

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122419\
 Data File : VD064584.D
 Acq On : 24 Dec 2019 11:46
 Operator : VA/SY
 Sample : VSTDICCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

apatel
 12/26/2019 11:13:57 AM

Quant Time: Dec 24 13:10:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 12:06:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	426185	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	622428	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	543002	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	272142	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	191867	49.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.22%	
35) Dibromofluoromethane	7.92	113	198444	50.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.92%	
50) Toluene-d8	10.34	98	754406	50.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.42%	
62) 4-Bromofluorobenzene	12.64	95	241506	50.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	167777	44.092	ug/l	100
3) Chloromethane	2.21	50	231272	47.541	ug/l	100
4) Vinyl Chloride	2.35	62	277622	49.410	ug/l	100
5) Bromomethane	2.77	94	197281	47.396	ug/l	100
6) Chloroethane	2.92	64	194161	51.272	ug/l	100
7) Trichlorofluoromethane	3.27	101	477815	50.845	ug/l	100
8) Diethyl Ether	3.71	74	94507	48.818	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.08	101	200115	49.777	ug/l	100
10) Methyl Iodide	4.29	142	235104	55.707	ug/l	100
11) Tert butyl alcohol	5.25	59	58459	241.238	ug/l	100
12) 1,1-Dichloroethene	4.06	96	189536	49.387	ug/l	100
13) Acrolein	3.93	56	78192	234.109	ug/l	100
14) Allyl chloride	4.71	41	296204	49.561	ug/l	100
15) Acrylonitrile	5.43	53	202888	240.317	ug/l	100
16) Acetone	4.17	43	195905	253.863	ug/l	100
17) Carbon Disulfide	4.40	76	604896	49.876	ug/l	100
18) Methyl Acetate	4.73	43	105493	46.717	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	431518	49.309	ug/l	100
20) Methylene Chloride	4.96	84	204711	45.842	ug/l	100
21) trans-1,2-Dichloroethene	5.47	96	213074	49.208	ug/l	100
22) Diisopropyl ether	6.37	45	598239	50.567	ug/l	100
23) Vinyl Acetate	6.31	43	1766195	254.335	ug/l	100
24) 1,1-Dichloroethane	6.27	63	354828	50.008	ug/l	100
25) 2-Butanone	7.22	43	268650	245.728	ug/l	100
26) 2,2-Dichloropropane	7.21	77	326922	52.329	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	234660	49.677	ug/l	100
28) Bromochloromethane	7.55	49	148427	59.517	ug/l	100
29) Tetrahydrofuran	7.57	42	167536	240.179	ug/l	100
30) Chloroform	7.71	83	369040	50.154	ug/l	100
31) Cyclohexane	7.98	56	336698	48.125	ug/l	100
32) 1,1,1-Trichloroethane	7.91	97	346737	50.640	ug/l	100
36) 1,1-Dichloropropene	8.11	75	300931	50.748	ug/l	100
37) Ethyl Acetate	7.30	43	123311	49.541	ug/l	100
38) Carbon Tetrachloride	8.10	117	326476	52.251	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	372283	50.932	ug/l	100
40) Benzene	8.36	78	820055	50.214	ug/l	100
41) Methacrylonitrile	7.54	41	75415	53.557	ug/l	100
42) 1,2-Dichloroethane	8.43	62	238161	49.960	ug/l	100
43) Isopropyl Acetate	8.46	43	241962	49.595	ug/l	100
44) Trichloroethene	9.11	130	240718	48.928	ug/l	100
45) 1,2-Dichloropropane	9.39	63	197055	50.596	ug/l	100
46) Dibromomethane	9.48	93	111953	50.758	ug/l	100
47) Bromodichloromethane	9.67	83	294136	51.817	ug/l	100
48) Methyl methacrylate	9.46	41	119225	52.666	ug/l	100
49) 1,4-Dioxane	9.46	88	25111	927.598	ug/l	100
51) 4-Methyl-2-Pentanone	10.23	43	594837	246.207	ug/l	100
52) Toluene	10.40	92	542875	50.761	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	278050	51.507	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	328652	51.238	ug/l	100
55) 1,1,2-Trichloroethane	10.80	97	148011	49.121	ug/l	100
56) Ethyl methacrylate	10.66	69	190641	49.825	ug/l	100
57) 1,3-Dichloropropane	10.95	76	256920	50.001	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	335232	220.910	ug/l	100
59) 2-Hexanone	10.99	43	416783	248.615	ug/l	100
60) Dibromochloromethane	11.14	129	206697	50.480	ug/l	100
61) 1,2-Dibromoethane	11.25	107	147603	49.109	ug/l	100
64) Tetrachloroethene	10.88	164	209368	50.584	ug/l	100
65) Chlorobenzene	11.67	112	580438	51.039	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	216933	51.635	ug/l	100
67) Ethyl Benzene	11.75	91	1048589	51.729	ug/l	100
68) m/p-Xylenes	11.85	106	820674	105.887	ug/l	100
69) o-Xylene	12.18	106	368439	51.728	ug/l	100
70) Styrene	12.20	104	646119	52.093	ug/l	100
71) Bromoform	12.36	173	124881	49.794	ug/l	100
73) Isopropylbenzene	12.48	105	1011215	51.516	ug/l	100
74) N-amyl acetate	12.29	43	219747	49.914	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.74	83	156732	48.859	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	94617m	43.138	ug/l	
77) Bromobenzene	12.76	156	244999	50.770	ug/l	100
78) n-propylbenzene	12.83	91	1170274	51.635	ug/l	100
79) 2-Chlorotoluene	12.91	91	636744	51.155	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	832645	51.905	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	52598	51.266	ug/l	100
82) 4-Chlorotoluene	13.01	91	676396	51.237	ug/l	100
83) tert-Butylbenzene	13.23	119	722051	51.745	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	823830	51.085	ug/l	100
85) sec-Butylbenzene	13.41	105	986702	51.599	ug/l	100
86) p-Isopropyltoluene	13.53	119	950098	52.401	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	463400	50.485	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	459956	50.728	ug/l	100
89) n-Butylbenzene	13.85	91	852100	51.927	ug/l	100
90) Hexachloroethane	14.12	117	178908	52.703	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	398149	50.889	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	24812	45.899	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	296156	49.543	ug/l	100
94) Hexachlorobutadiene	15.28	225	183704	49.909	ug/l	100
95) Naphthalene	15.41	128	483301	48.715	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	253453	49.806	ug/l	100

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

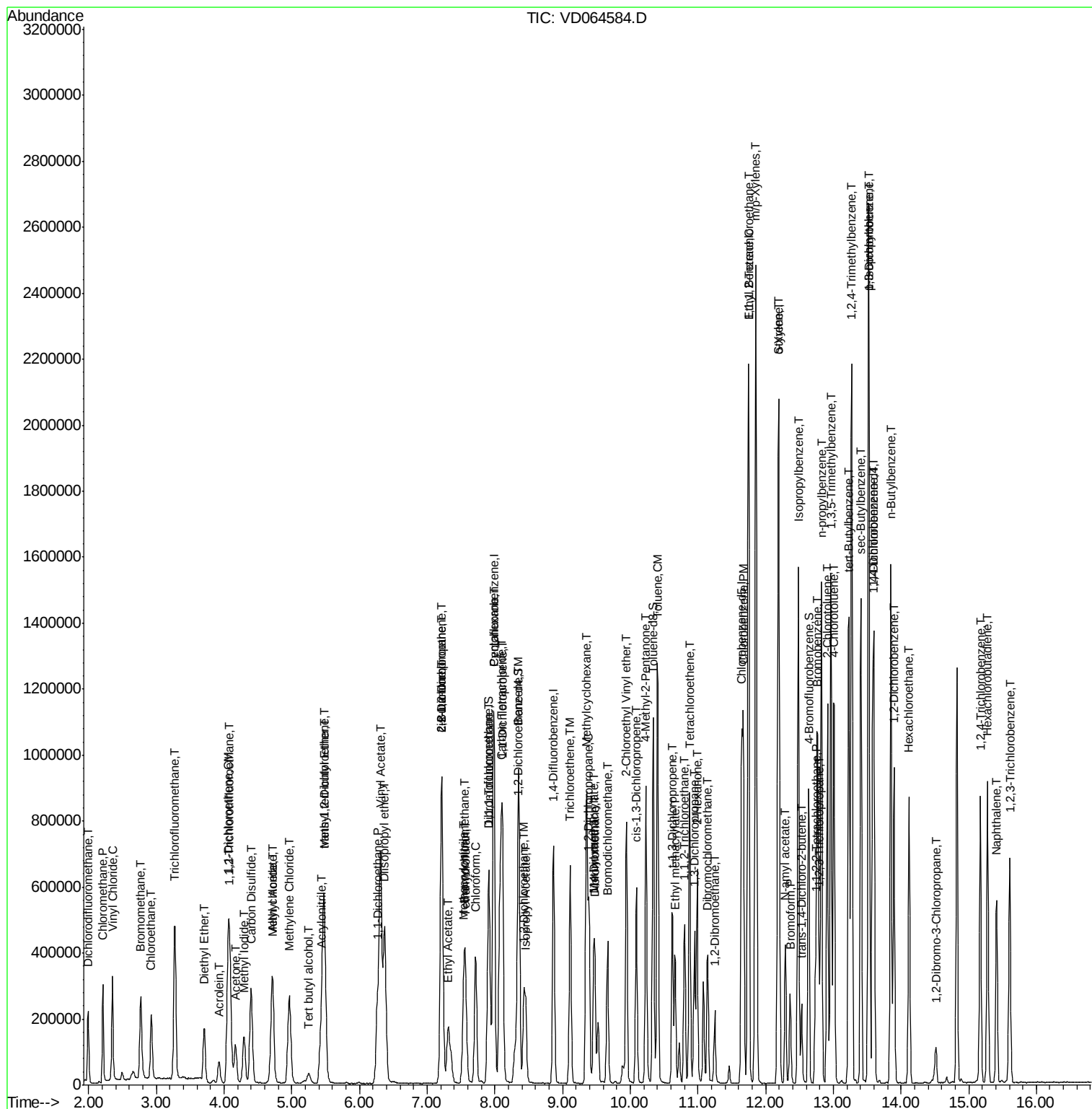
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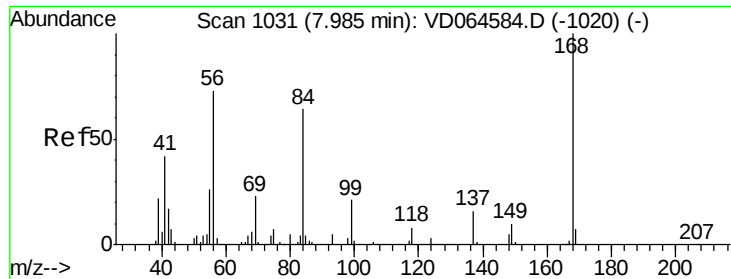
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064584.D

Acq: 24 Dec 2019 11:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 426185

Ion Ratio Lower Upper

168 100

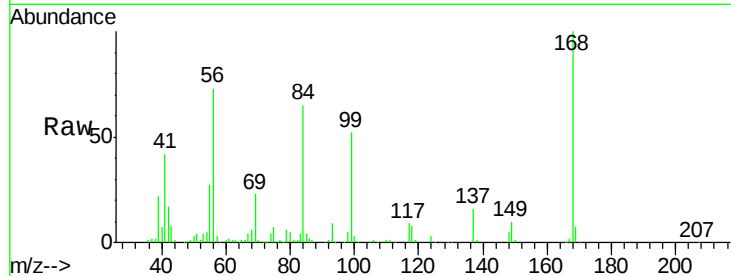
99 52.2 41.8 62.6

Manual Integrations

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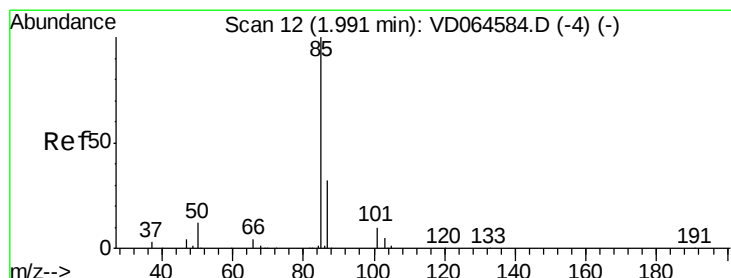
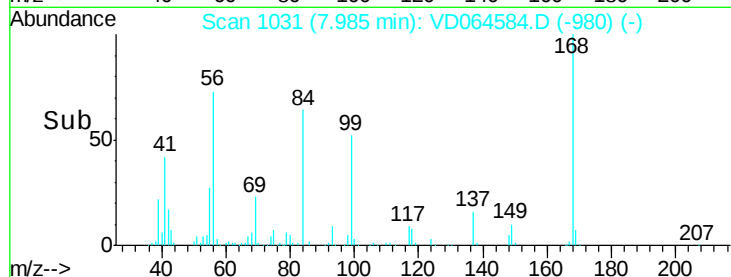
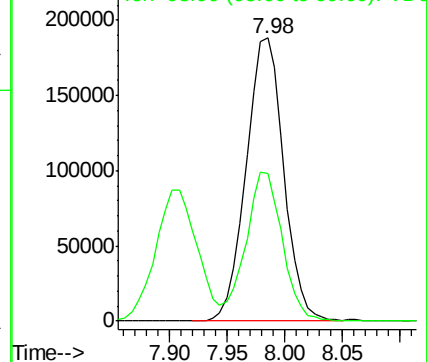
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 44.092 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064584.D

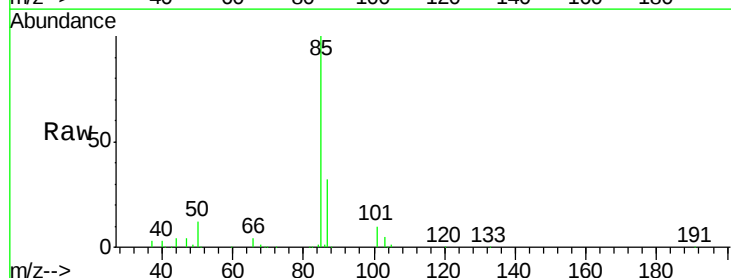
Acq: 24 Dec 2019 11:46

Tgt Ion: 85 Resp: 167777

Ion Ratio Lower Upper

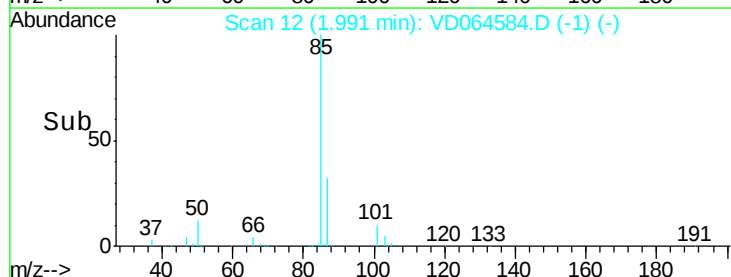
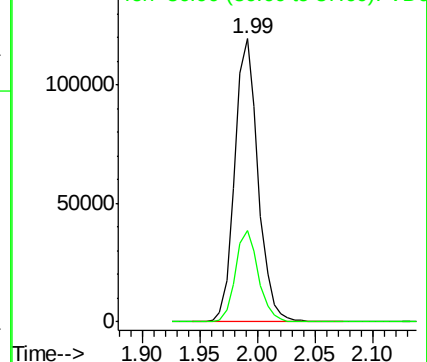
85 100

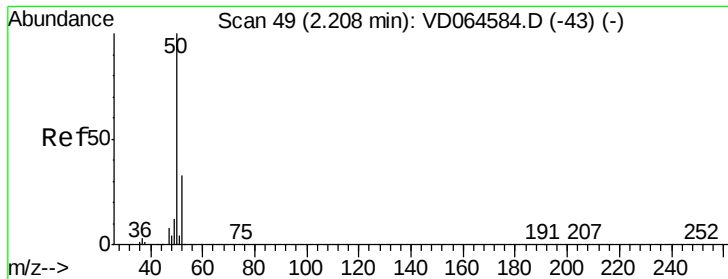
87 32.1 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 47.541 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064584.D

Acq: 24 Dec 2019 11:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 231272

Ion Ratio Lower Upper

50 100

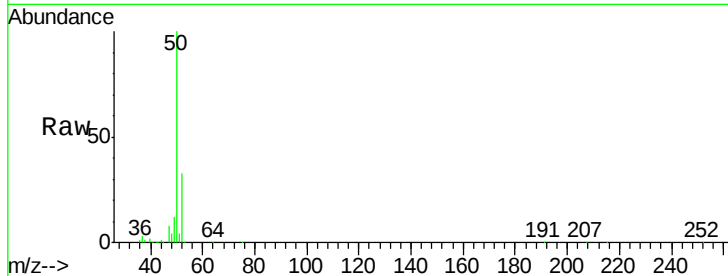
52 33.1 26.5 39.7

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

200000

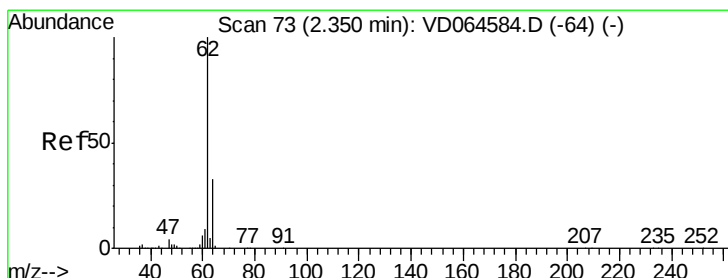
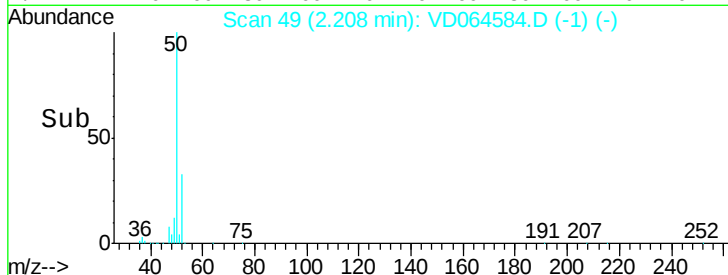
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100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 49.410 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064584.D

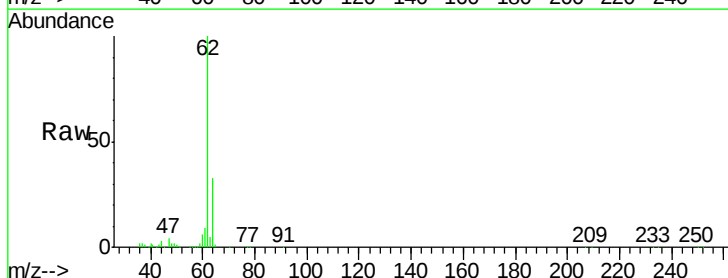
Acq: 24 Dec 2019 11:46

Tgt Ion: 62 Resp: 277622

Ion Ratio Lower Upper

62 100

64 33.3 26.6 40.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

200000

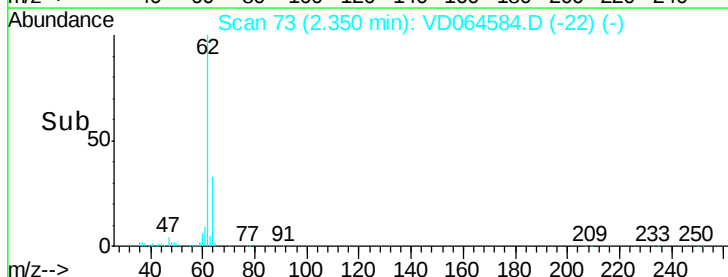
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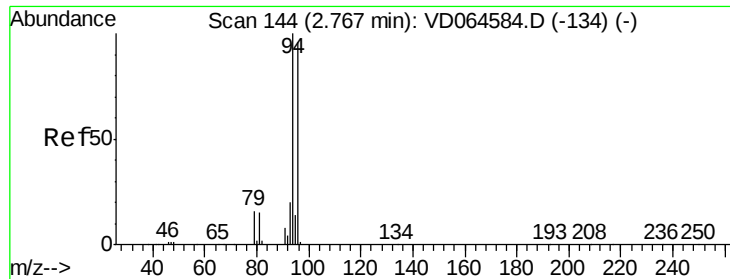
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50000

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Time-->





#5

Bromomethane

Concen: 47.396 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.00 min

Lab File: VD064584.D

Acq: 24 Dec 2019 11:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 197281

Ion Ratio Lower Upper

94 100

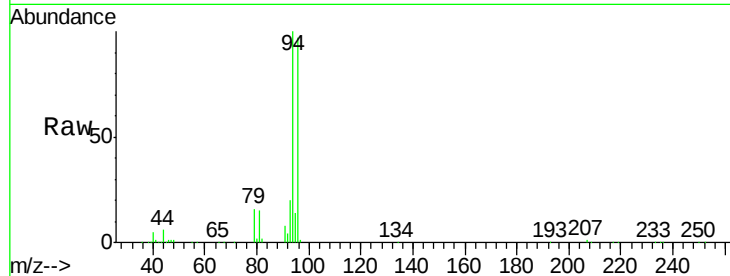
96 96.5 77.2 115.8

Manual Integrations

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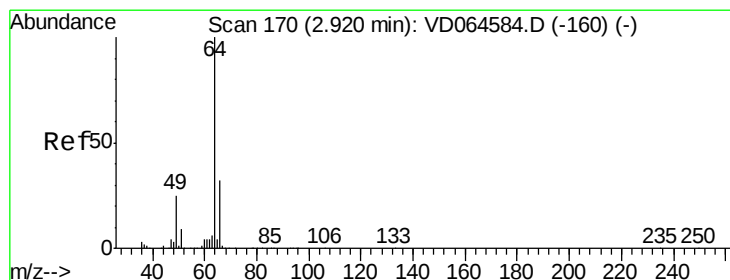
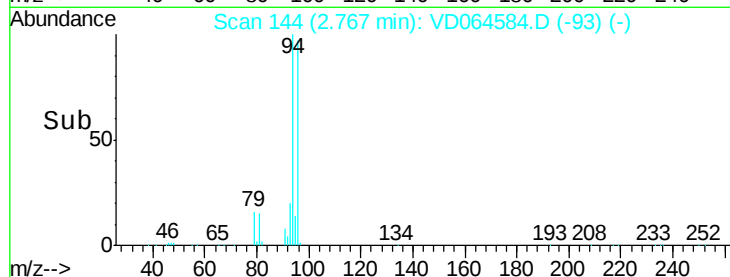
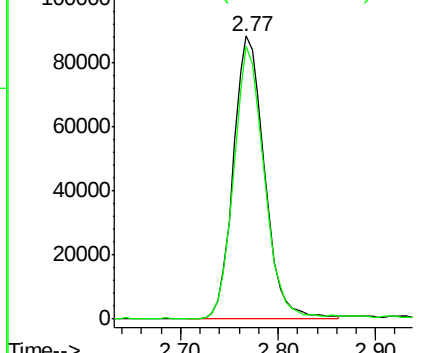
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 51.272 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064584.D

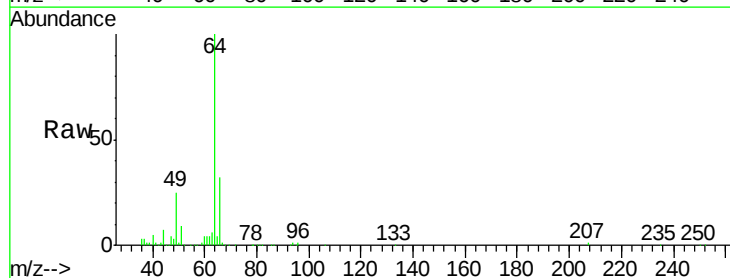
Acq: 24 Dec 2019 11:46

Tgt Ion: 64 Resp: 194161

Ion Ratio Lower Upper

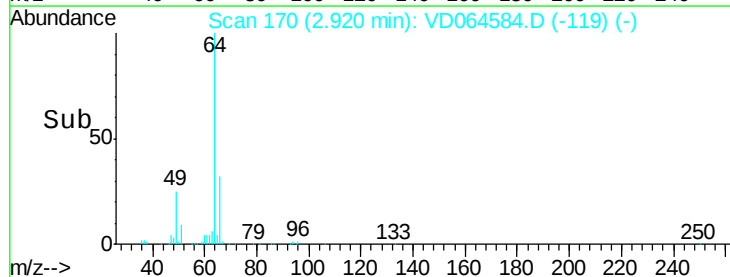
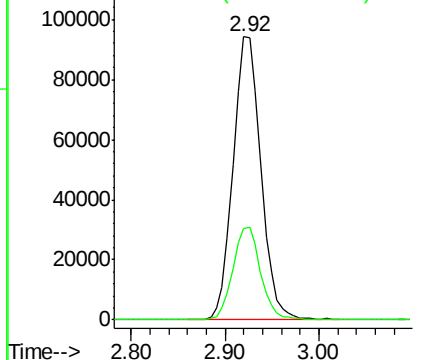
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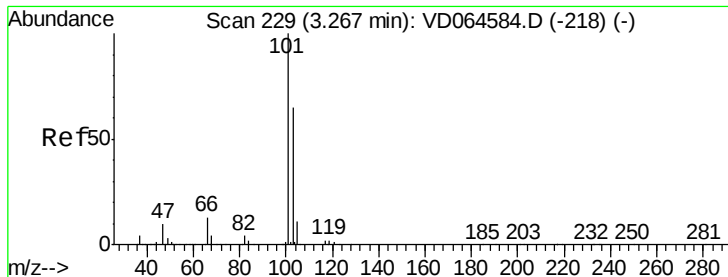
66 32.4 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

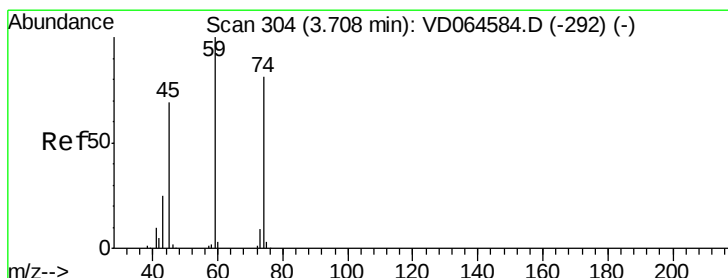
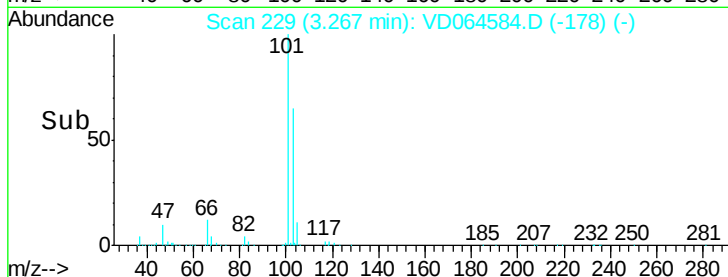
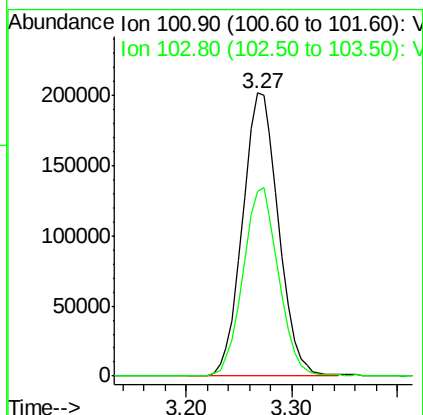
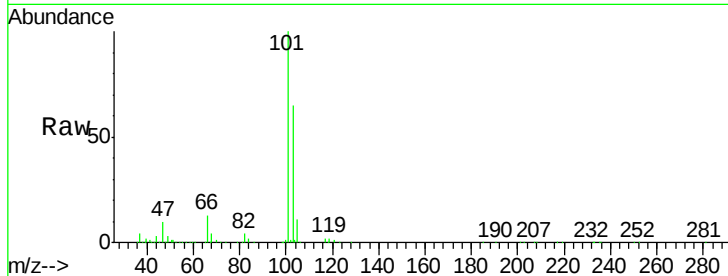
Trichlorofluoromethane
 Concen: 50.845 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. 0.00 min
 Lab File: VD064584.D
 Acq: 24 Dec 2019 11:46

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.3	52.2	78.4

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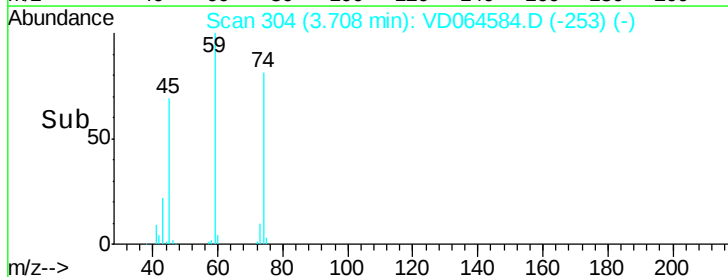
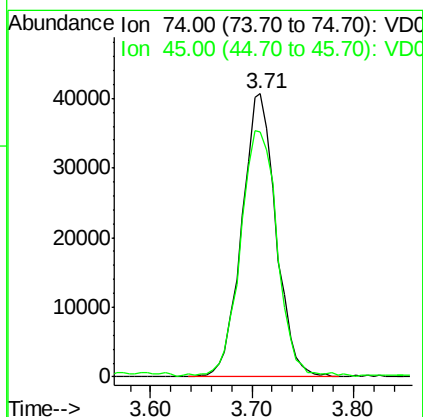
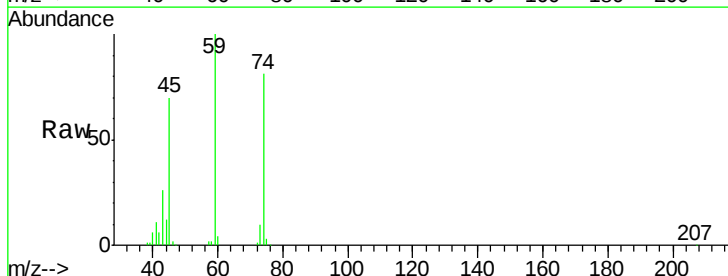
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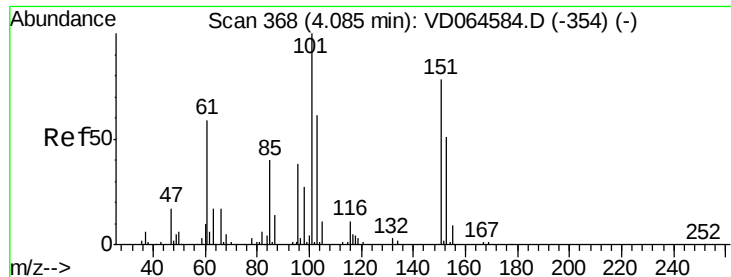


#8

Diethyl Ether
 Concen: 48.818 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD064584.D
 Acq: 24 Dec 2019 11:46

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.0	47.5	142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.777 ug/l

RT: 4.08 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD064584.D

Acq: 24 Dec 2019 11:46

Instrument :

MSVOA_D

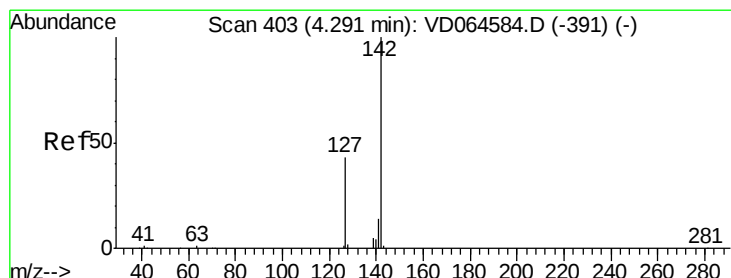
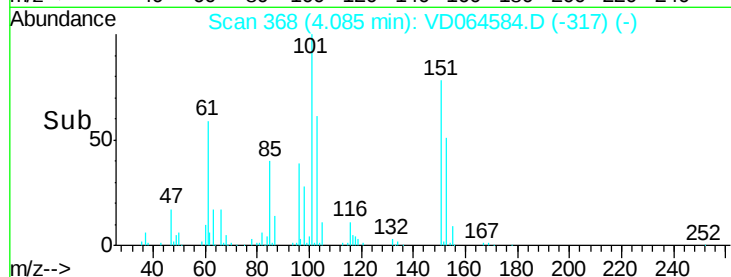
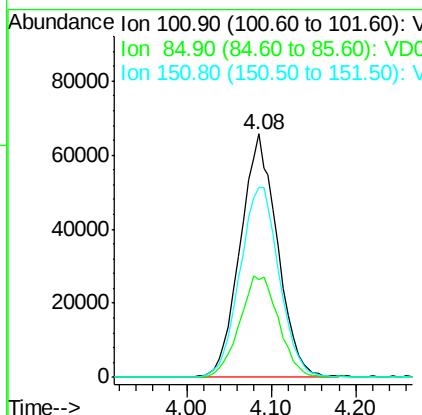
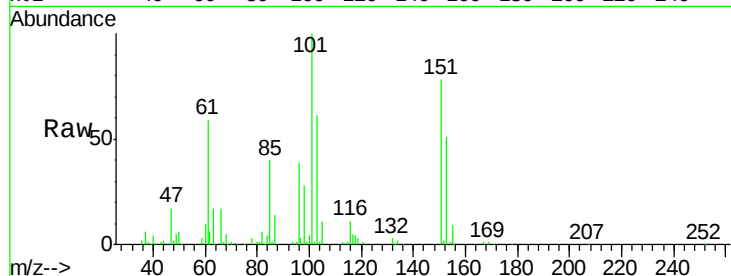
ClientSampleId :

VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	200115		
85	44.0	35.2	52.8	
151	82.8	66.2	99.4	

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#10

Methyl Iodide

Concen: 55.707 ug/l

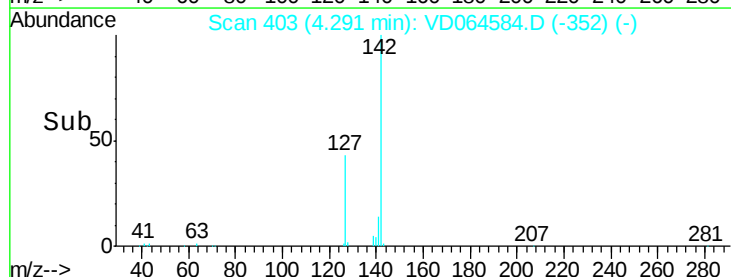
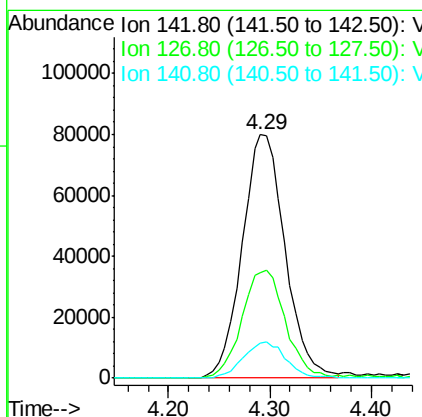
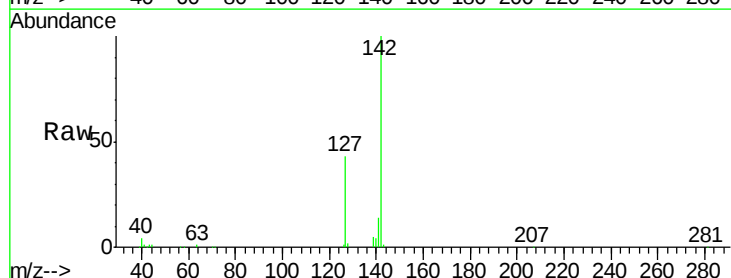
RT: 4.29 min Scan# 403

Delta R.T. 0.00 min

Lab File: VD064584.D

Acq: 24 Dec 2019 11:46

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	235104		
127	45.3	36.2	54.4	
141	14.8	11.8	17.8	





#11

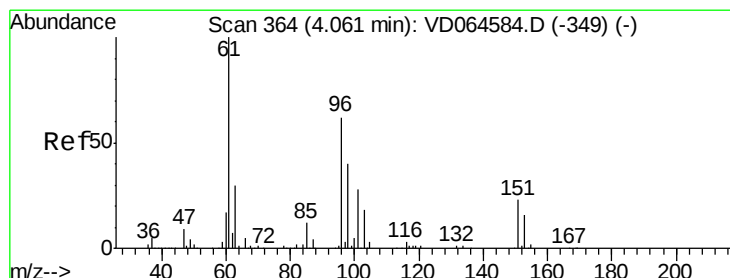
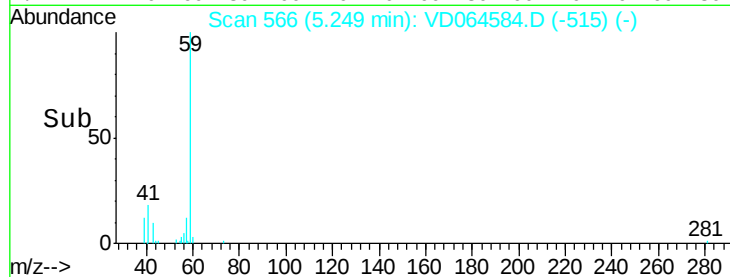
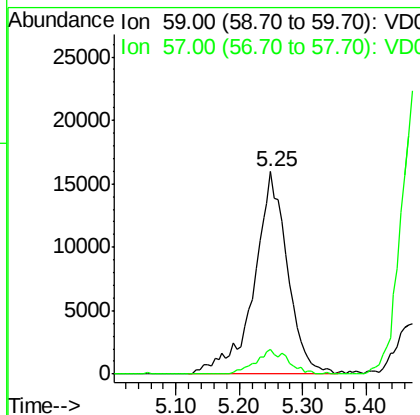
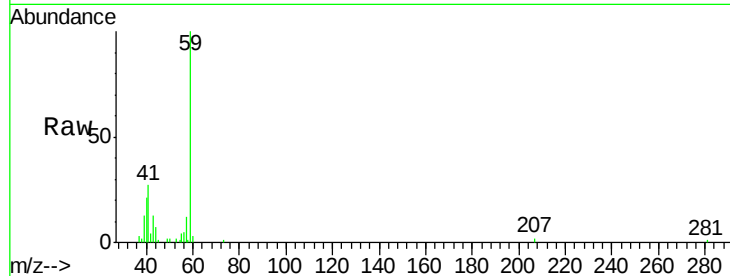
Tert butyl alcohol
 Concen: 241.238 ug/l
 RT: 5.25 min Scan# 566
 Delta R.T. 0.00 min
 Lab File: VD064584.D
 Acq: 24 Dec 2019 11:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	59	Resp	58459
Ion Ratio	100	Lower	Upper
57	11.6	9.3	13.9

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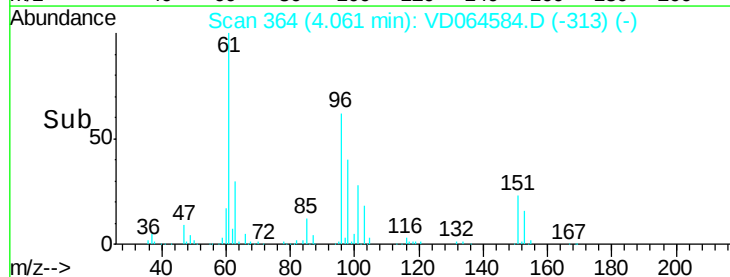
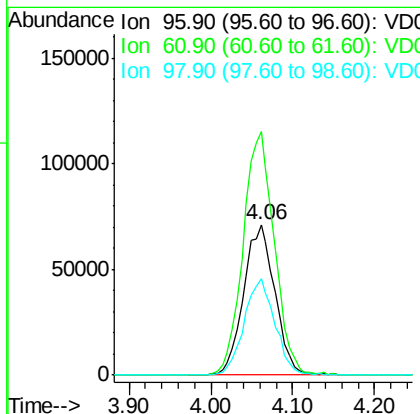
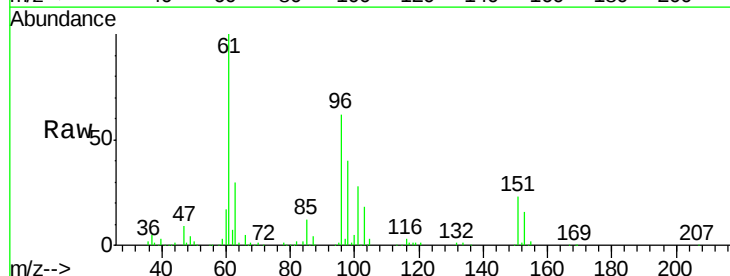
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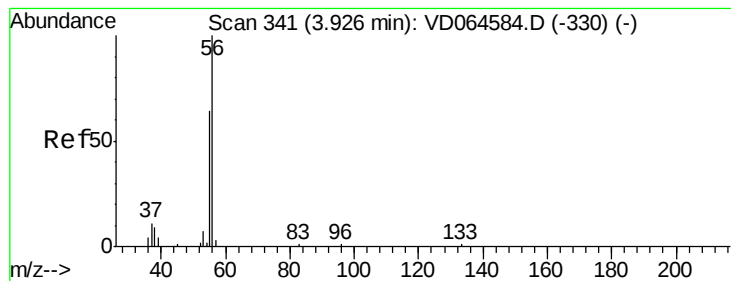


#12

1,1-Dichloroethene
 Concen: 49.387 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. 0.00 min
 Lab File: VD064584.D
 Acq: 24 Dec 2019 11:46

Tgt Ion	96	Resp	189536
Ion Ratio	100	Lower	Upper
61	161.7	129.4	194.0
98	64.2	51.4	77.0





#13

Acrolein

Concen: 234.109 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD064584.D

Acq: 24 Dec 2019 11:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 78192

Ion Ratio Lower Upper

56 100

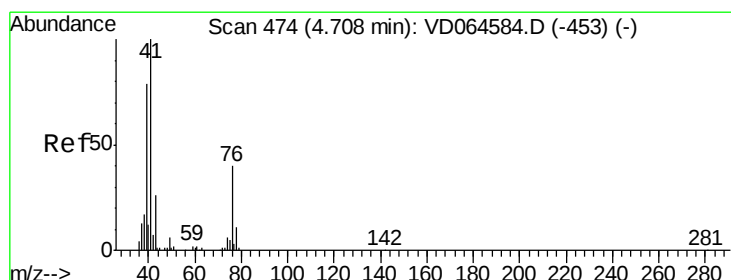
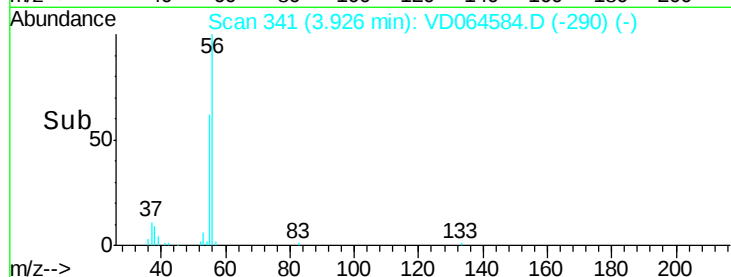
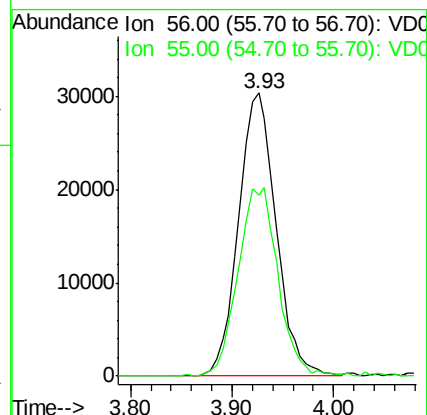
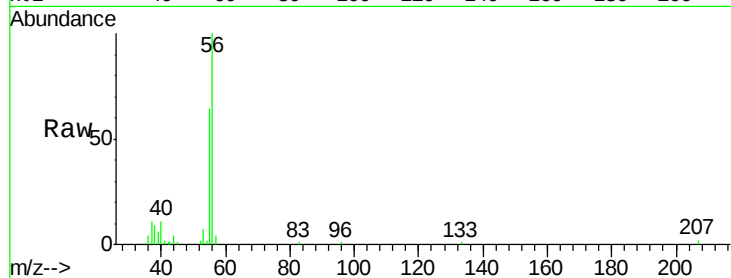
55 70.9 56.7 85.1

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#14

Allyl chloride

Concen: 49.561 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD064584.D

Acq: 24 Dec 2019 11:46

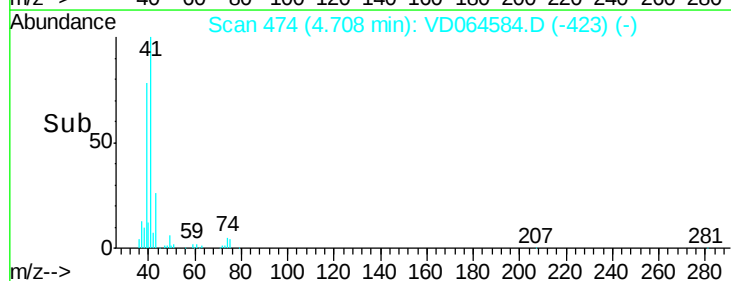
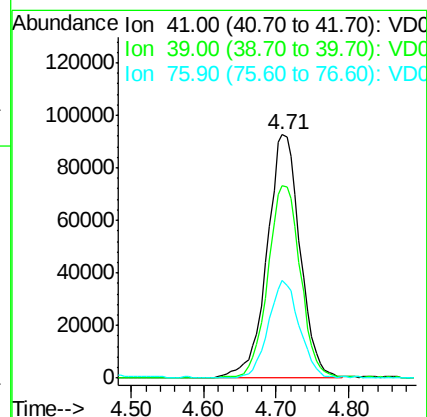
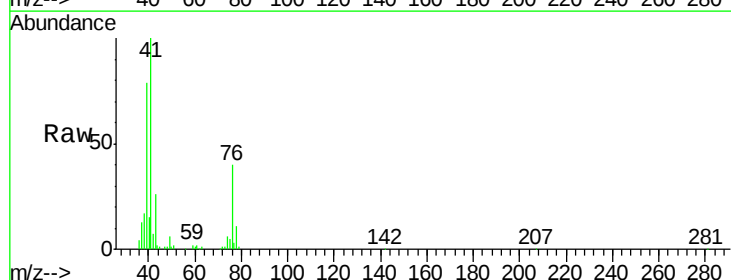
Tgt Ion: 41 Resp: 296204

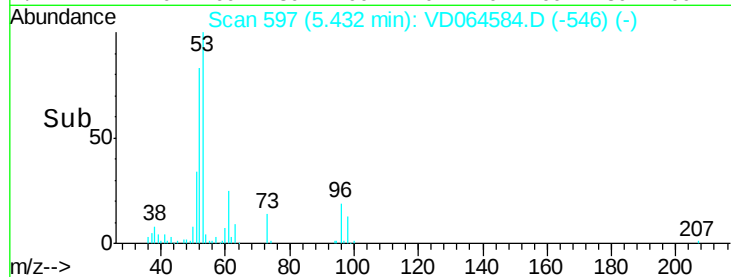
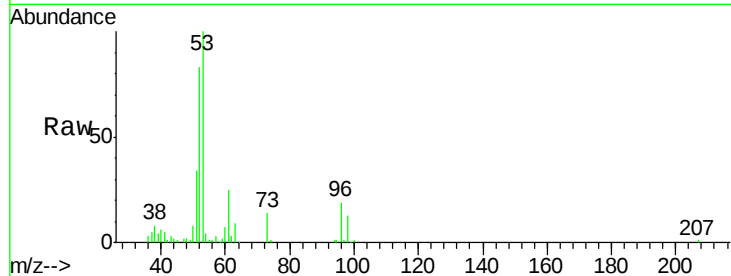
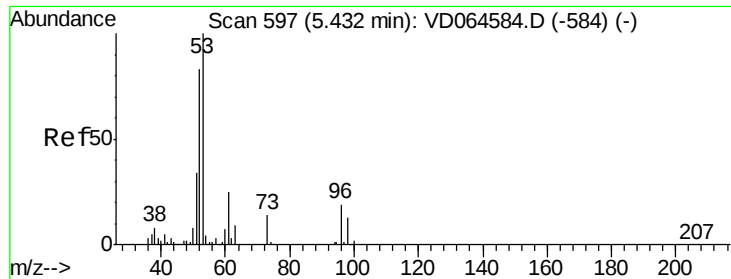
Ion Ratio Lower Upper

41 100

39 77.9 62.3 93.5

76 37.1 29.7 44.5





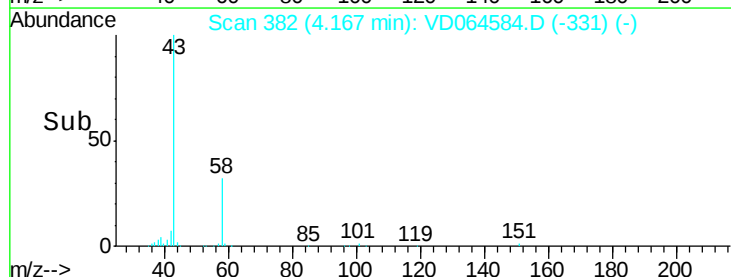
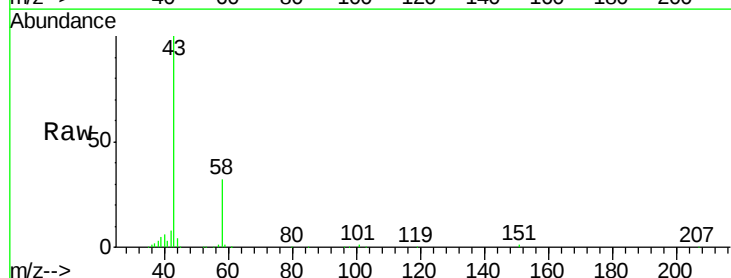
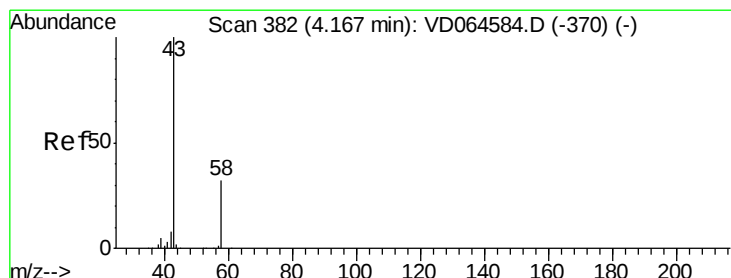
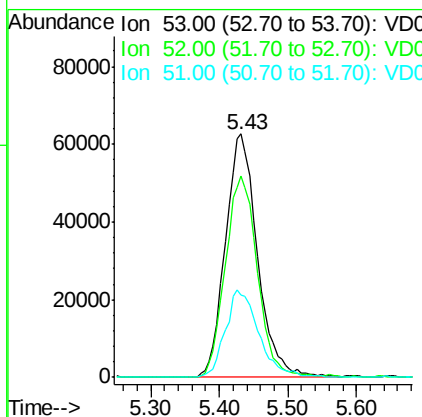
#15
Acrylonitrile
Concen: 240.317 ug/l
RT: 5.43 min Scan# 597
Delta R.T. 0.00 min
Lab File: VD064584.D
Acq: 24 Dec 2019 11:46

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.7	66.2	99.2
51	37.6	30.1	45.1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

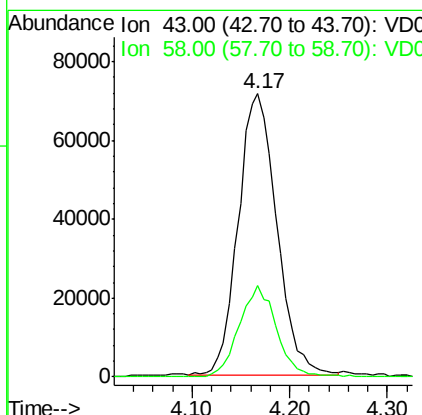
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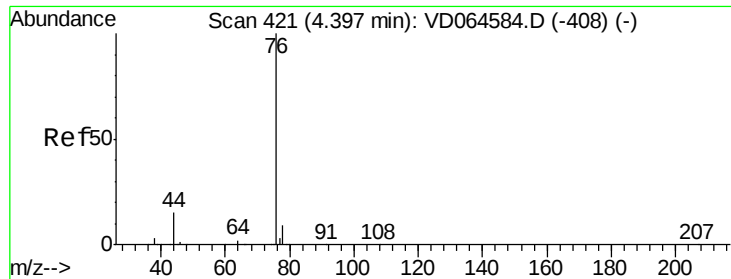
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#16
Acetone
Concen: 253.863 ug/l
RT: 4.17 min Scan# 382
Delta R.T. 0.00 min
Lab File: VD064584.D
Acq: 24 Dec 2019 11:46

Tgt Ion	Ratio	Lower	Upper
43	100		
58	32.2	25.8	38.6





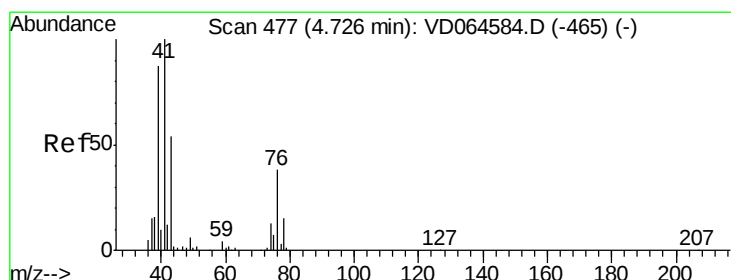
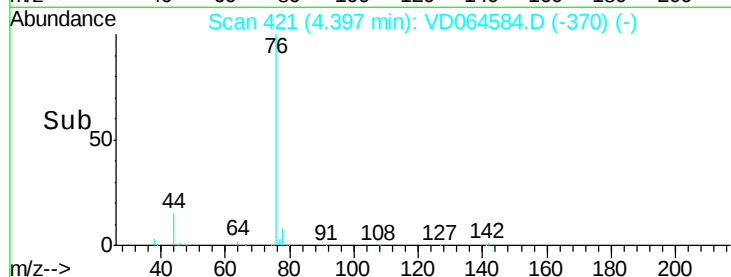
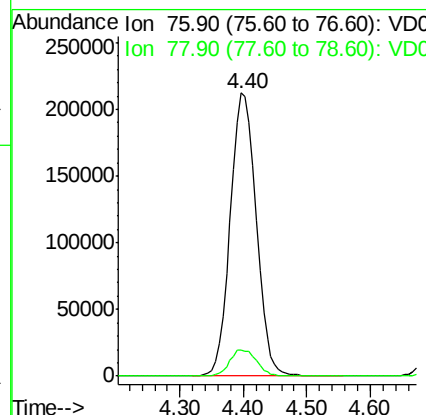
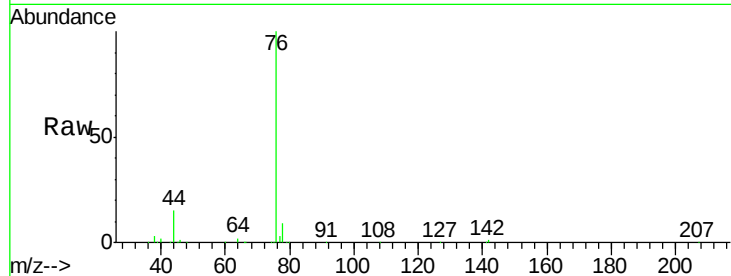
#17
Carbon Disulfide
Concen: 49.876 ug/l
RT: 4.40 min Scan# 421
Delta R.T. 0.00 min
Lab File: VD064584.D
Acq: 24 Dec 2019 11:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.3	10.9

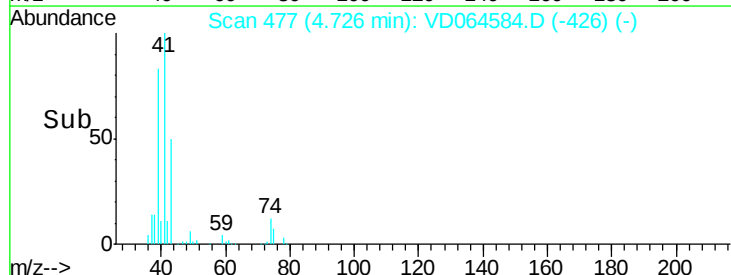
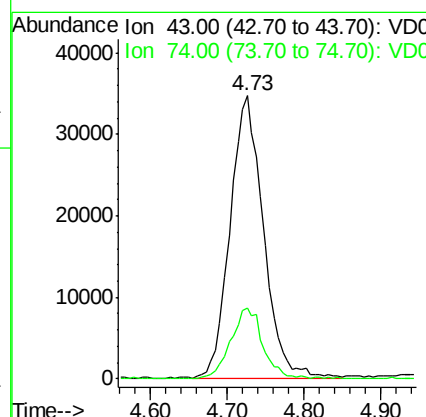
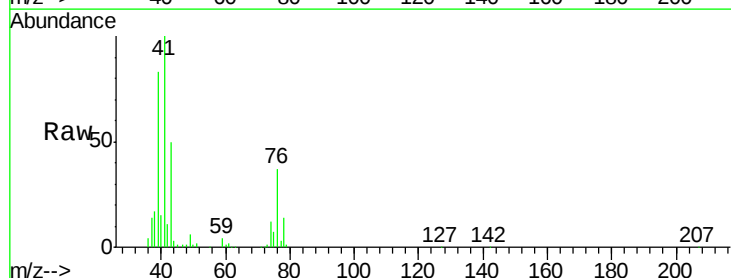
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#18
Methyl Acetate
Concen: 46.717 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.00 min
Lab File: VD064584.D
Acq: 24 Dec 2019 11:46

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.0	19.2	28.8





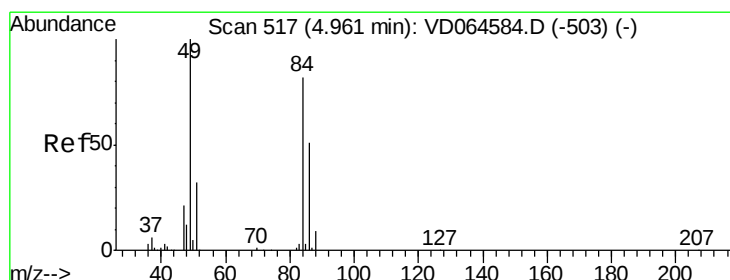
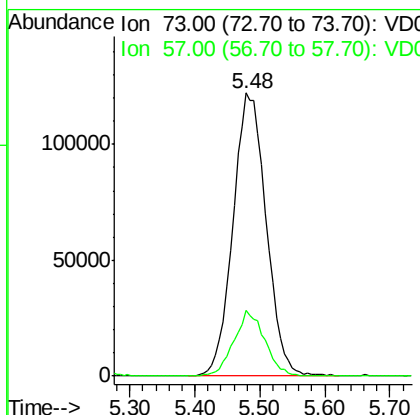
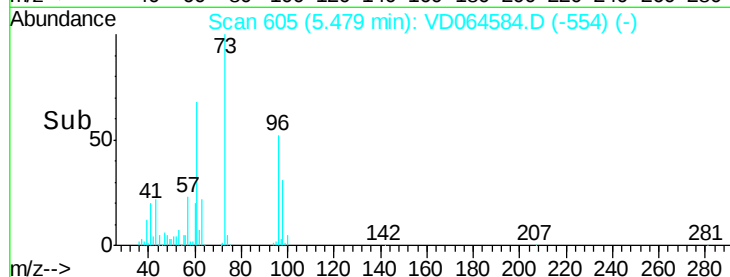
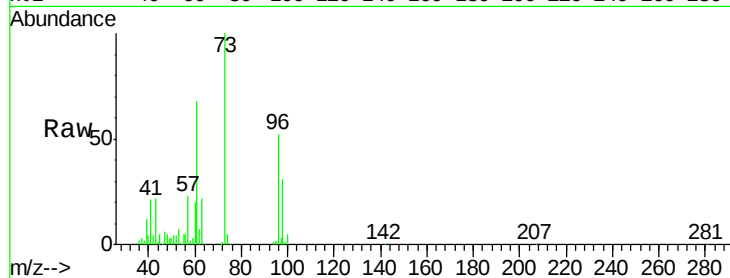
#19
Methvl tert-butvl Ether
Concen: 49.309 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.00 min
Lab File: VD064584.D
Acq: 24 Dec 2019 11:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 73 Resp: 431518
Ion Ratio Lower Upper
73 100
57 23.2 18.6 27.8

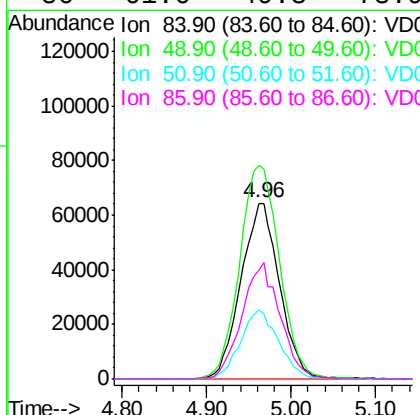
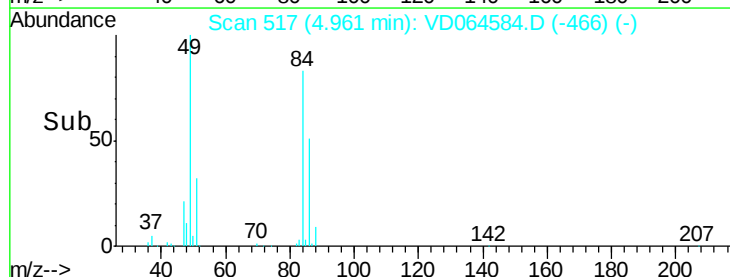
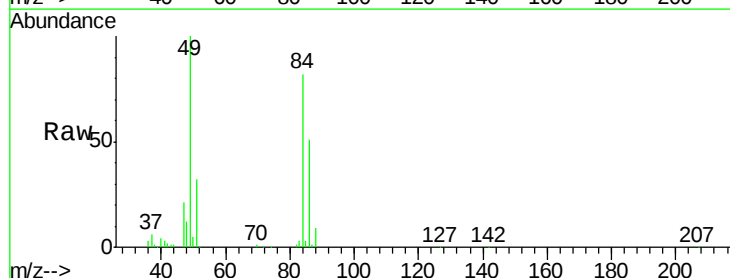
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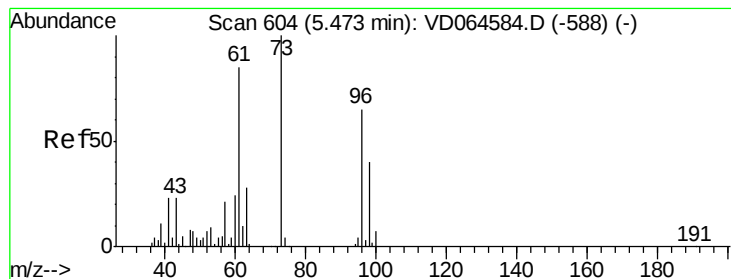
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#20
Methylene Chloride
Concen: 45.842 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064584.D
Acq: 24 Dec 2019 11:46

Tgt Ion: 84 Resp: 204711
Ion Ratio Lower Upper
84 100
49 121.5 97.2 145.8
51 39.2 31.4 47.0
86 61.6 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 49.208 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD064584.D

Acq: 24 Dec 2019 11:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 96 Resp: 213074

Ion Ratio Lower Upper

96 100

61 130.9 104.7 157.1

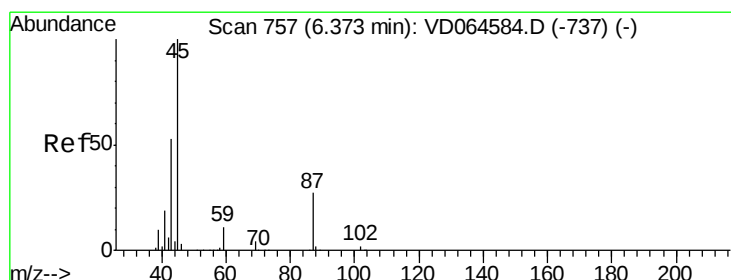
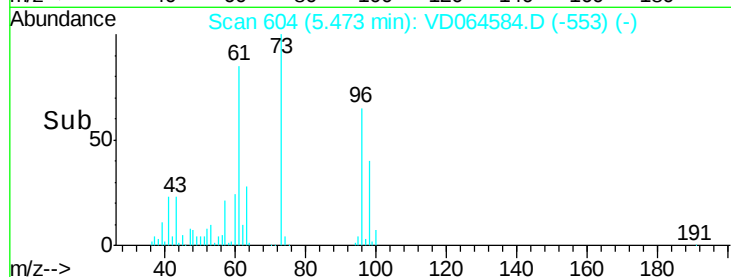
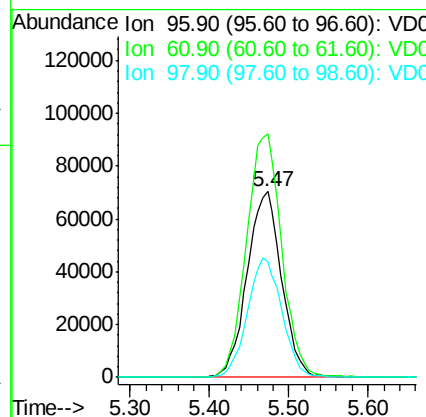
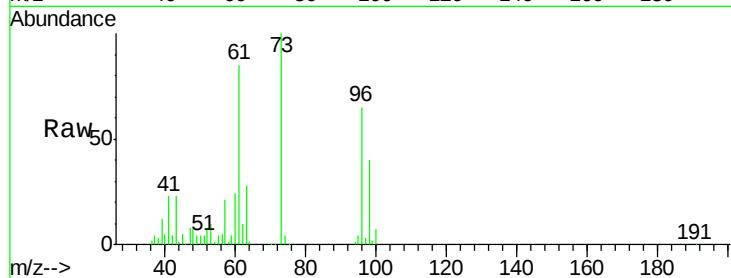
98 61.8 49.4 74.2

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#22

Diisopropyl ether

Concen: 50.567 ug/l

RT: 6.37 min Scan# 757

Delta R.T. 0.00 min

Lab File: VD064584.D

Acq: 24 Dec 2019 11:46

Tgt Ion: 45 Resp: 598239

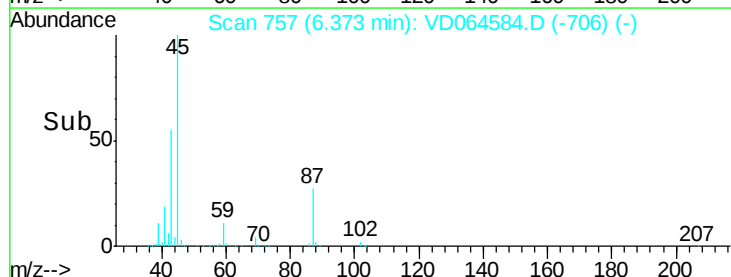
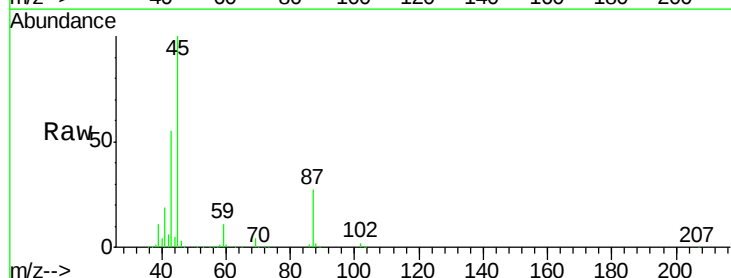
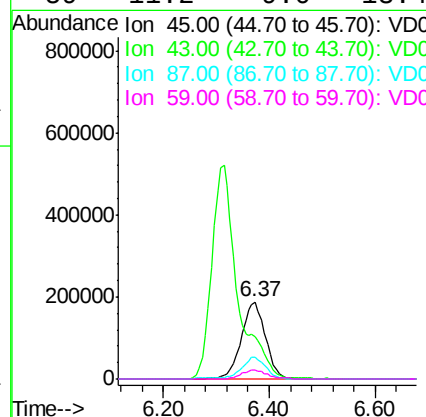
Ion Ratio Lower Upper

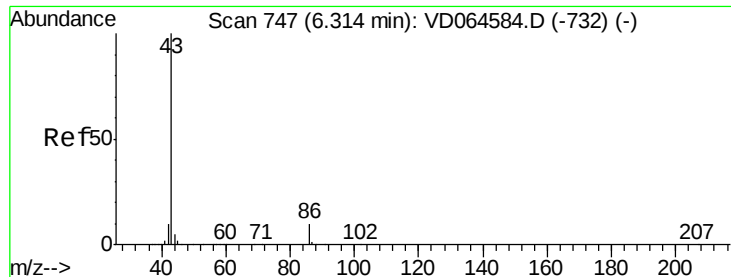
45 100

43 54.0 43.2 64.8

87 27.4 21.9 32.9

59 11.2 9.0 13.4





#23

Vinyl Acetate

Concen: 254.335 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD064584.D

Acq: 24 Dec 2019 11:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 1766195

Ion Ratio Lower Upper

43 100

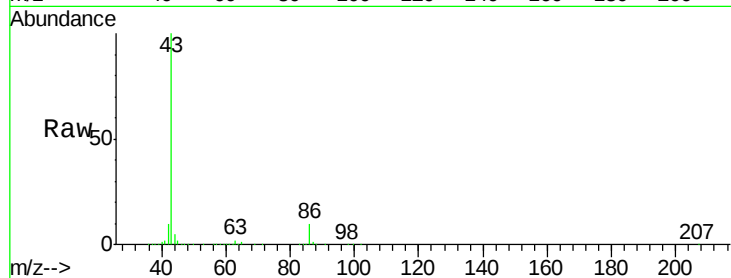
86 10.4 8.3 12.5

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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

500000

400000

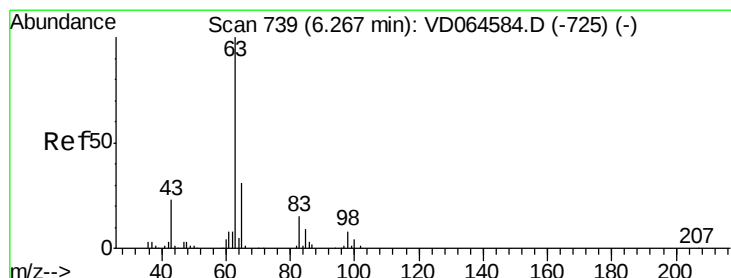
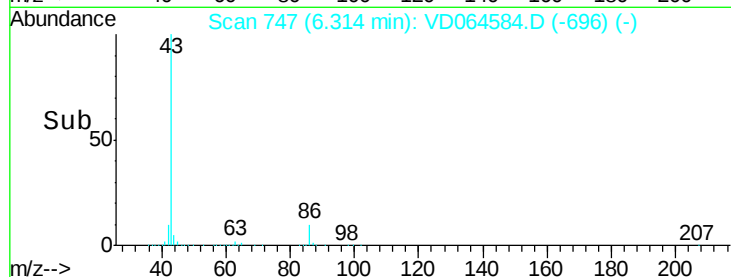
300000

200000

100000

0

Time--> 6.10 6.20 6.30 6.40 6.50



#24

1,1-Dichloroethane

Concen: 50.008 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD064584.D

Acq: 24 Dec 2019 11:46

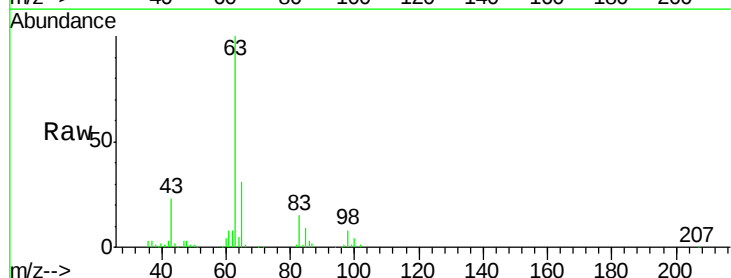
Tgt Ion: 63 Resp: 354828

Ion Ratio Lower Upper

63 100

98 8.2 4.1 12.3

100 4.4 2.2 6.6



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

6.27

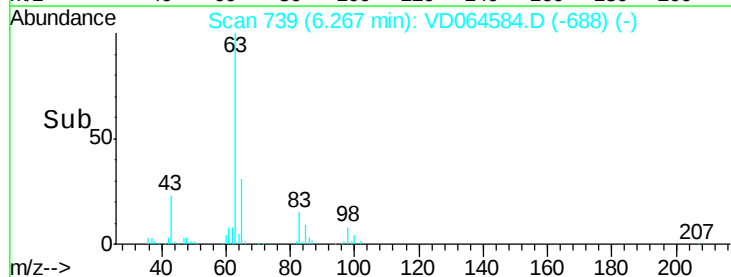
150000

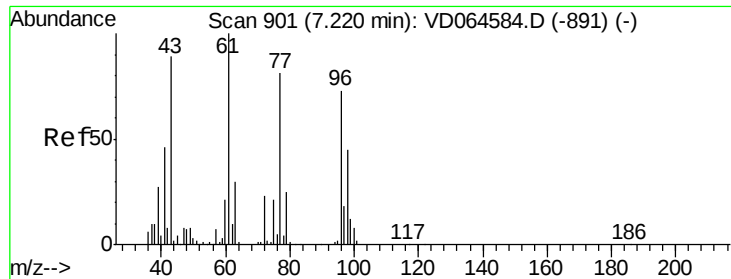
100000

50000

0

Time--> 6.10 6.20 6.30 6.40





#25

2-Butanone

Concen: 245.728 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064584.D

Acq: 24 Dec 2019 11:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 268650

Ion Ratio Lower Upper

43 100

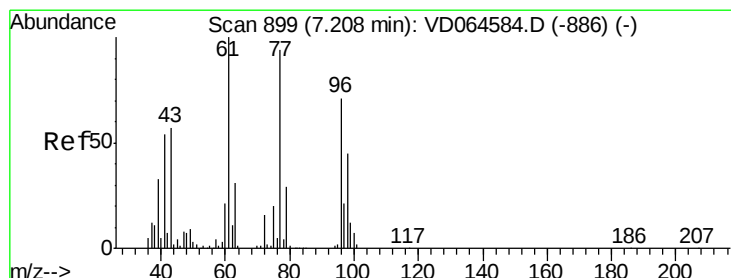
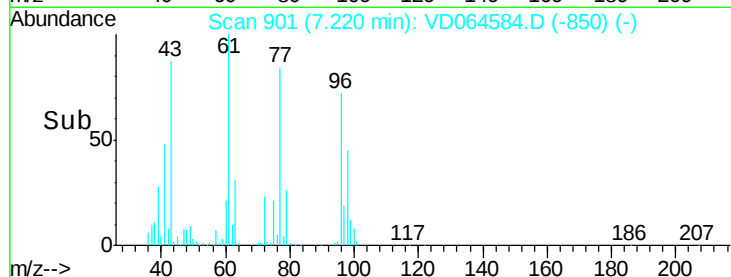
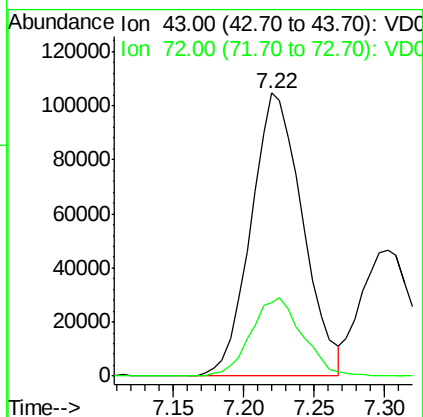
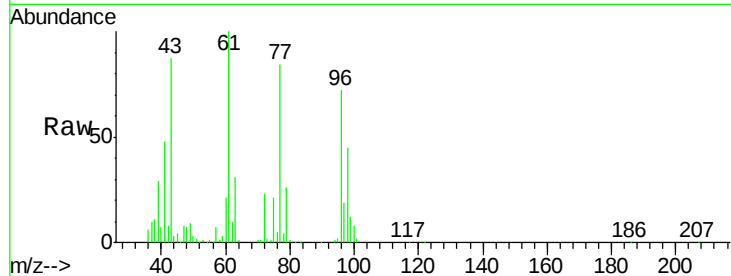
72 25.9 20.7 31.1

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#26

2,2-Dichloropropane

Concen: 52.329 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD064584.D

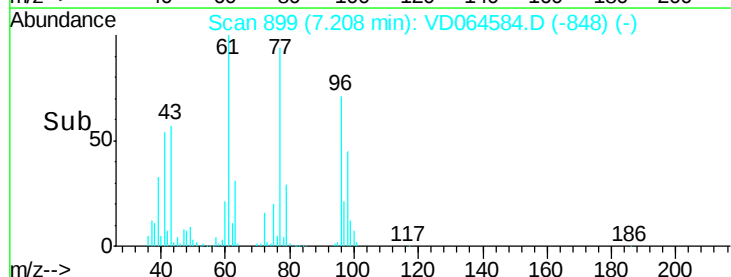
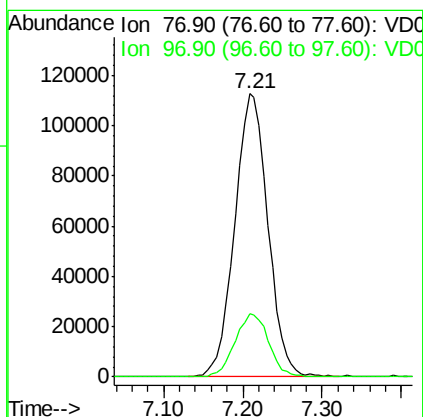
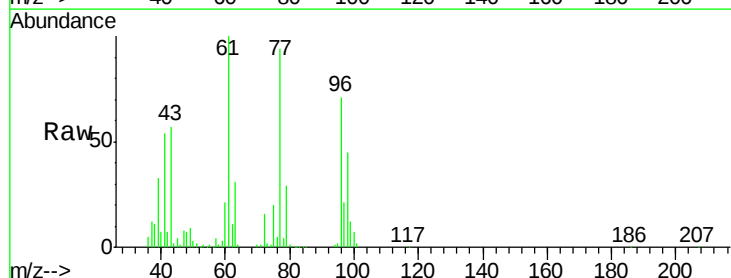
Acq: 24 Dec 2019 11:46

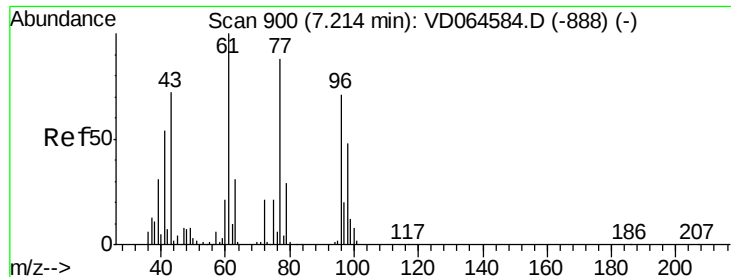
Tgt Ion: 77 Resp: 326922

Ion Ratio Lower Upper

77 100

97 22.4 11.2 33.6





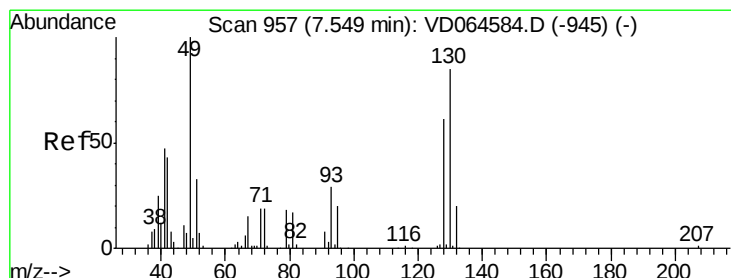
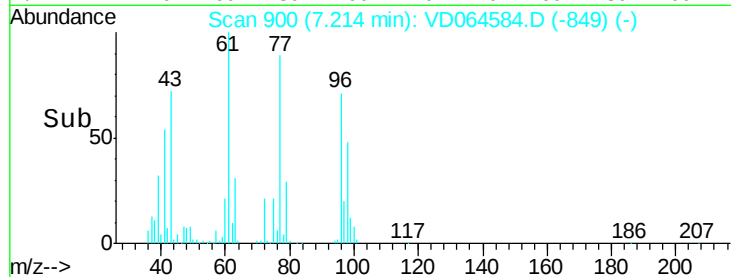
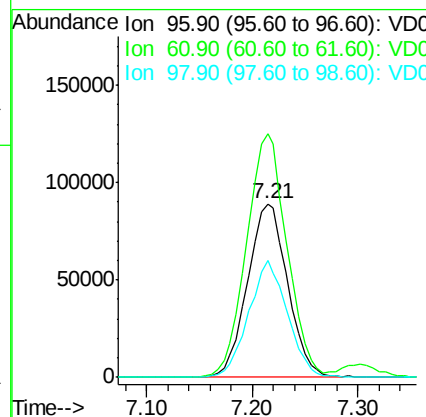
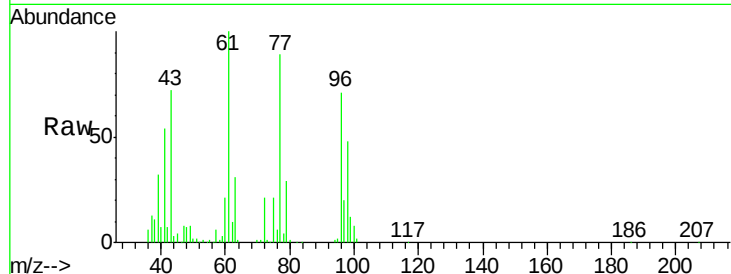
#27
 cis-1,2-Dichloroethene
 Concen: 49.677 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD064584.D
 Acq: 24 Dec 2019 11:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	234660		
61	141.3	0.0	282.6	
98	65.4	0.0	130.8	

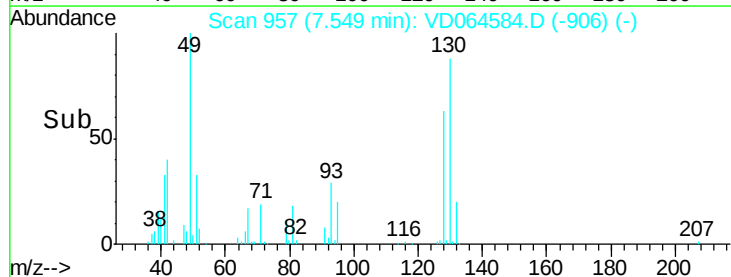
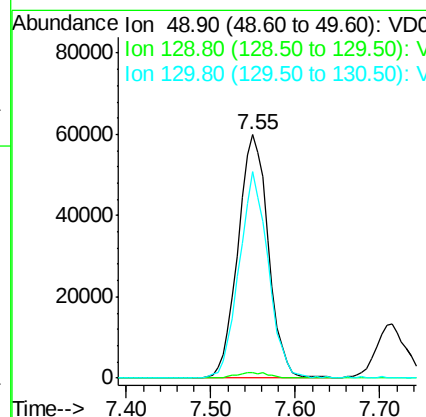
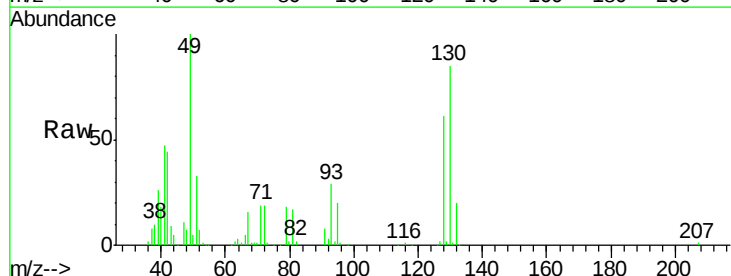
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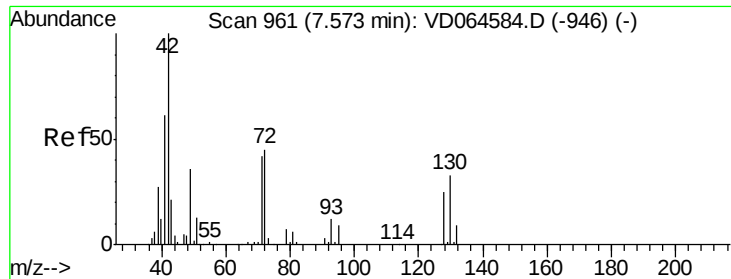
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#28
 Bromochloromethane
 Concen: 59.517 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD064584.D
 Acq: 24 Dec 2019 11:46

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	148427		
129	2.4	0.0	4.8	
130	81.3	65.0	97.6	





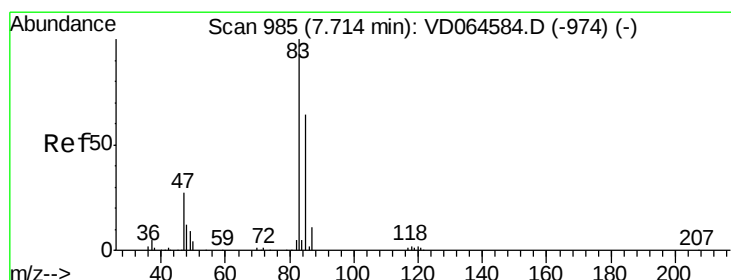
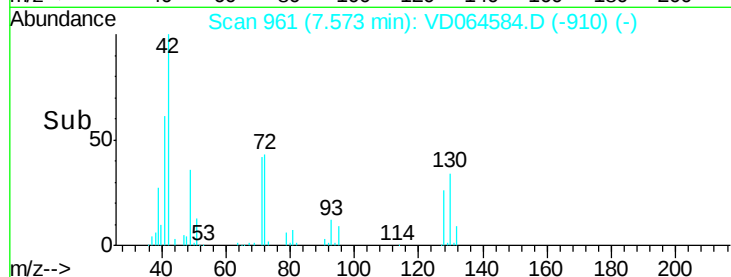
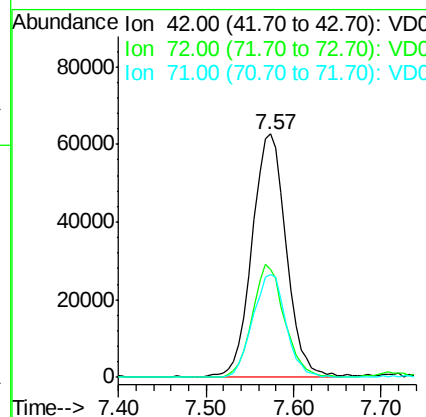
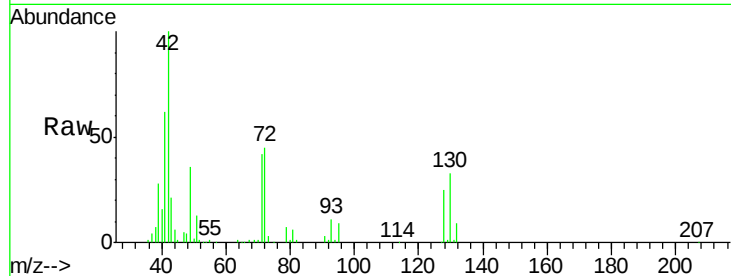
#29
Tetrahydrofuran
Concen: 240.179 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD064584.D
Acq: 24 Dec 2019 11:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.7	35.0	52.4
71	41.1	32.9	49.3

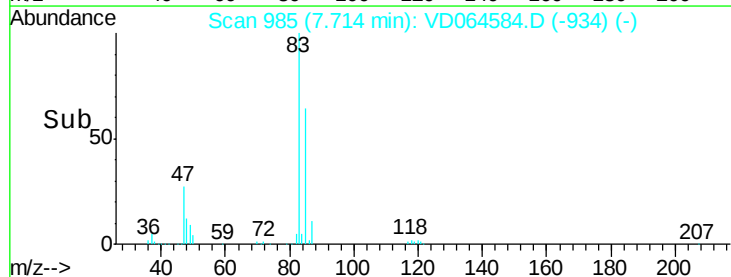
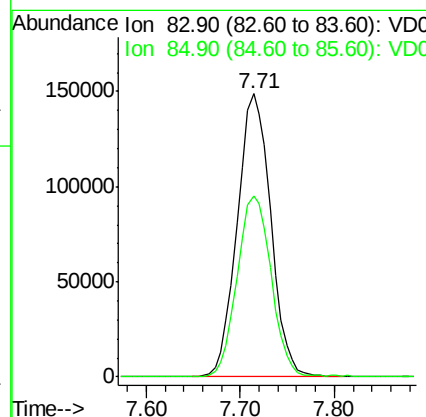
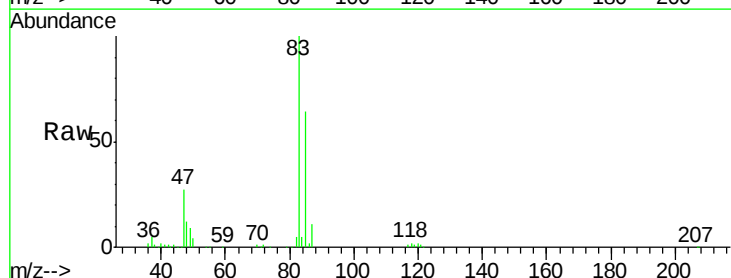
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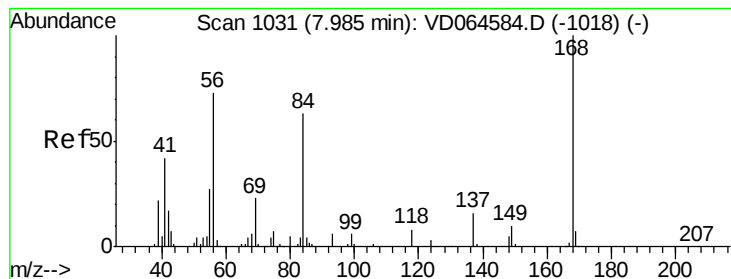
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#30
Chloroform
Concen: 50.154 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064584.D
Acq: 24 Dec 2019 11:46

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.1	76.7





#31

Cyclohexane

Concen: 48.125 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064584.D

Acq: 24 Dec 2019 11:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 336698

Ion Ratio Lower Upper

56 100

69 30.9 24.7 37.1

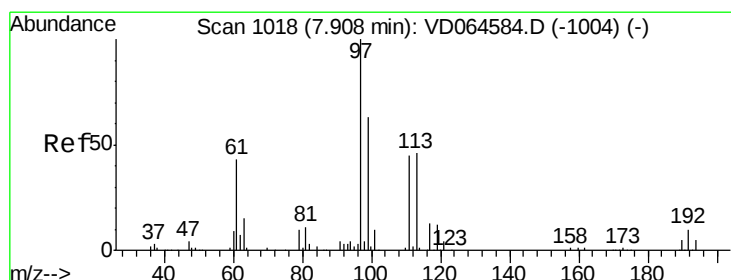
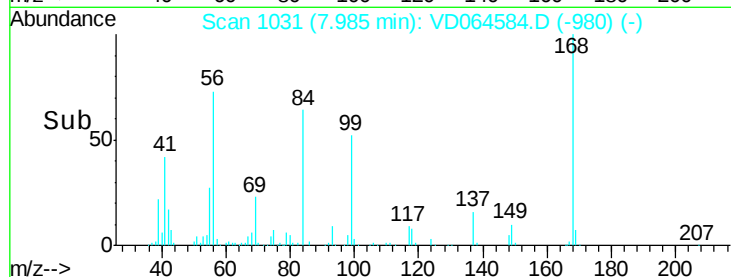
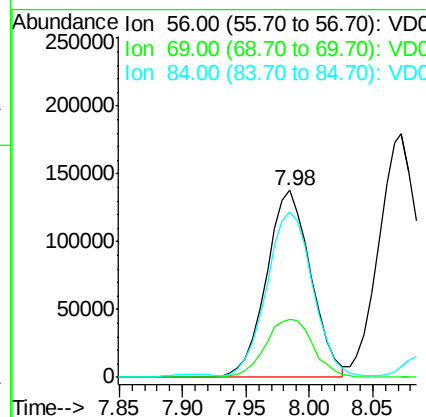
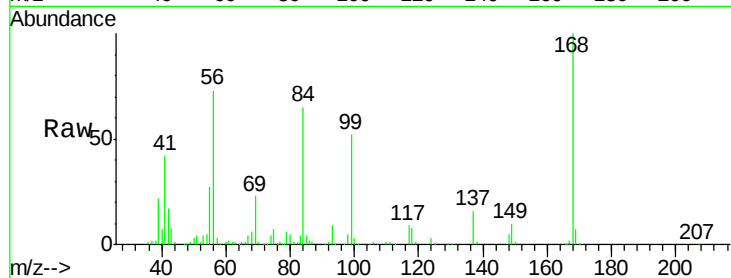
84 86.8 69.4 104.2

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#32

1,1,1-Trichloroethane

Concen: 50.640 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VD064584.D

Acq: 24 Dec 2019 11:46

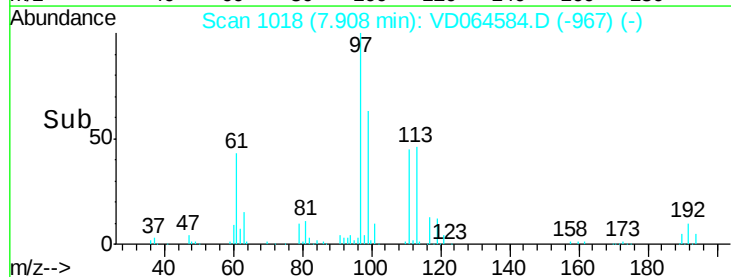
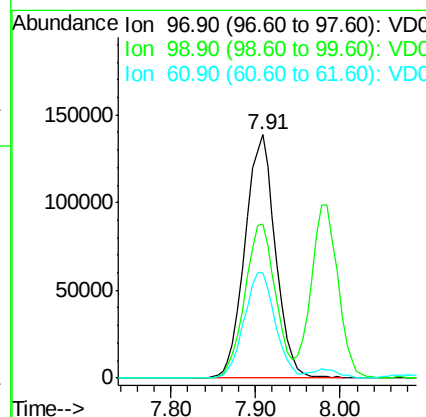
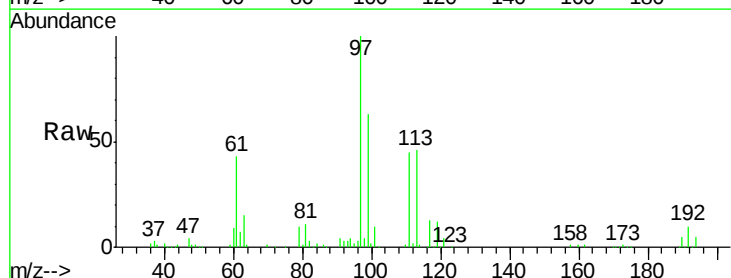
Tgt Ion: 97 Resp: 346737

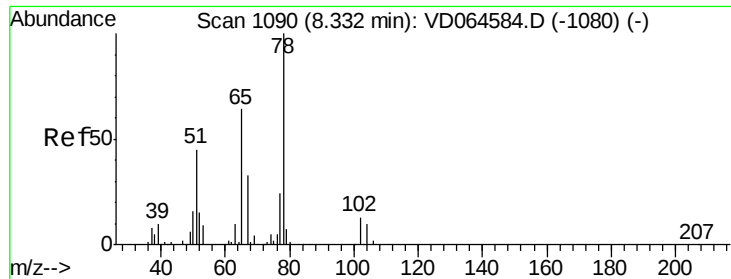
Ion Ratio Lower Upper

97 100

99 63.8 51.0 76.6

61 44.2 35.4 53.0





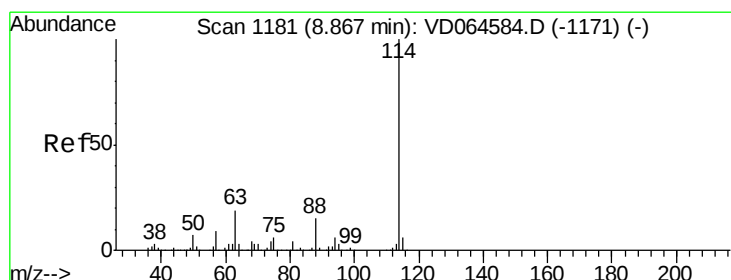
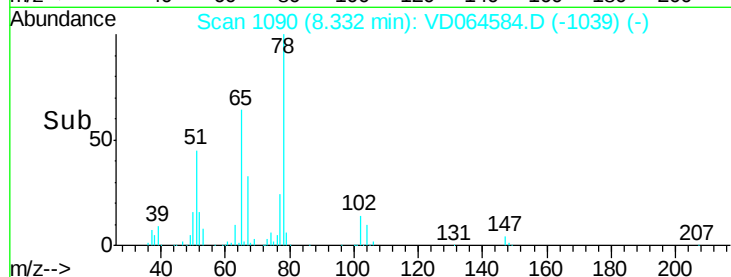
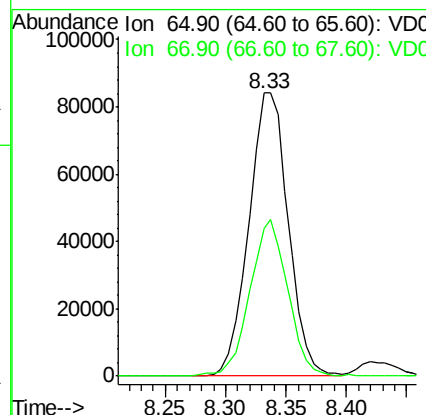
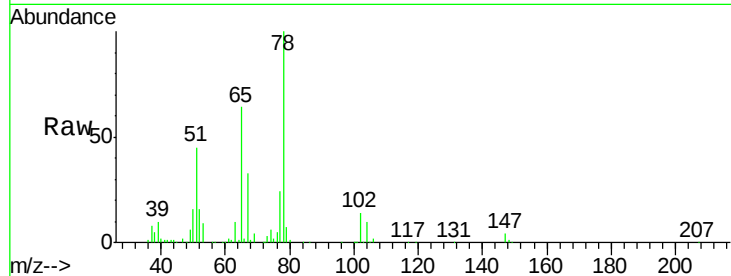
#33
 1,2-Dichloroethane-d4
 Concen: 49.606 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD064584.D
 Acq: 24 Dec 2019 11:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	191867		
67	53.1	0.0	106.2	

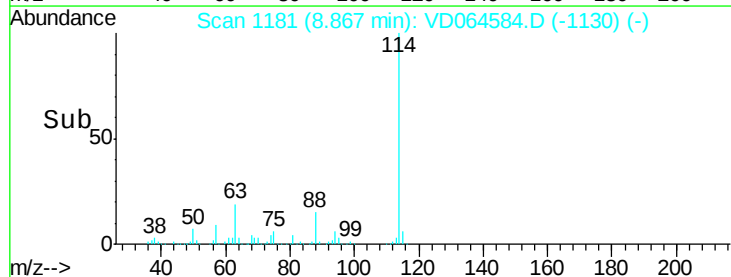
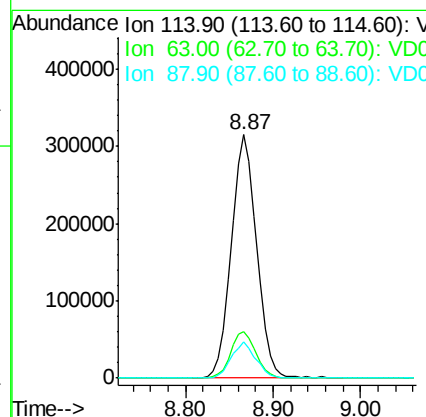
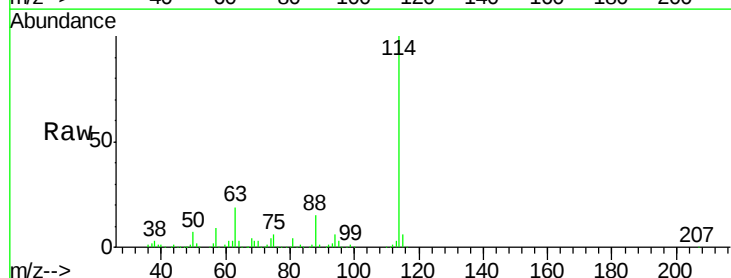
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064584.D
 Acq: 24 Dec 2019 11:46

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	622428		
63	19.0	0.0	38.0	
88	14.6	0.0	29.2	





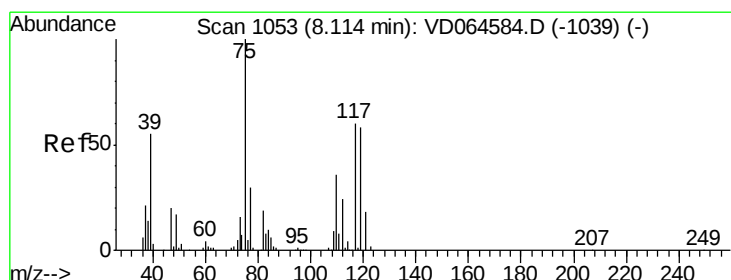
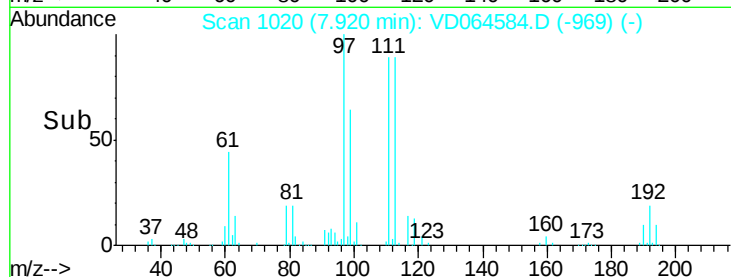
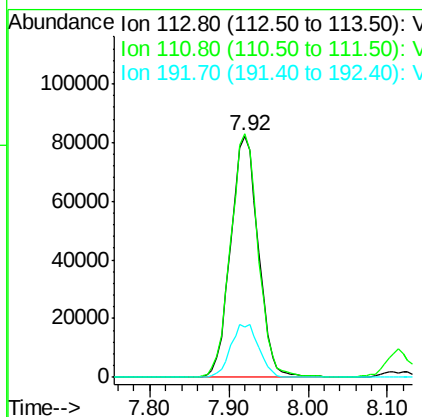
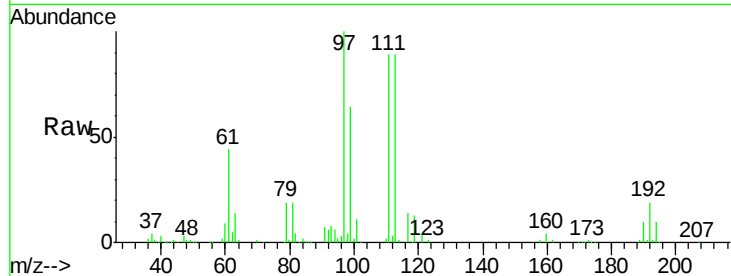
#35
 Dibromofluoromethane
 Concen: 50.464 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064584.D
 Acq: 24 Dec 2019 11:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	198444		
111	100.8	80.6	121.0	
192	22.4	17.9	26.9	

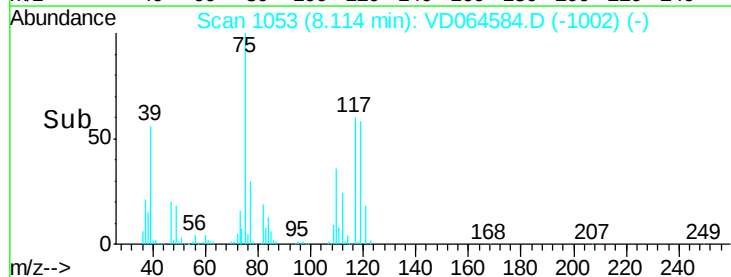
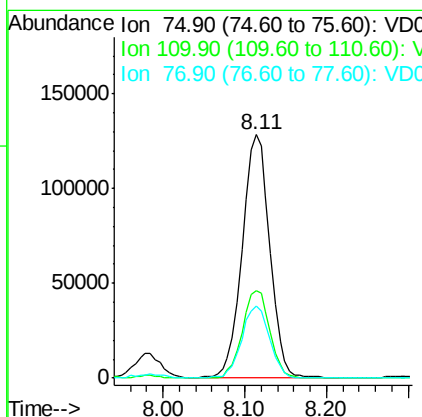
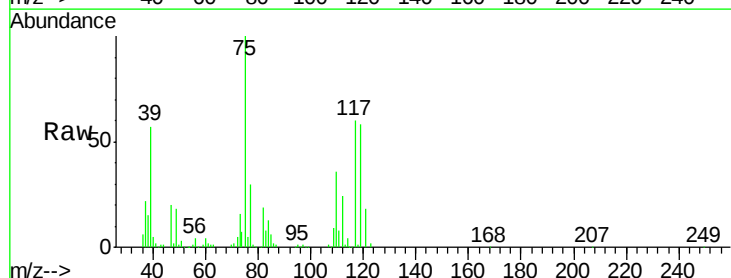
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#36
 1,1-Dichloropropene
 Concen: 50.748 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064584.D
 Acq: 24 Dec 2019 11:46

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	300931		
110	36.1	18.1	54.1	
77	30.3	24.2	36.4	





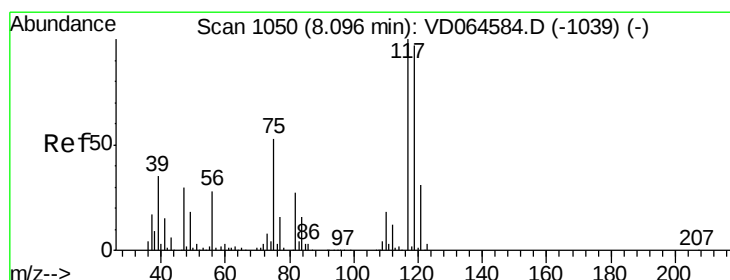
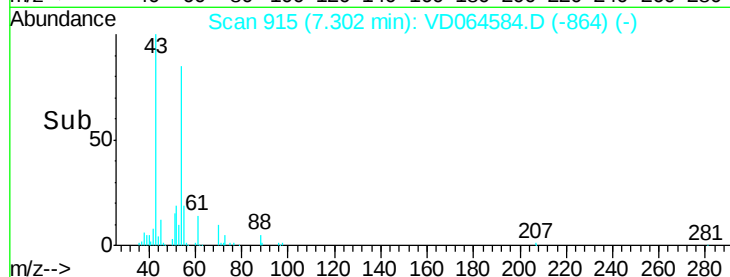
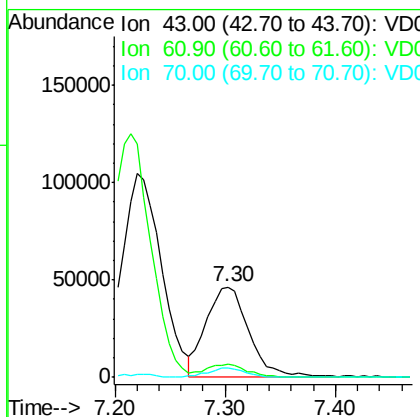
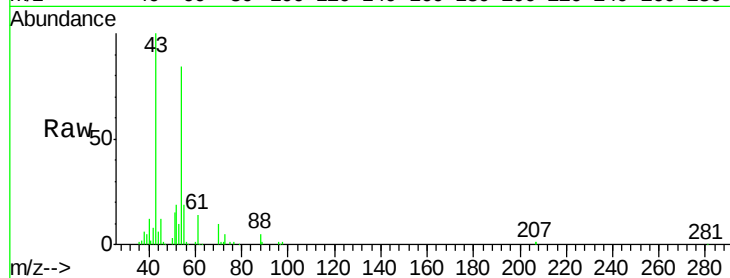
#37
Ethyl Acetate
Concen: 49.541 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD064584.D
Acq: 24 Dec 2019 11:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.9	10.3	15.5
70	9.5	7.6	11.4

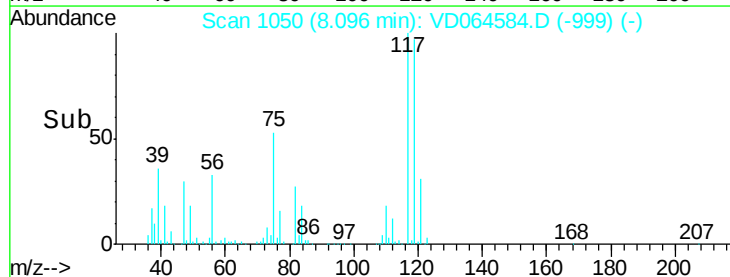
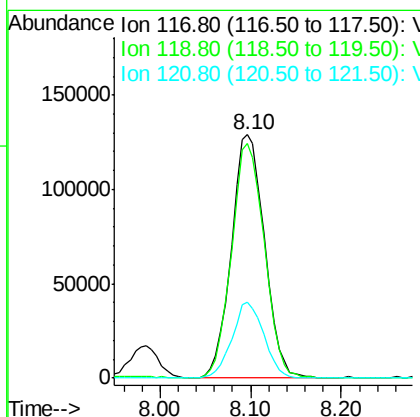
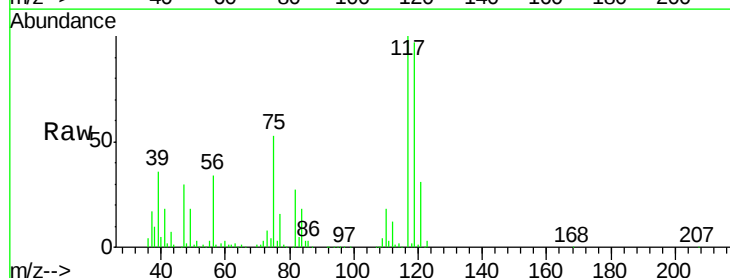
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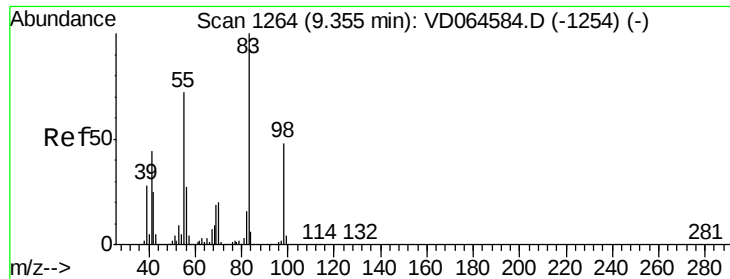
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#38
Carbon Tetrachloride
Concen: 52.251 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064584.D
Acq: 24 Dec 2019 11:46

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.6	77.3	115.9
121	31.3	25.0	37.6





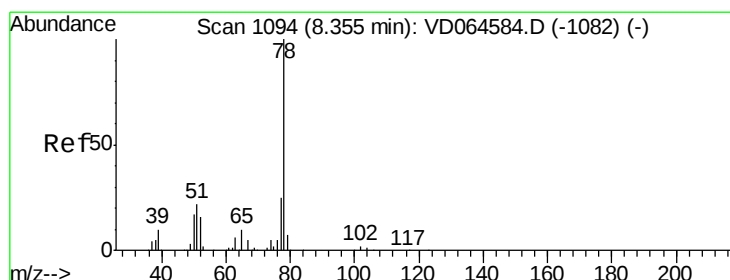
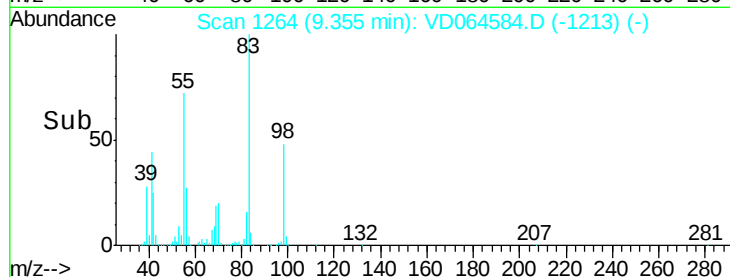
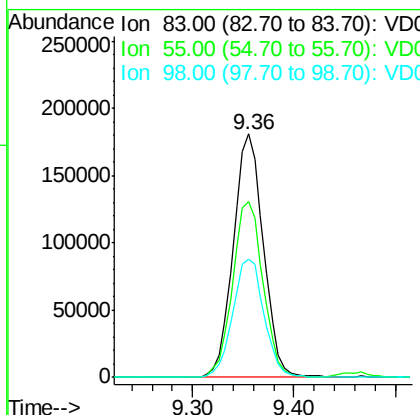
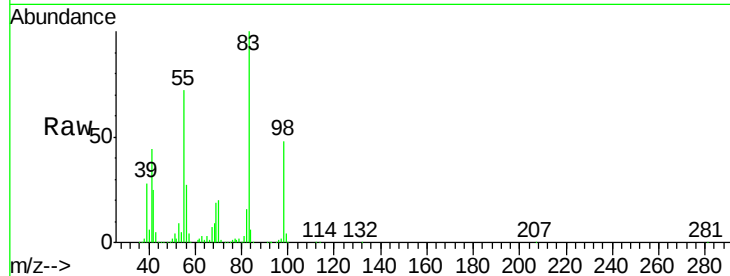
#39
Methvlcvclohexane
Concen: 50.932 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064584.D
Acq: 24 Dec 2019 11:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.2	57.8	86.6
98	48.4	38.7	58.1

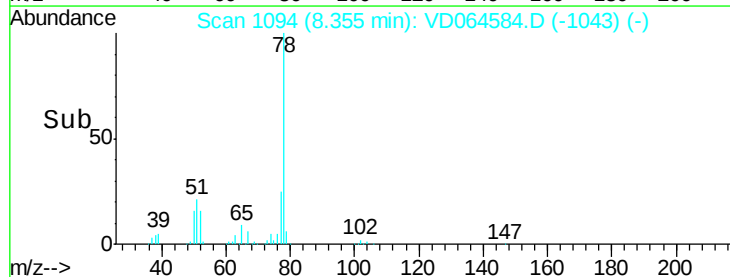
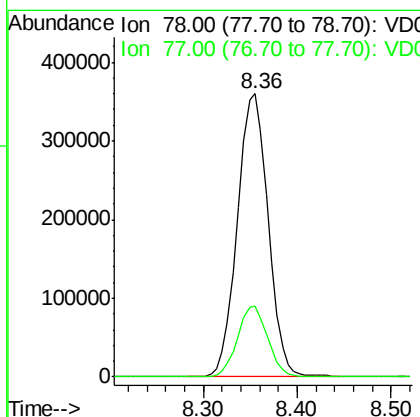
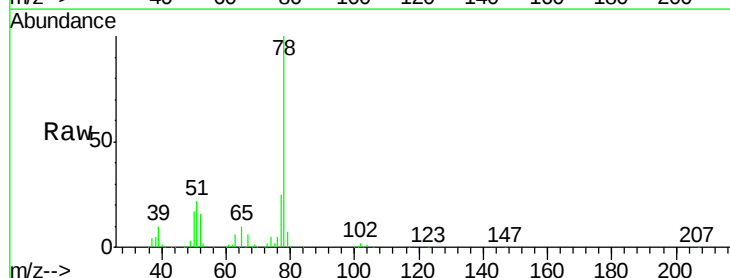
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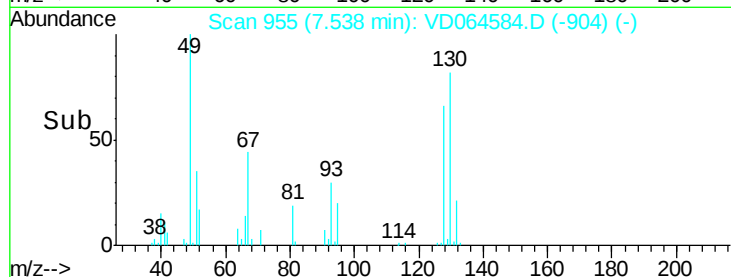
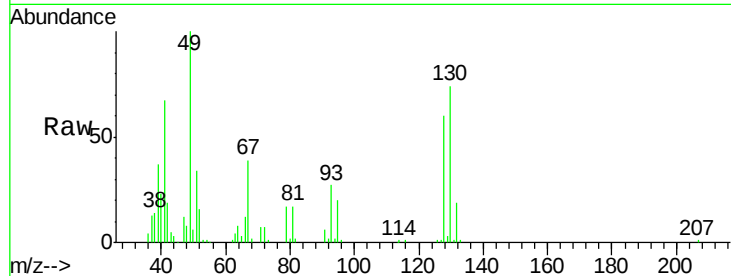
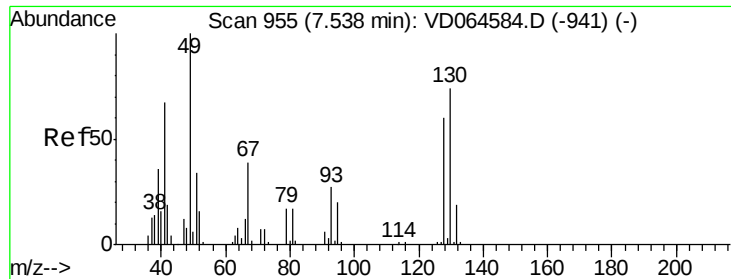
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#40
Benzene
Concen: 50.214 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD064584.D
Acq: 24 Dec 2019 11:46

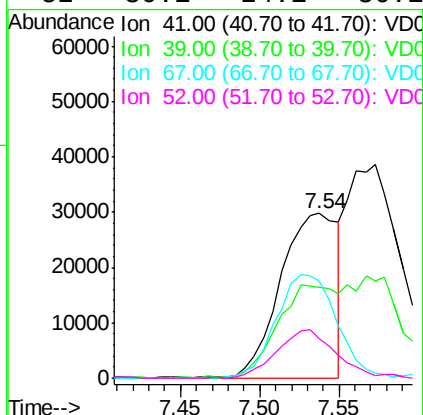
Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.9	19.9	29.9





#41
Methacrylonitrile
Concen: 53.557 ug/l
RT: 7.54 min Scan# 955
Delta R.T. 0.00 min
Lab File: VD064584.D
Acq: 24 Dec 2019 11:46

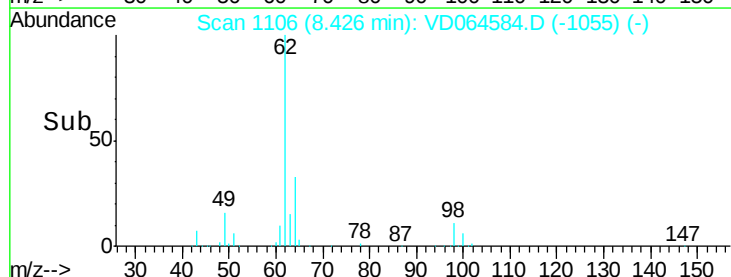
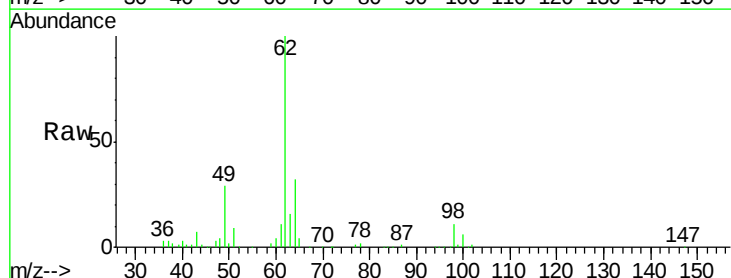
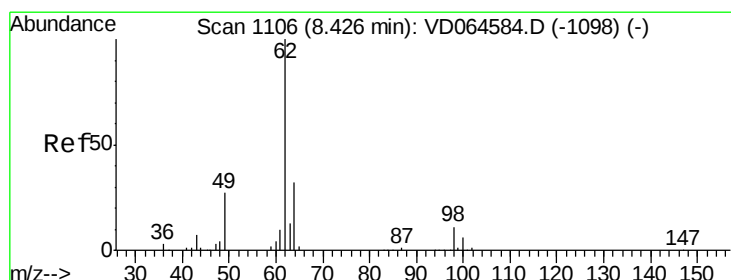
Tot Ion	Ratio	Lower	Upper
41	100		
39	58.4	46.7	70.1
67	65.6	52.5	78.7
52	30.1	24.1	36.1



Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

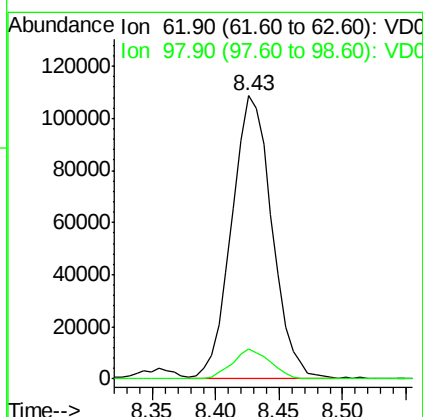
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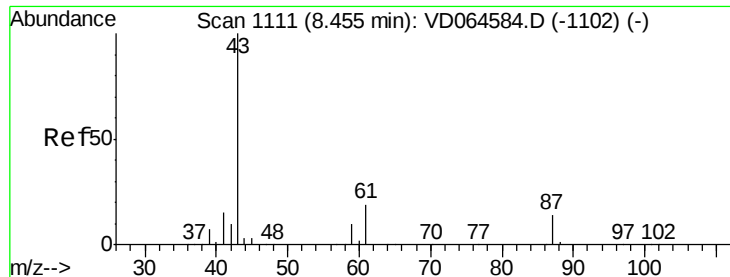
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#42
1,2-Dichloroethane
Concen: 49.960 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD064584.D
Acq: 24 Dec 2019 11:46

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	20.0





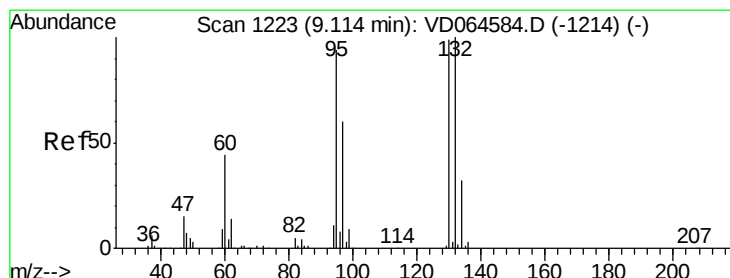
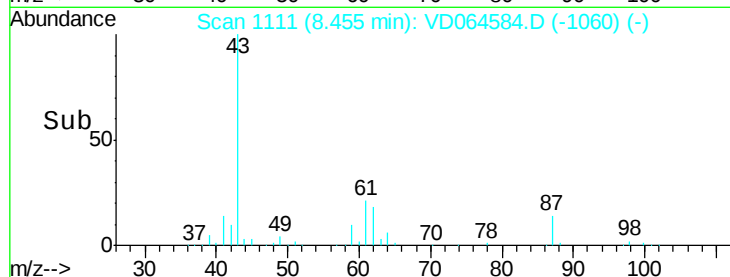
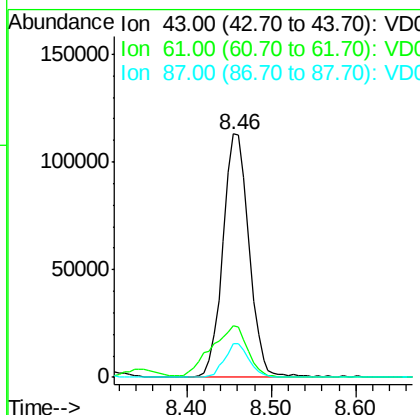
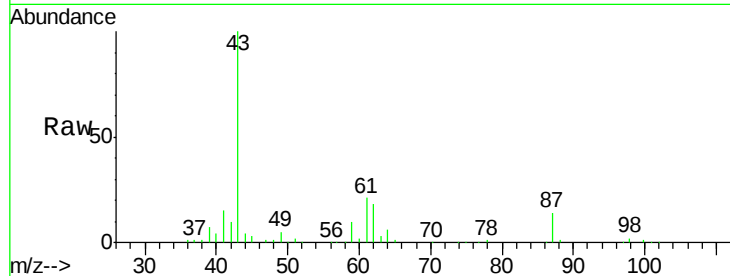
#43
Isopropyl Acetate
Concen: 49.595 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD064584.D
Acq: 24 Dec 2019 11:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.6	23.7	35.5
87	13.1	10.5	15.7

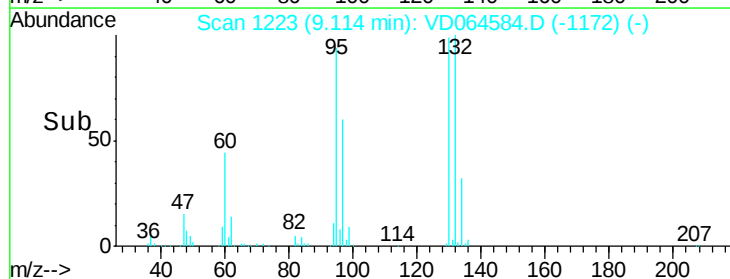
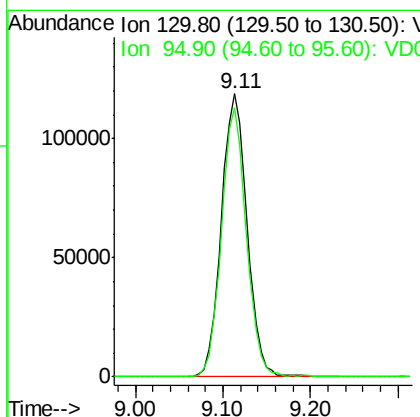
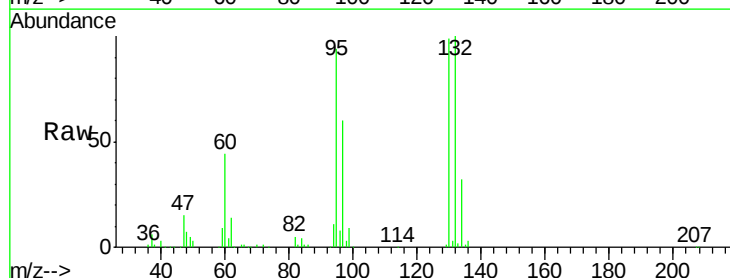
Manual Integrations
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#44
Trichloroethene
Concen: 48.928 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD064584.D
Acq: 24 Dec 2019 11:46

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.1	0.0	190.2





#45

1,2-Dichloropropane

Concen: 50.596 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD064584.D

Acq: 24 Dec 2019 11:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 63 Resp: 197055

Ion Ratio Lower Upper

63 100

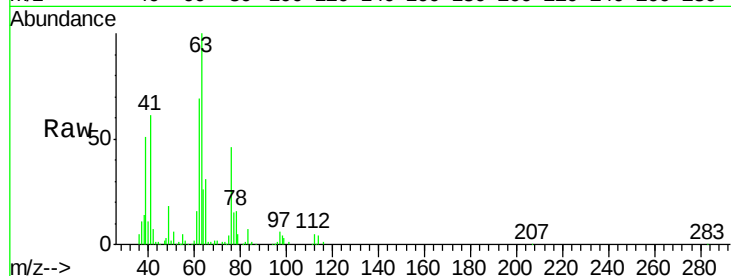
65 31.5 25.2 37.8

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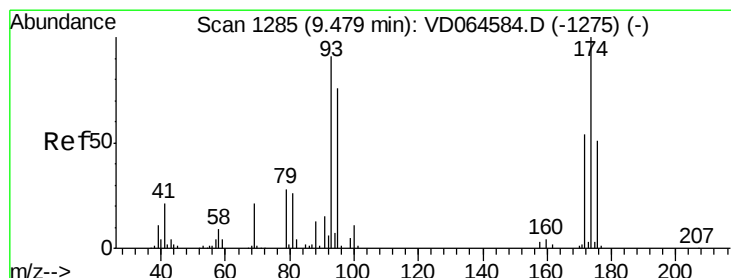
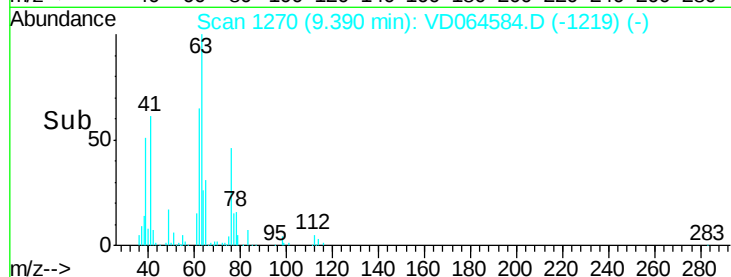
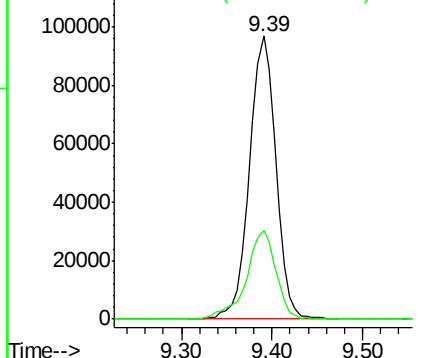
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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 50.758 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD064584.D

Acq: 24 Dec 2019 11:46

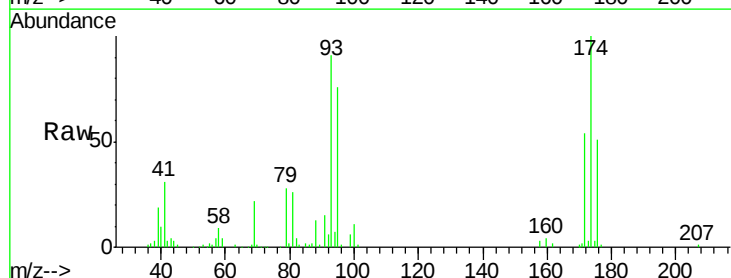
Tgt Ion: 93 Resp: 111953

Ion Ratio Lower Upper

93 100

95 80.8 64.6 97.0

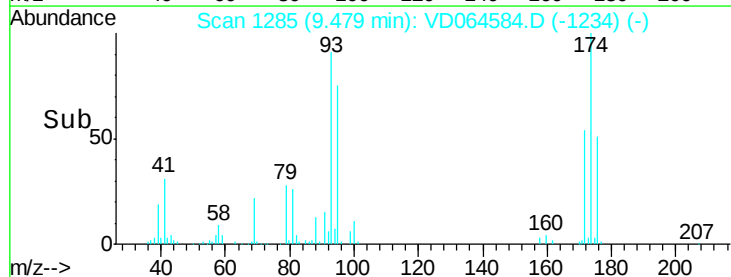
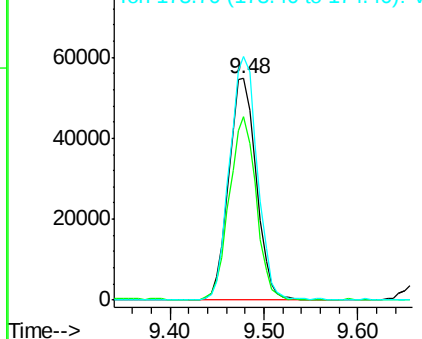
174 110.1 88.1 132.1

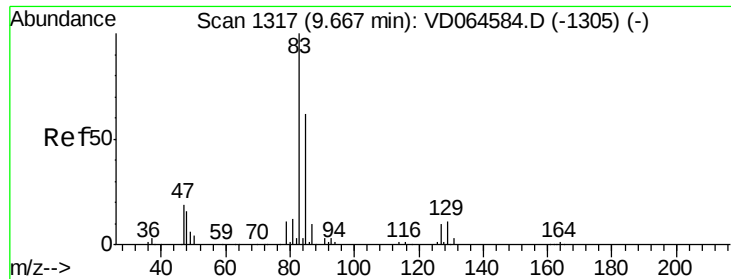


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): VDC





#47

Bromodichloromethane

Concen: 51.817 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD064584.D

Acq: 24 Dec 2019 11:46

Instrument :

MSVOA_D

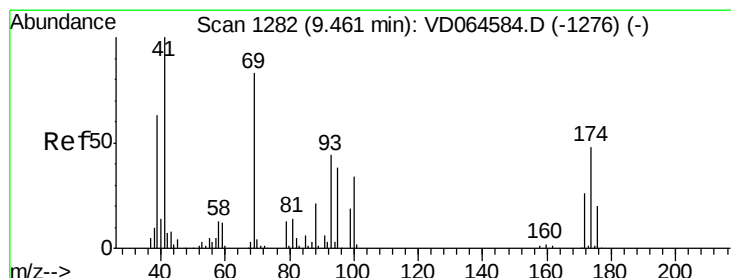
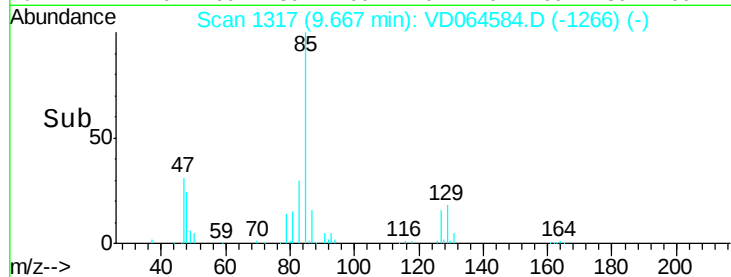
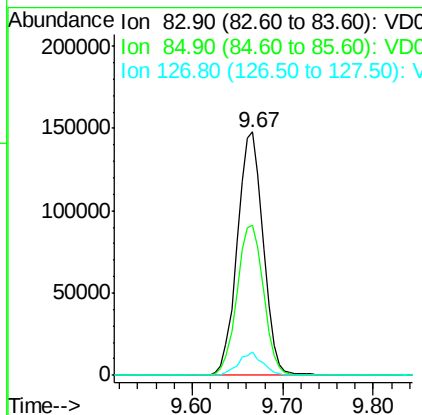
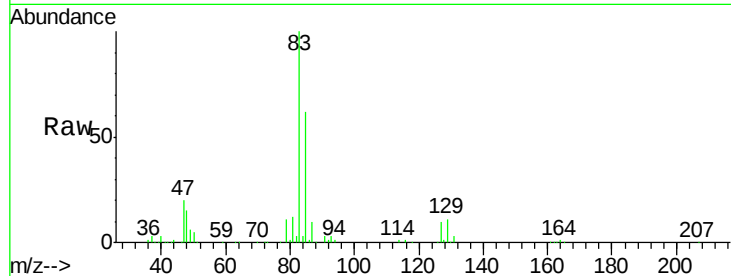
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	294136
Ion Ratio	Lower	Upper	
83	100		
85	61.9	49.5	74.3
127	9.7	7.8	11.6

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#48

Methyl methacrylate

Concen: 52.666 ug/l

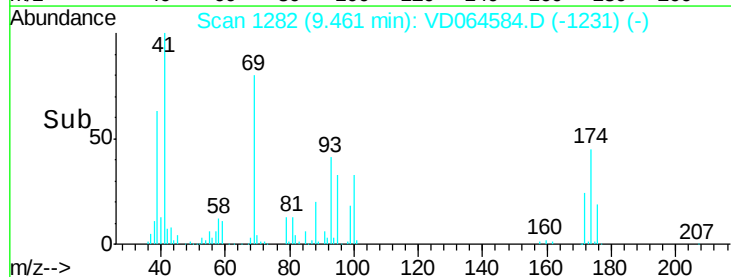
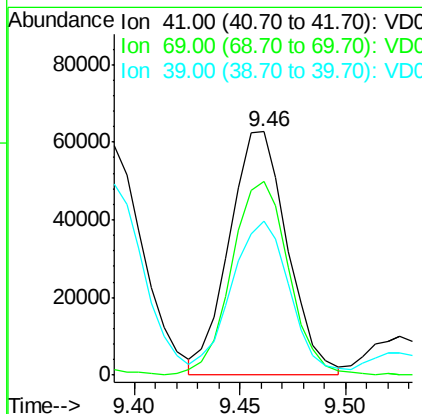
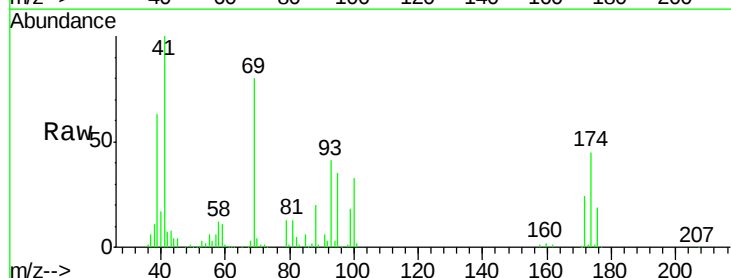
RT: 9.46 min Scan# 1282

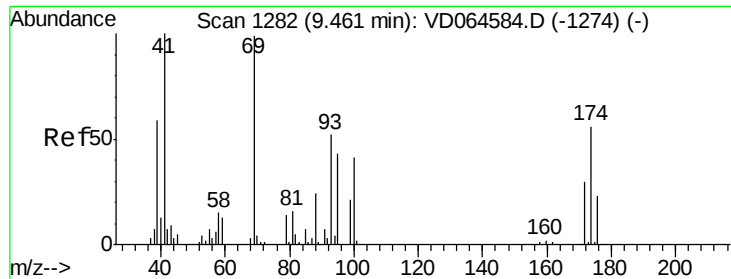
Delta R.T. 0.00 min

Lab File: VD064584.D

Acq: 24 Dec 2019 11:46

Tgt Ion:	41	Resp:	119225
Ion Ratio	Lower	Upper	
41	100		
69	78.8	63.0	94.6
39	59.3	47.4	71.2





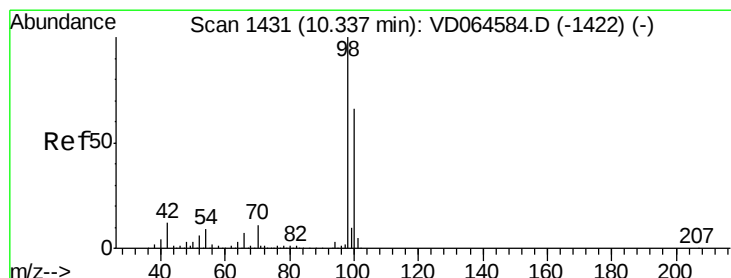
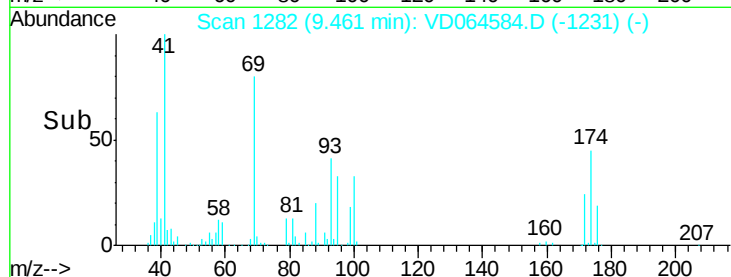
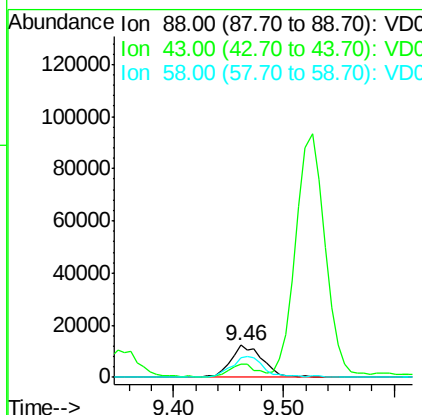
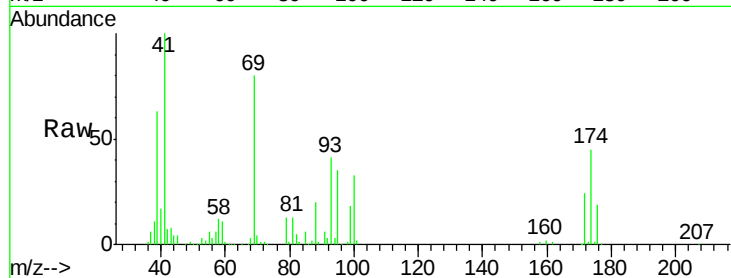
#49
1,4-Dioxane
Concen: 927.598 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD064584.D
Acq: 24 Dec 2019 11:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	88	Resp	25111
Ion	Ratio	Lower	Upper
88	100		
43	34.6	27.7	41.5
58	67.2	53.8	80.6

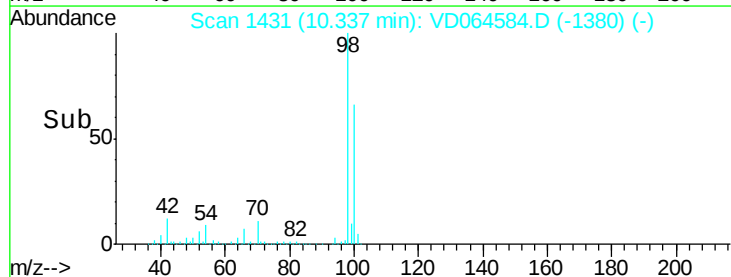
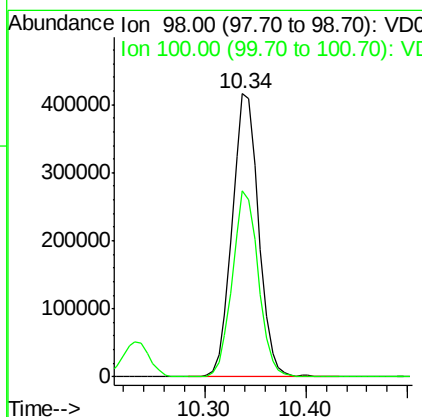
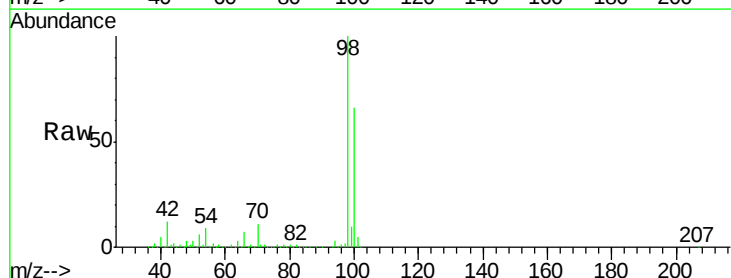
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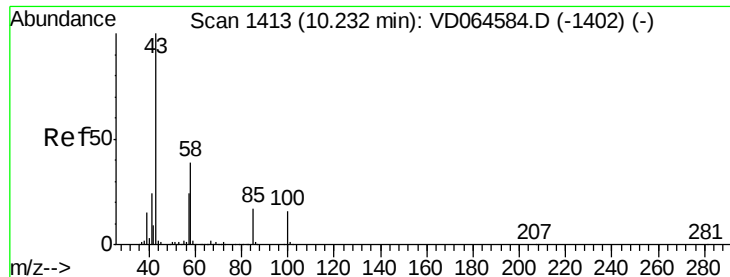
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#50
Toluene-d8
Concen: 50.708 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD064584.D
Acq: 24 Dec 2019 11:46

Tgt Ion	98	Resp	754406
Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 246.207 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD064584.D

Acq: 24 Dec 2019 11:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 594837

Ion Ratio Lower Upper

43 100

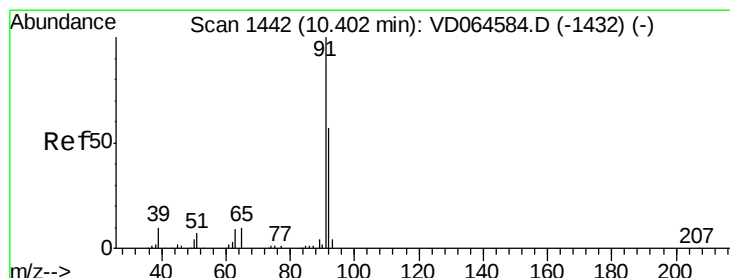
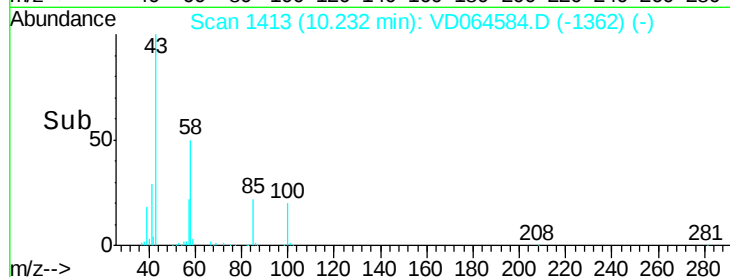
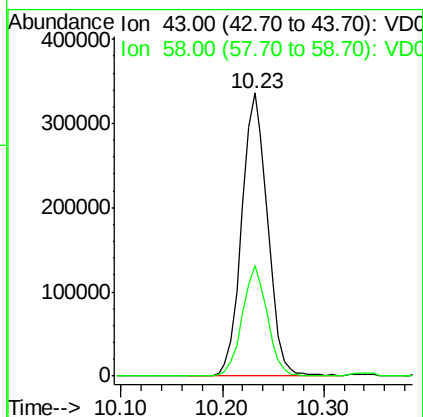
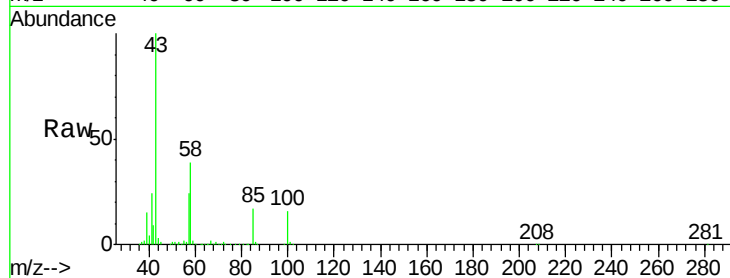
58 37.7 30.2 45.2

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#52

Toluene

Concen: 50.761 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD064584.D

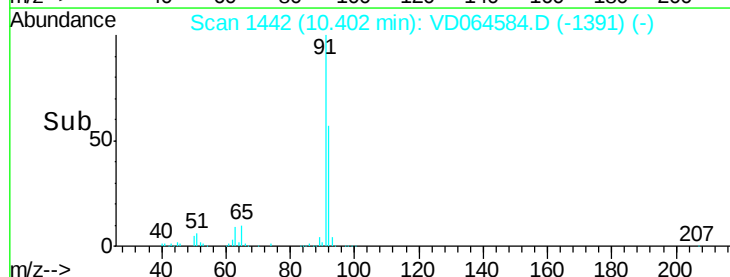
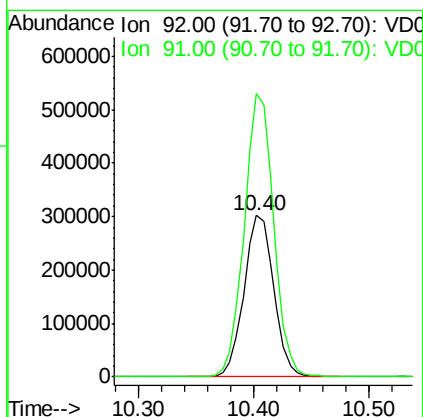
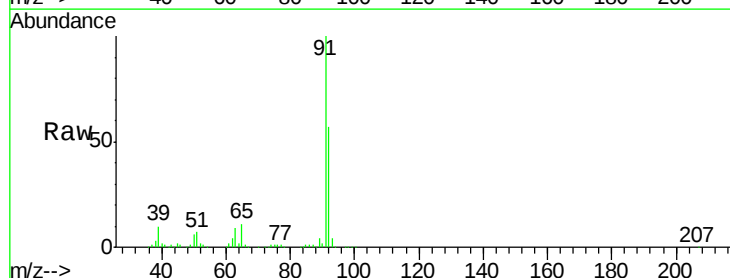
Acq: 24 Dec 2019 11:46

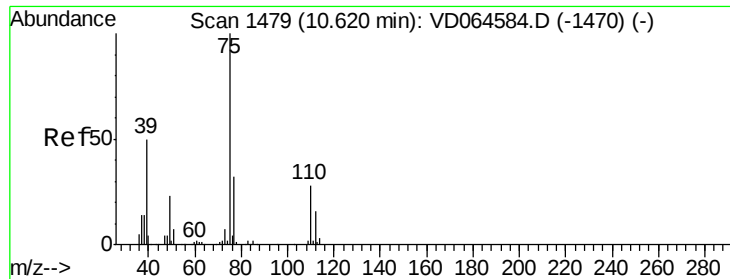
Tgt Ion: 92 Resp: 542875

Ion Ratio Lower Upper

92 100

91 173.4 138.7 208.1





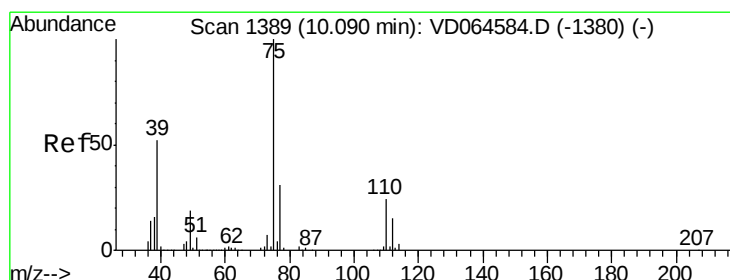
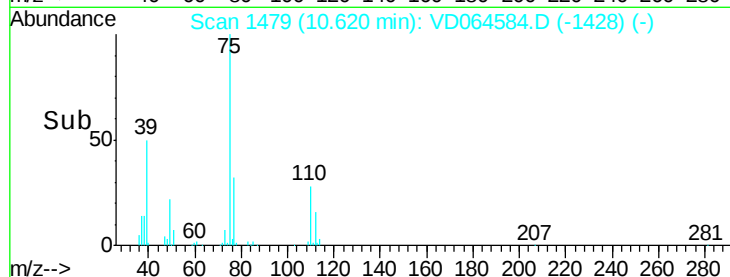
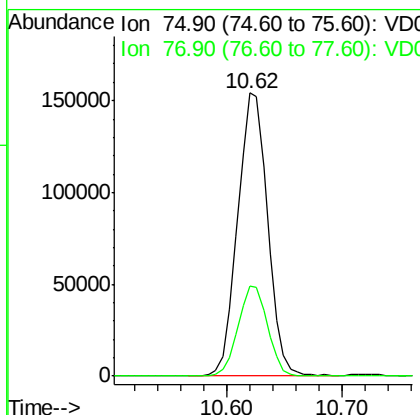
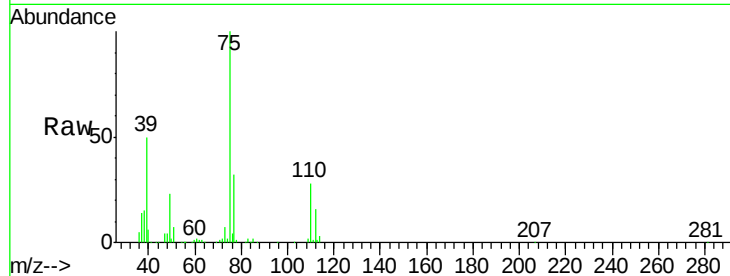
#53
 t-1,3-Dichloropropene
 Concen: 51.507 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. 0.00 min
 Lab File: VD064584.D
 Acq: 24 Dec 2019 11:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion: 75 Resp: 278050
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.4 38.2

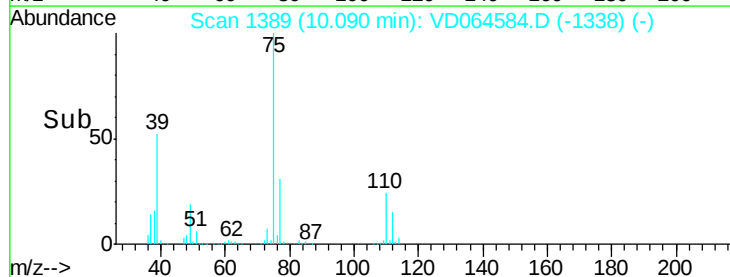
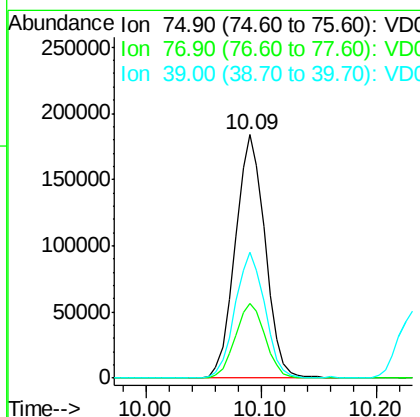
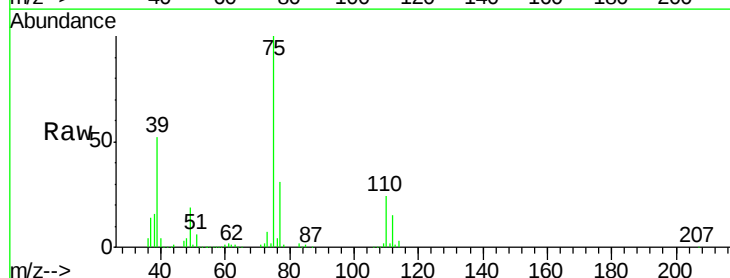
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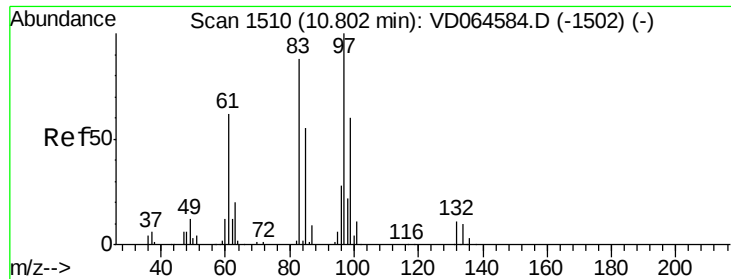
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#54
 cis-1,3-Dichloropropene
 Concen: 51.238 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. 0.00 min
 Lab File: VD064584.D
 Acq: 24 Dec 2019 11:46

Tgt Ion: 75 Resp: 328652
 Ion Ratio Lower Upper
 75 100
 77 30.7 24.6 36.8
 39 51.8 41.4 62.2





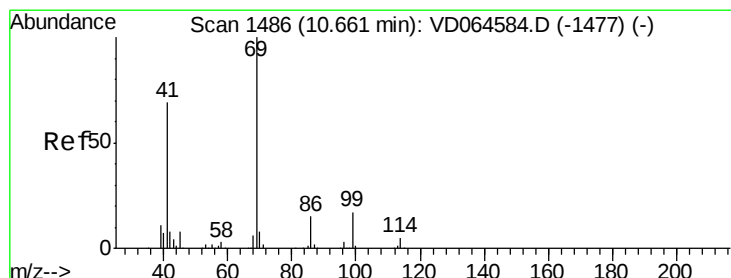
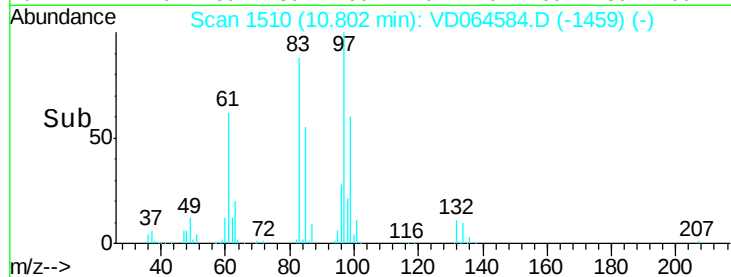
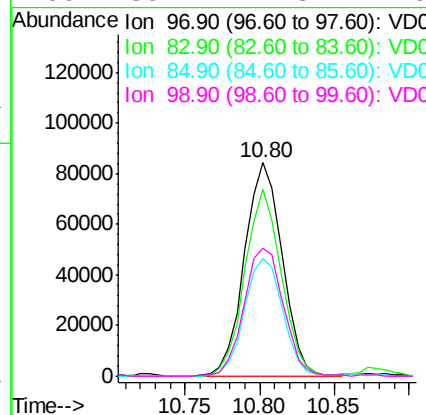
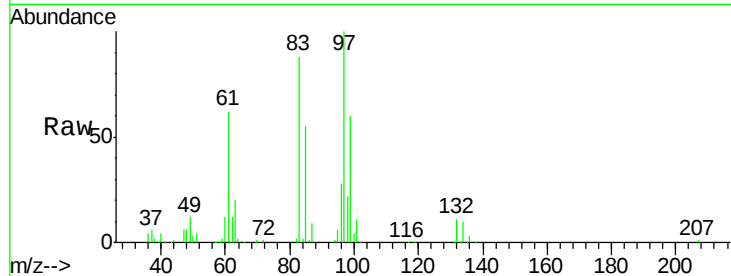
#55
 1,1,2-Trichloroethane
 Concen: 49.121 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064584.D
 Acq: 24 Dec 2019 11:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
97	100		
83	87.8	70.2	105.4
85	55.0	44.0	66.0
99	59.7	47.8	71.6

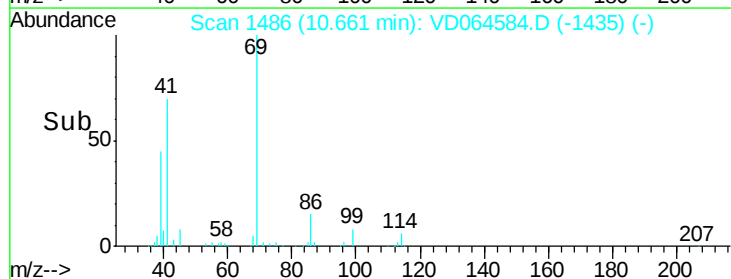
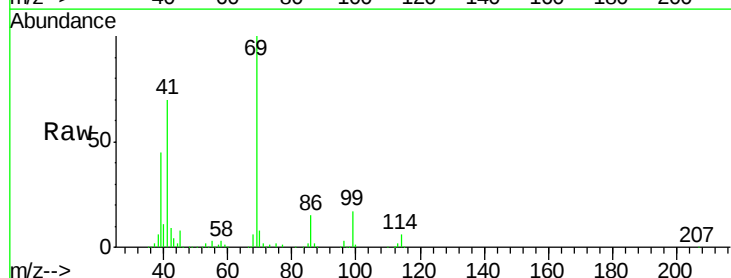
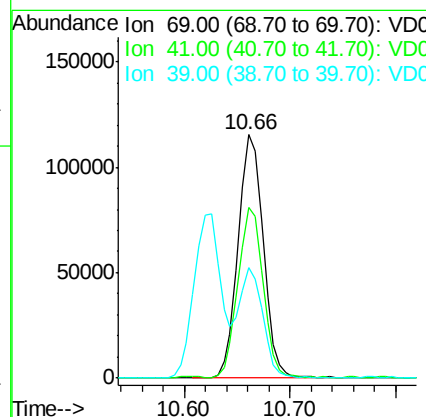
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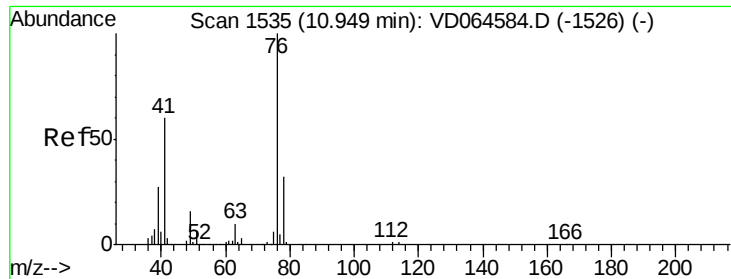
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#56
 Ethyl methacrylate
 Concen: 49.825 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD064584.D
 Acq: 24 Dec 2019 11:46

Tgt Ion	Ratio	Lower	Upper
69	100		
41	69.1	55.3	82.9
39	42.3	33.8	50.8





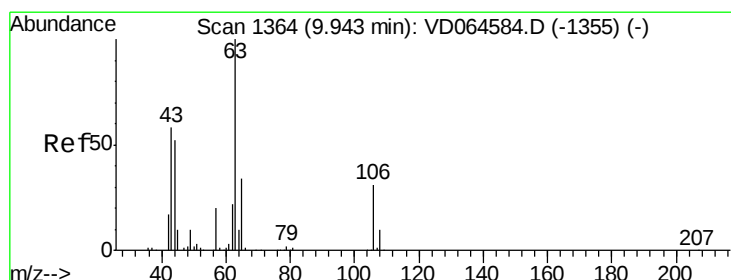
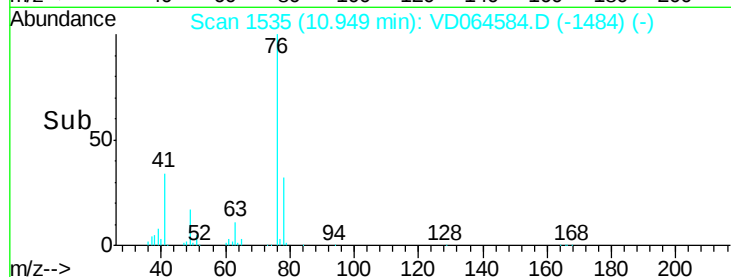
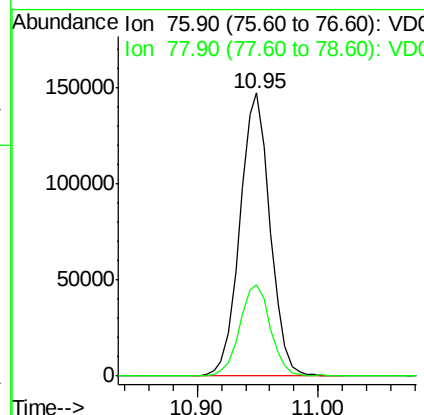
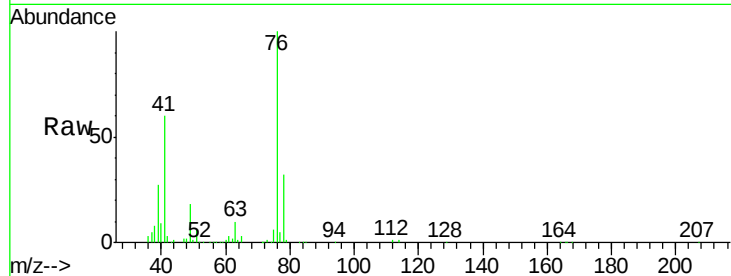
#57
 1,3-Dichloropropane
 Concen: 50.001 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064584.D
 Acq: 24 Dec 2019 11:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.8	26.2	39.4

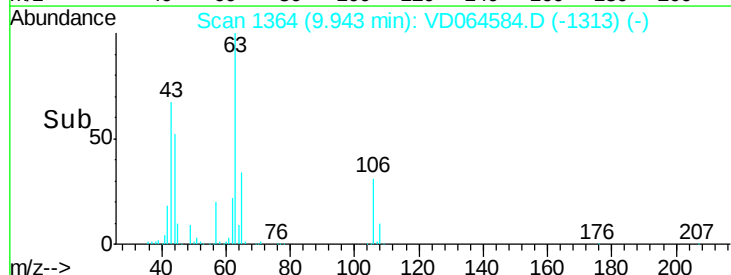
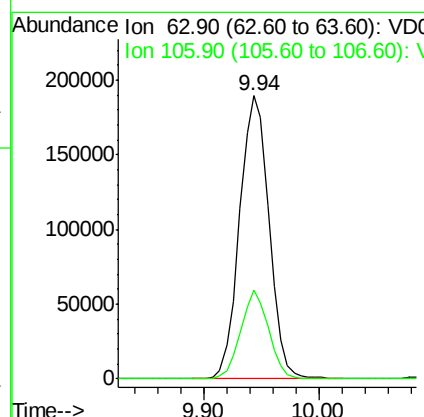
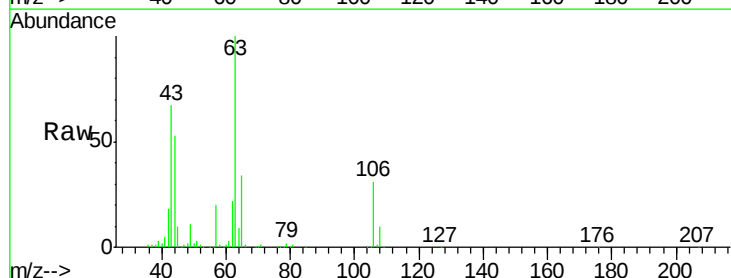
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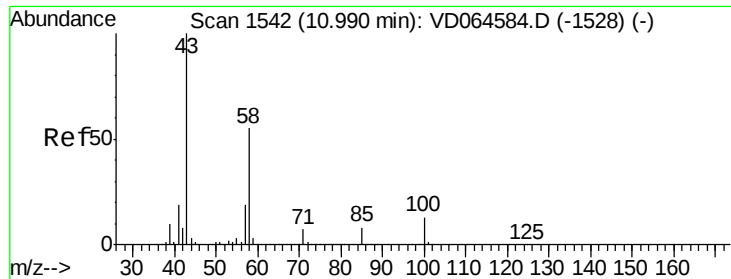
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#58
 2-Chloroethyl Vinyl ether
 Concen: 220.910 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD064584.D
 Acq: 24 Dec 2019 11:46

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.8	23.8	35.8





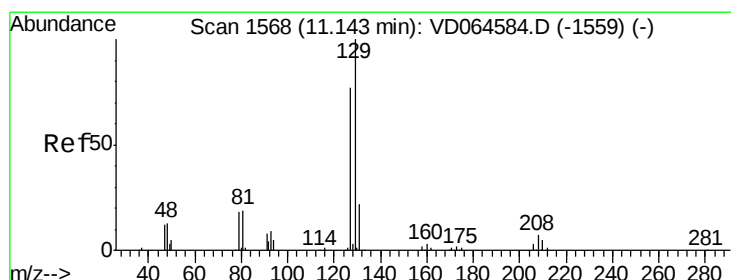
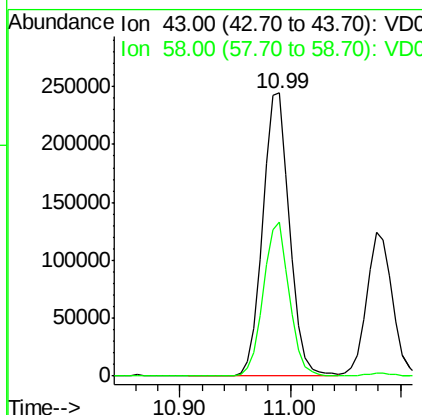
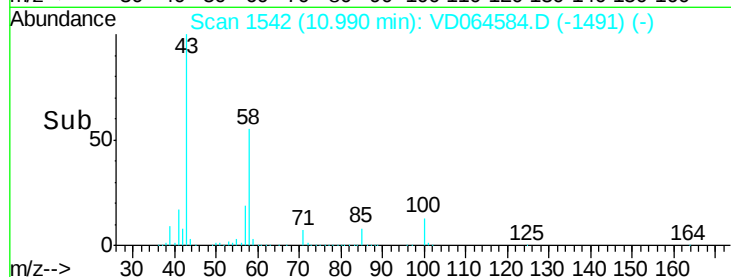
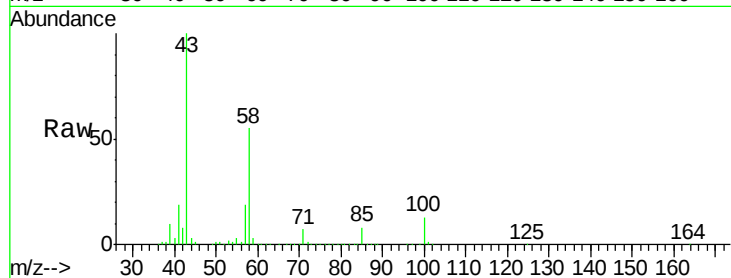
#59
2-Hexanone
Concen: 248.615 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064584.D
Acq: 24 Dec 2019 11:46

Instrument :
MSVOA_D
ClientSampled :
VSTDICCC050

Tot Ion: 43 Resp: 416783
Ion Ratio Lower Upper
43 100
58 52.7 26.4 79.0

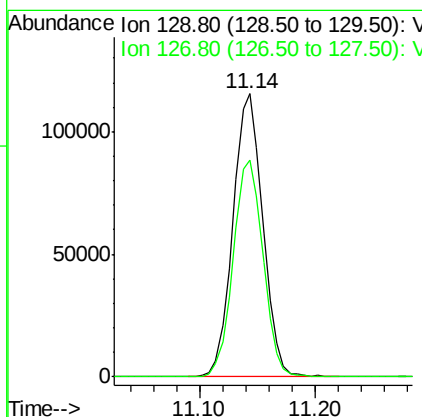
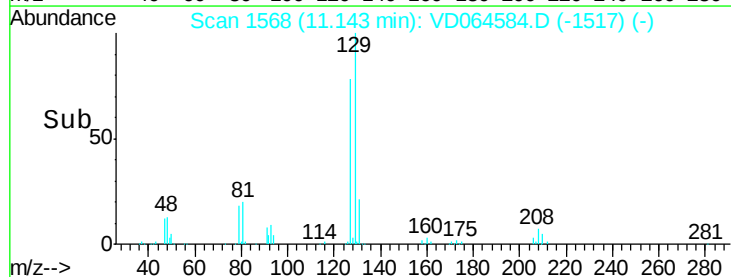
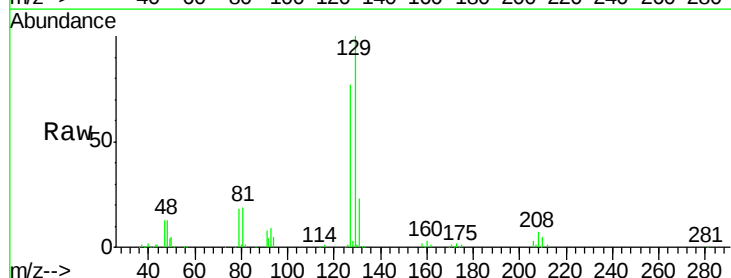
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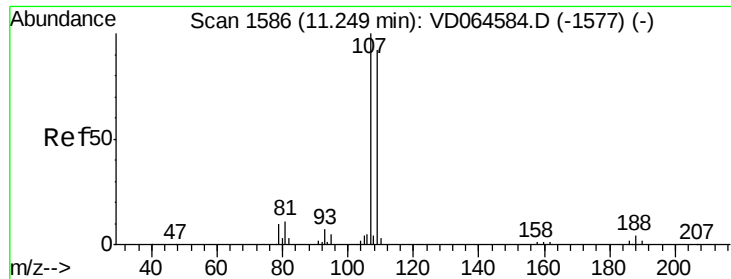
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#60
Dibromochloromethane
Concen: 50.480 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064584.D
Acq: 24 Dec 2019 11:46

Tgt Ion: 129 Resp: 206697
Ion Ratio Lower Upper
129 100
127 76.8 38.4 115.2





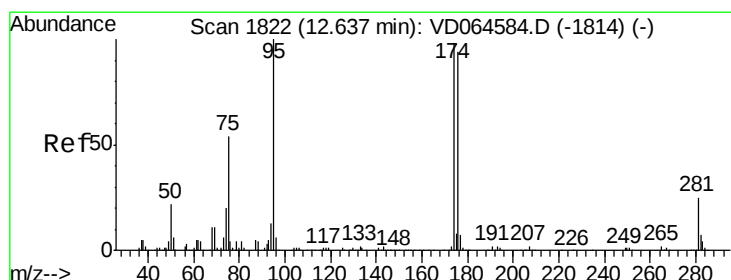
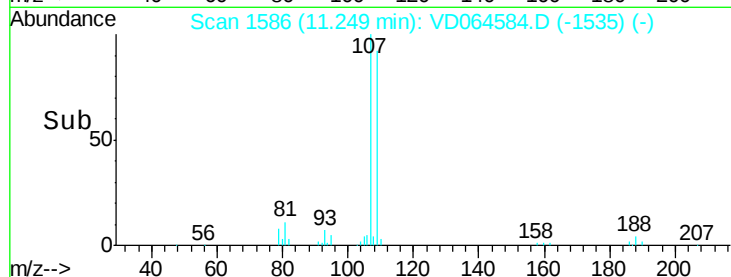
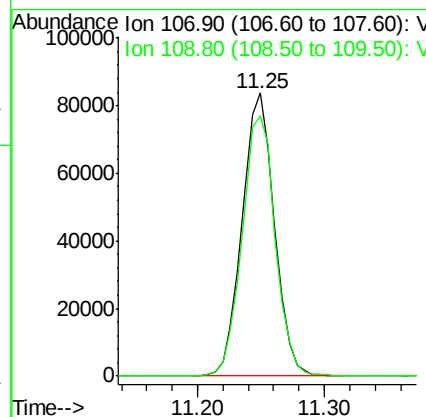
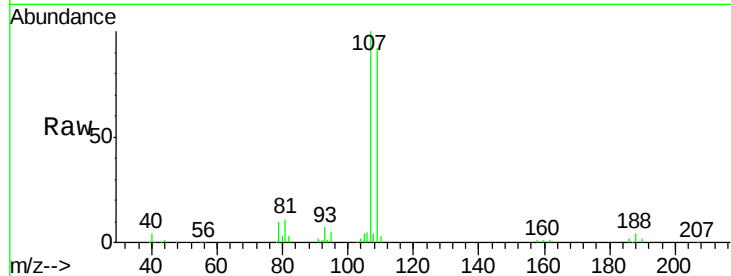
#61
1,2-Dibromoethane
Concen: 49.109 ug/l
RT: 11.25 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VD064584.D
Acq: 24 Dec 2019 11:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.5	75.6	113.4

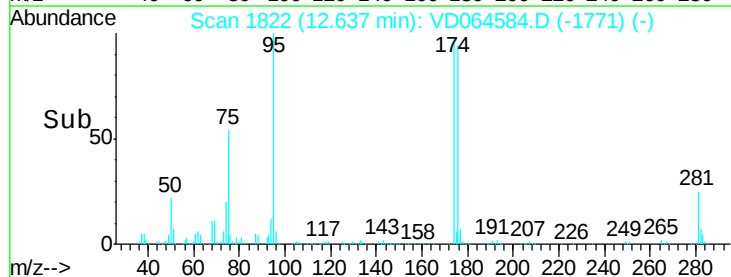
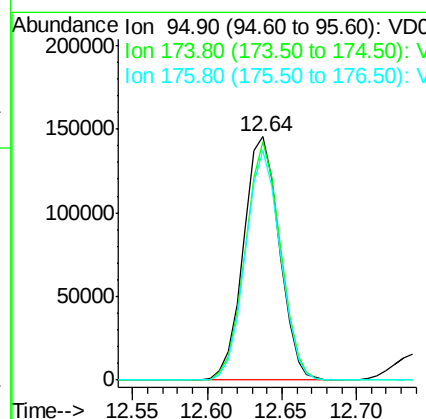
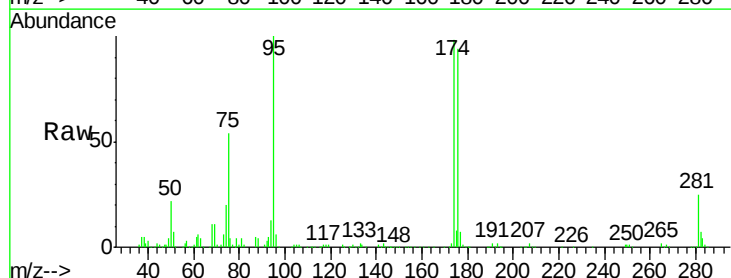
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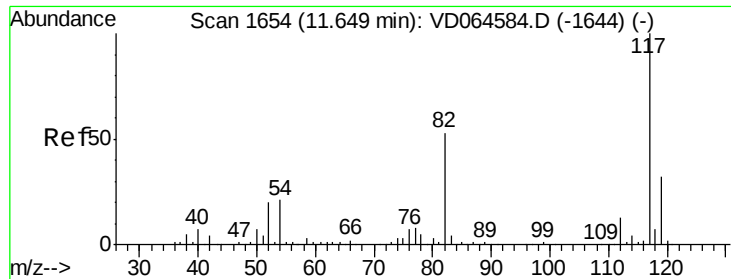
apatel
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#62
4-Bromofluorobenzene
Concen: 50.420 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064584.D
Acq: 24 Dec 2019 11:46

Tgt Ion	Ratio	Lower	Upper
95	100		
174	96.6	0.0	193.2
176	92.1	0.0	184.2





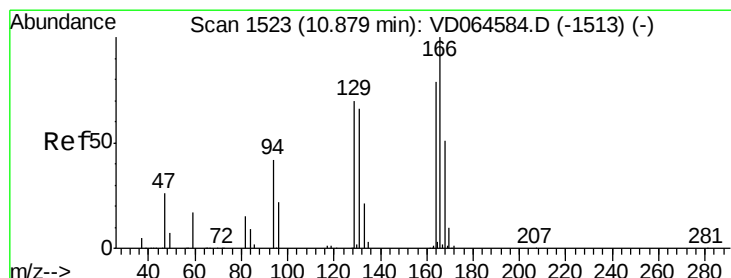
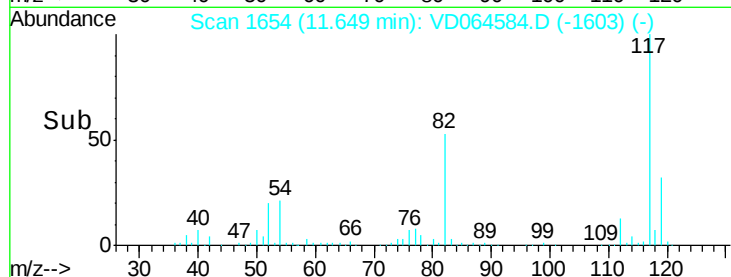
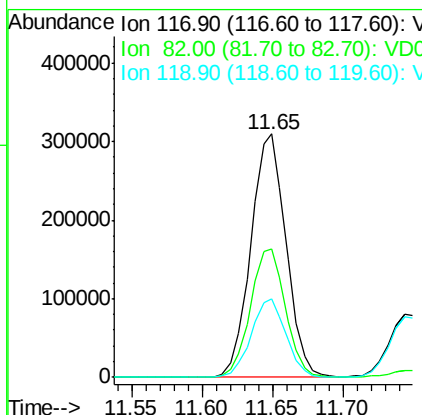
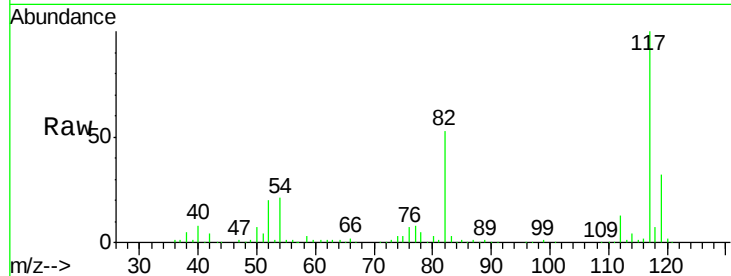
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064584.D
Acq: 24 Dec 2019 11:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.8	42.2	63.4
119	32.5	26.0	39.0

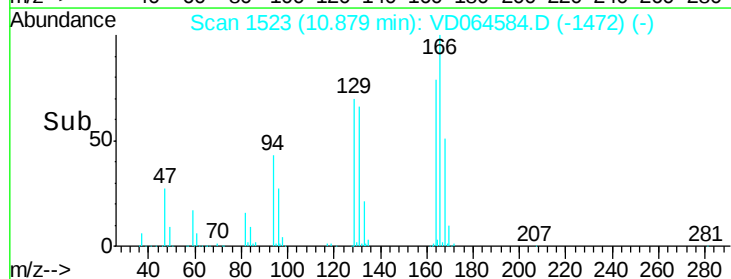
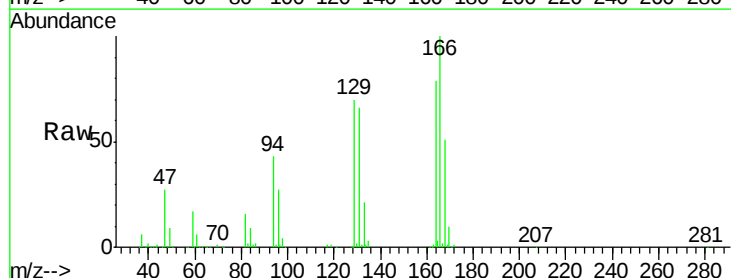
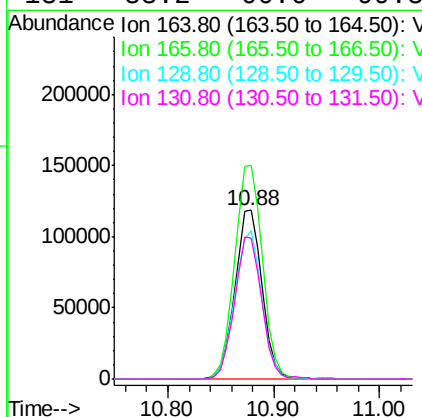
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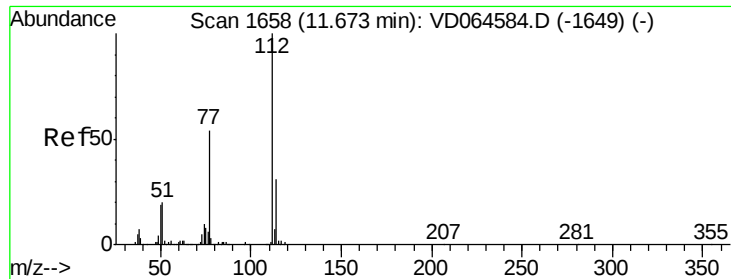
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#64
Tetrachloroethene
Concen: 50.584 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064584.D
Acq: 24 Dec 2019 11:46

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.6	101.3	151.9
129	88.1	70.5	105.7
131	83.2	66.6	99.8





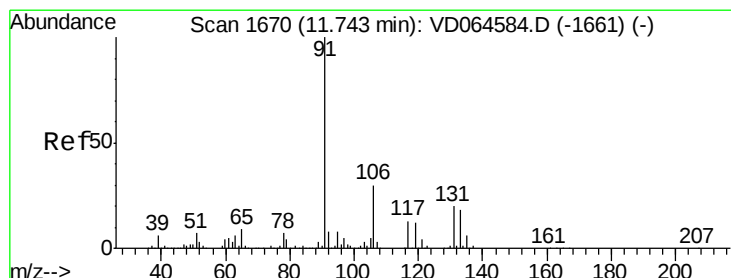
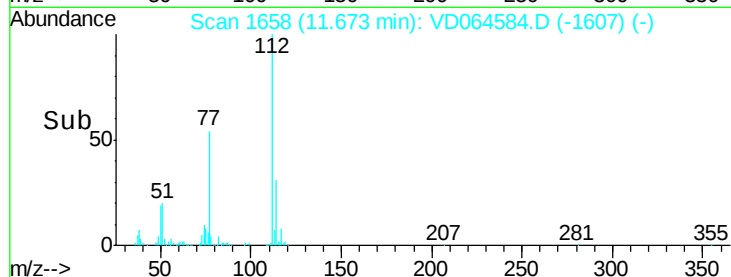
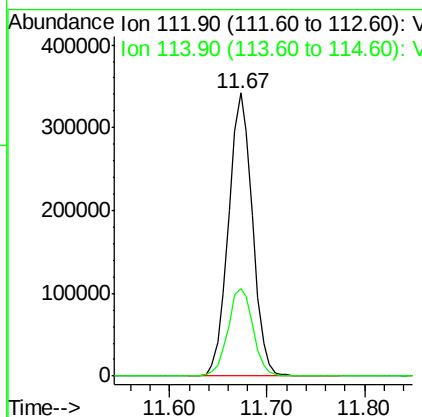
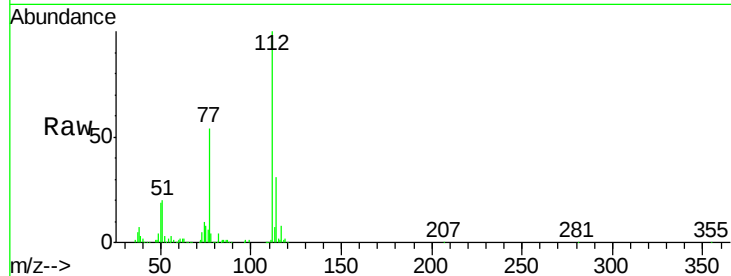
#65
Chlorobenzene
Concen: 51.039 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064584.D
Acq: 24 Dec 2019 11:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.0	24.8	37.2

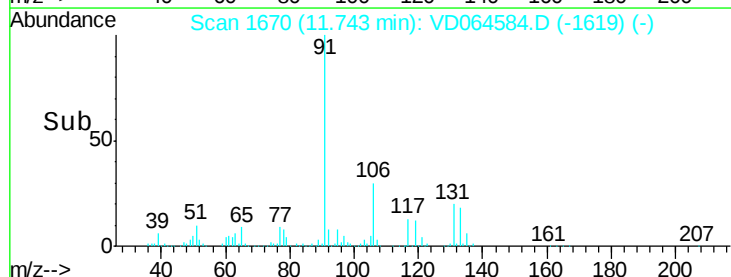
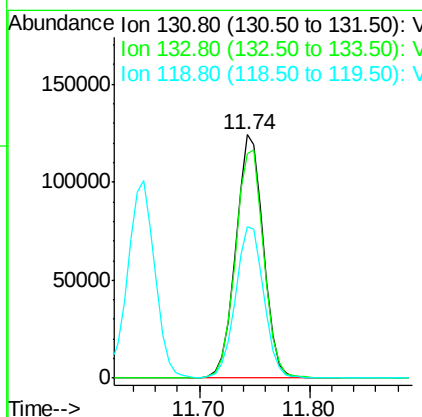
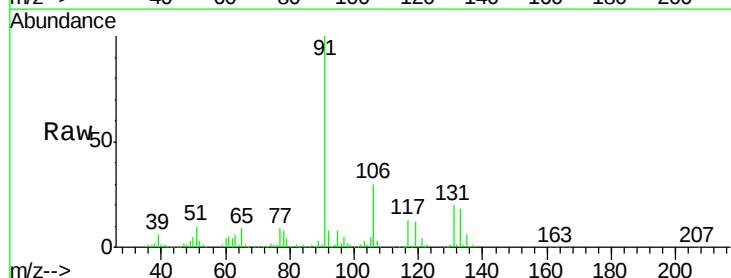
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.635 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD064584.D
Acq: 24 Dec 2019 11:46

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.5	48.3	144.8
119	64.2	32.1	96.3





#67

Ethyl Benzene

Concen: 51.729 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064584.D

Acq: 24 Dec 2019 11:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 1048589

Ion Ratio Lower Upper

91 100

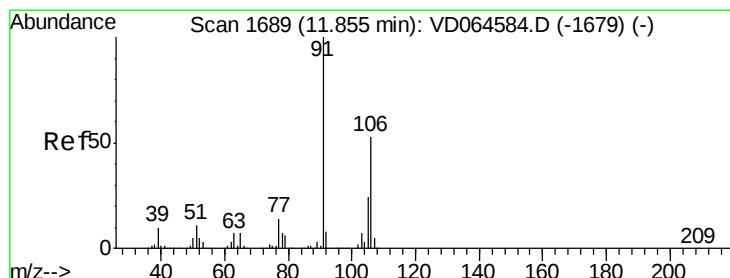
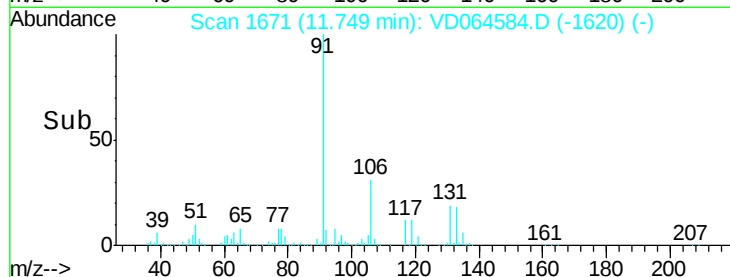
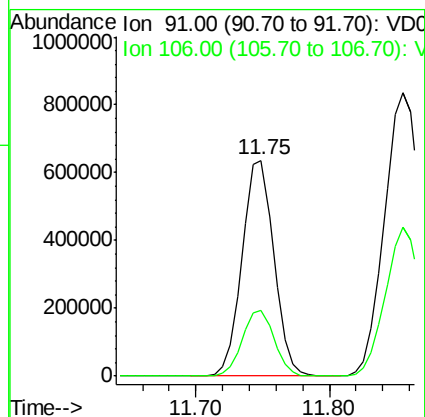
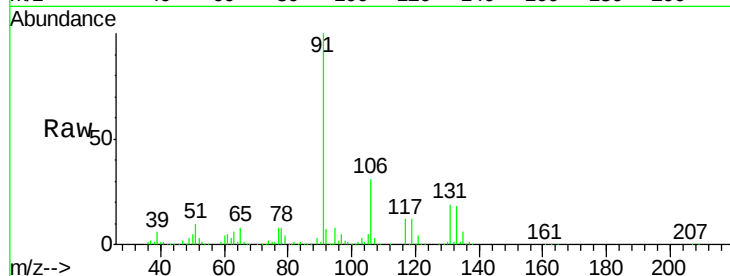
106 30.7 24.6 36.8

Manual Integrations

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#68

m/p-Xylenes

Concen: 105.887 ug/l

RT: 11.85 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064584.D

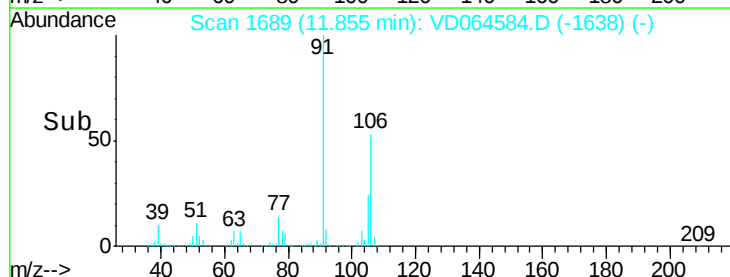
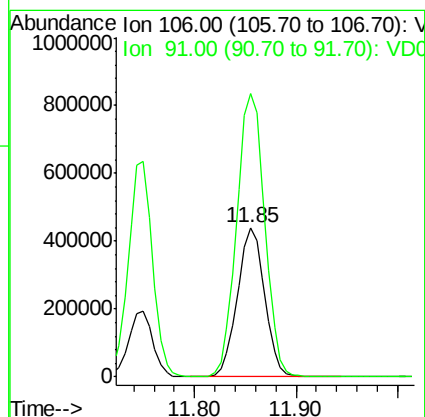
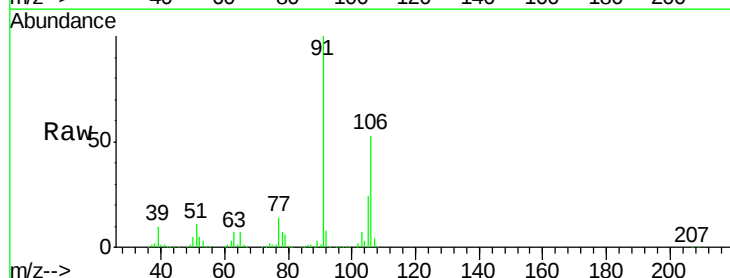
Acq: 24 Dec 2019 11:46

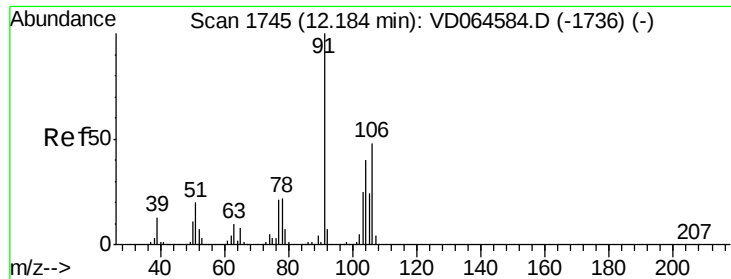
Tgt Ion: 106 Resp: 820674

Ion Ratio Lower Upper

106 100

91 195.4 156.3 234.5





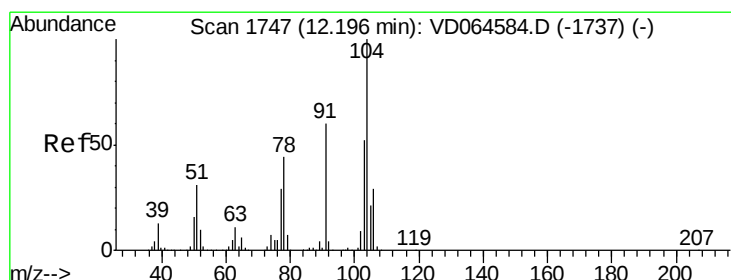
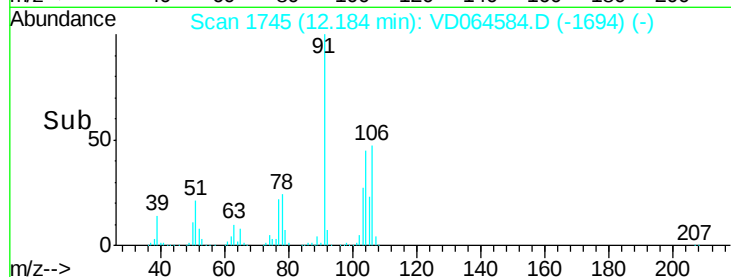
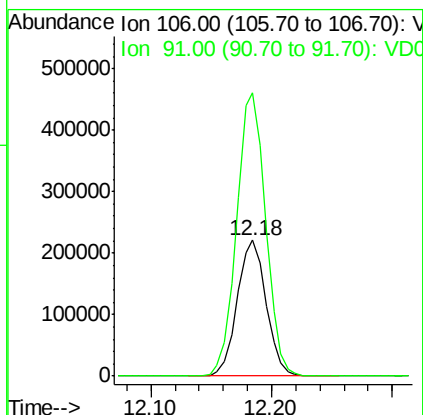
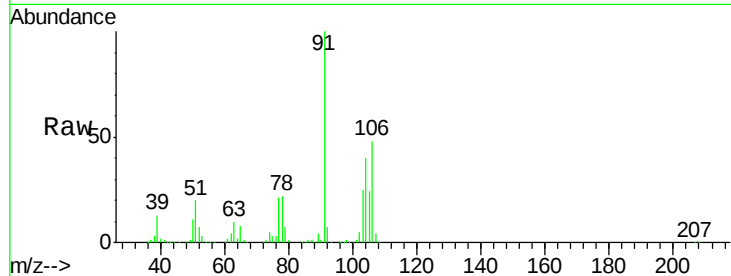
#69
o-Xylene
Concen: 51.728 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064584.D
Acq: 24 Dec 2019 11:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		368439		
91	209.6	104.8	314.4		

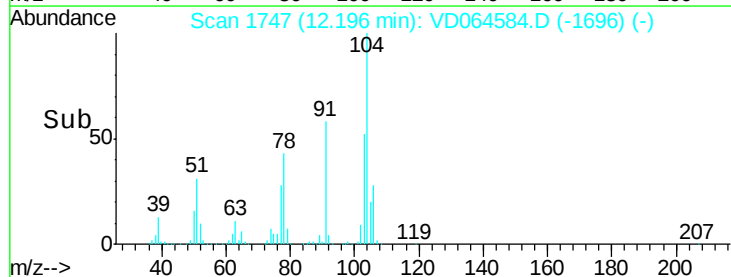
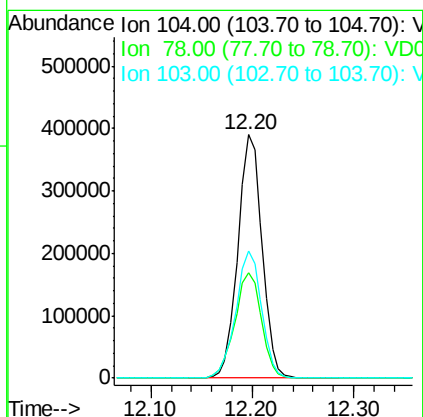
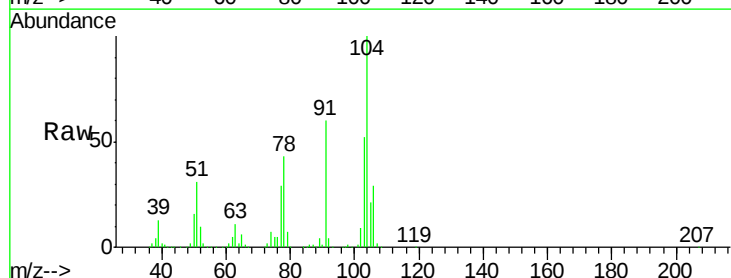
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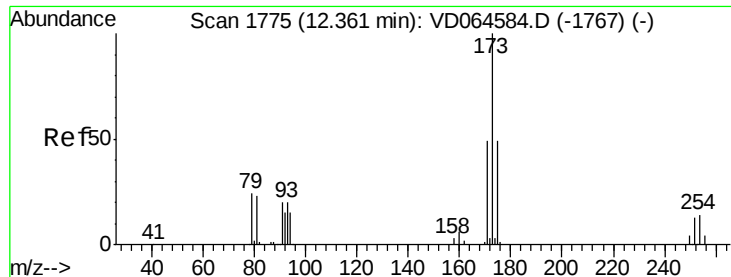
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#70
Styrene
Concen: 52.093 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD064584.D
Acq: 24 Dec 2019 11:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		646119		
78	47.7	38.2	57.2		
103	55.8	44.6	67.0		





#71

Bromoform

Concen: 49.794 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. 0.00 min

Lab File: VD064584.D

Acq: 24 Dec 2019 11:46

Instrument :

MSVOA_D

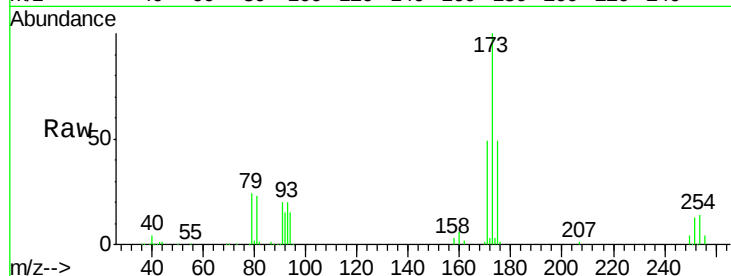
ClientSampleId :

VSTDICCC050

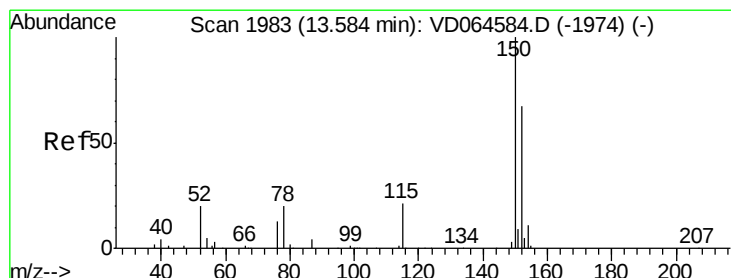
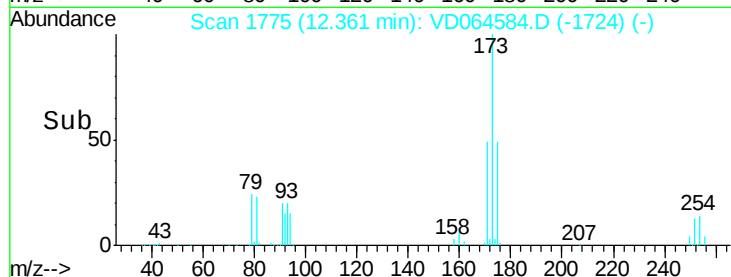
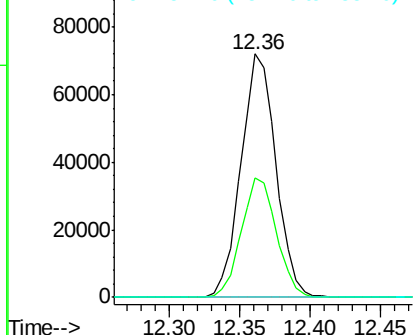
Tot Ion:	173	Resp:	124881
Ion Ratio	Lower	Upper	
173	100		
175	49.2	24.6	73.8
254	0.1	0.1	0.1

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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

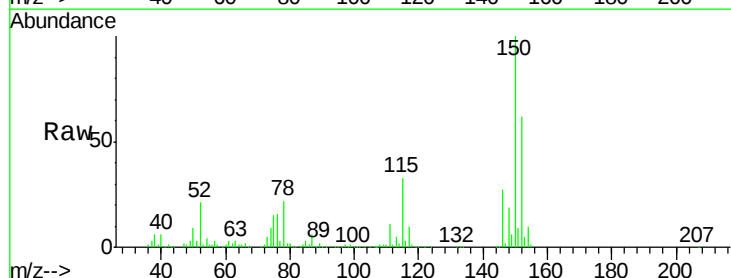
RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

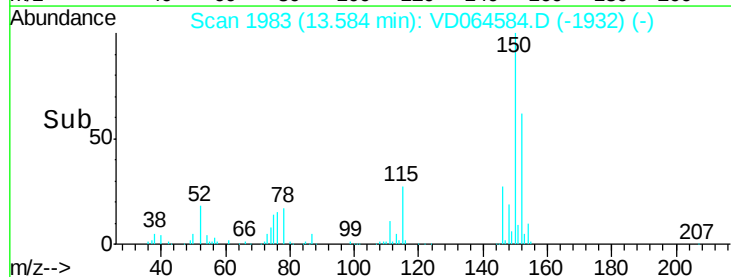
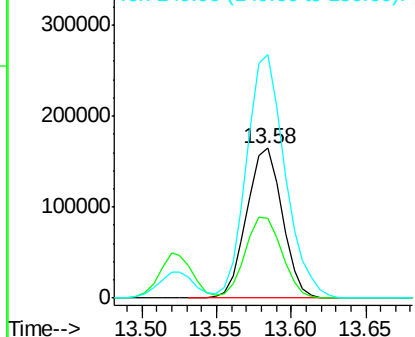
Lab File: VD064584.D

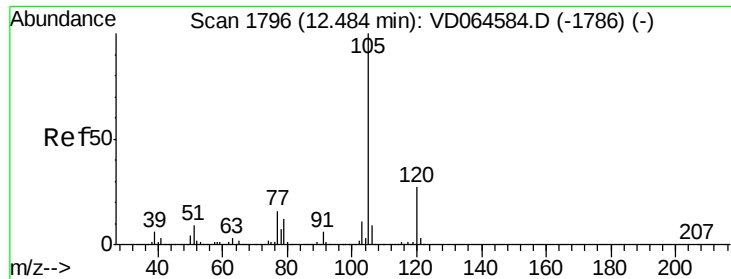
Acq: 24 Dec 2019 11:46

Tgt Ion:	152	Resp:	272142
Ion Ratio	Lower	Upper	
152	100		
115	55.6	27.8	83.4
150	175.7	0.0	351.4



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: 51.516 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064584.D

Acq: 24 Dec 2019 11:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 1011215

Ion Ratio Lower Upper

105 100

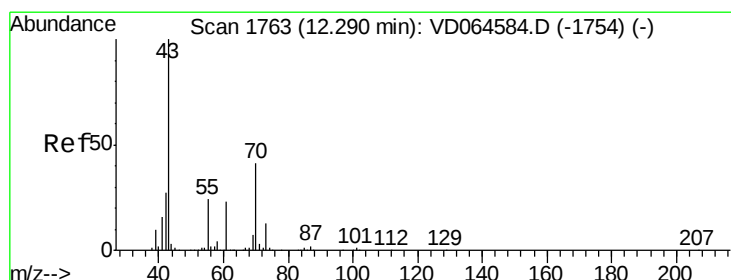
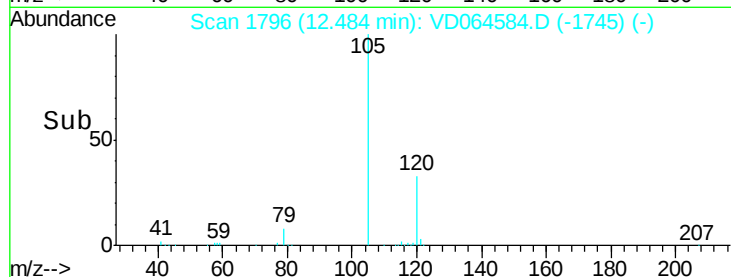
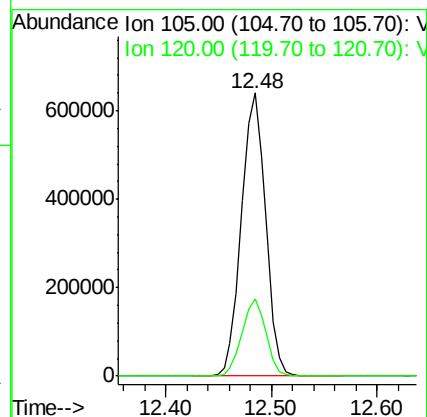
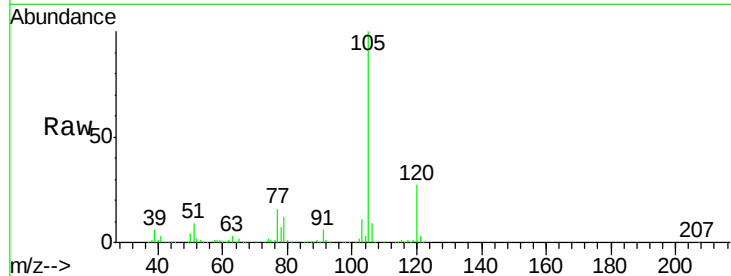
120 27.0 13.5 40.5

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#74

N-ethyl acetate

Concen: 49.914 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD064584.D

Acq: 24 Dec 2019 11:46

Tgt Ion: 43 Resp: 219747

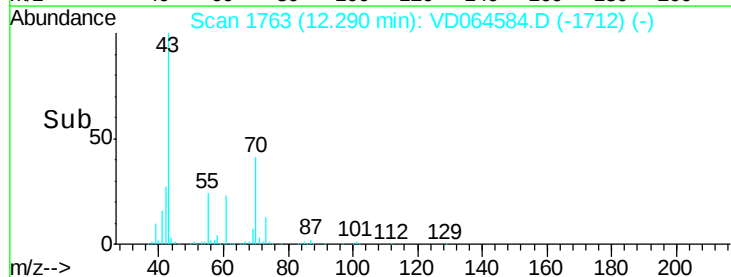
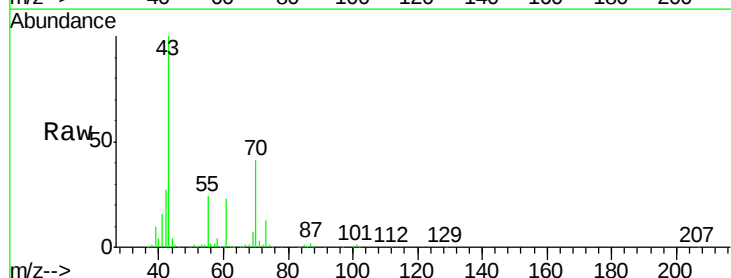
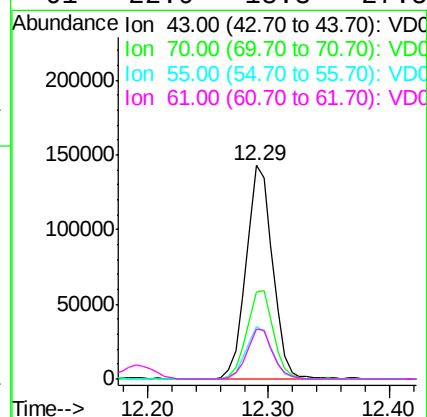
Ion Ratio Lower Upper

43 100

70 41.7 33.4 50.0

55 24.2 19.4 29.0

61 22.9 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 48.859 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064584.D

Acq: 24 Dec 2019 11:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 83 Resp: 156732

Ion Ratio Lower Upper

83 100

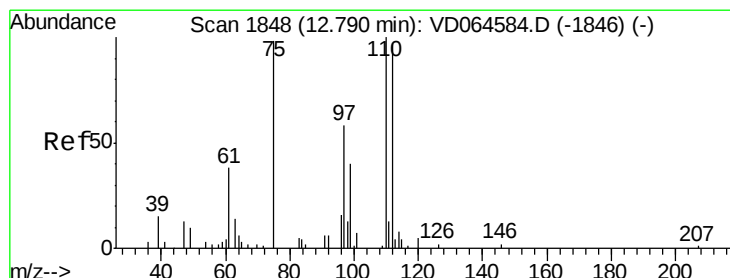
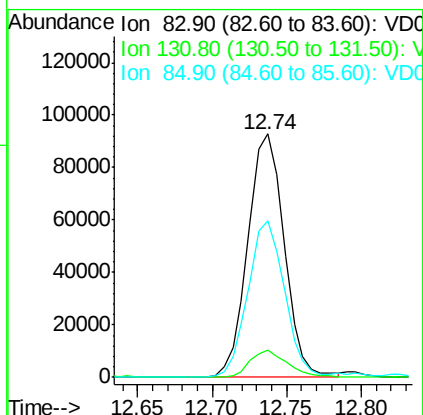
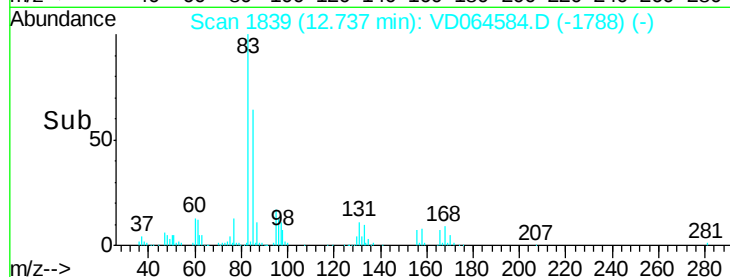
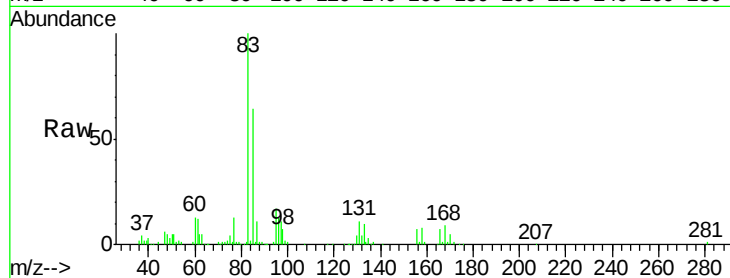
131 11.6 5.8 17.4

85 64.6 32.3 96.9

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#76

1,2,3-Trichloropropane

Concen: 43.138 ug/l m

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064584.D

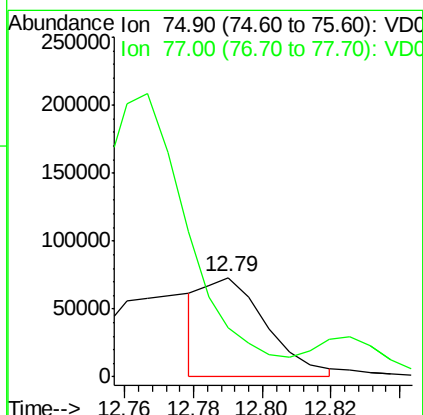
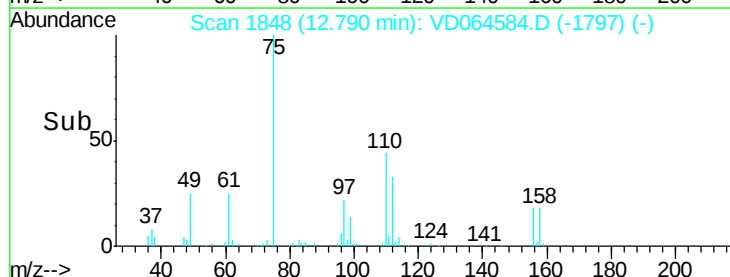
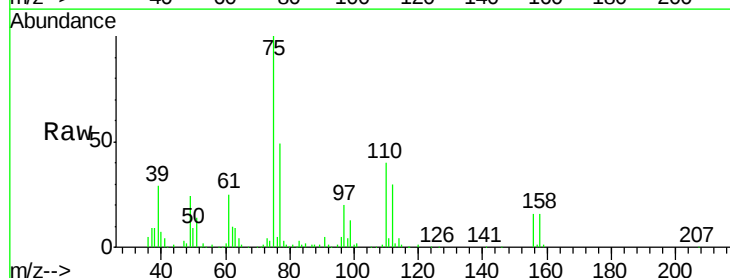
Acq: 24 Dec 2019 11:46

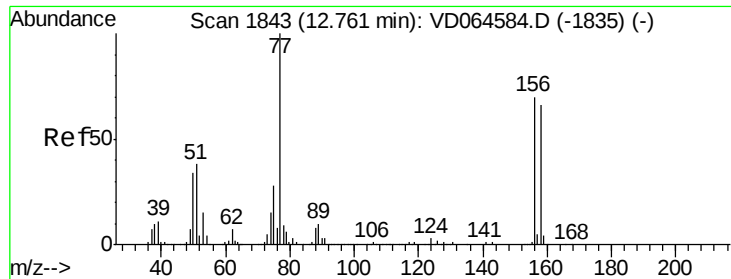
Tgt Ion: 75 Resp: 94617

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 50.770 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VD064584.D

Acq: 24 Dec 2019 11:46

Instrument :

MSVOA_D

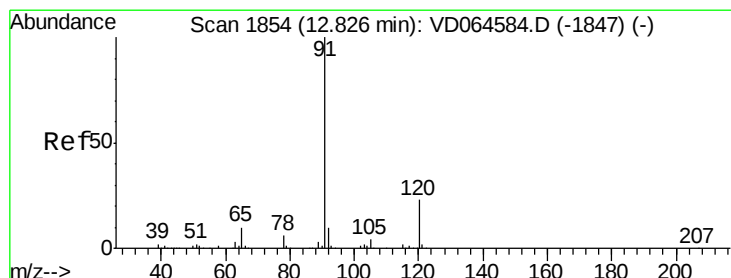
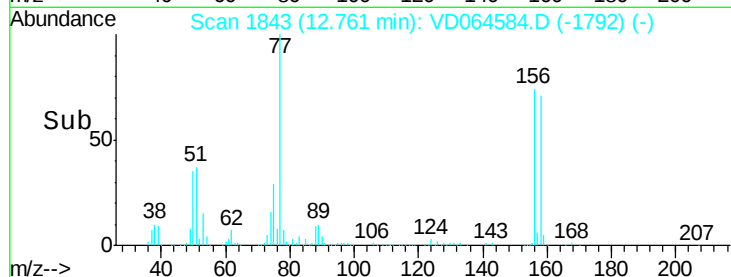
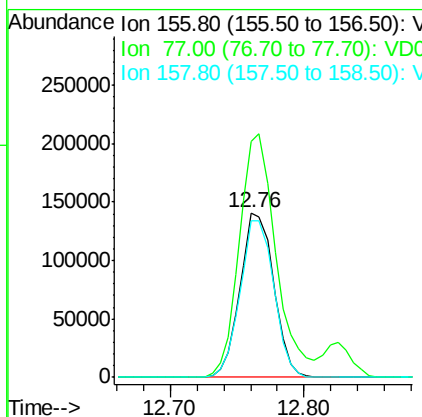
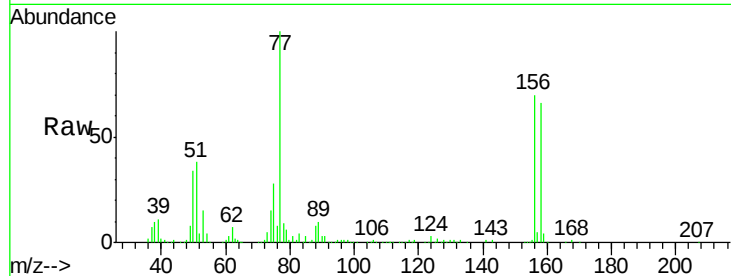
ClientSampleId :

VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		244999		
77	161.8	80.9	242.7		
158	96.1	48.0	144.2		

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#78

n-propylbenzene

Concen: 51.635 ug/l

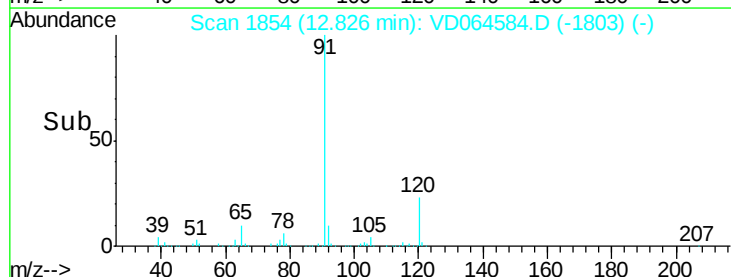
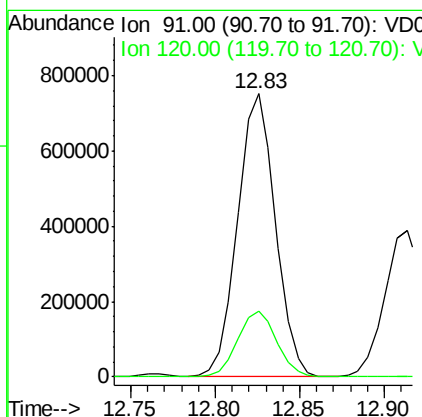
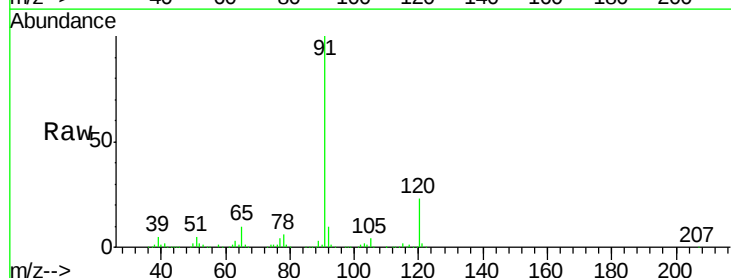
RT: 12.83 min Scan# 1854

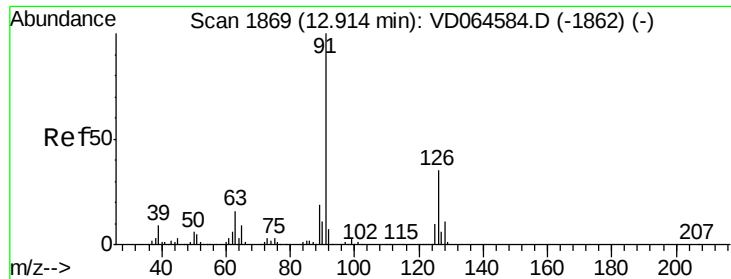
Delta R.T. 0.00 min

Lab File: VD064584.D

Acq: 24 Dec 2019 11:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		1170274		
120	23.9	11.9	35.9		





#79

2-Chlorotoluene

Concen: 51.155 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064584.D

Acq: 24 Dec 2019 11:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 636744

Ion Ratio Lower Upper

91 100

126 35.7

17.8

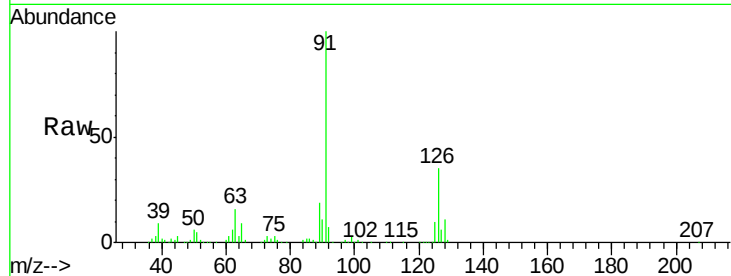
53.5

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Abundance Ion 91.00 (90.70 to 91.70): VD064584.D (-1862) (-)

Ion 125.90 (125.60 to 126.60): VD064584.D (-1862) (-)

12.91

400000

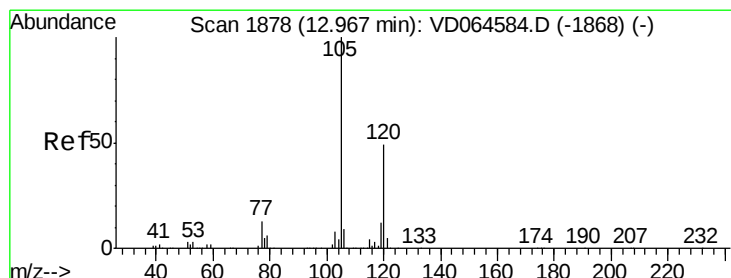
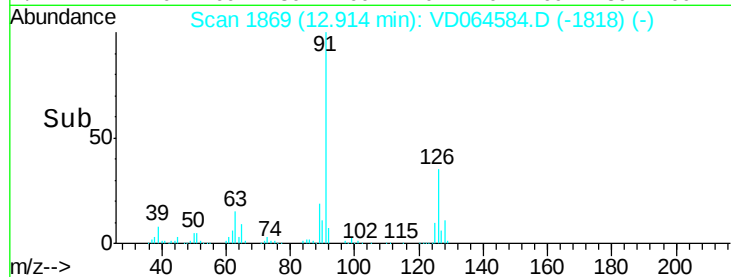
300000

200000

100000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 51.905 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064584.D

Acq: 24 Dec 2019 11:46

Tgt Ion: 105 Resp: 832645

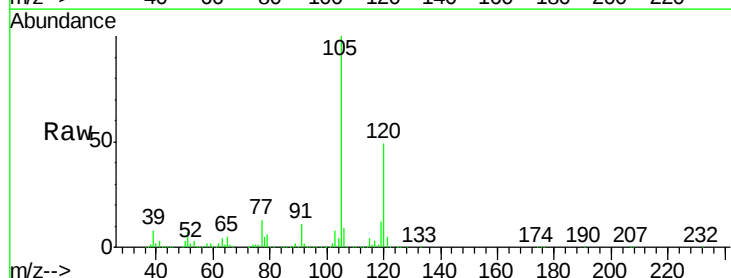
Ion Ratio Lower Upper

105 100

120 50.0

25.0

75.0



Abundance Ion 105.00 (104.70 to 105.70): VD064584.D (-1868) (-)

Ion 120.00 (119.70 to 120.70): VD064584.D (-1868) (-)

12.97

600000

500000

400000

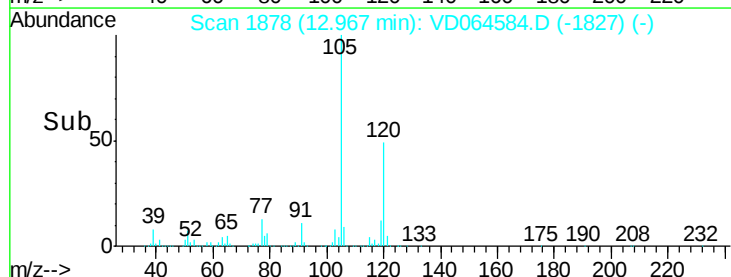
300000

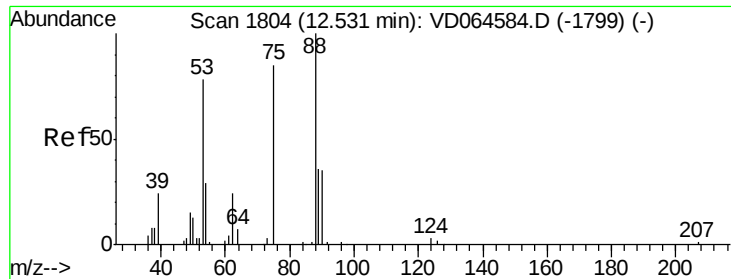
200000

100000

0

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 51.266 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD064584.D

Acq: 24 Dec 2019 11:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 75 Resp: 52598

Ion Ratio Lower Upper

75 100

53 98.5 78.8 118.2

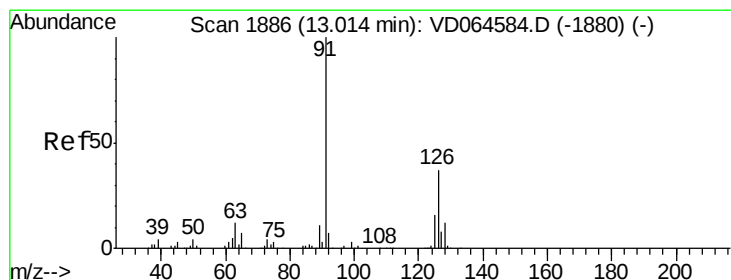
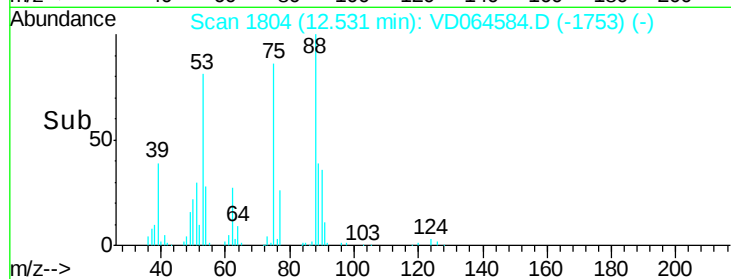
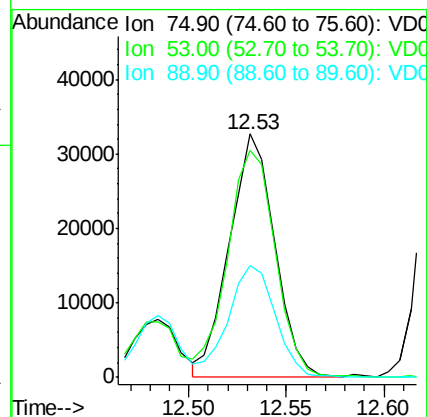
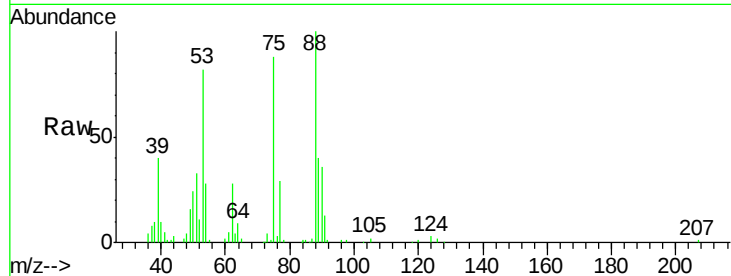
89 47.9 38.3 57.5

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#82

4-Chlorotoluene

Concen: 51.237 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD064584.D

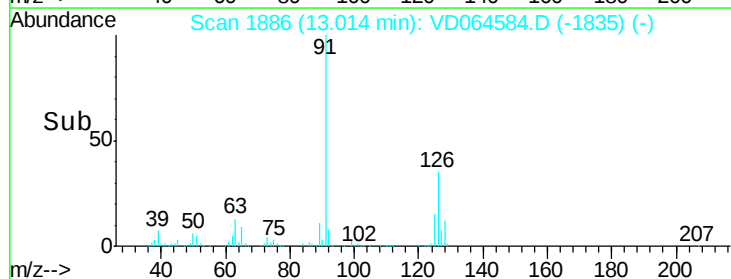
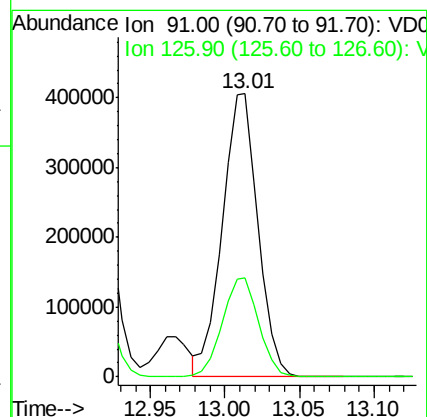
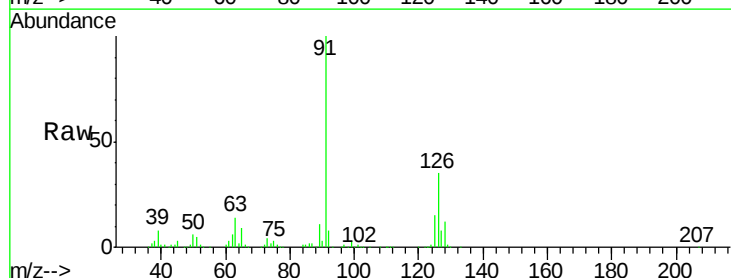
Acq: 24 Dec 2019 11:46

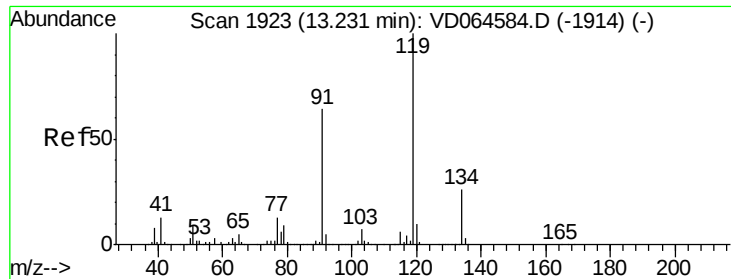
Tgt Ion: 91 Resp: 676396

Ion Ratio Lower Upper

91 100

126 35.7 17.8 53.5





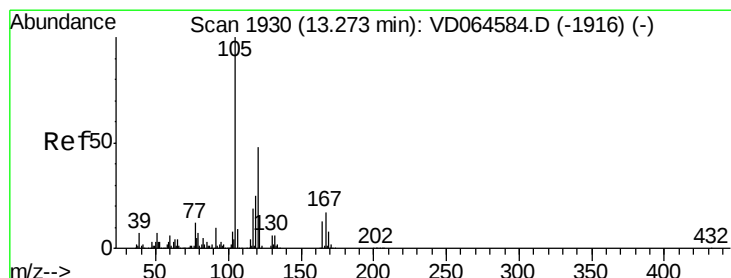
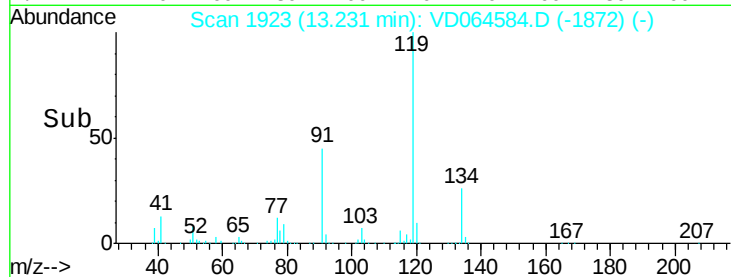
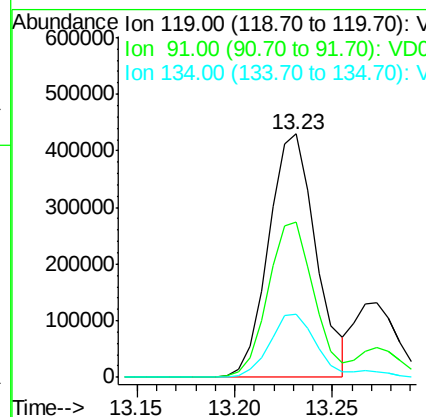
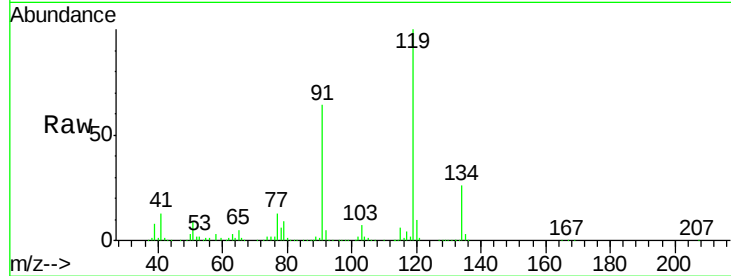
#83
tert-Butylbenzene
Concen: 51.745 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD064584.D
Acq: 24 Dec 2019 11:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	722051		
91	61.6	30.8	92.4	
134	25.5	12.8	38.3	

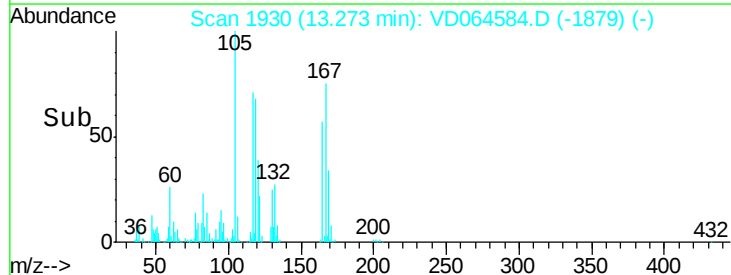
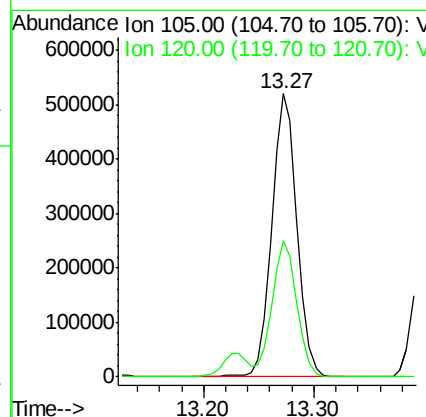
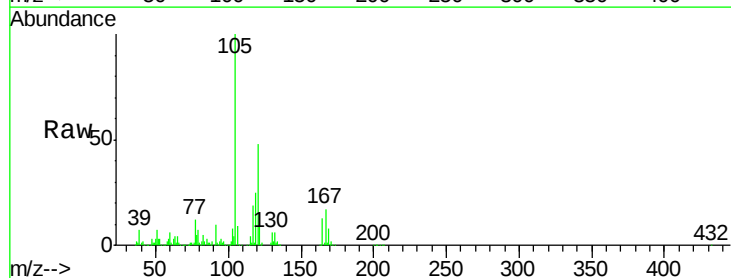
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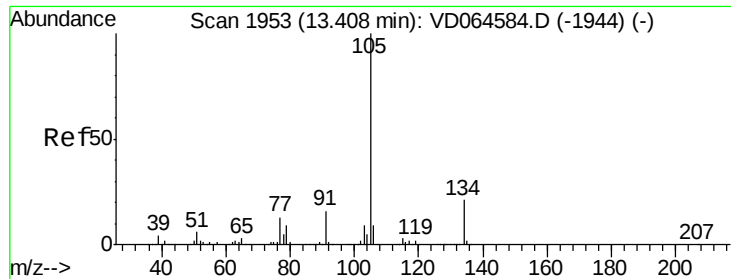
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#84
1,2,4-Trimethylbenzene
Concen: 51.085 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD064584.D
Acq: 24 Dec 2019 11:46

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	823830		
120	47.5	23.8	71.2	





#85

sec-Butylbenzene

Concen: 51.599 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064584.D

Acq: 24 Dec 2019 11:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 986702

Ion Ratio Lower Upper

105 100

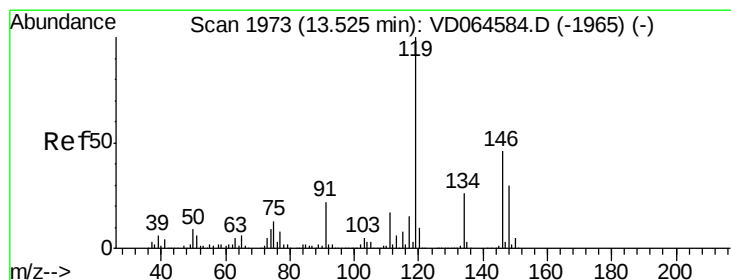
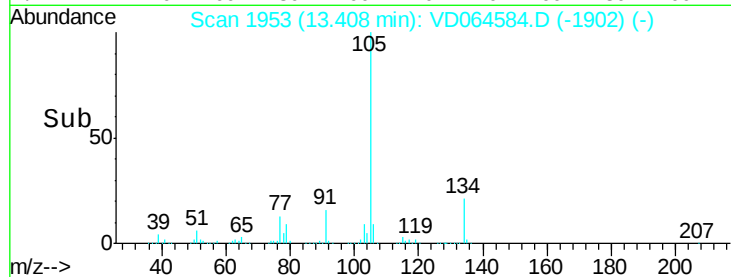
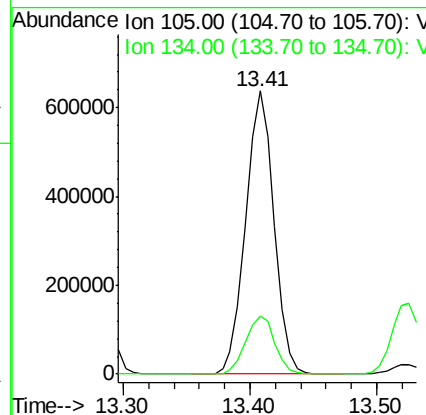
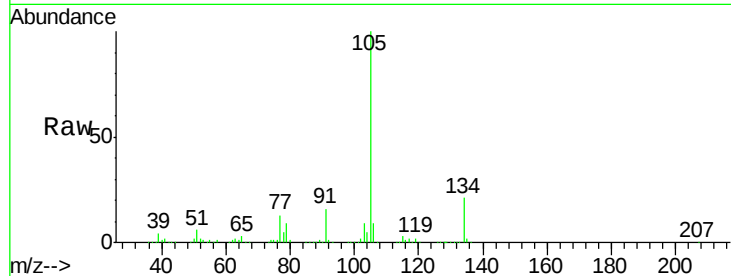
134 21.2 10.6 31.8

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#86

p-Isopropyltoluene

Concen: 52.401 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064584.D

Acq: 24 Dec 2019 11:46

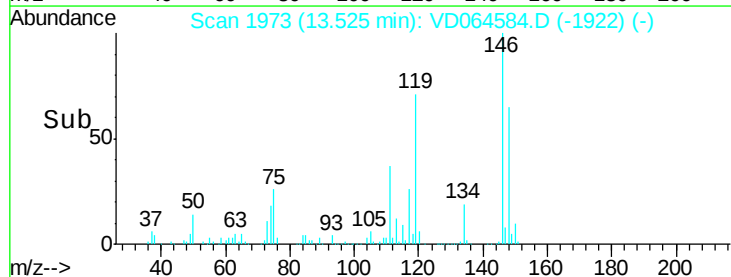
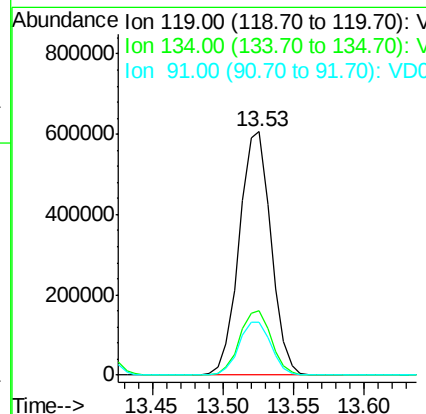
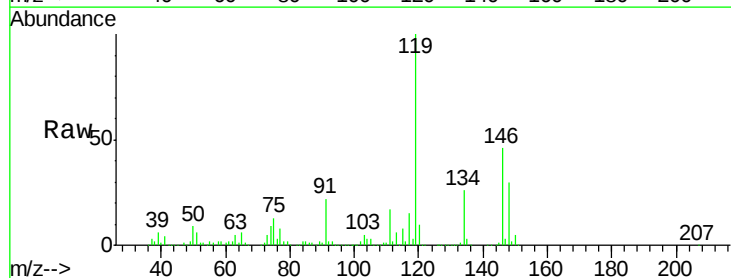
Tgt Ion:119 Resp: 950098

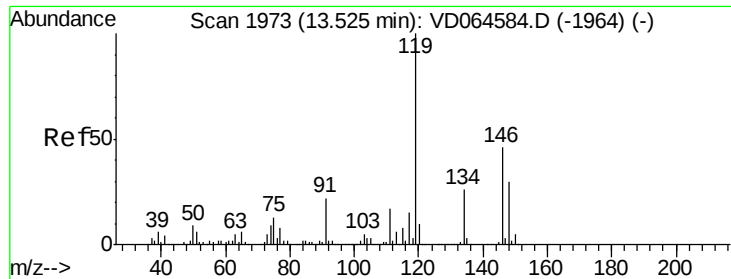
Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.1

91 22.4 11.2 33.6





#87

1,3-Dichlorobenzene

Concen: 50.485 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064584.D

Acq: 24 Dec 2019 11:46

Instrument :

MSVOA_D

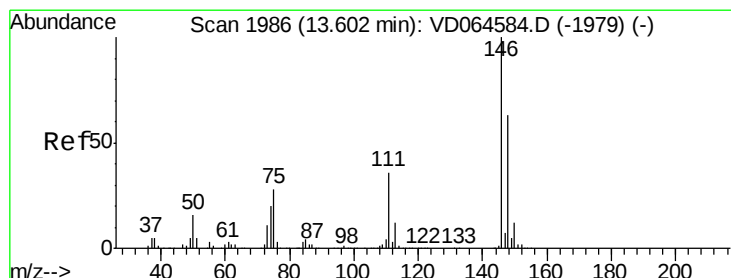
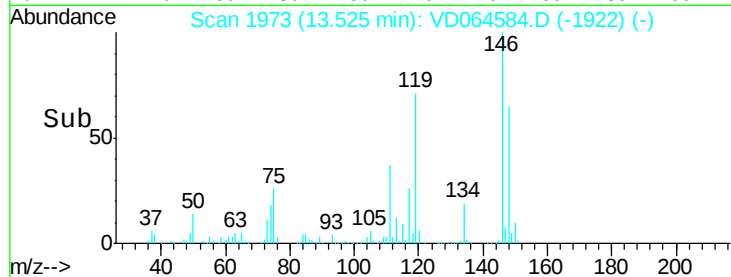
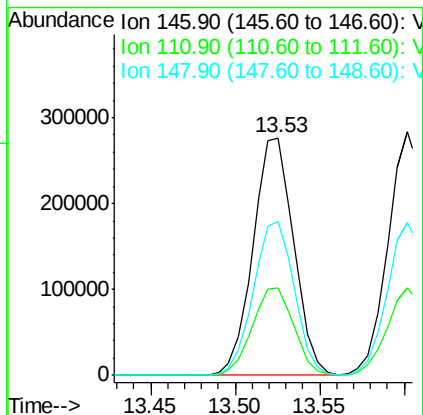
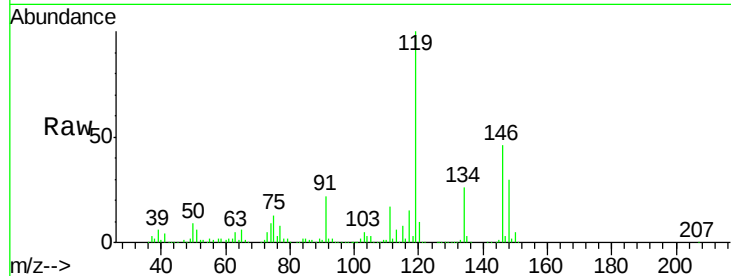
ClientSampleId :

VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.8	56.4
148	65.0	32.5	97.5

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#88

1,4-Dichlorobenzene

Concen: 50.728 ug/l

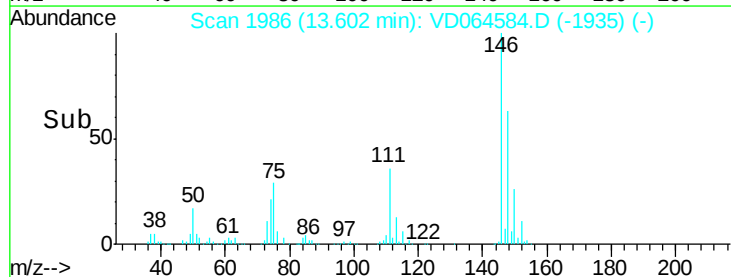
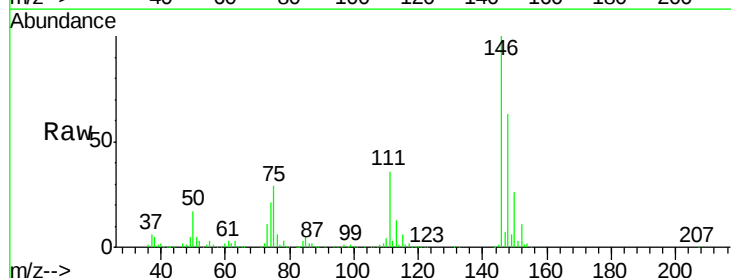
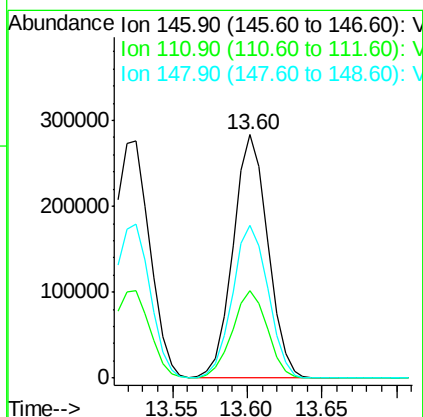
RT: 13.60 min Scan# 1986

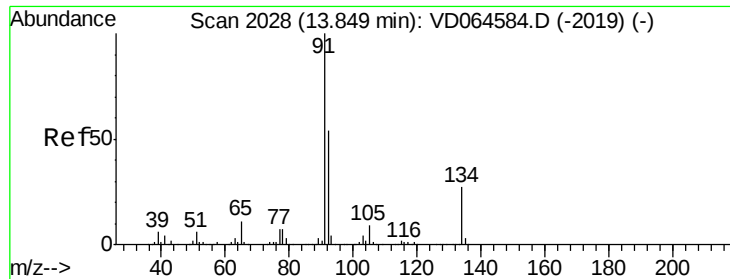
Delta R.T. 0.00 min

Lab File: VD064584.D

Acq: 24 Dec 2019 11:46

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.1	18.1	54.1
148	64.6	32.3	96.9





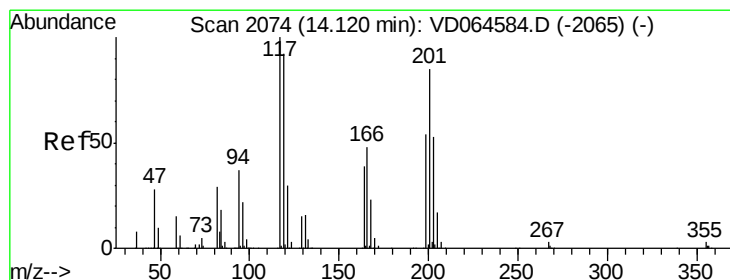
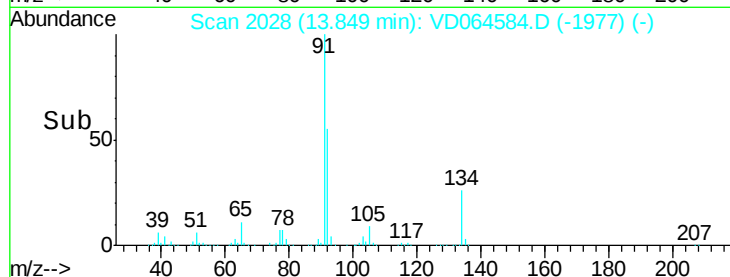
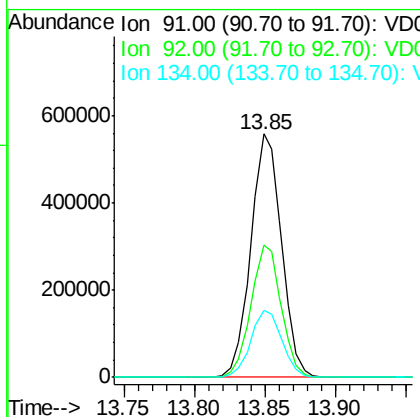
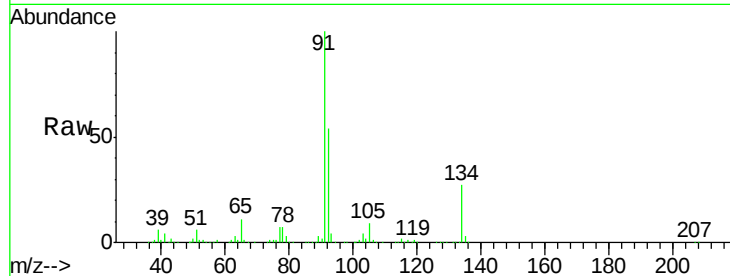
#89
n-Butylbenzene
Concen: 51.927 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD064584.D
Acq: 24 Dec 2019 11:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100	852100		
92	53.6	26.8	80.4	
134	27.9	14.0	41.9	

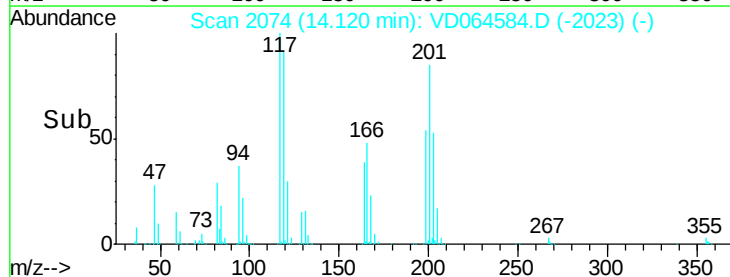
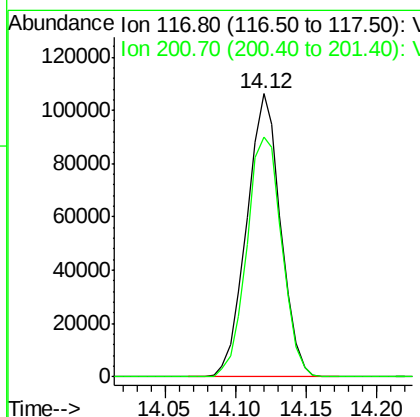
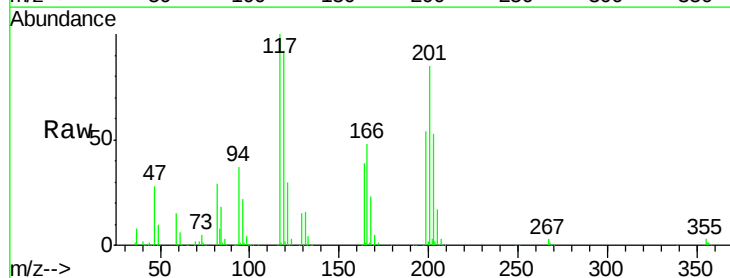
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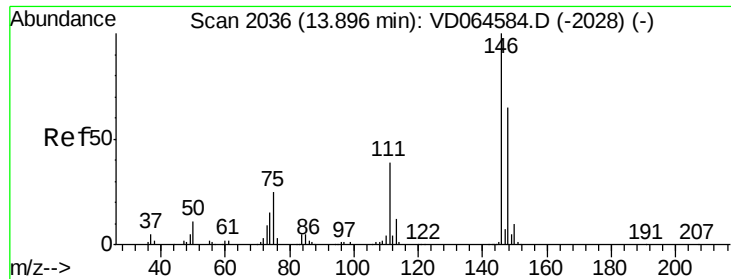
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#90
Hexachloroethane
Concen: 52.703 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064584.D
Acq: 24 Dec 2019 11:46

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	178908		
201	87.9	44.0	131.8	





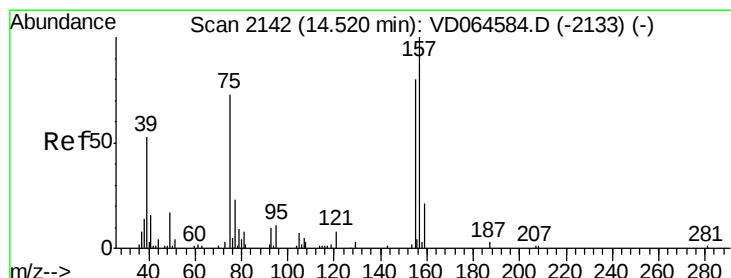
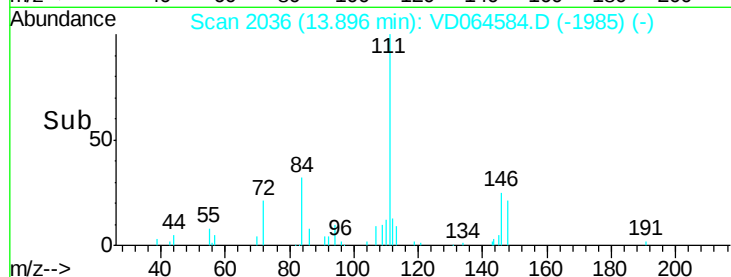
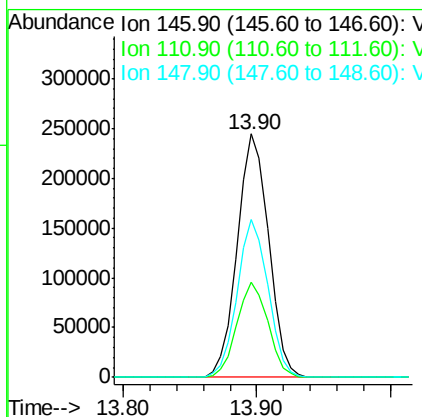
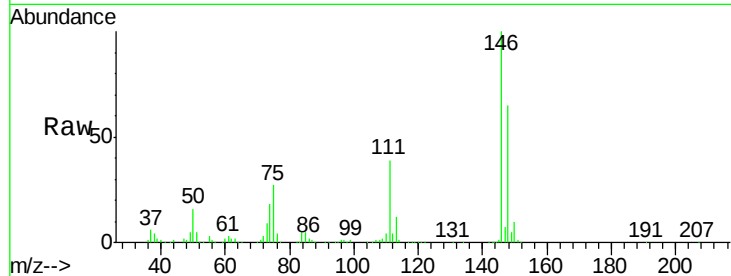
#91
 1,2-Dichlorobenzene
 Concen: 50.889 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064584.D
 Acq: 24 Dec 2019 11:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.3	57.9
148	63.7	31.9	95.5

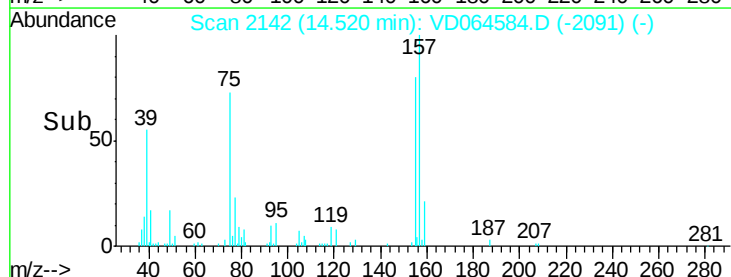
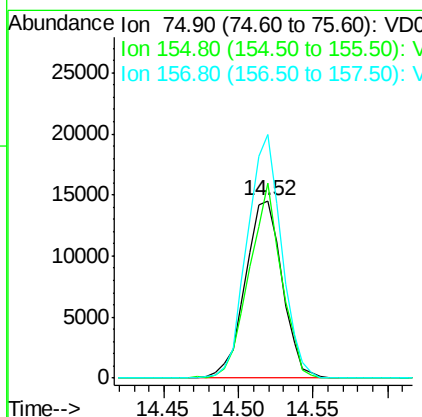
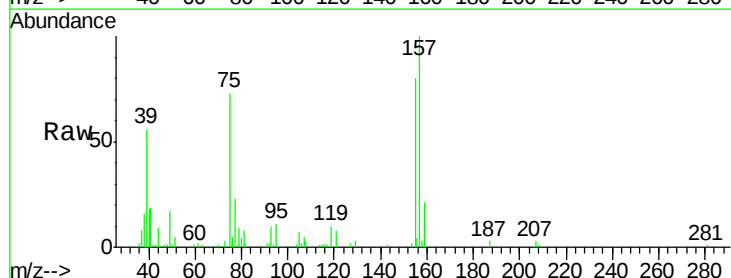
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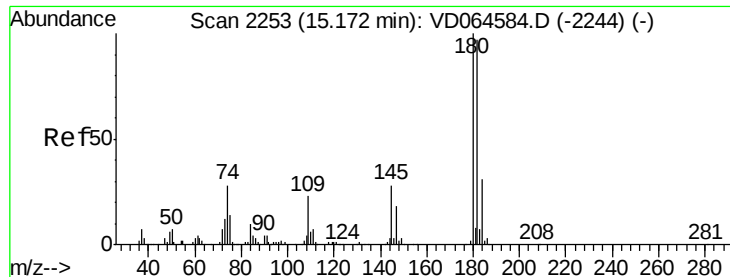
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.899 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD064584.D
 Acq: 24 Dec 2019 11:46

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.0	48.0	144.0
157	128.2	64.1	192.3





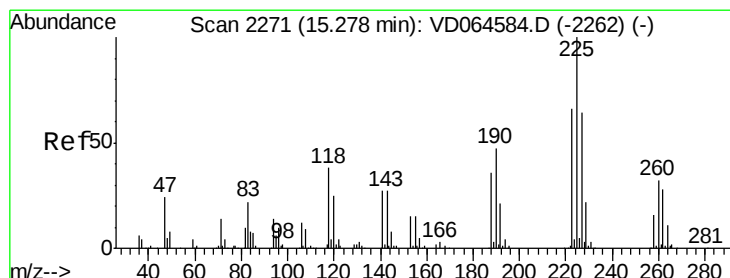
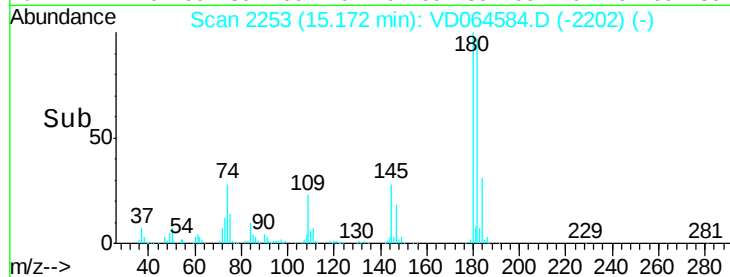
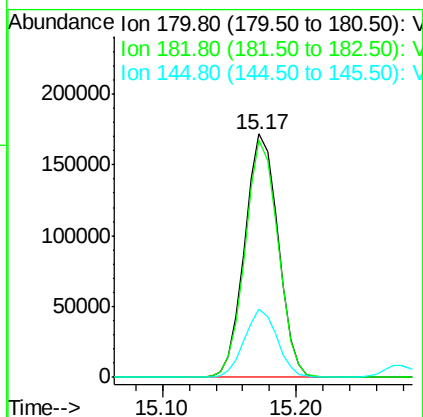
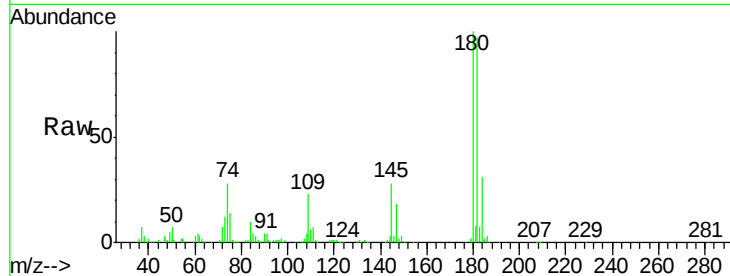
#93
1,2,4-Trichlorobenzene
Concen: 49.543 ug/l
RT: 15.17 min Scan# 2253
Delta R.T. 0.00 min
Lab File: VD064584.D
Acq: 24 Dec 2019 11:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	296156		
182	96.1	48.0	144.2	
145	27.6	13.8	41.4	

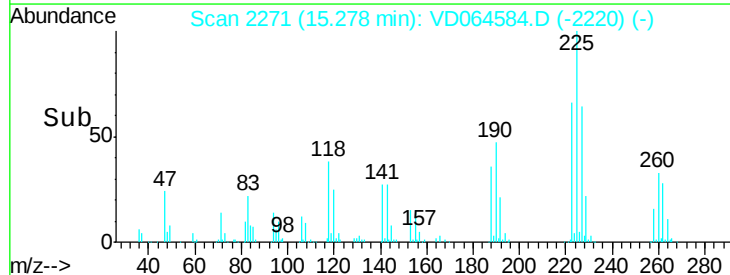
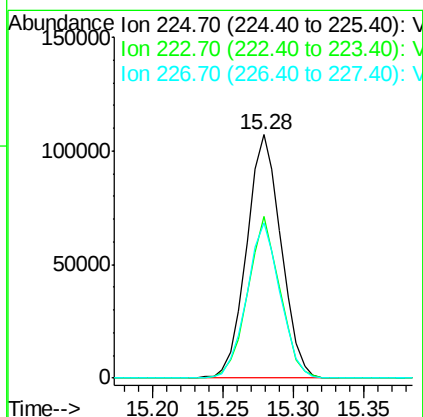
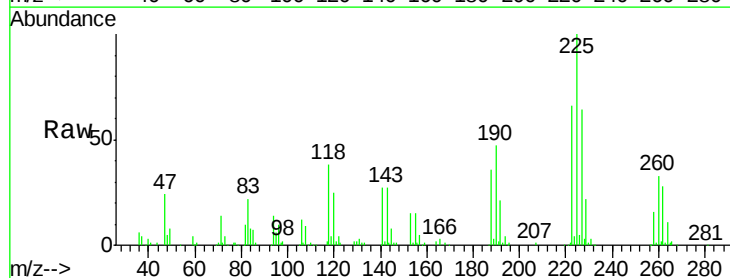
Manual Integrations
APPROVED

apatel
12/26/2019 11:13:57 AM



#94
Hexachlorobutadiene
Concen: 49.909 ug/l
RT: 15.28 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VD064584.D
Acq: 24 Dec 2019 11:46

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	183704		
223	62.1	31.1	93.2	
227	61.8	30.9	92.7	





#95

Naphthalene

Concen: 48.715 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD064584.D

Acq: 24 Dec 2019 11:46

Instrument :

MSVOA_D

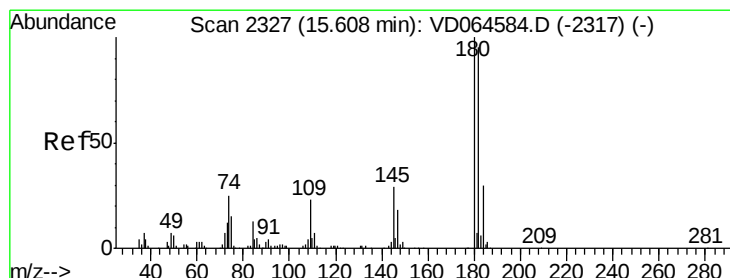
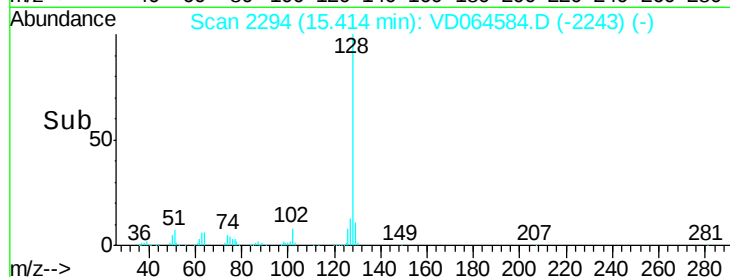
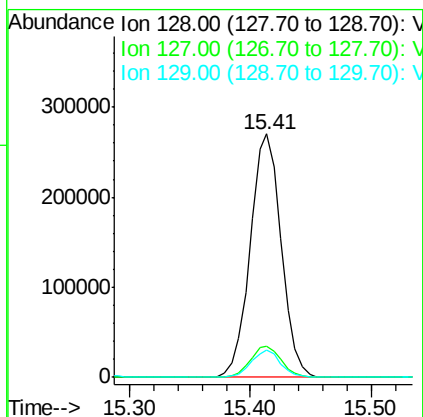
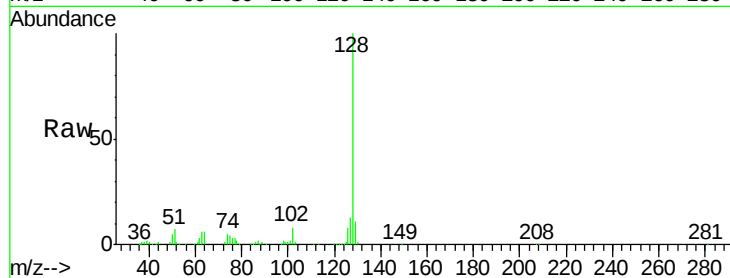
ClientSampleId :

VSTDICCC050

Tot Ion:	128	Resp:	483301
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.3	15.5
129	10.6	8.5	12.7

Manual Integrations
APPROVED

apatel
12/26/2019 11:13:57 AM



#96

1,2,3-Trichlorobenzene

Concen: 49.806 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VD064584.D

Acq: 24 Dec 2019 11:46

Tgt Ion:	180	Resp:	253453
Ion Ratio	Lower	Upper	
180	100		
182	95.8	47.9	143.7
145	29.8	14.9	44.7

