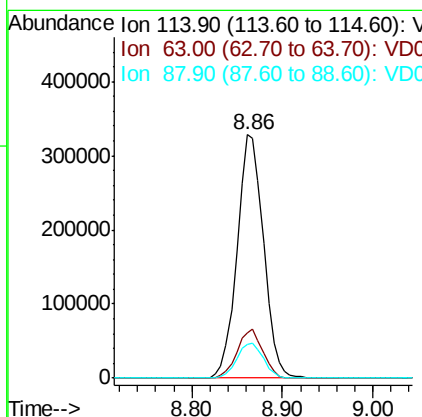
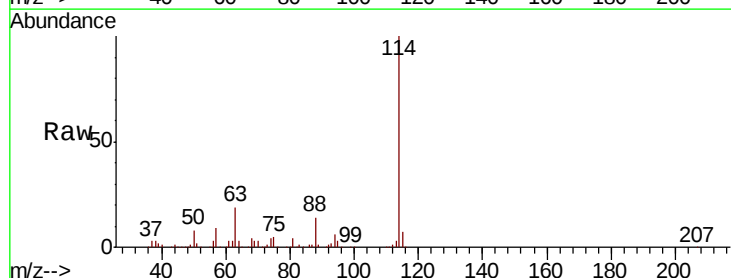
Manual Integrations
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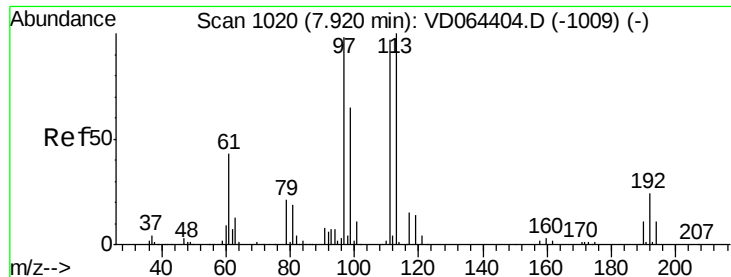
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.01 min
 Lab File: VD064493.D
 Acq: 11 Dec 2019 11:04

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	666050		
63	18.7	0.0	40.0	
88	14.1	0.0	29.2	





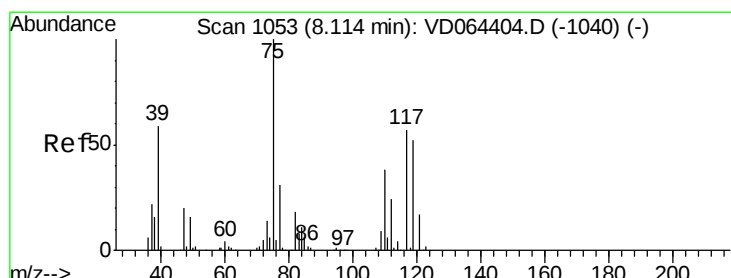
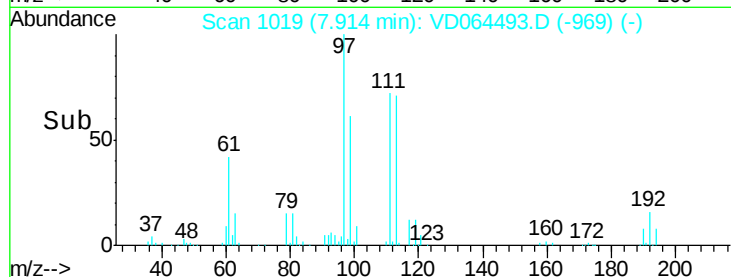
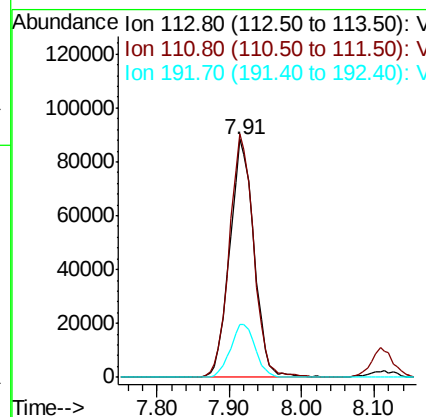
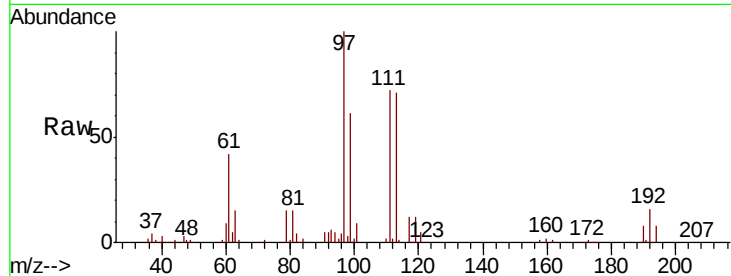
#35
Dibromofluoromethane
Concen: 49.055 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. -0.01 min
Lab File: VD064493.D
Acq: 11 Dec 2019 11:04

Instrument :
MSVOA_D
ClientSampleId :
VSTD05006

Tot Ion	Ratio	Resp	Lower	Upper
113	100	205858		
111	102.2	79.4	119.2	
192	22.8	18.6	28.0	

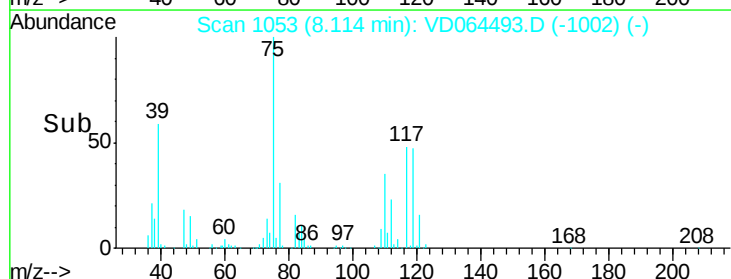
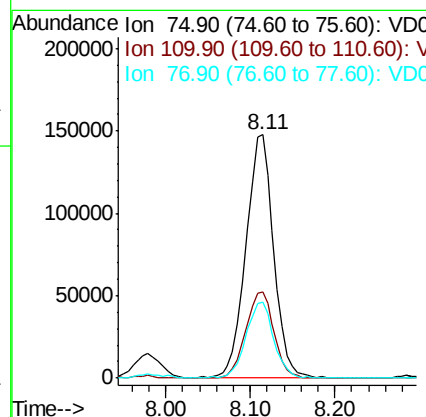
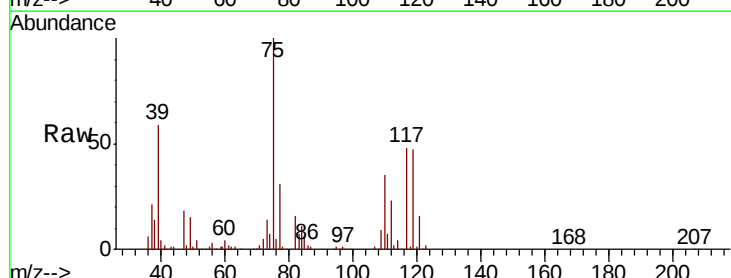
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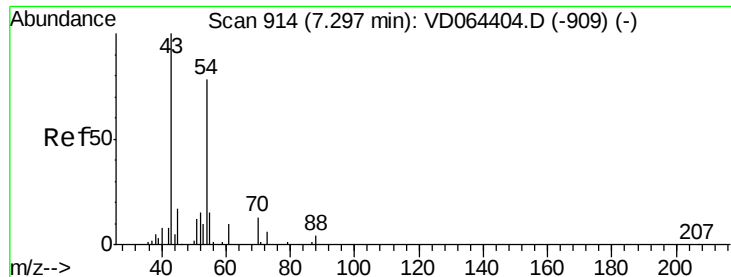
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#36
1,1-Dichloropropene
Concen: 53.628 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VD064493.D
Acq: 11 Dec 2019 11:04

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	337852		
110	35.9	18.6	55.8	
77	31.2	25.0	37.4	





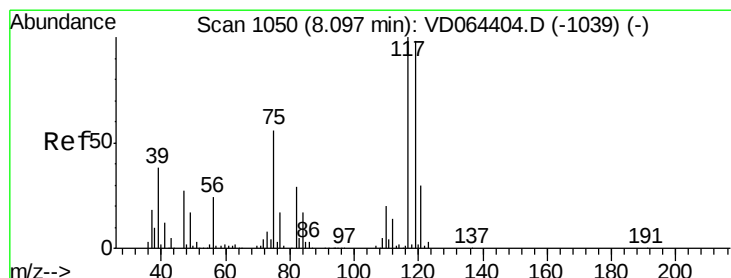
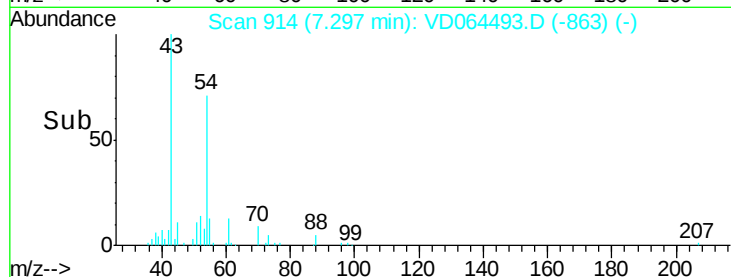
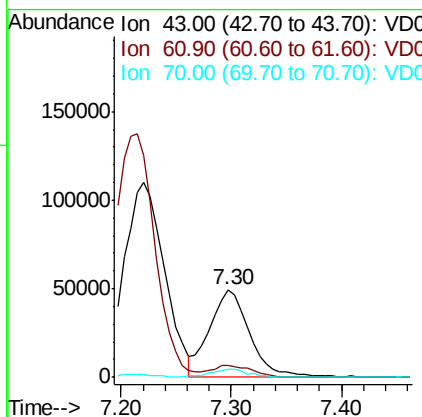
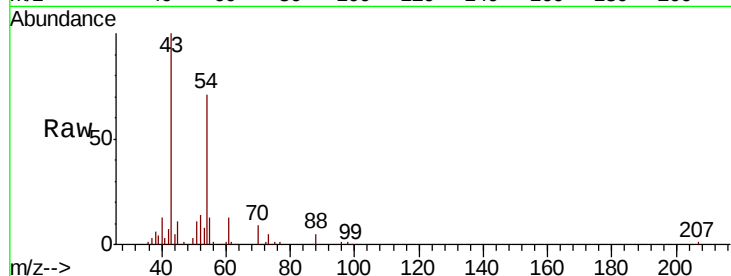
#37
Ethyl Acetate
Concen: 46.301 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD064493.D
Acq: 11 Dec 2019 11:04

Instrument :
MSVOA_D
ClientSampleId :
VSTD05006

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.9	10.9	16.3
70	9.4	8.3	12.5

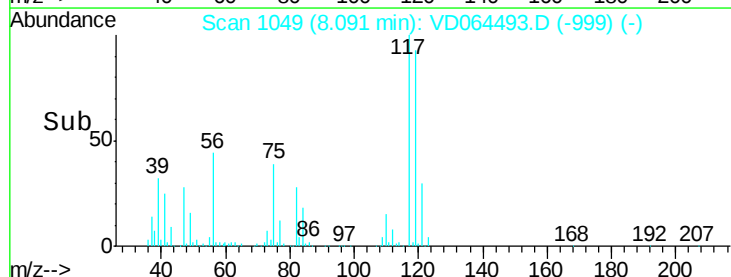
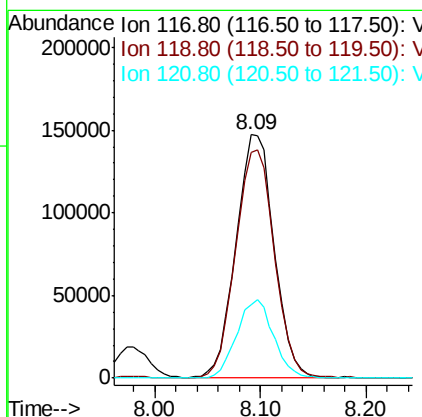
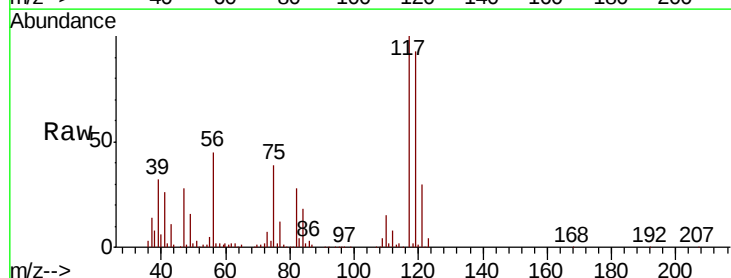
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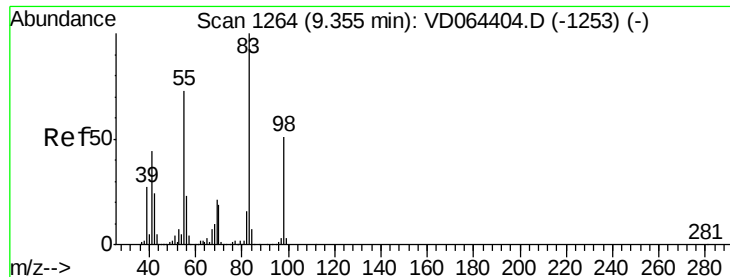
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#38
Carbon Tetrachloride
Concen: 55.300 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD064493.D
Acq: 11 Dec 2019 11:04

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.8	78.8	118.2
121	30.4	24.2	36.2





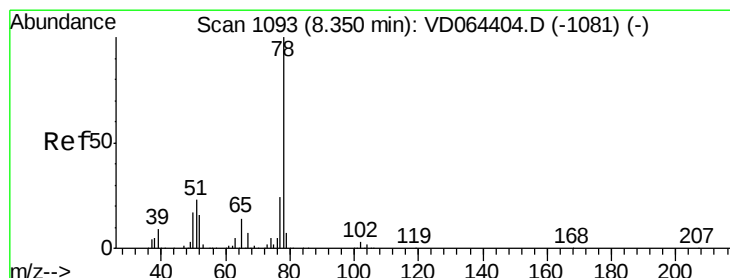
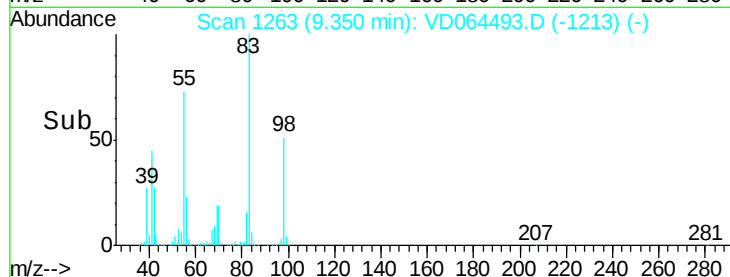
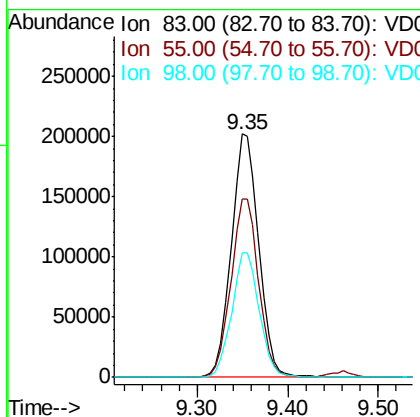
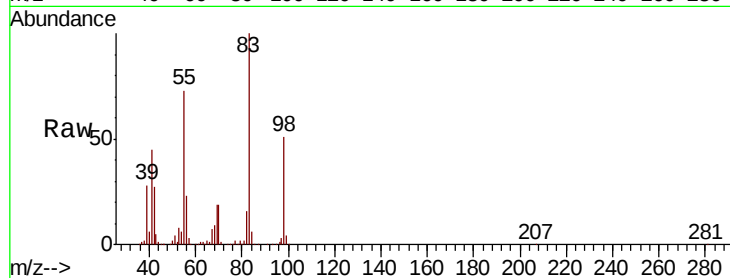
#39
Methvlcvclohexane
Concen: 54.389 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VD064493.D
Acq: 11 Dec 2019 11:04

Instrument :
MSVOA_D
ClientSampleId :
VSTD05006

Tot Ion	83	Resp	425038
Ion Ratio	Lower	Upper	
83	100		
55	73.5	58.6	87.8
98	51.2	40.9	61.3

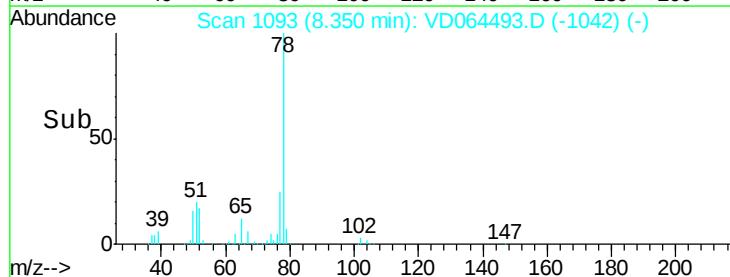
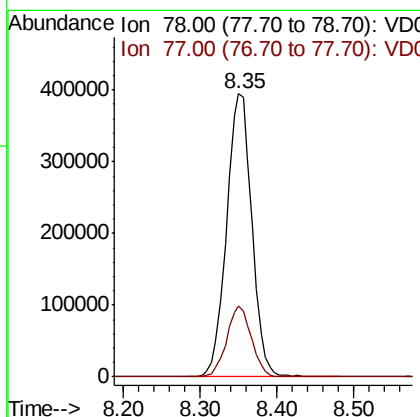
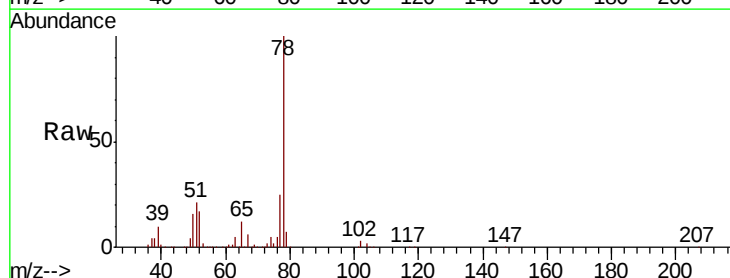
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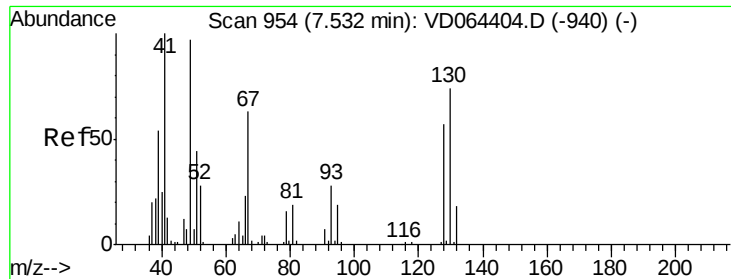
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#40
Benzene
Concen: 51.603 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD064493.D
Acq: 11 Dec 2019 11:04

Tgt Ion	78	Resp	902928
Ion Ratio	Lower	Upper	
78	100		
77	24.8	19.6	29.4





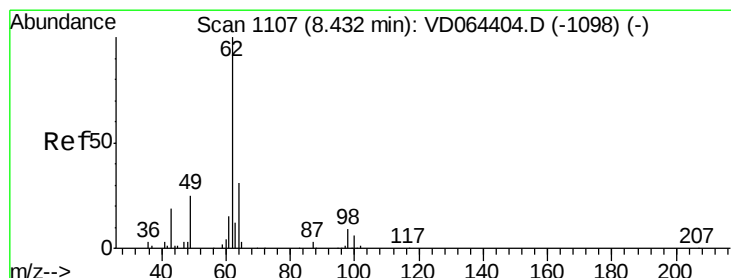
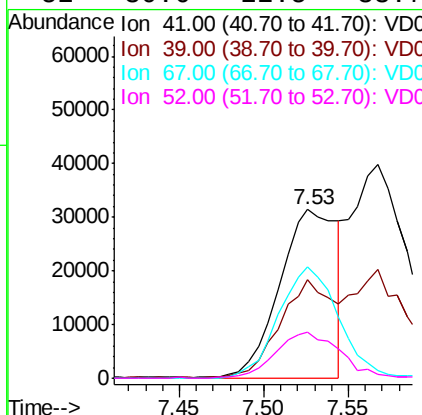
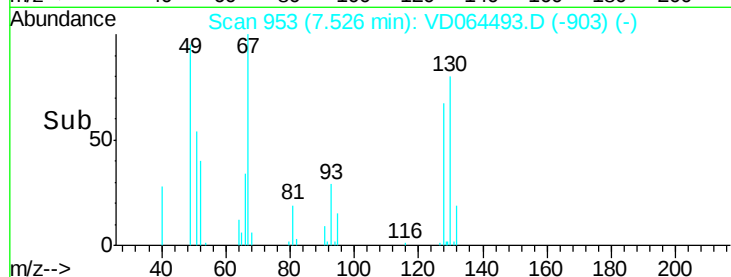
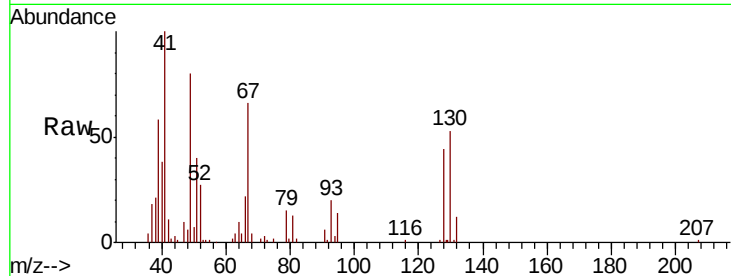
#41
Methacrylonitrile
Concen: 48.660 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.01 min
Lab File: VD064493.D
Acq: 11 Dec 2019 11:04

Instrument :
MSVOA_D
ClientSampleId :
VSTD05006

Tot Ion	Ratio	Lower	Upper
41	100		
39	54.4	44.6	67.0
67	69.2	50.9	76.3
52	30.6	22.5	33.7

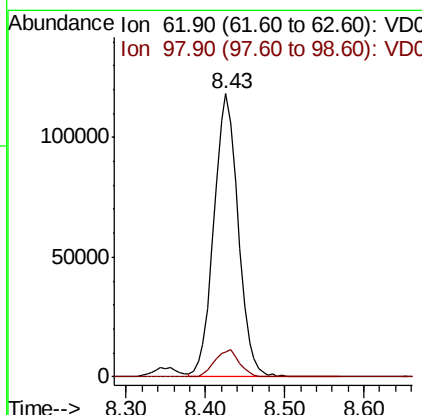
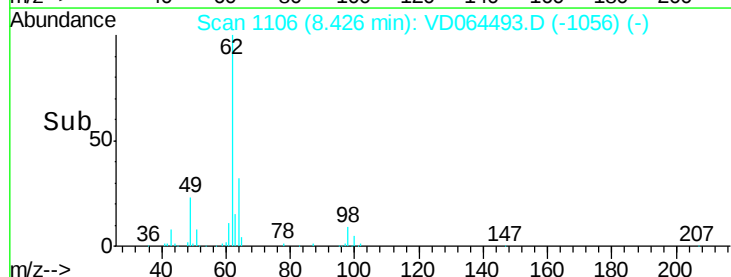
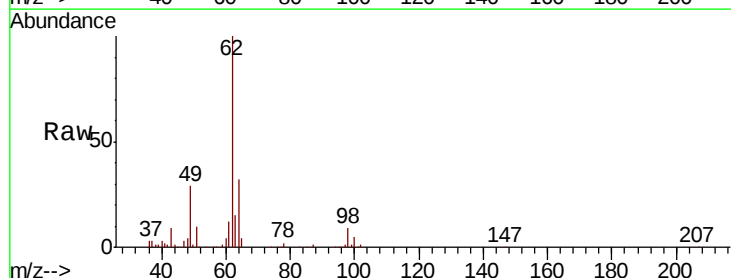
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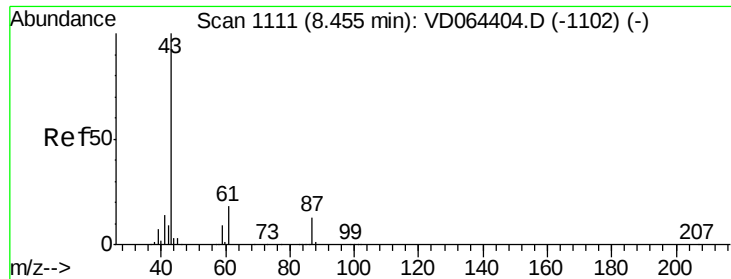
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#42
1,2-Dichloroethane
Concen: 49.459 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD064493.D
Acq: 11 Dec 2019 11:04

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	20.6





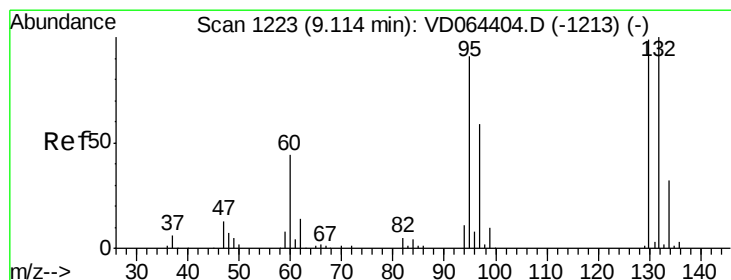
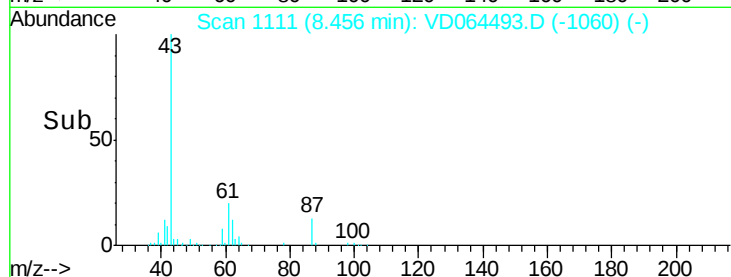
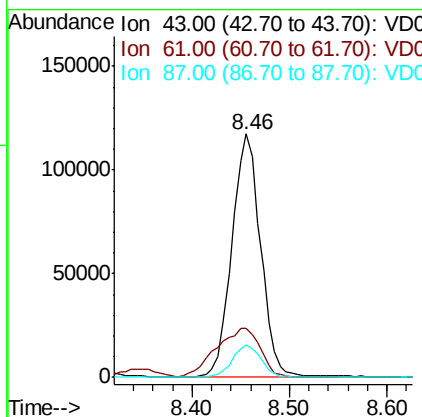
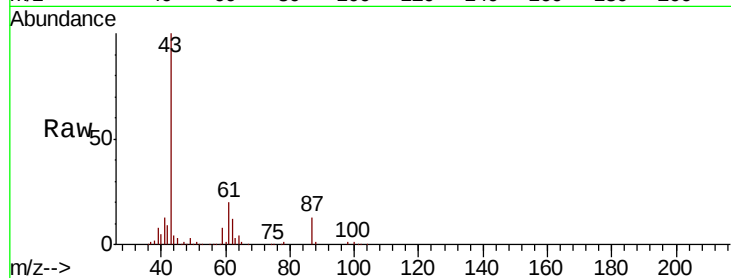
#43
Isopropyl Acetate
Concen: 45.539 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD064493.D
Acq: 11 Dec 2019 11:04

Instrument :
MSVOA_D
ClientSampleId :
VSTD05006

Tot Ion	Ratio	Lower	Upper
43	100		
61	31.2	24.0	36.0
87	13.3	10.6	15.8

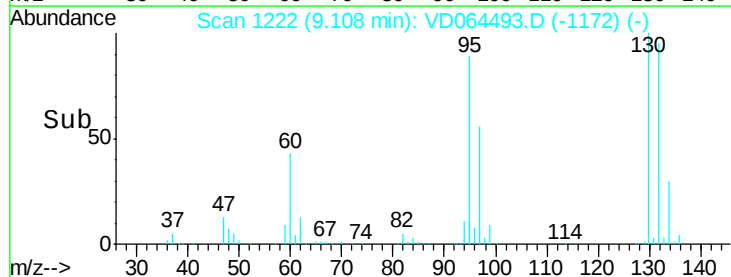
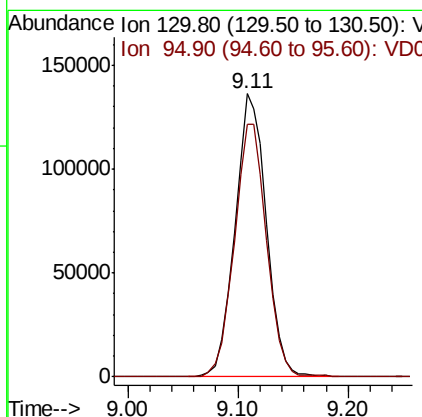
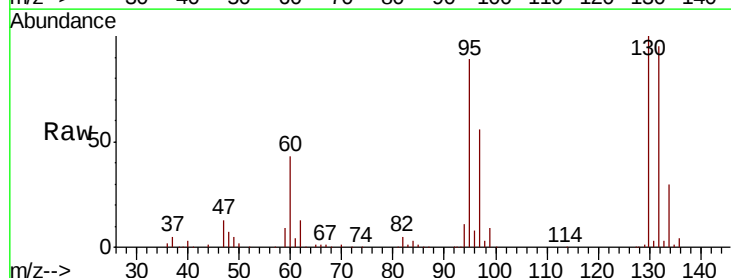
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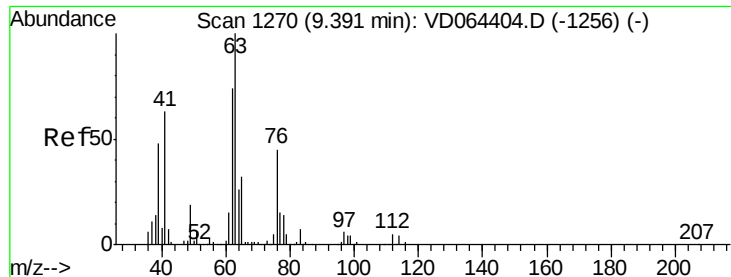
apatel
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#44
Trichloroethene
Concen: 51.279 ug/l
RT: 9.11 min Scan# 1222
Delta R.T. -0.01 min
Lab File: VD064493.D
Acq: 11 Dec 2019 11:04

Tgt Ion	Ratio	Lower	Upper
130	100		
95	89.2	0.0	184.6





#45

1,2-Dichloropropane

Concen: 51.363 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD064493.D

Acq: 11 Dec 2019 11:04

Instrument :

MSVOA_D

ClientSampleId :

VSTD05006

Tot Ion: 63 Resp: 214937

Ion Ratio Lower Upper

63 100

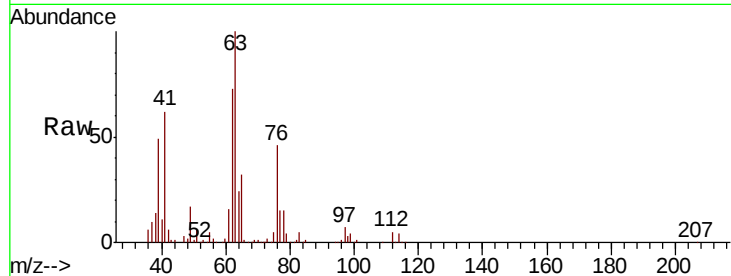
65 31.6 25.4 38.0

Manual Integrations

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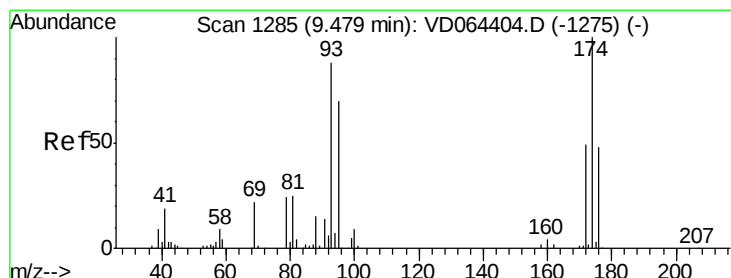
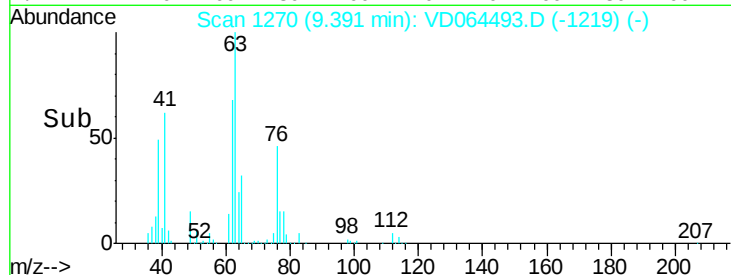
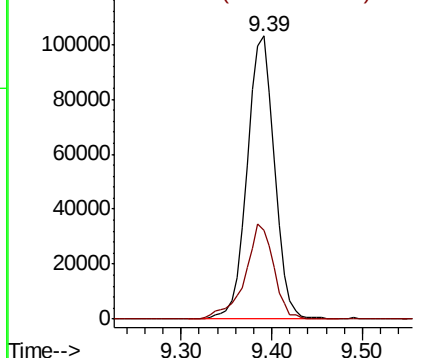
apatel

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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 48.791 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. -0.01 min

Lab File: VD064493.D

Acq: 11 Dec 2019 11:04

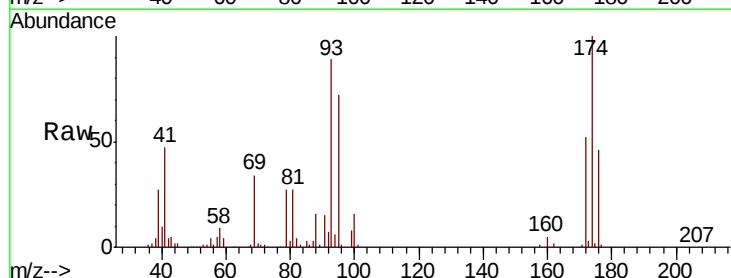
Tgt Ion: 93 Resp: 115235

Ion Ratio Lower Upper

93 100

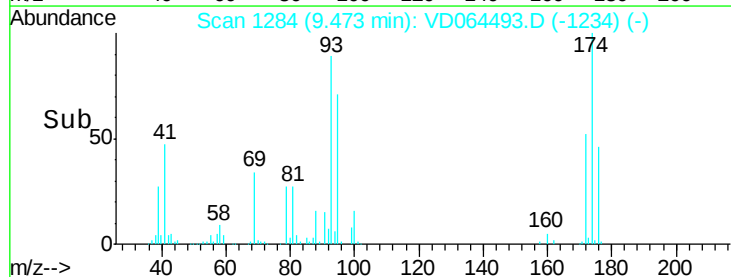
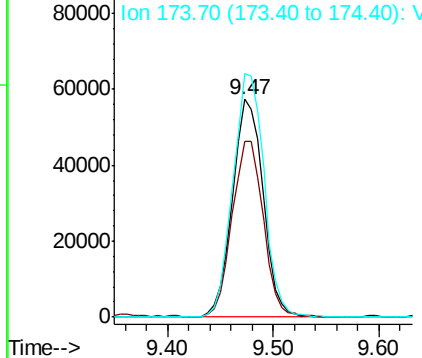
95 82.1 66.7 100.1

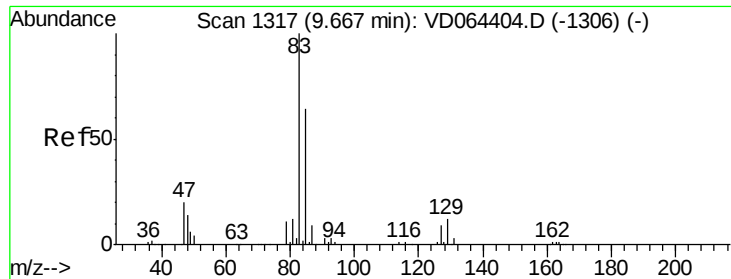
174 113.7 92.3 138.5



Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC





#47

Bromodichloromethane

Concen: 51.315 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD064493.D

Acq: 11 Dec 2019 11:04

Instrument :

MSVOA_D

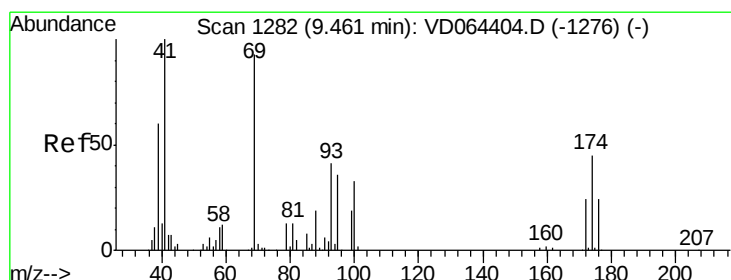
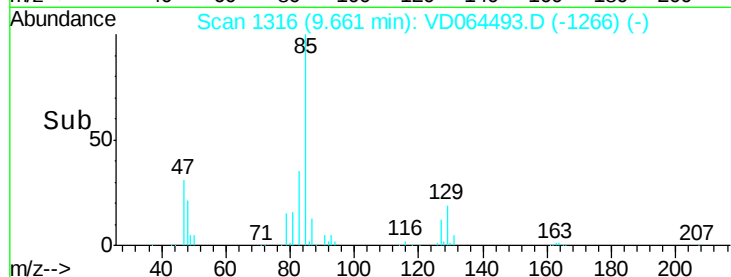
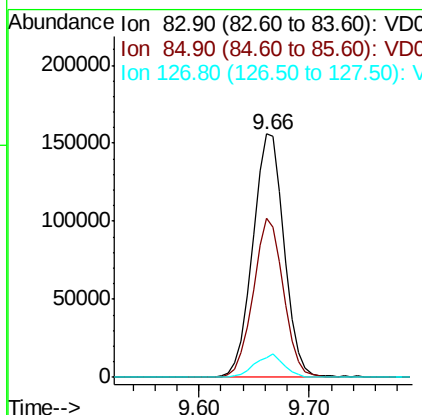
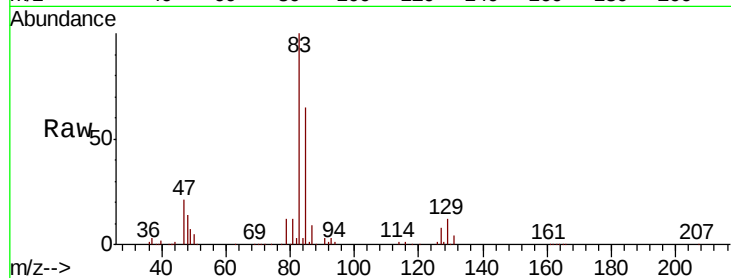
ClientSampleId :

VSTD05006

Tot Ion:	83	Resp:	311409
Ion	Ratio	Lower	Upper
83	100		
85	65.2	51.1	76.7
127	8.1	7.4	11.0

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#48

Methyl methacrylate

Concen: 46.027 ug/l

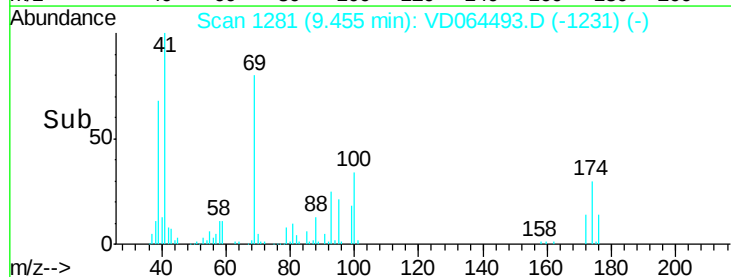
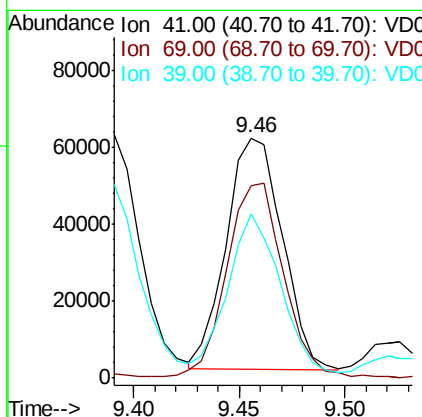
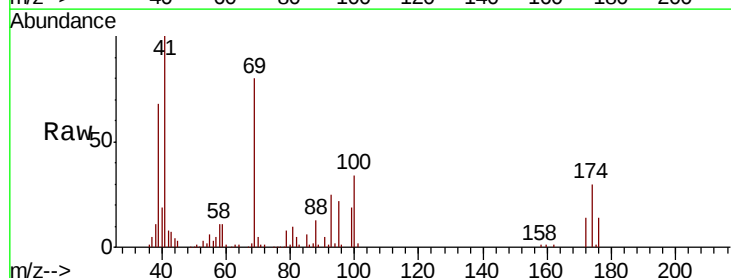
RT: 9.46 min Scan# 1281

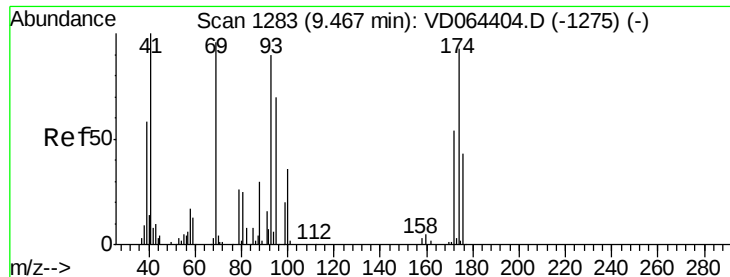
Delta R.T. -0.01 min

Lab File: VD064493.D

Acq: 11 Dec 2019 11:04

Tgt Ion:	41	Resp:	110700
Ion	Ratio	Lower	Upper
41	100		
69	85.2	72.0	108.0
39	64.0	55.2	82.8





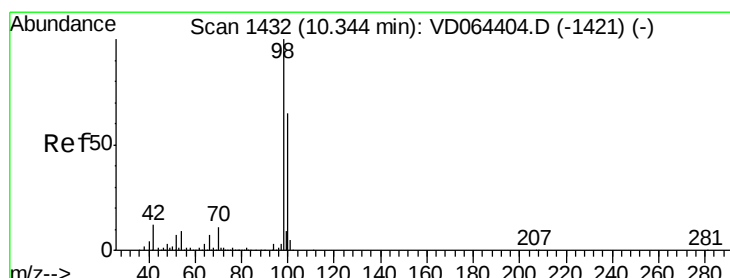
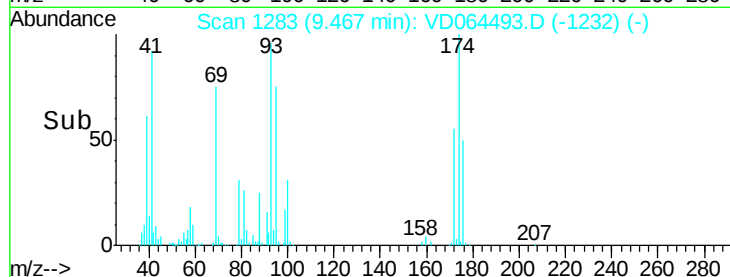
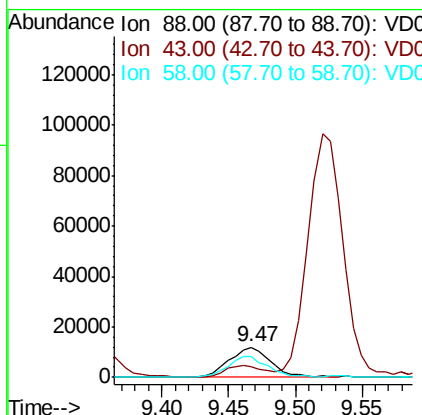
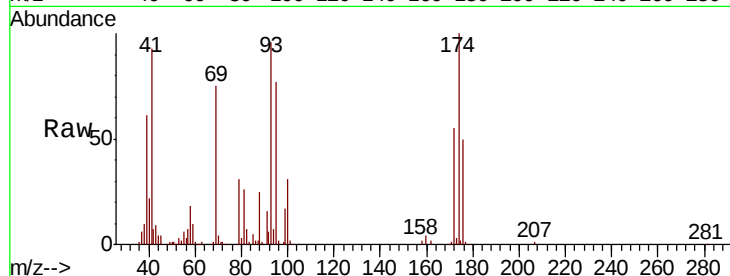
#49
1,4-Dioxane
Concen: 886.198 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD064493.D
Acq: 11 Dec 2019 11:04

Instrument :
MSVOA_D
ClientSampleId :
VSTD05006

Tot Ion	88	Resp	25846
Ion	Ratio	Lower	Upper
88	100		
43	38.4	26.7	40.1
58	67.1	52.3	78.5

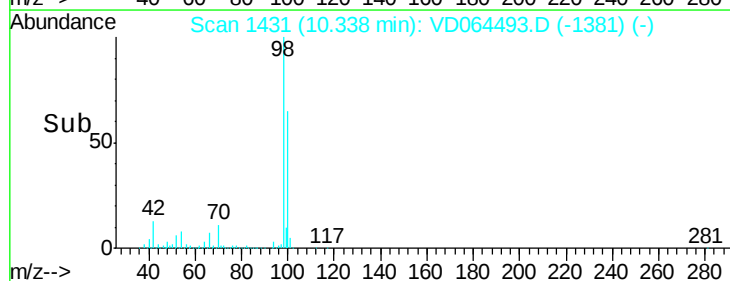
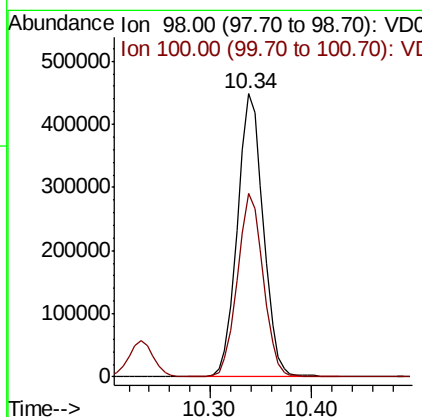
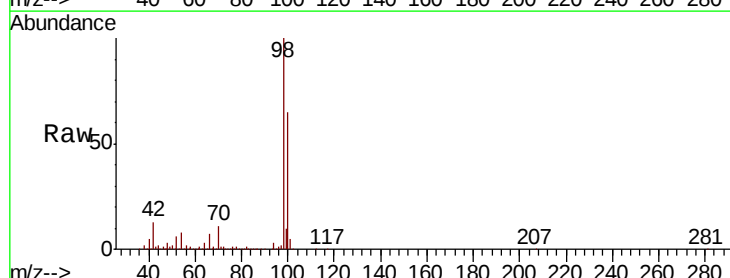
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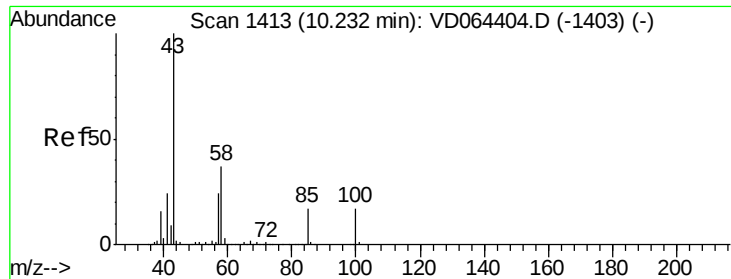
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#50
Toluene-d8
Concen: 50.327 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.01 min
Lab File: VD064493.D
Acq: 11 Dec 2019 11:04

Tgt Ion	98	Resp	795551
Ion	Ratio	Lower	Upper
98	100		
100	64.3	52.6	79.0





#51

4-Methyl-2-Pentanone

Concen: 229.227 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD064493.D

Acq: 11 Dec 2019 11:04

Instrument :

MSVOA_D

ClientSampleId :

VSTD05006

Tot Ion: 43 Resp: 596132

Ion Ratio Lower Upper

43 100

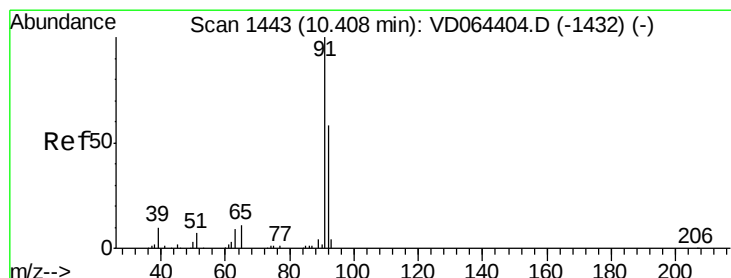
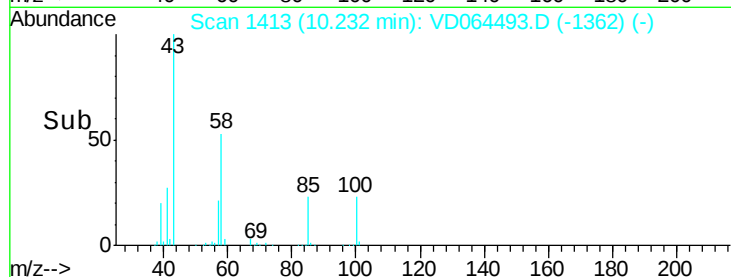
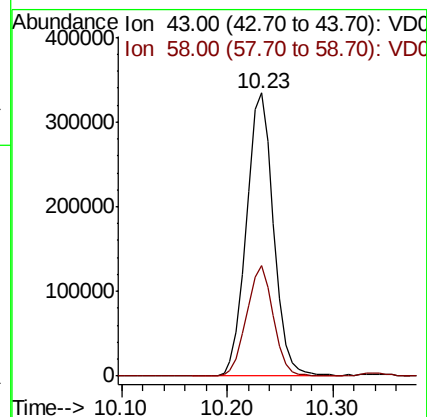
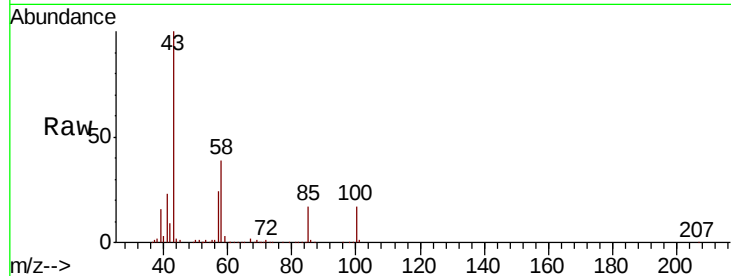
58 38.4 30.6 46.0

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#52

Toluene

Concen: 51.865 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.01 min

Lab File: VD064493.D

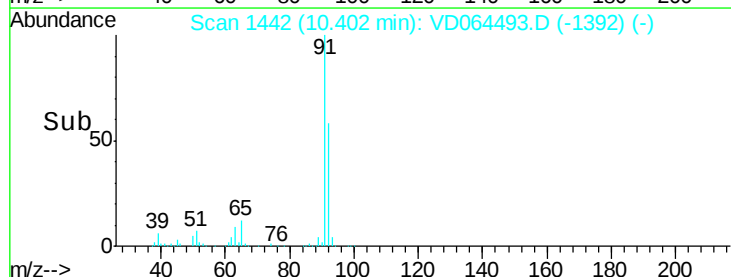
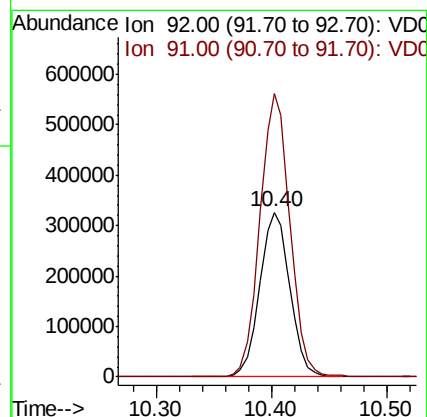
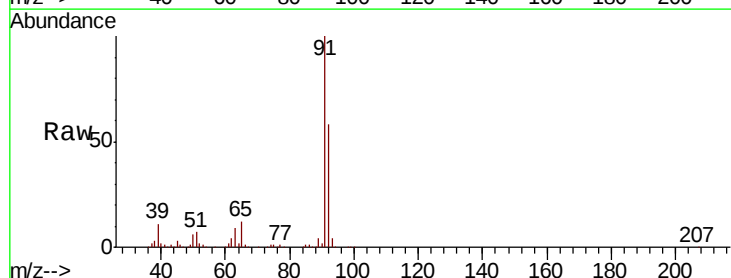
Acq: 11 Dec 2019 11:04

Tgt Ion: 92 Resp: 591426

Ion Ratio Lower Upper

92 100

91 172.0 137.8 206.6





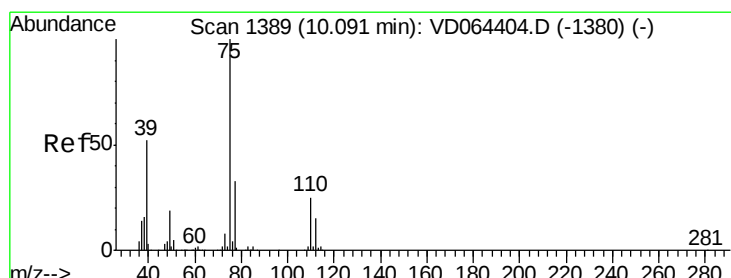
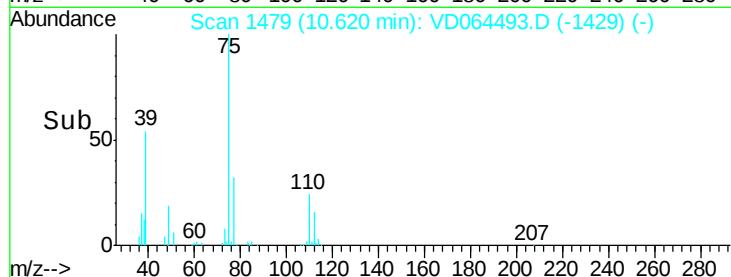
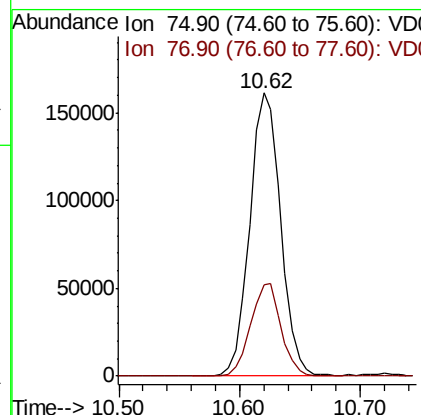
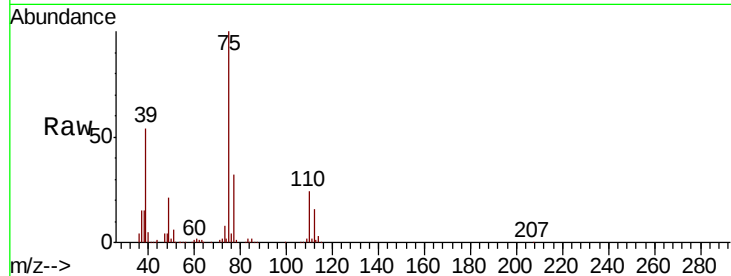
#53
 t-1,3-Dichloropropene
 Concen: 49.692 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. -0.01 min
 Lab File: VD064493.D
 Acq: 11 Dec 2019 11:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD05006

Tot Ion: 75 Resp: 287400
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.0 37.4

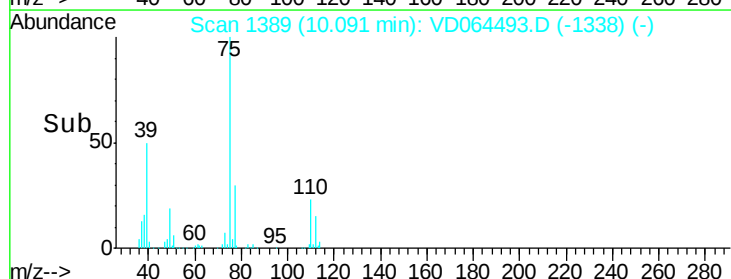
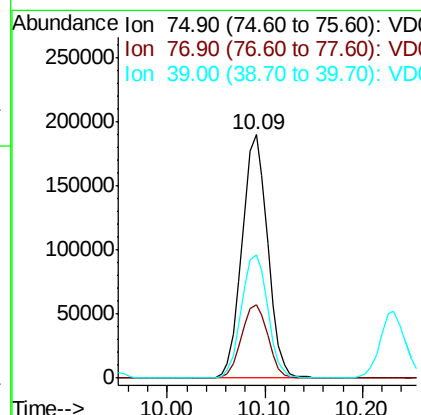
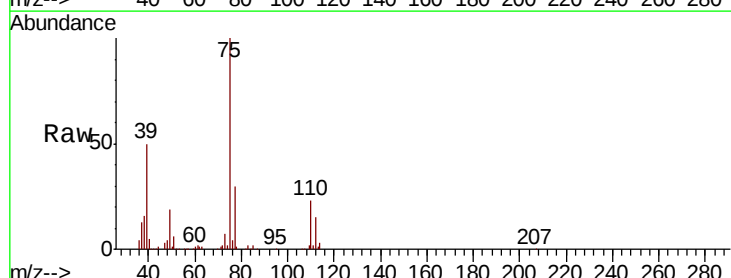
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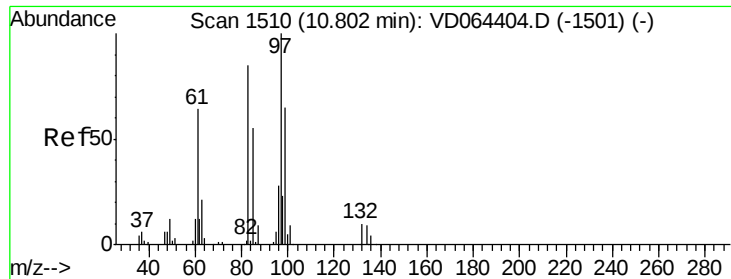
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#54
 cis-1,3-Dichloropropene
 Concen: 50.843 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. 0.00 min
 Lab File: VD064493.D
 Acq: 11 Dec 2019 11:04

Tgt Ion: 75 Resp: 349332
 Ion Ratio Lower Upper
 75 100
 77 30.4 26.1 39.1
 39 50.4 41.5 62.3





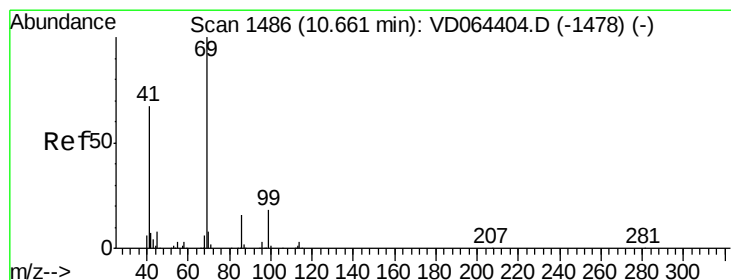
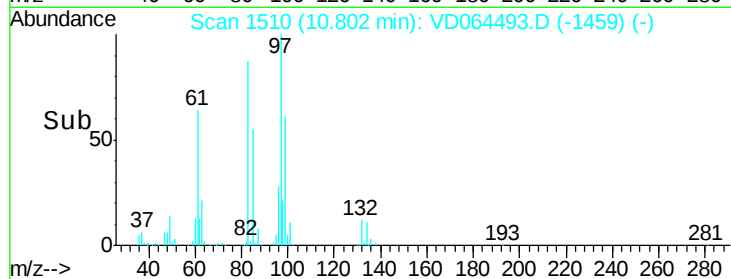
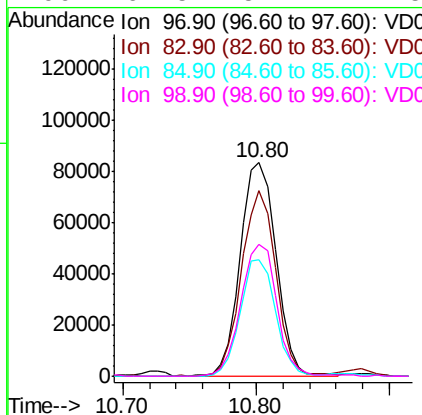
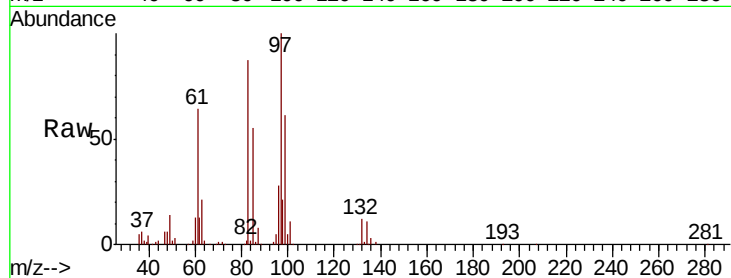
#55
 1,1,2-Trichloroethane
 Concen: 48.134 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064493.D
 Acq: 11 Dec 2019 11:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD05006

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		155664		
83	86.5	67.8	101.8		
85	54.5	43.7	65.5		
99	61.5	51.7	77.5		

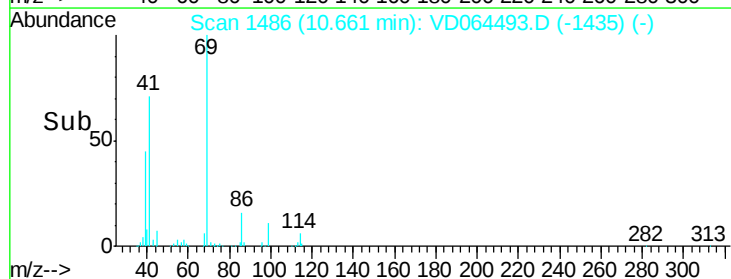
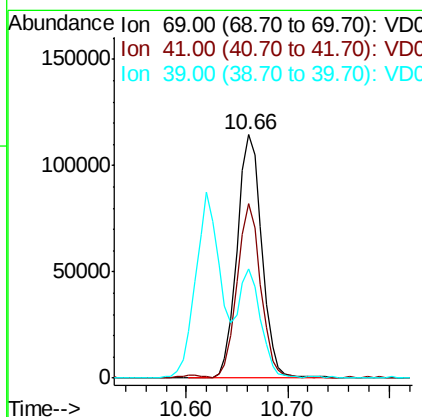
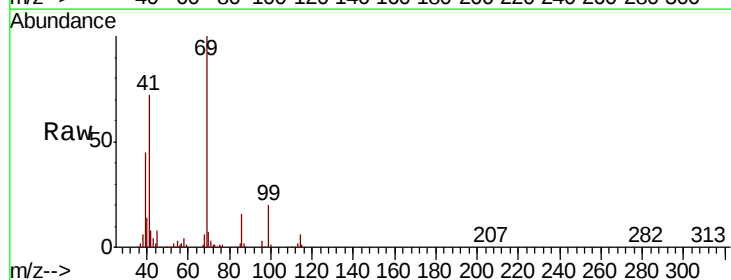
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#56
 Ethyl methacrylate
 Concen: 47.017 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD064493.D
 Acq: 11 Dec 2019 11:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		193934		
41	67.4	55.0	82.4		
39	40.0	33.0	49.6		





#57

1,3-Dichloropropane

Concen: 47.847 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD064493.D

Acq: 11 Dec 2019 11:04

Instrument :

MSVOA_D

ClientSampleId :

VSTD05006

Tot Ion: 76 Resp: 263405

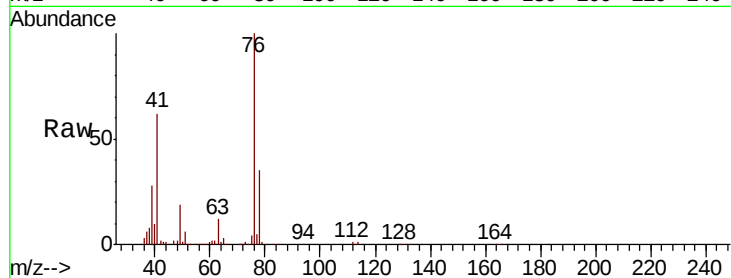
Ion Ratio Lower Upper

76 100

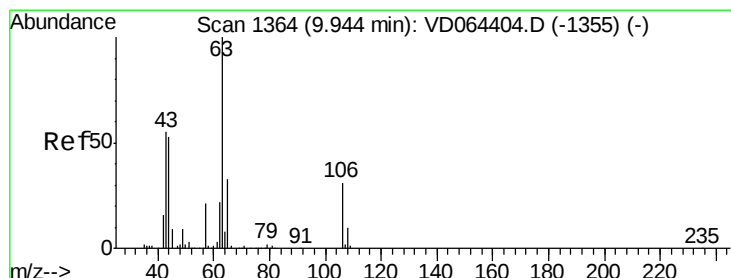
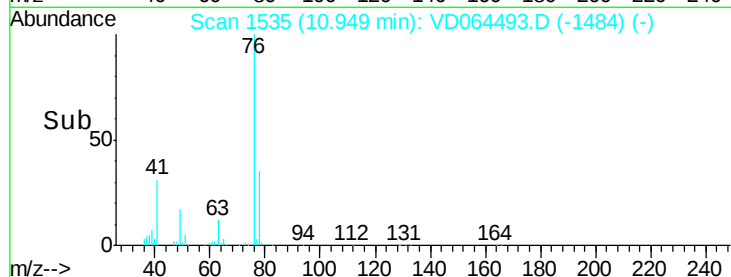
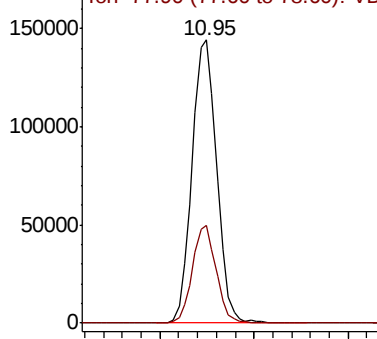
78 33.3 26.0 39.0

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Abundance Ion 75.90 (75.60 to 76.60): VDC
Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 218.757 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD064493.D

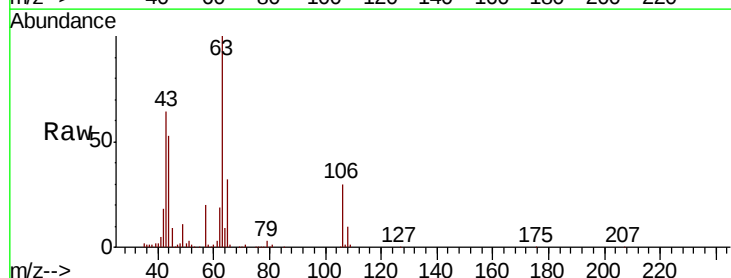
Acq: 11 Dec 2019 11:04

Tgt Ion: 63 Resp: 359701

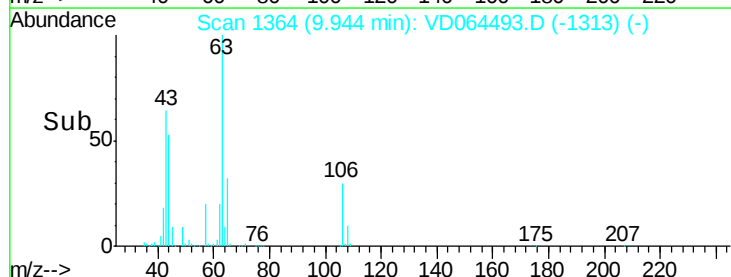
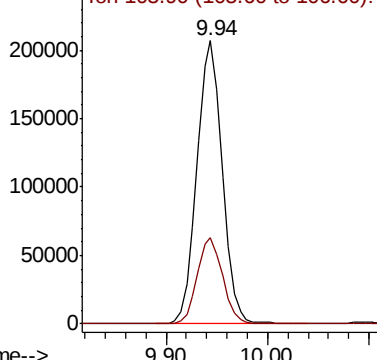
Ion Ratio Lower Upper

63 100

106 30.5 24.2 36.4



Abundance Ion 62.90 (62.60 to 63.60): VDC
Ion 105.90 (105.60 to 106.60): V





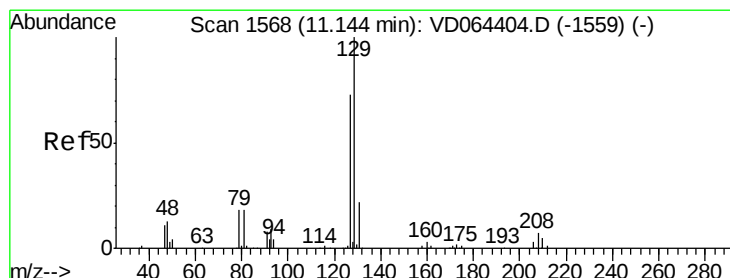
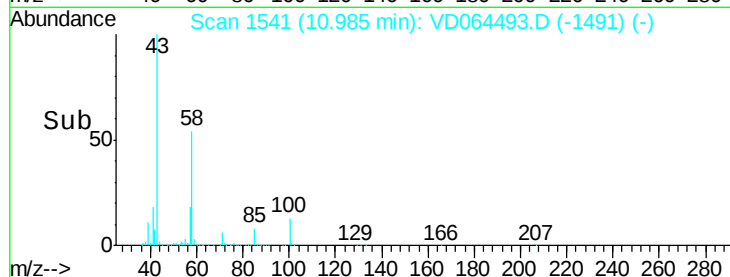
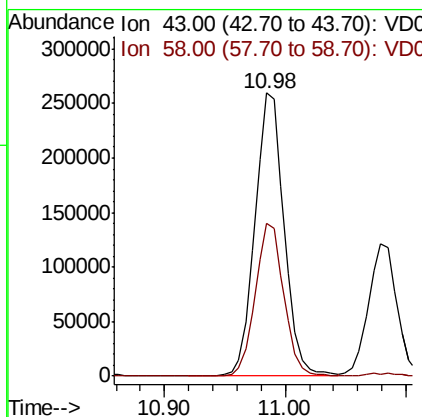
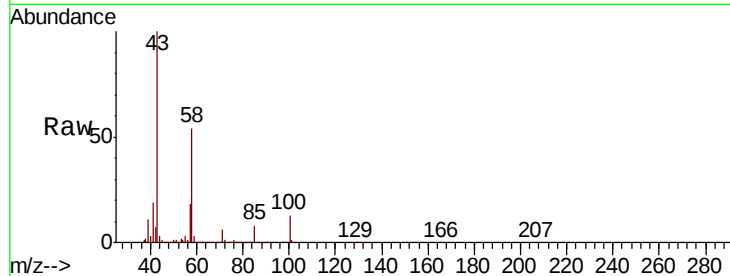
#59
2-Hexanone
Concen: 242.749 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD064493.D
Acq: 11 Dec 2019 11:04

Instrument :
MSVOA_D
ClientSampleId :
VSTD05006

Tot Ion	Ratio	Lower	Upper
43	100		
58	52.9	26.3	78.8

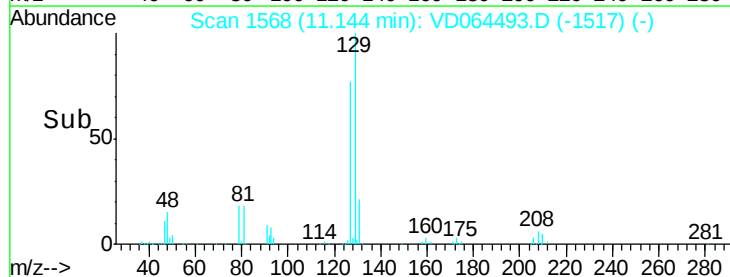
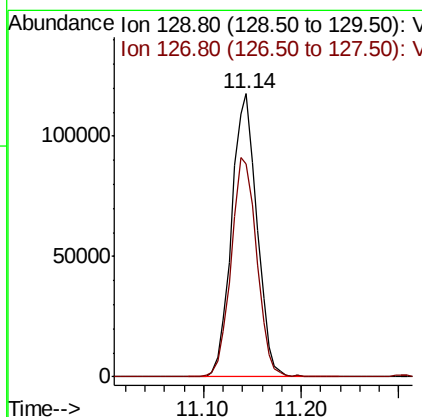
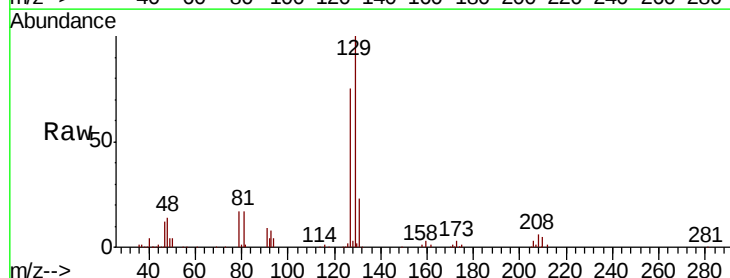
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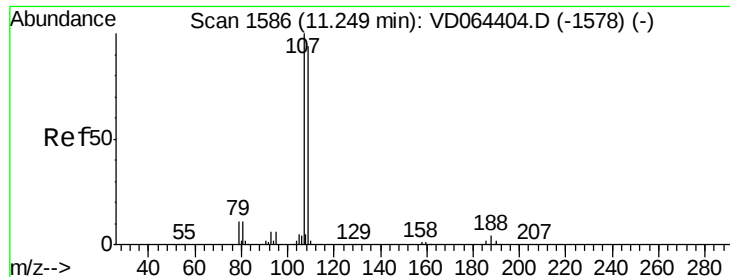
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#60
Dibromochloromethane
Concen: 48.434 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064493.D
Acq: 11 Dec 2019 11:04

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.2	38.1	114.3





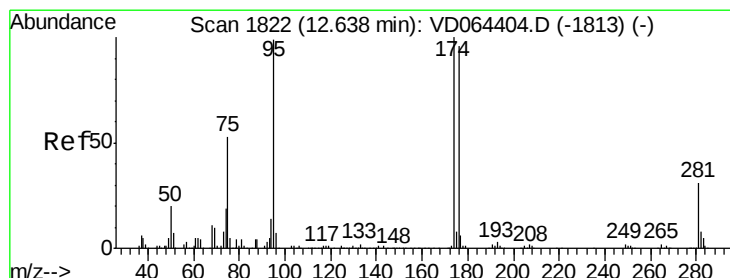
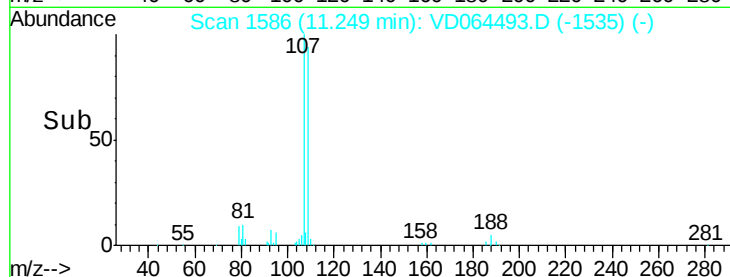
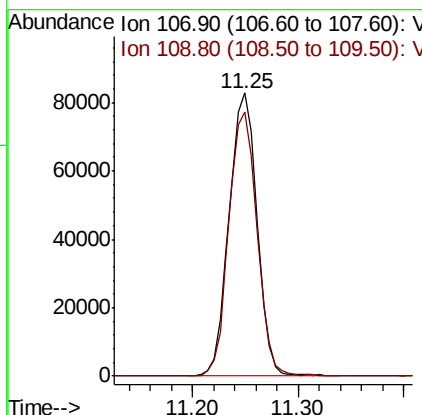
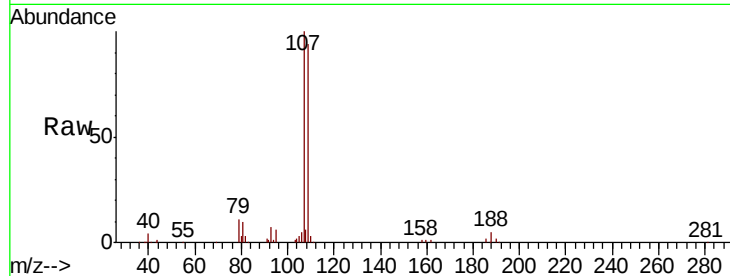
#61
 1,2-Dibromoethane
 Concen: 46.812 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064493.D
 Acq: 11 Dec 2019 11:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD05006

Tot Ion	Ratio	Resp	Lower	Upper
107	100	151157		
109	93.9	76.2	114.2	

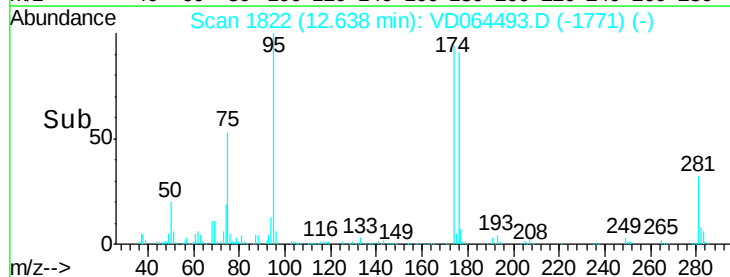
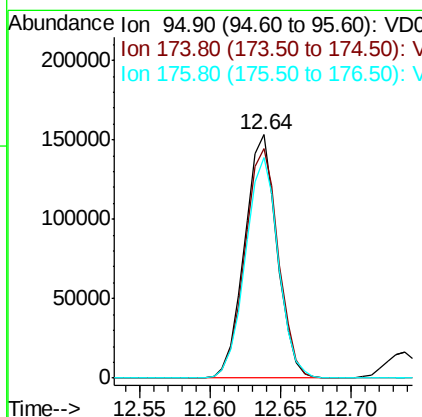
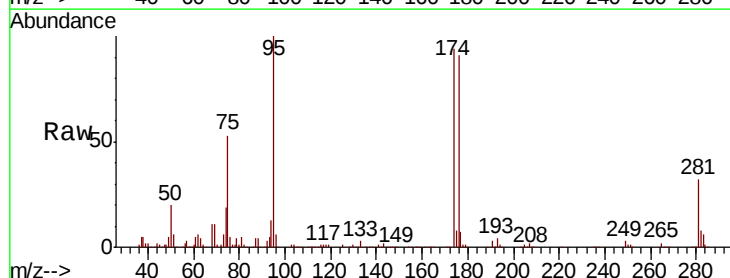
Manual Integrations
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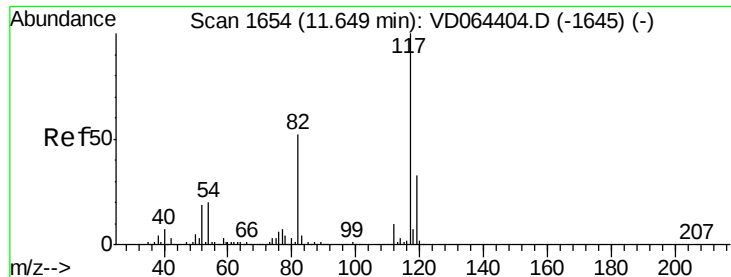
apatel
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#62
 4-Bromofluorobenzene
 Concen: 48.625 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064493.D
 Acq: 11 Dec 2019 11:04

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	247020		
174	97.6	0.0	197.2	
176	92.3	0.0	189.6	





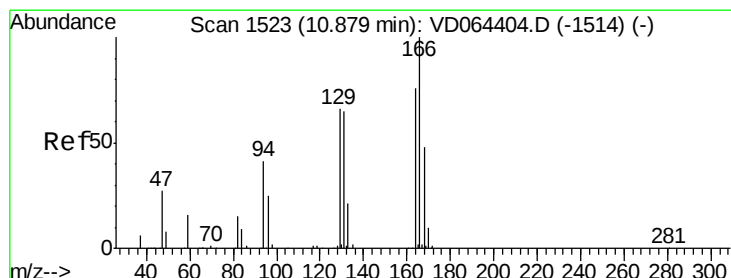
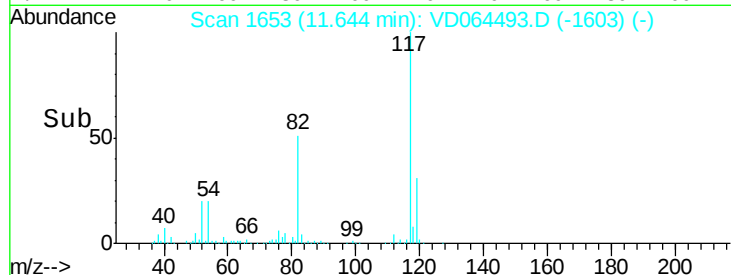
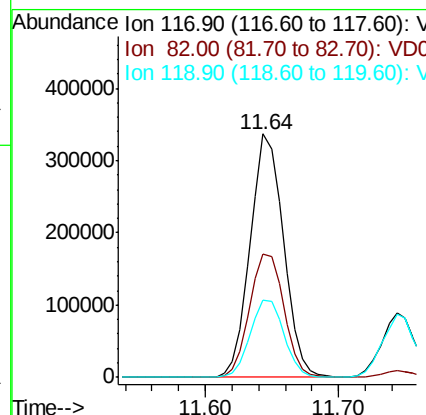
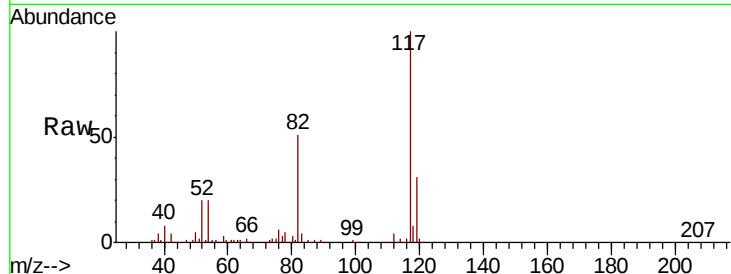
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.01 min
Lab File: VD064493.D
Acq: 11 Dec 2019 11:04

Instrument :
MSVOA_D
ClientSampleId :
VSTD05006

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.9	41.4	62.2
119	31.5	26.2	39.2

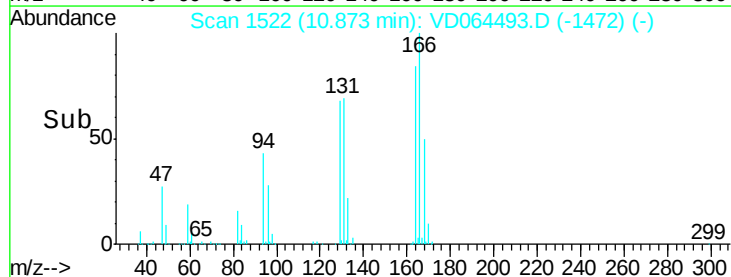
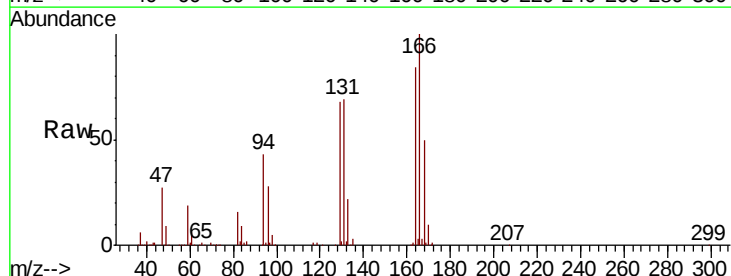
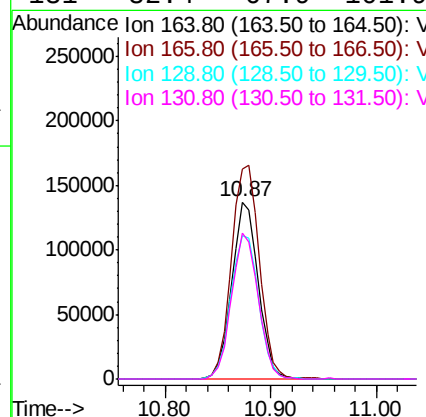
Manual Integrations
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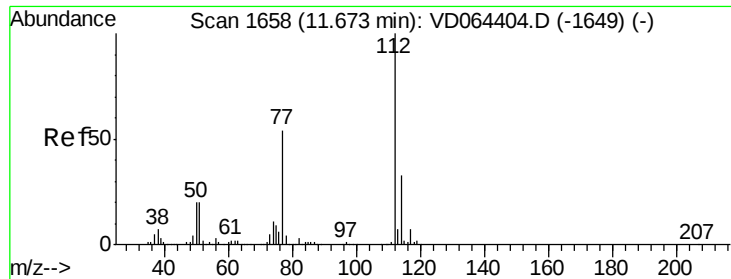
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#64
Tetrachloroethene
Concen: 53.402 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.01 min
Lab File: VD064493.D
Acq: 11 Dec 2019 11:04

Tgt Ion	Ratio	Lower	Upper
164	100		
166	119.1	104.8	157.2
129	81.0	68.7	103.1
131	82.4	67.9	101.9





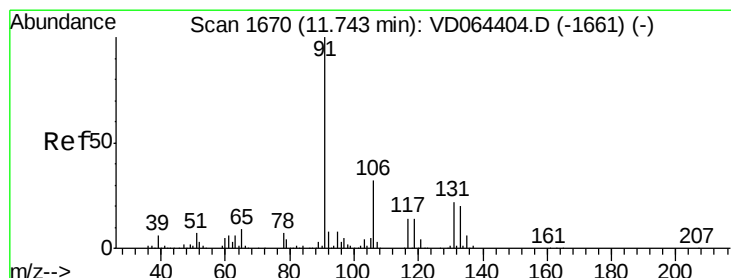
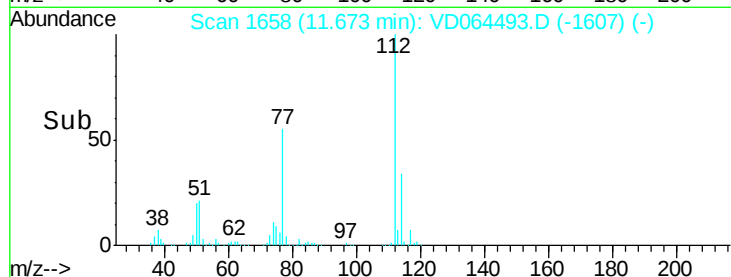
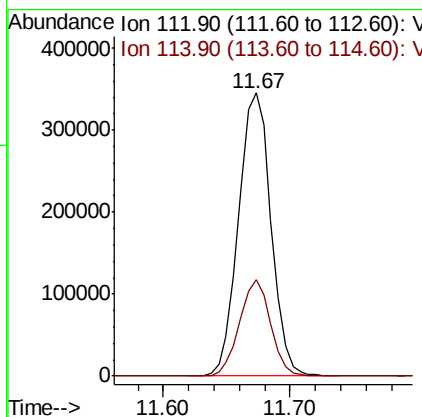
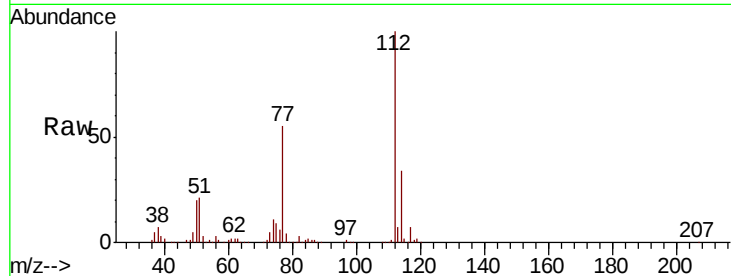
#65
Chlorobenzene
Concen: 50.578 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064493.D
Acq: 11 Dec 2019 11:04

Instrument :
MSVOA_D
ClientSampleId :
VSTD05006

Tot Ion	Ratio	Lower	Upper
112	100		
114	34.0	26.5	39.7

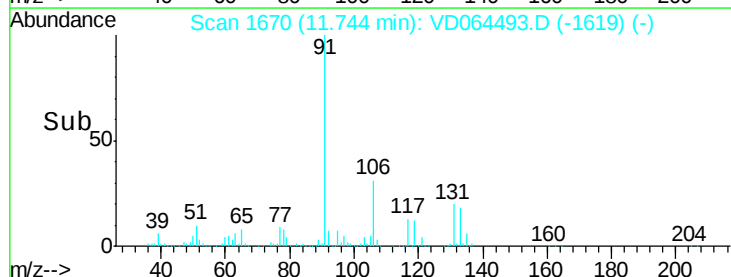
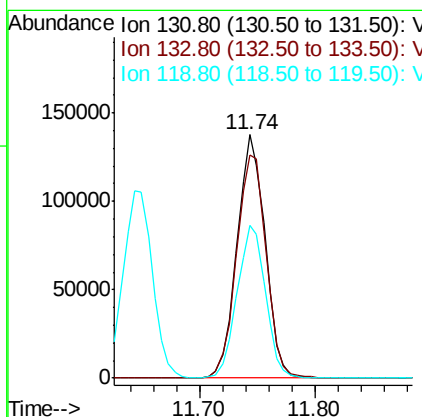
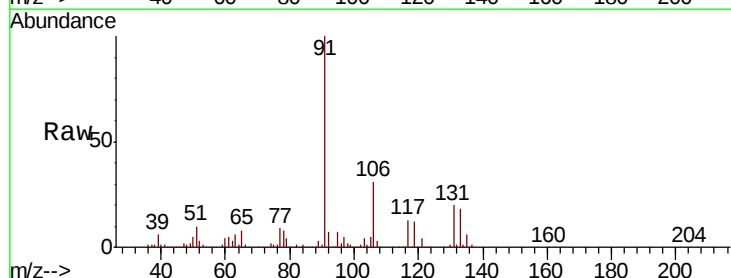
Manual Integrations
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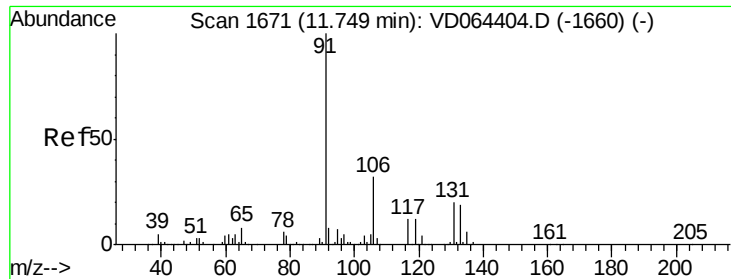
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.690 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD064493.D
Acq: 11 Dec 2019 11:04

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.7	48.3	144.9
119	63.4	31.9	95.9





#67

Ethyl Benzene

Concen: 52.886 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.01 min

Lab File: VD064493.D

Acq: 11 Dec 2019 11:04

Instrument :

MSVOA_D

ClientSampleId :

VSTD05006

Tot Ion: 91 Resp: 1141336

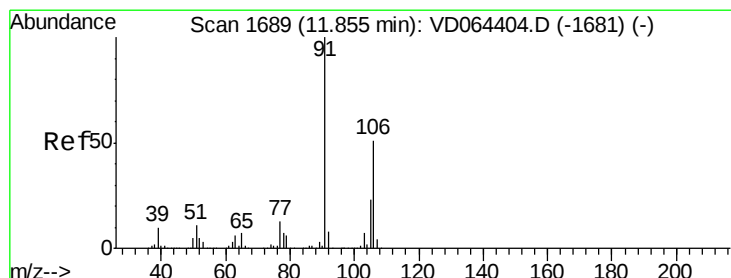
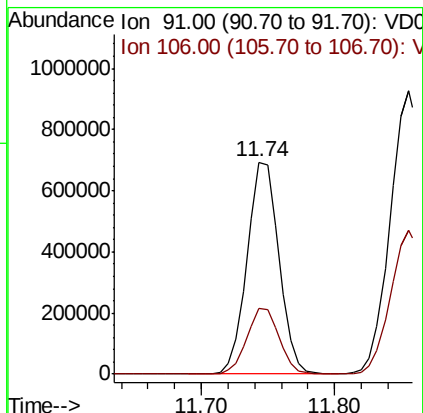
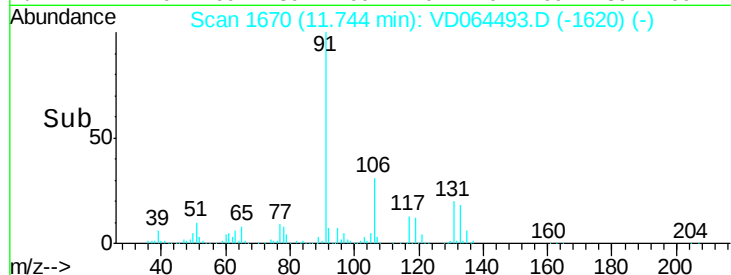
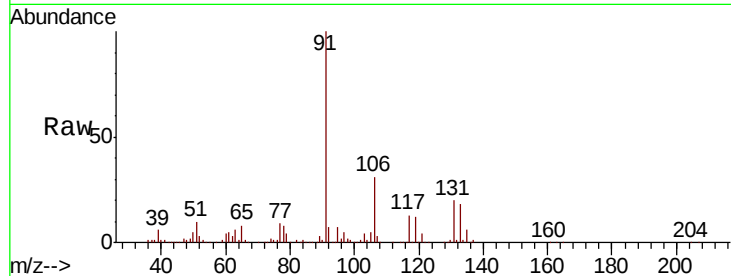
Ion Ratio Lower Upper

91 100

106 31.2 25.8 38.8

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#68

m/p-Xylenes

Concen: 107.085 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064493.D

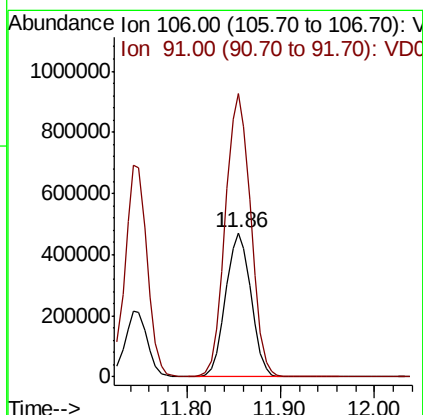
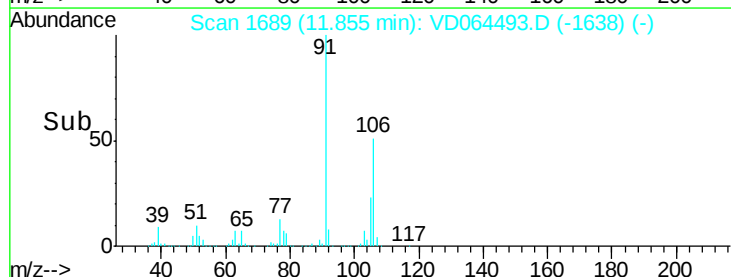
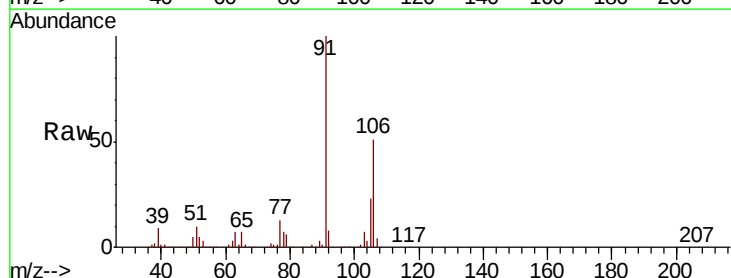
Acq: 11 Dec 2019 11:04

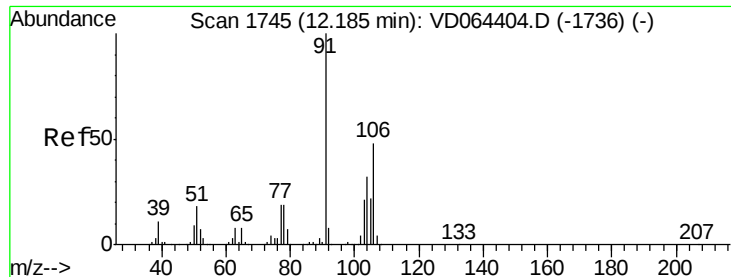
Tgt Ion: 106 Resp: 881165

Ion Ratio Lower Upper

106 100

91 197.0 157.4 236.2





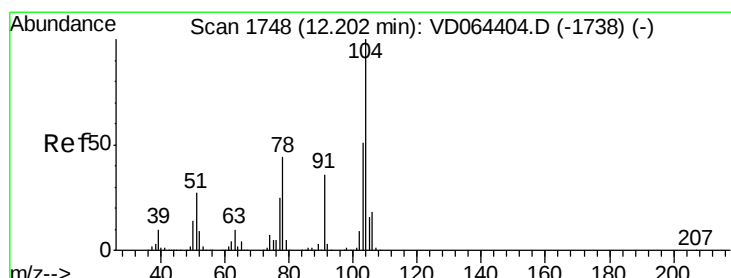
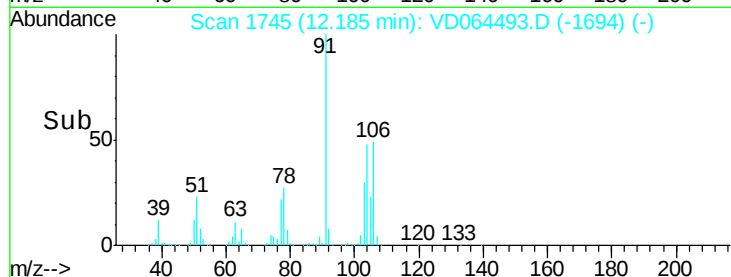
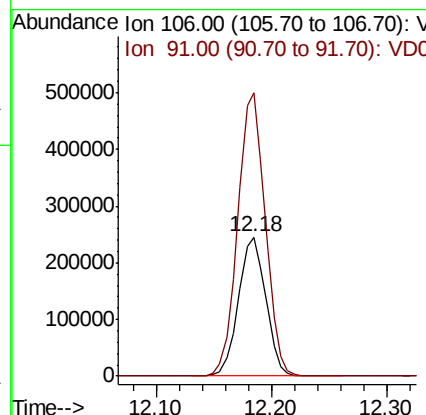
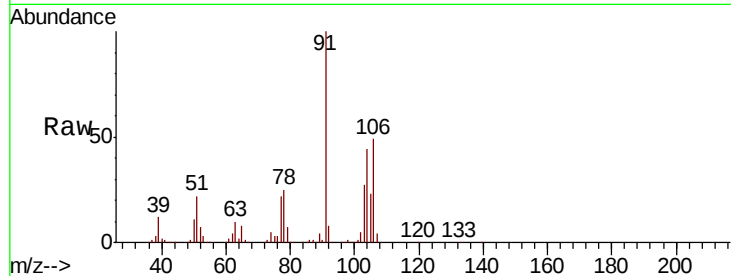
#69
o-Xylene
Concen: 52.702 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064493.D
Acq: 11 Dec 2019 11:04

Instrument :
MSVOA_D
ClientSampleId :
VSTD05006

Tot Ion	Ratio	Lower	Upper
106	100		
91	205.7	103.8	311.4

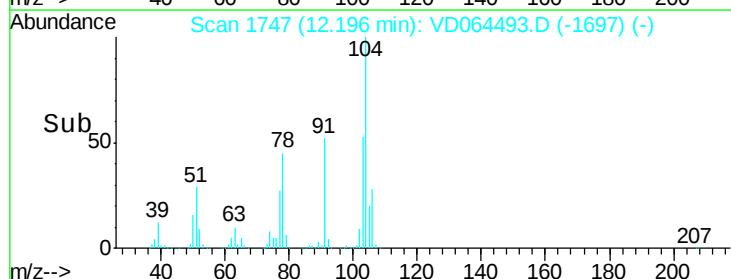
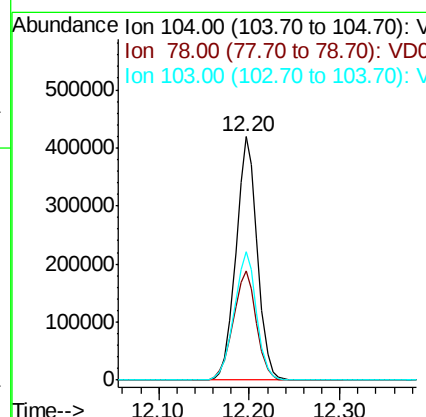
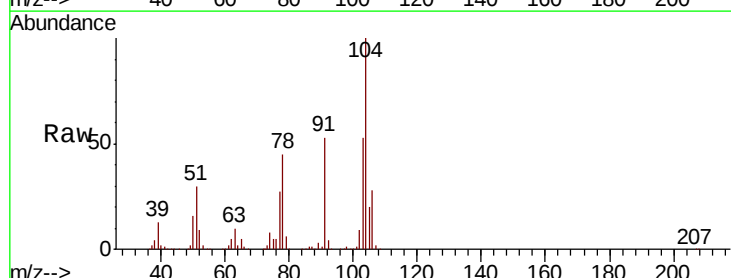
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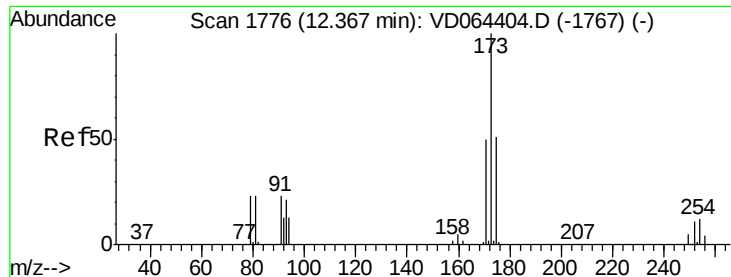
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#70
Styrene
Concen: 51.746 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD064493.D
Acq: 11 Dec 2019 11:04

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.8	38.8	58.2
103	55.4	44.2	66.4





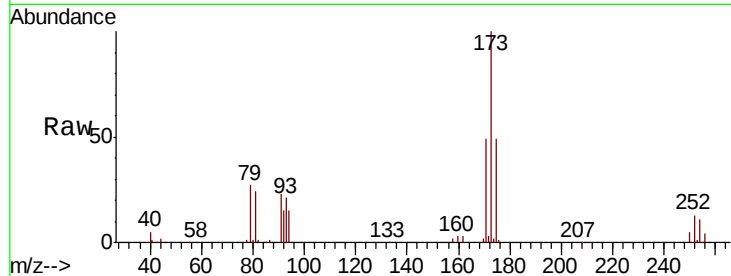
#71
Bromoform
Concen: 47.809 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. -0.01 min
Lab File: VD064493.D
Acq: 11 Dec 2019 11:04

Instrument :
MSVOA_D
ClientSampleId :
VSTD05006

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	25.3	75.8
254	0.1	0.0	0.0#

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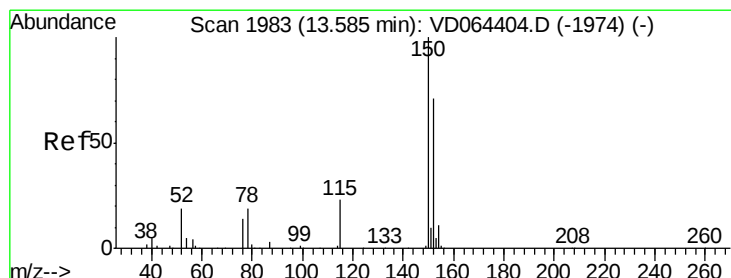
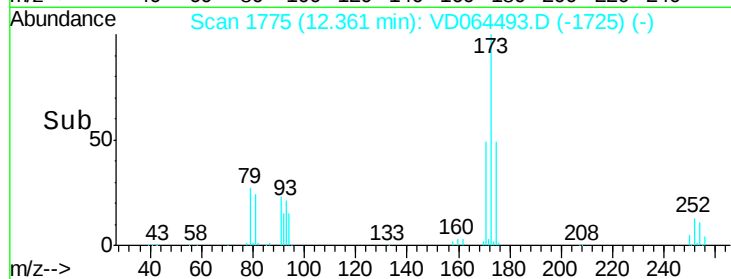
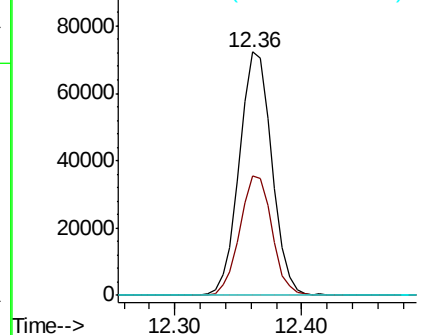


Abundance

Ion 172.70 (172.40 to 173.40): V

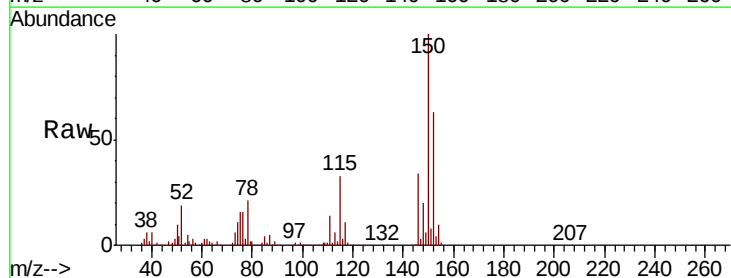
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064493.D
Acq: 11 Dec 2019 11:04

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.6	26.7	80.1
150	175.2	0.0	347.2

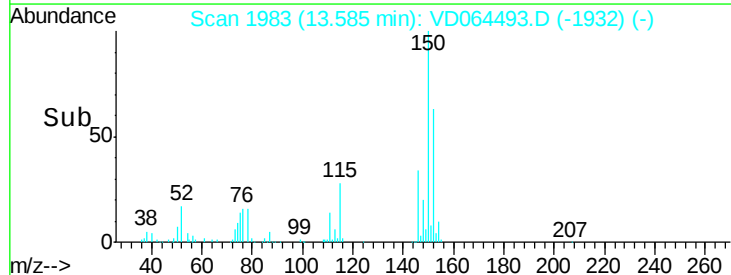
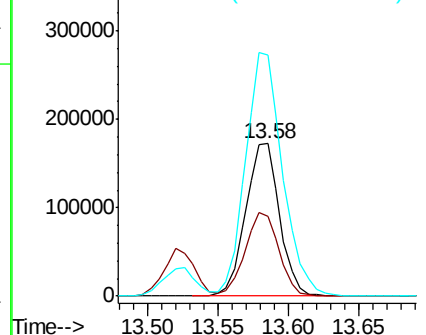


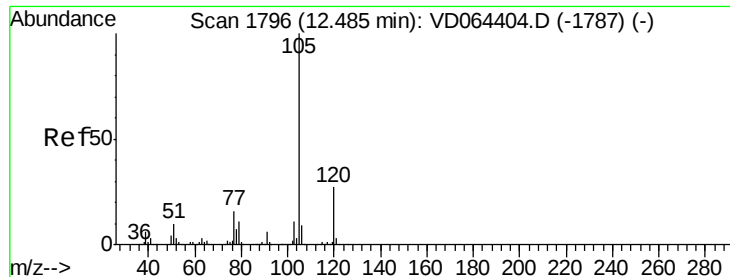
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 53.291 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064493.D

Acq: 11 Dec 2019 11:04

Instrument :

MSVOA_D

ClientSampleId :

VSTD05006

Tot Ion:105 Resp: 1106877

Ion Ratio Lower Upper

105 100

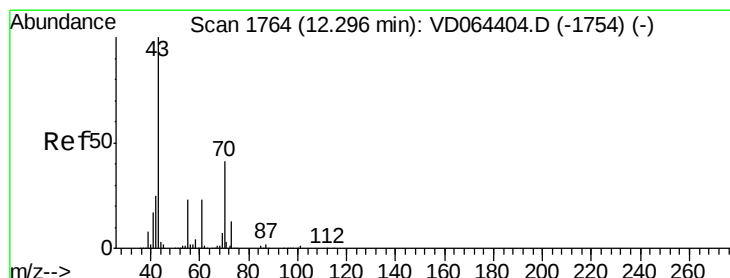
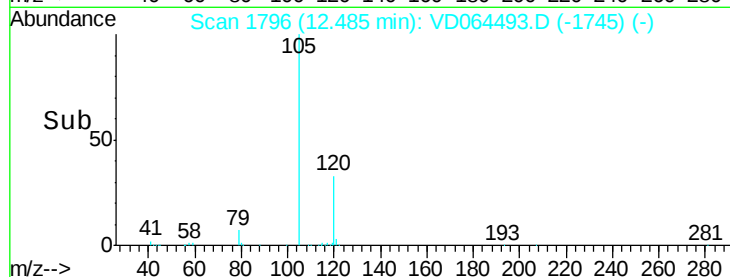
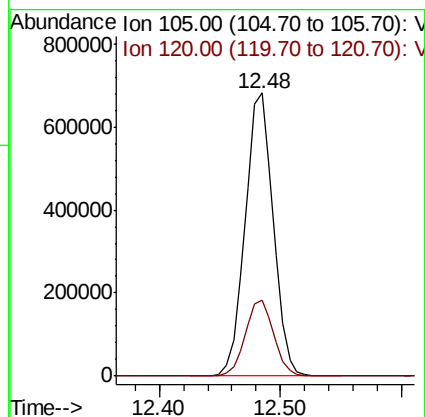
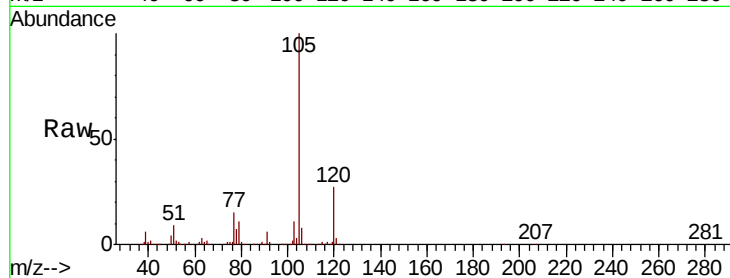
120 27.0 13.4 40.2

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#74

N-ethyl acetate

Concen: 46.833 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD064493.D

Acq: 11 Dec 2019 11:04

Tgt Ion: 43 Resp: 220779

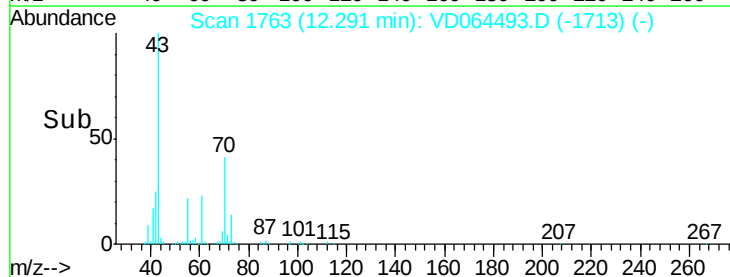
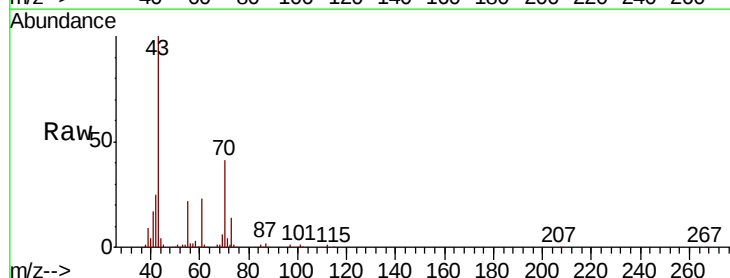
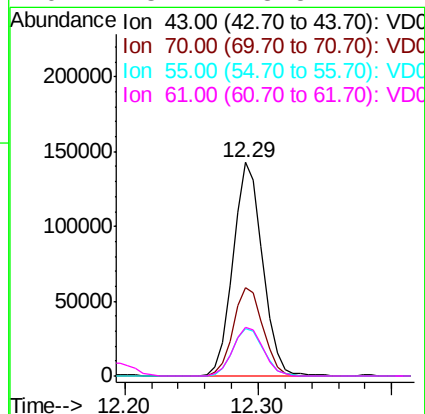
Ion Ratio Lower Upper

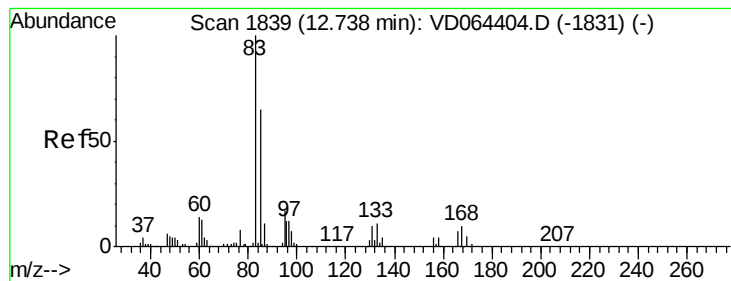
43 100

70 41.7 33.4 50.2

55 23.1 18.9 28.3

61 23.2 18.5 27.7





#75

1,1,2,2-Tetrachloroethane

Concen: 45.555 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064493.D

Acq: 11 Dec 2019 11:04

Instrument :

MSVOA_D

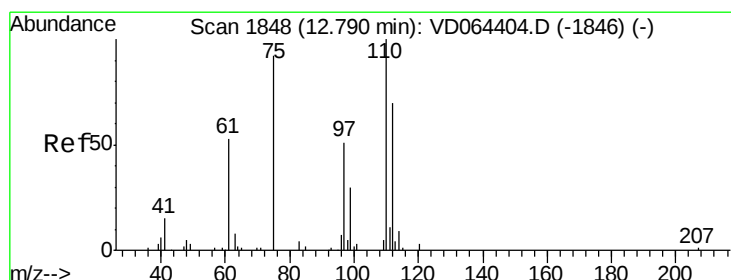
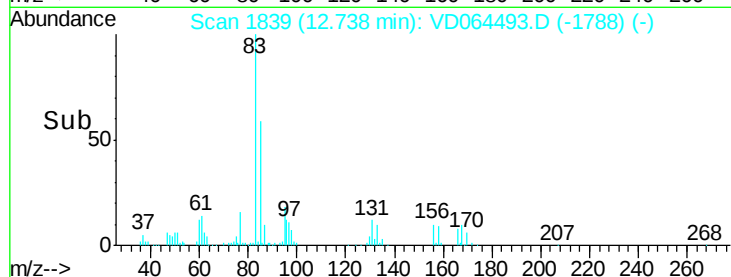
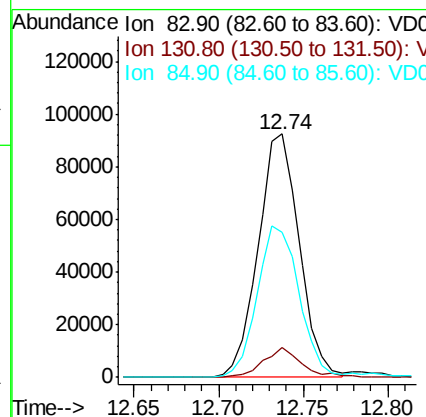
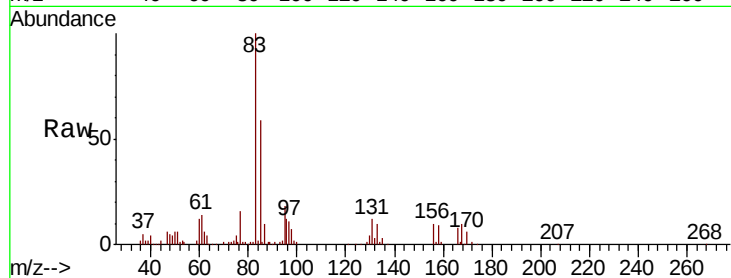
ClientSampleId :

VSTD05006

Tot Ion	83	Resp	156473
Ion Ratio	Lower	Upper	
83	100		
131	11.3	5.7	17.0
85	63.6	31.3	93.9

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#76

1,2,3-Trichloropropane

Concen: 49.827 ug/l m

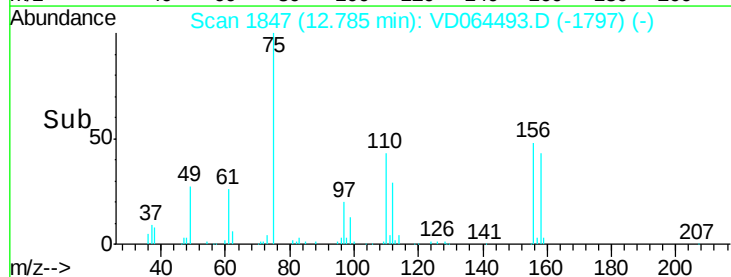
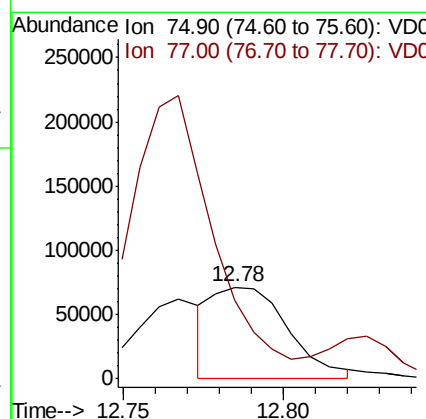
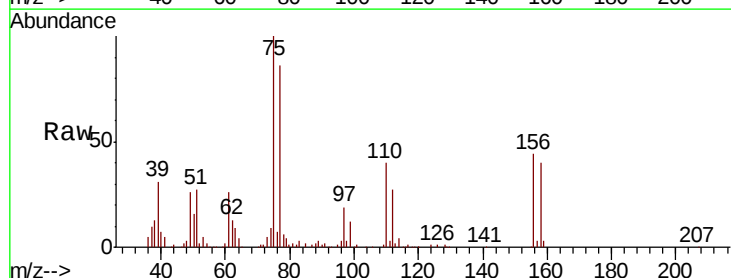
RT: 12.78 min Scan# 1847

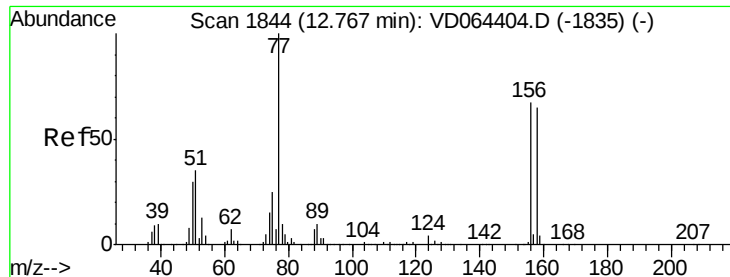
Delta R.T. -0.01 min

Lab File: VD064493.D

Acq: 11 Dec 2019 11:04

Tgt Ion	75	Resp	118338
Ion Ratio	Lower	Upper	
75	100		
77	343.7	0.0	0.0#





#77

Bromobenzene

Concen: 50.692 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD064493.D

Acq: 11 Dec 2019 11:04

Instrument :

MSVOA_D

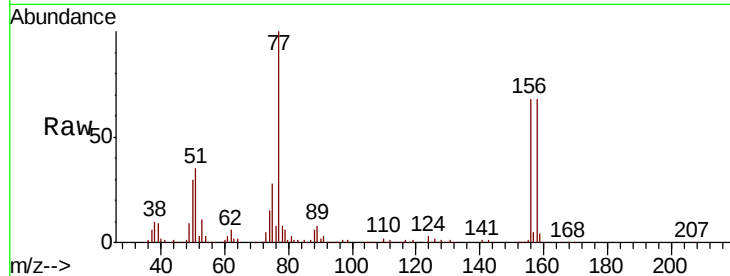
ClientSampleId :

VSTD05006

Tot Ion:	156	Resp:	260008
Ion Ratio	Lower	Upper	
156	100		
77	156.4	80.0	240.2
158	96.9	48.9	146.6

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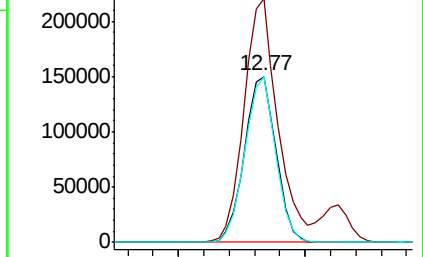
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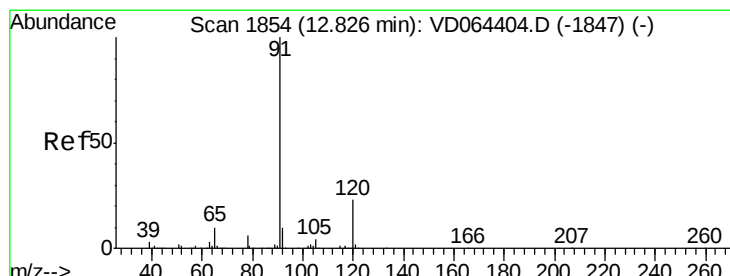
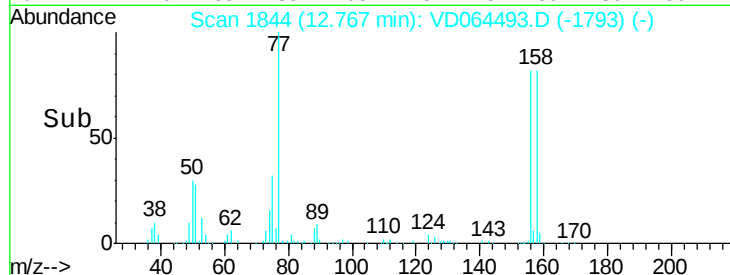
Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



Time-->



#78

n-propylbenzene

Concen: 53.846 ug/l

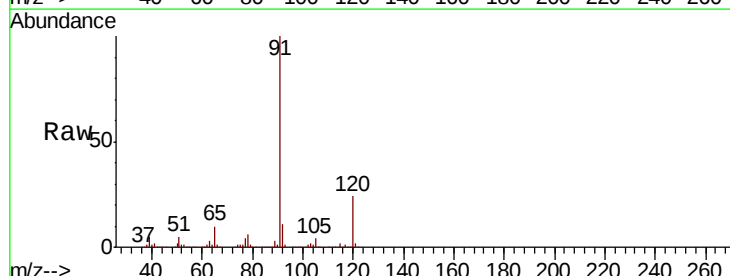
RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064493.D

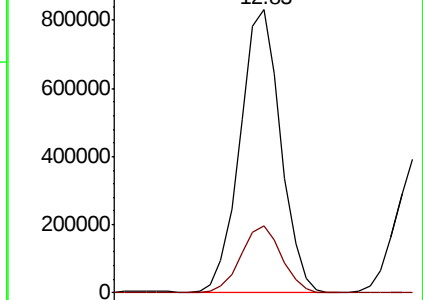
Acq: 11 Dec 2019 11:04

Tgt Ion:	91	Resp:	1290427
Ion Ratio	Lower	Upper	
91	100		
120	23.9	11.9	35.9

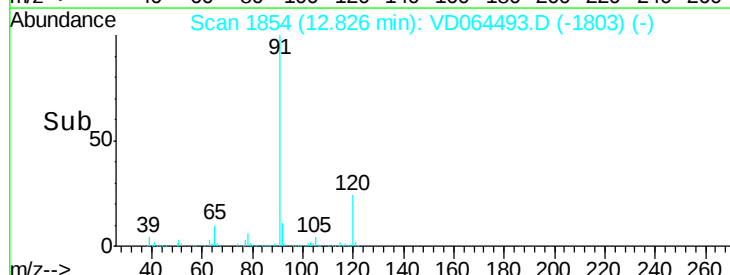


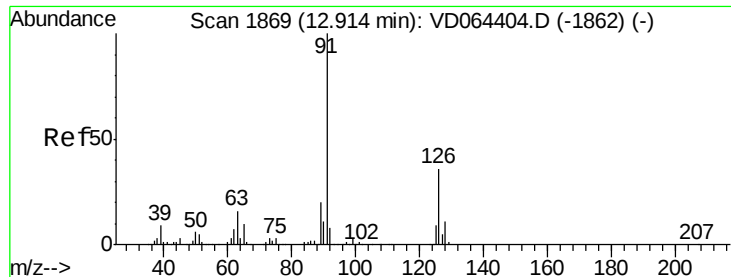
Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V



Time-->





#79

2-Chlorotoluene

Concen: 51.589 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064493.D

Acq: 11 Dec 2019 11:04

Instrument :

MSVOA_D

ClientSampleId :

VSTD05006

Tot Ion: 91 Resp: 680289

Ion Ratio Lower Upper

91 100

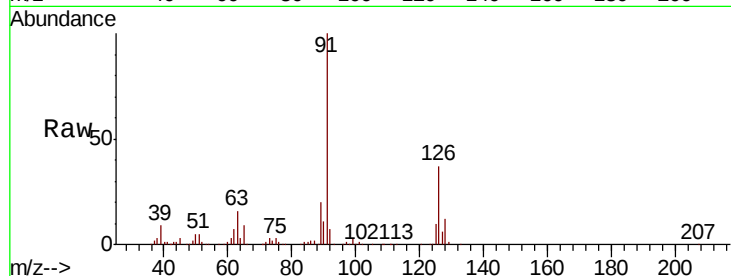
126 36.5 18.0 54.0

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

Ion 125.90 (125.60 to 126.60): VD064404.D (-1862) (-)

600000

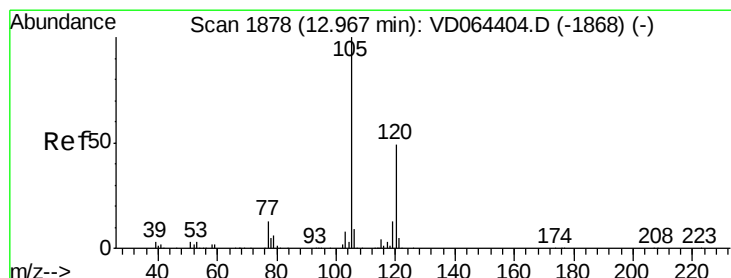
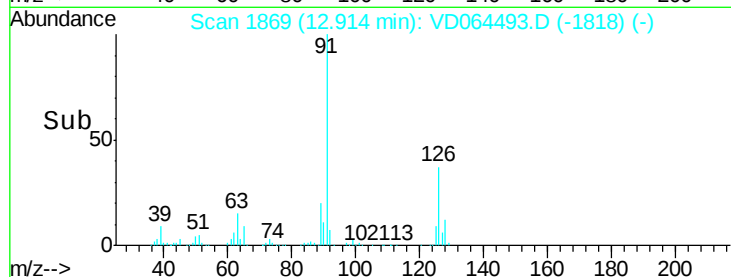
400000

200000

0

12.85 12.90 12.95

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 52.532 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064493.D

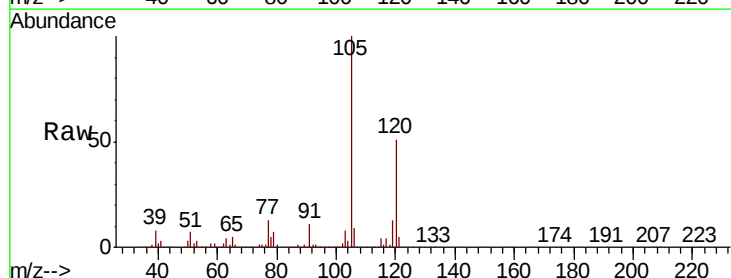
Acq: 11 Dec 2019 11:04

Tgt Ion:105 Resp: 891651

Ion Ratio Lower Upper

105 100

120 50.8 25.1 75.3



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

Ion 120.00 (119.70 to 120.70): VD064404.D (-1868) (-)

600000

500000

400000

300000

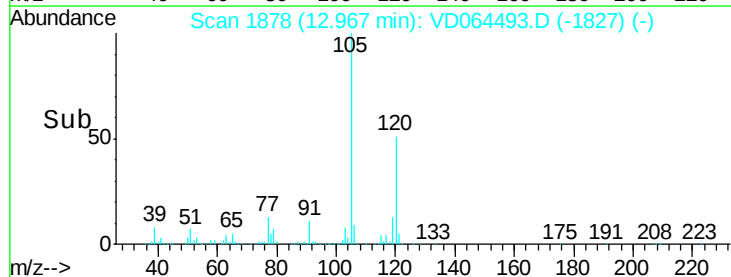
200000

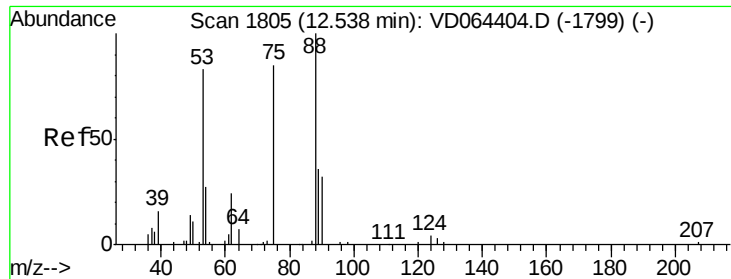
100000

0

12.90 12.95 13.00 13.10

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 48.708 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD064493.D

Acq: 11 Dec 2019 11:04

Instrument :

MSVOA_D

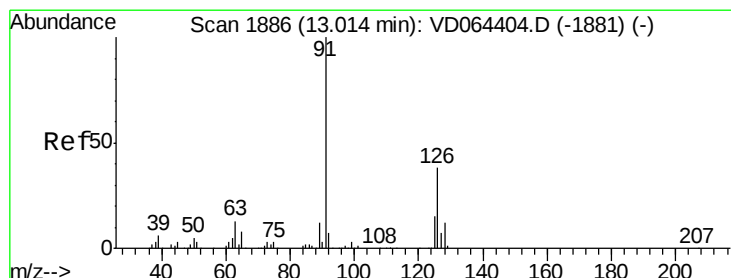
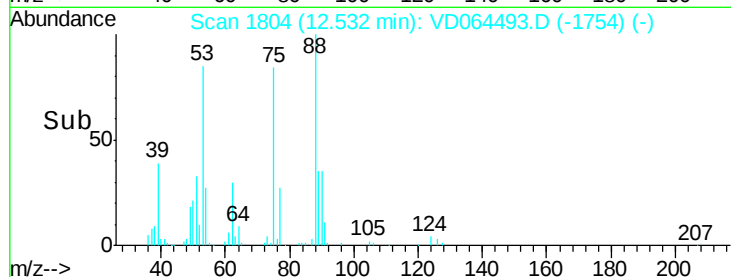
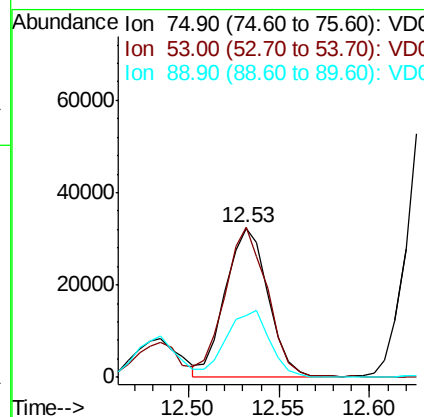
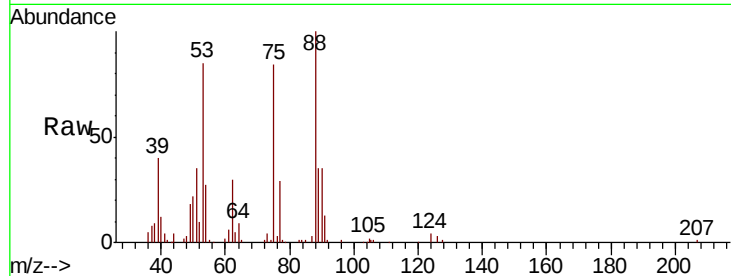
ClientSampleId :

VSTD05006

Tot Ion:	75	Resp:	53052
Ion Ratio	Lower	Upper	
75	100		
53	99.8	81.0	121.6
89	44.8	38.5	57.7

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#82

4-Chlorotoluene

Concen: 52.196 ug/l

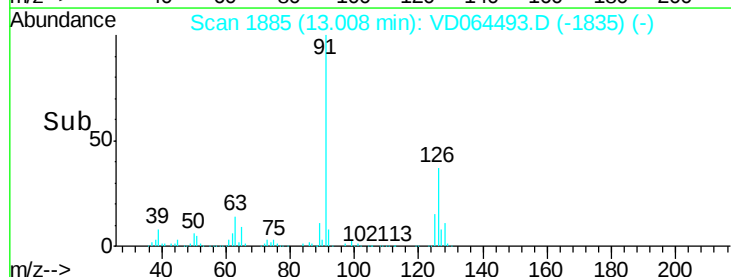
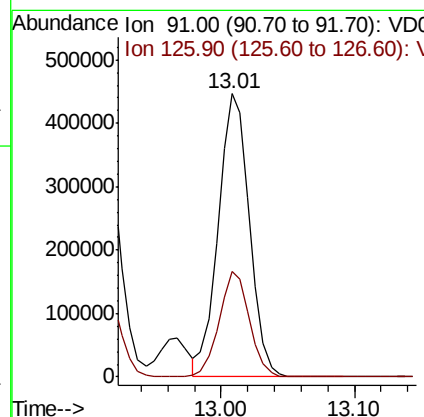
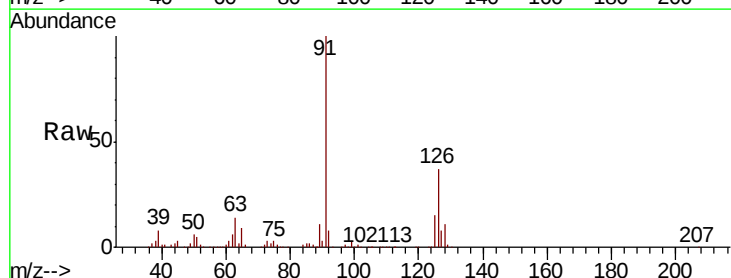
RT: 13.01 min Scan# 1885

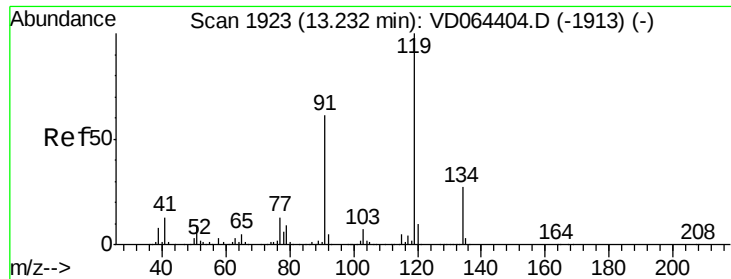
Delta R.T. -0.01 min

Lab File: VD064493.D

Acq: 11 Dec 2019 11:04

Tgt Ion:	91	Resp:	728757
Ion Ratio	Lower	Upper	
91	100		
126	36.3	18.2	54.6





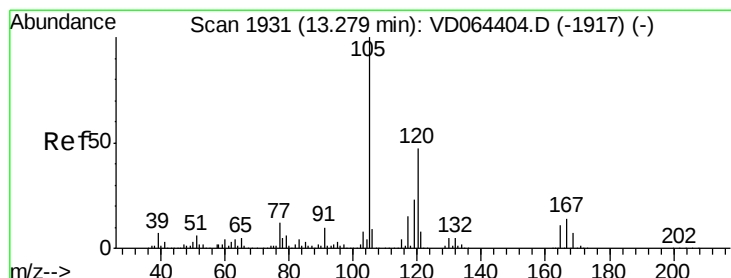
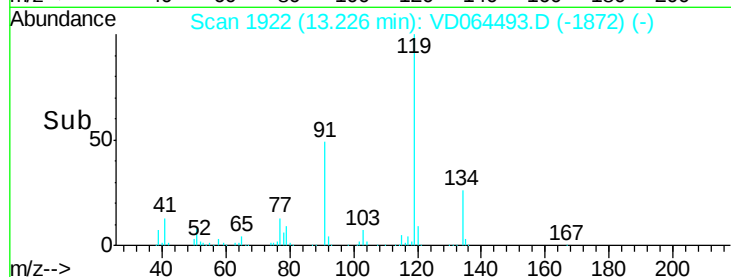
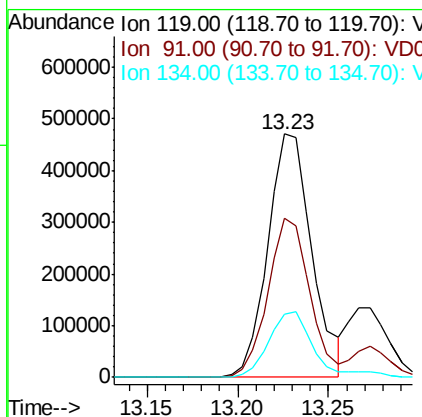
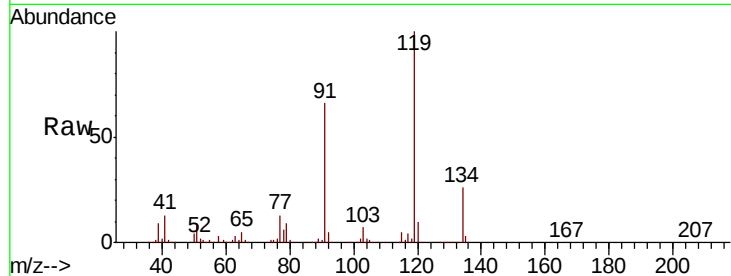
#83
tert-Butylbenzene
Concen: 53.952 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. -0.01 min
Lab File: VD064493.D
Acq: 11 Dec 2019 11:04

Instrument :
MSVOA_D
ClientSampleId :
VSTD05006

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.2	31.2	93.6
134	27.7	13.9	41.7

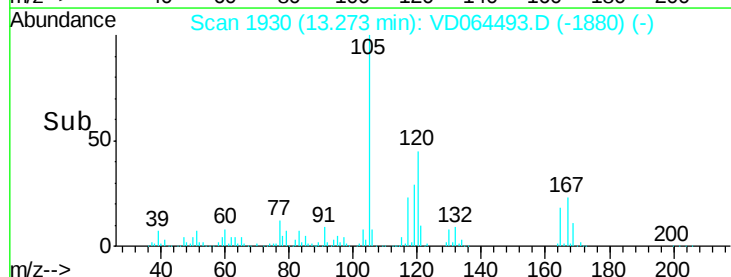
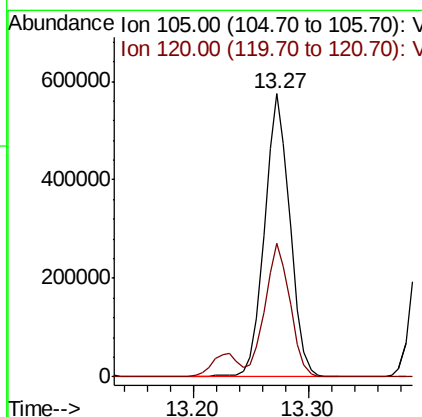
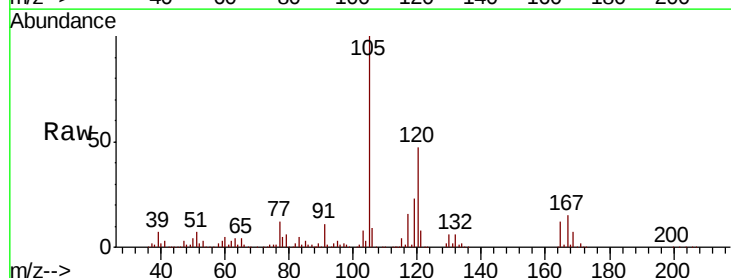
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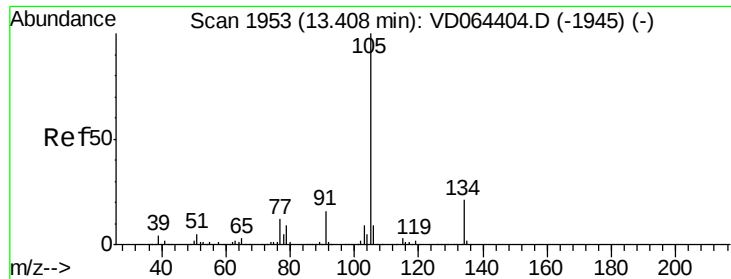
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#84
1,2,4-Trimethylbenzene
Concen: 51.578 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.01 min
Lab File: VD064493.D
Acq: 11 Dec 2019 11:04

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.9	23.6	70.8





#85

sec-Butylbenzene

Concen: 54.263 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064493.D

Acq: 11 Dec 2019 11:04

Instrument :

MSVOA_D

ClientSampleId :

VSTD05006

Tot Ion:105 Resp: 1098982

Ion Ratio Lower Upper

105 100

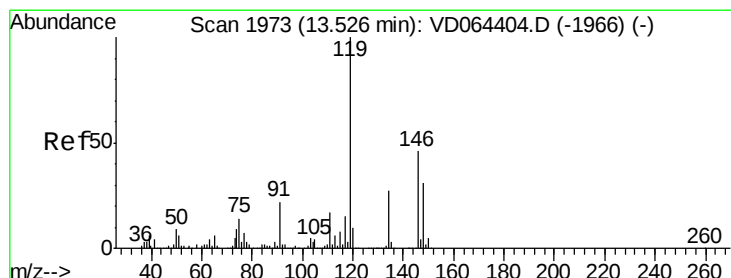
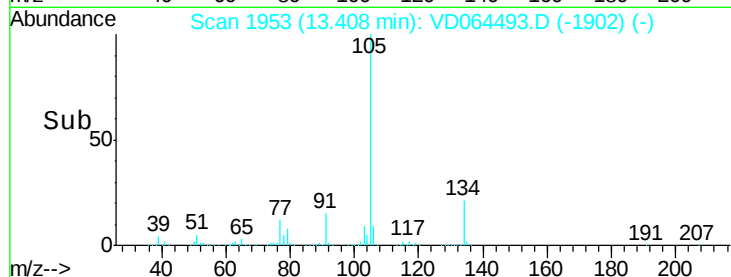
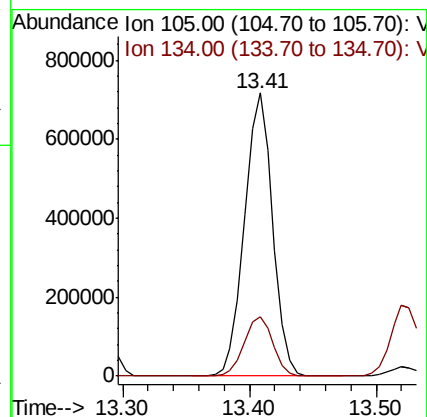
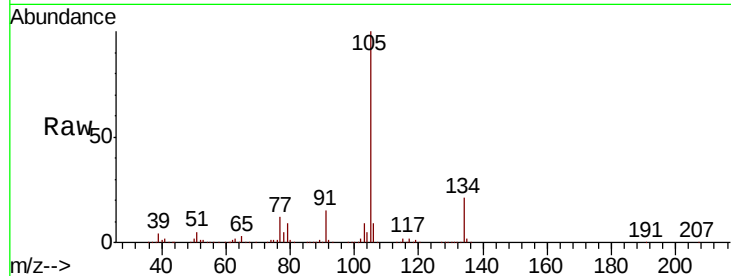
134 21.4 10.5 31.5

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#86

p-Isopropyltoluene

Concen: 53.886 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.01 min

Lab File: VD064493.D

Acq: 11 Dec 2019 11:04

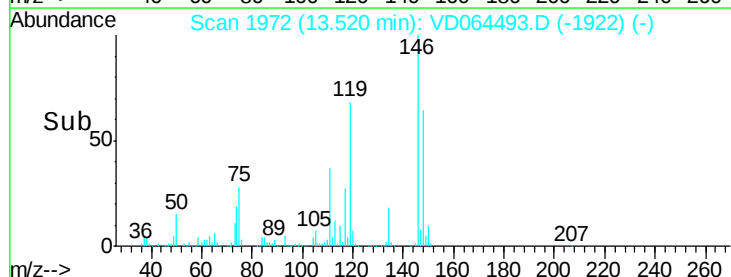
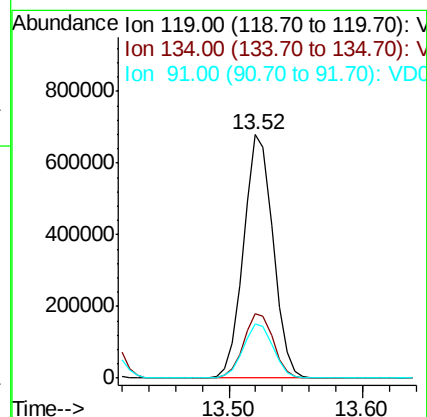
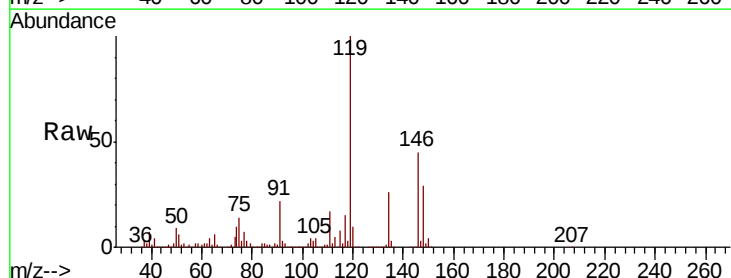
Tgt Ion:119 Resp: 1030341

Ion Ratio Lower Upper

119 100

134 26.9 13.5 40.4

91 22.5 11.2 33.5





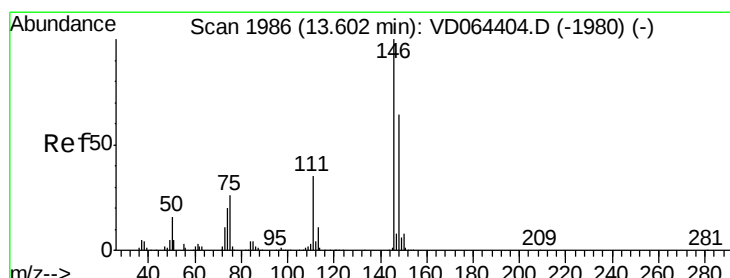
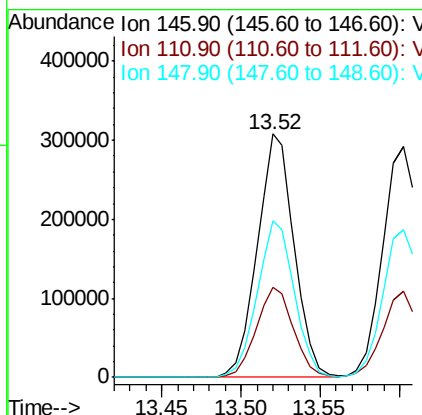
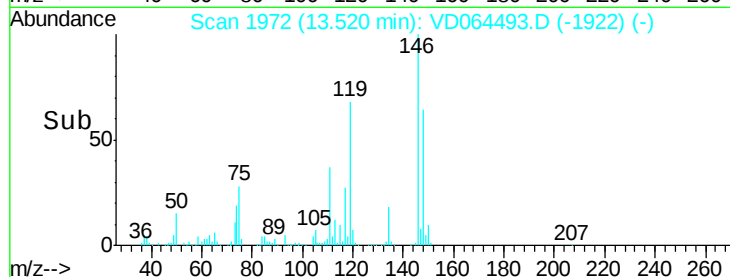
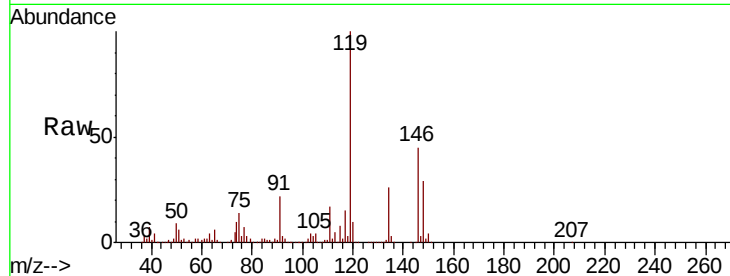
#87
 1,3-Dichlorobenzene
 Concen: 50.969 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD064493.D
 Acq: 11 Dec 2019 11:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD05006

Tot Ion	Ratio	Resp	Lower	Upper
146	100	496192		
111	37.4	18.8	56.4	
148	64.7	32.6	97.8	

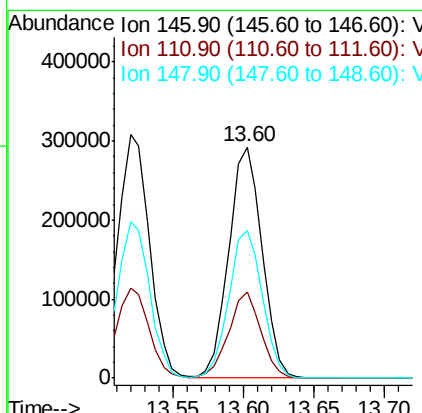
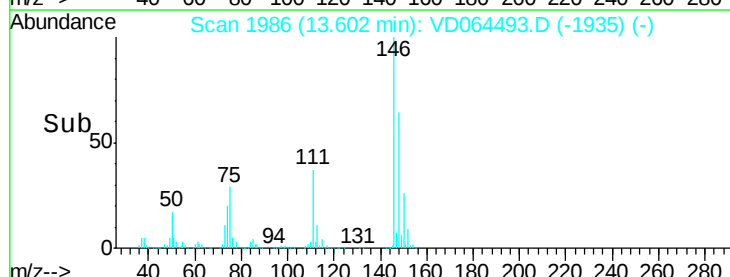
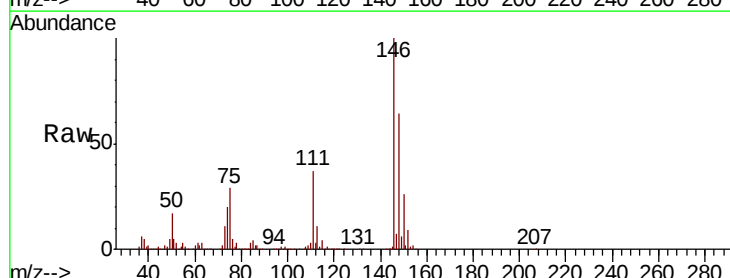
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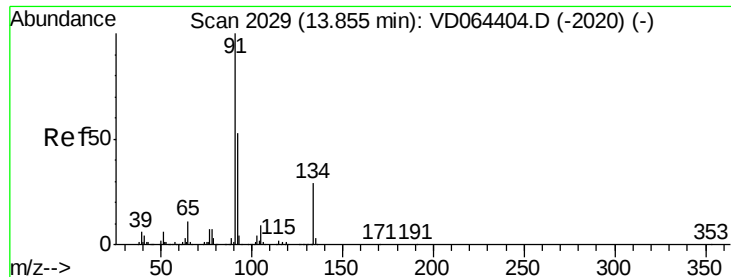
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#88
 1,4-Dichlorobenzene
 Concen: 50.088 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064493.D
 Acq: 11 Dec 2019 11:04

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	481417		
111	36.4	18.2	54.6	
148	64.2	31.8	95.4	





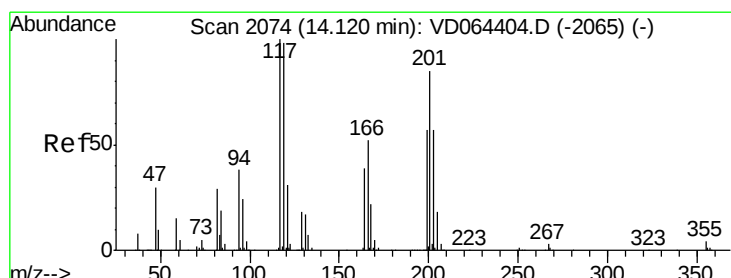
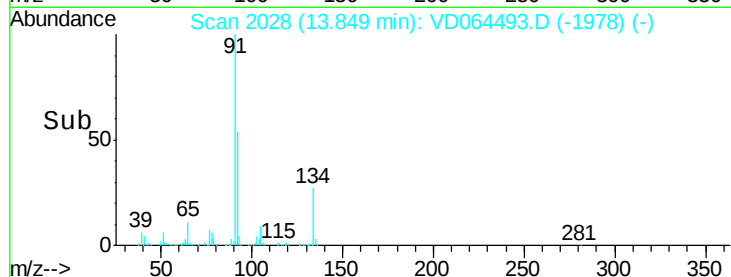
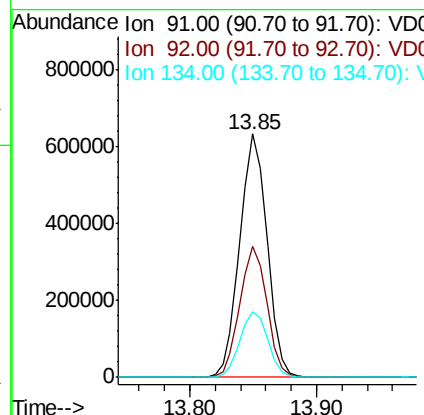
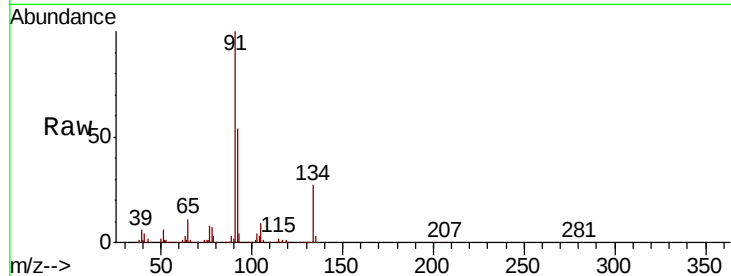
#89
n-Butylbenzene
Concen: 54.476 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.01 min
Lab File: VD064493.D
Acq: 11 Dec 2019 11:04

Instrument :
MSVOA_D
ClientSampleId :
VSTD05006

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.5	26.5	79.4
134	27.6	13.9	41.7

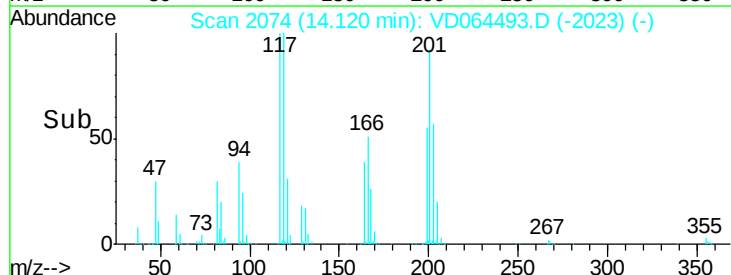
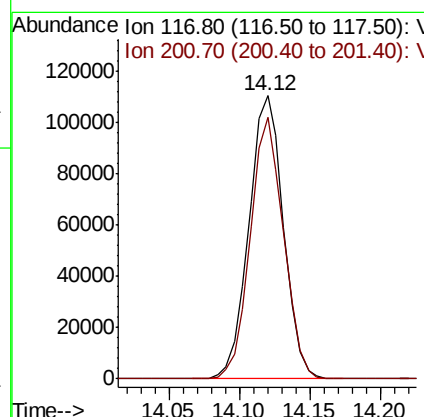
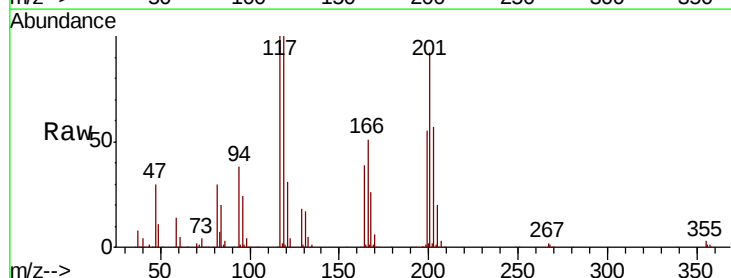
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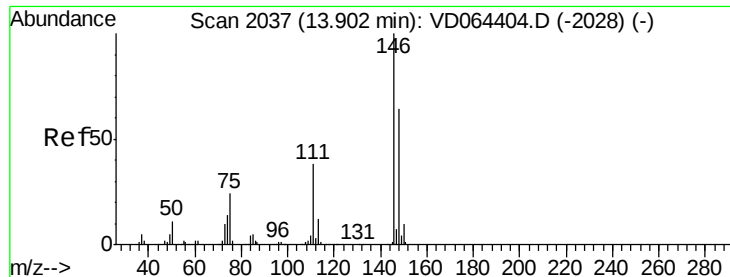
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#90
Hexachloroethane
Concen: 52.935 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064493.D
Acq: 11 Dec 2019 11:04

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.9	44.3	132.8





#91

1,2-Dichlorobenzene

Concen: 49.702 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. -0.01 min

Lab File: VD064493.D

Acq: 11 Dec 2019 11:04

Instrument :

MSVOA_D

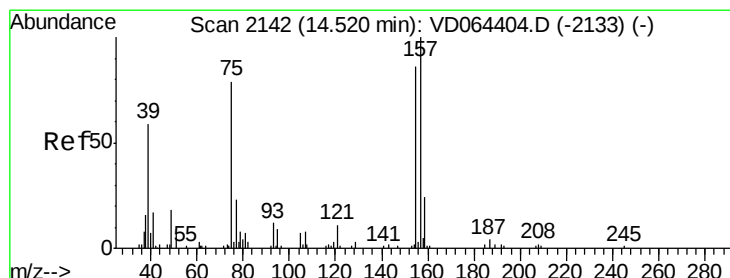
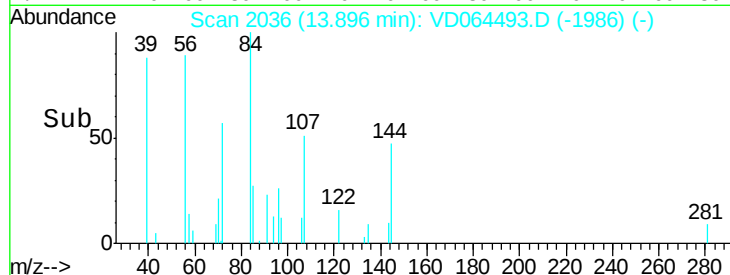
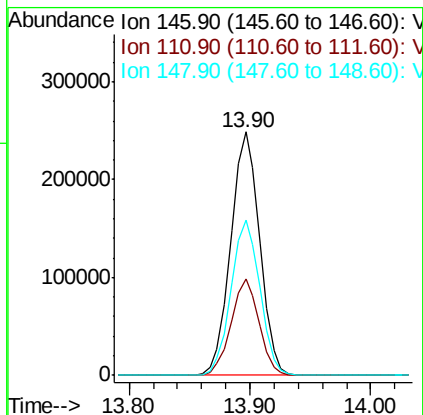
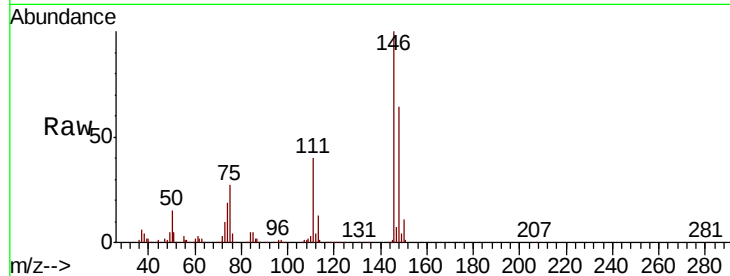
ClientSampleId :

VSTD05006

Tot Ion:	146	Resp:	413512
Ion Ratio	Lower	Upper	
146	100		
111	38.5	19.1	57.3
148	63.9	32.0	96.0

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#92

1,2-Dibromo-3-Chloropropane

Concen: 50.368 ug/l

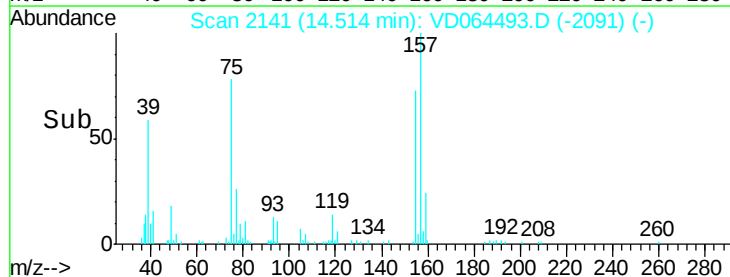
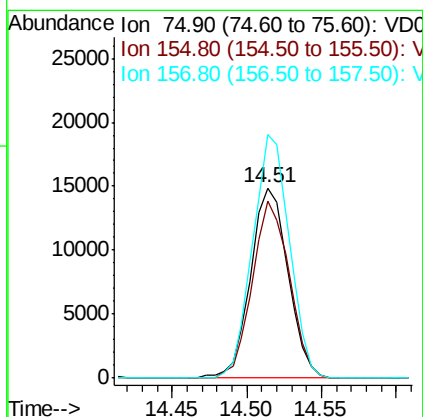
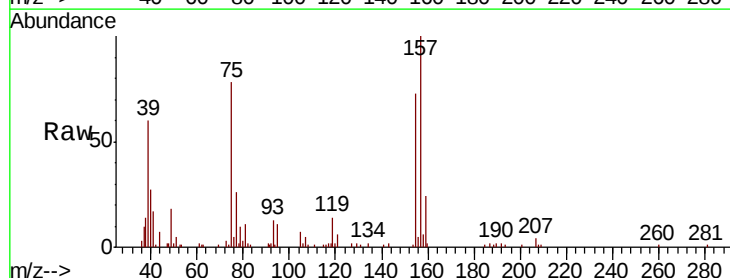
RT: 14.51 min Scan# 2141

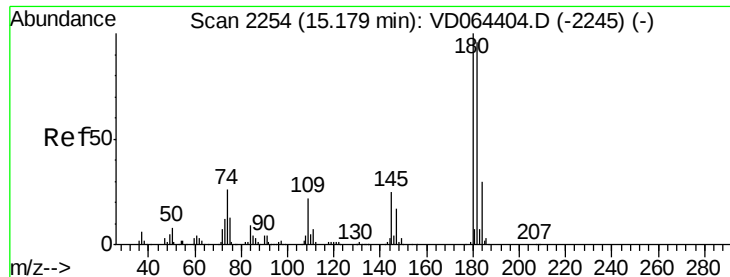
Delta R.T. -0.01 min

Lab File: VD064493.D

Acq: 11 Dec 2019 11:04

Tgt Ion:	75	Resp:	25834
Ion Ratio	Lower	Upper	
75	100		
155	92.0	51.9	155.7
157	124.9	63.2	189.8





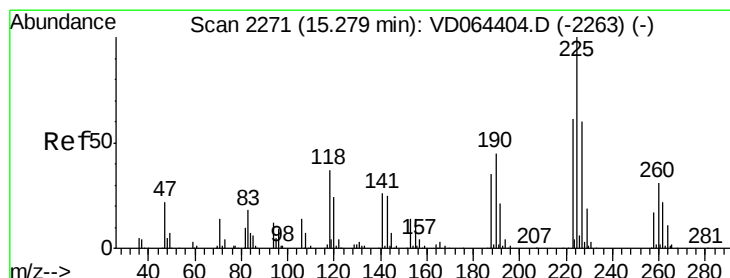
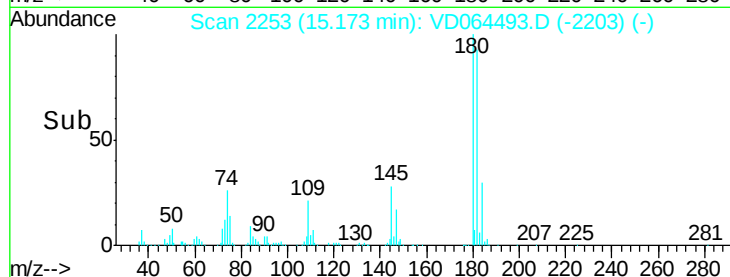
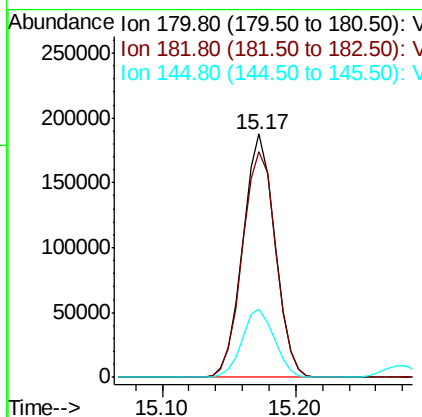
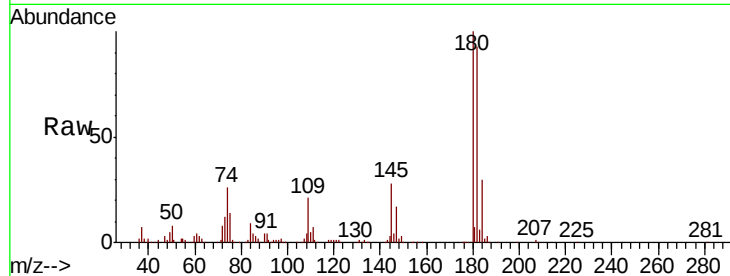
#93
 1,2,4-Trichlorobenzene
 Concen: 48.804 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD064493.D
 Acq: 11 Dec 2019 11:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD05006

Tot Ion	Ratio	Resp	Lower	Upper
180	100	310965		
182	97.0	47.4	142.3	
145	28.3	14.0	41.9	

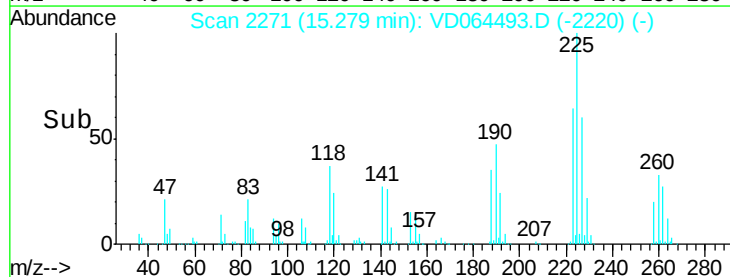
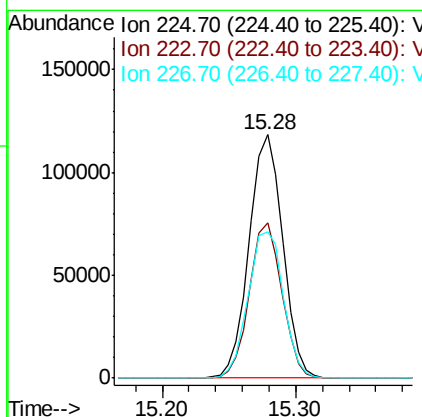
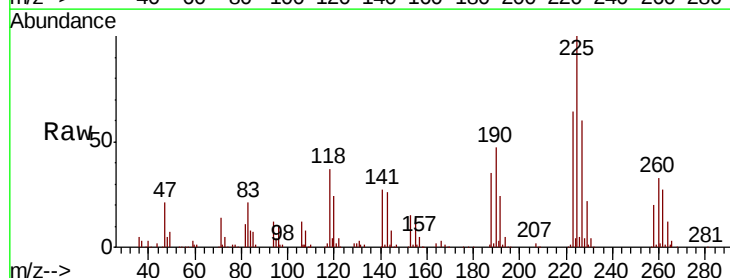
Manual Integrations
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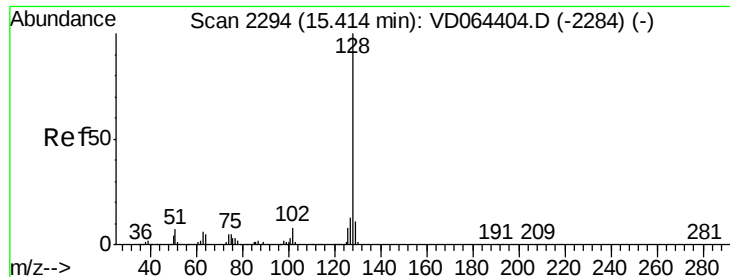
apatel
 12/12/2019 10:28:58 AM



#94
 Hexachlorobutadiene
 Concen: 52.387 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064493.D
 Acq: 11 Dec 2019 11:04

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	206066		
223	61.6	31.1	93.3	
227	63.2	31.8	95.4	





#95

Naphthalene

Concen: 45.530 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD064493.D

Acq: 11 Dec 2019 11:04

Instrument :

MSVOA_D

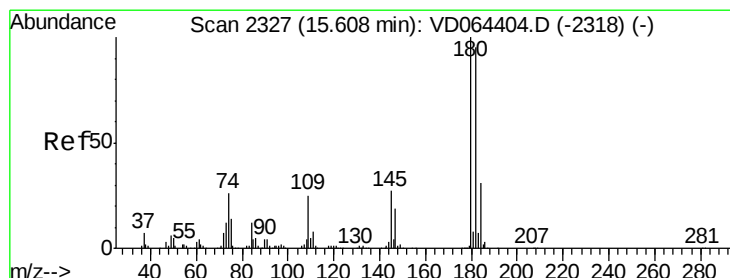
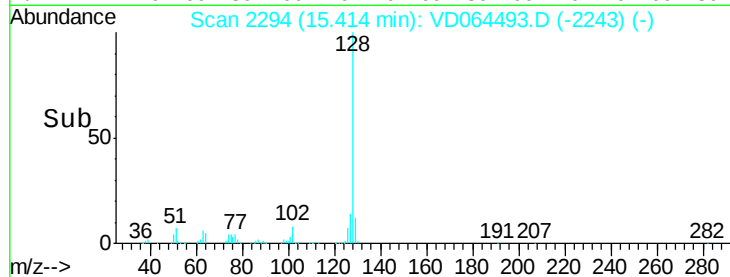
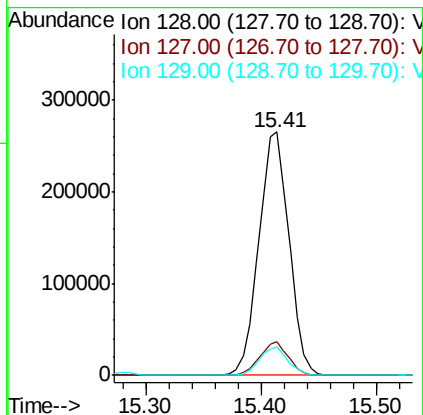
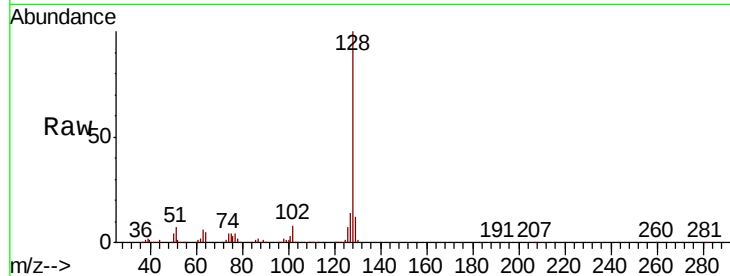
ClientSampleId :

VSTD05006

Tot Ion:	128	Resp:	484145
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.5	15.7
129	11.0	8.8	13.2

Manual Integrations
APPROVED

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12/12/2019 10:28:58 AM



#96

1,2,3-Trichlorobenzene

Concen: 48.468 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. -0.01 min

Lab File: VD064493.D

Acq: 11 Dec 2019 11:04

Tgt Ion:	180	Resp:	263617
Ion Ratio	Lower	Upper	
180	100		
182	96.0	47.6	142.9
145	29.9	14.6	43.8

