

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120419\
 Data File : VD064409.D
 Acq On : 04 Dec 2019 11:09
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

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 12/5/2019 2:58:57 PM

Quant Time: Dec 05 05:44:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 29 07:18:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	529135	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	765074	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	659562	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	319442	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	253782	52.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.98%	
35) Dibromofluoromethane	7.91	113	260382	54.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.04%	
50) Toluene-d8	10.34	98	999857	55.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.14%	
62) 4-Bromofluorobenzene	12.64	95	320647	54.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	248542	51.839	ug/l	98
3) Chloromethane	2.21	50	300415	49.679	ug/l	99
4) Vinyl Chloride	2.36	62	359333	51.465	ug/l	99
5) Bromomethane	2.77	94	235305	45.572	ug/l	100
6) Chloroethane	2.93	64	231513	49.608	ug/l	98
7) Trichlorofluoromethane	3.27	101	599946	51.688	ug/l	97
8) Diethyl Ether	3.71	74	121933	50.553	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	266695	53.588	ug/l	98
10) Methyl Iodide	4.29	142	292148	55.587	ug/l	99
11) Tert butyl alcohol	5.24	59	67269	220.646	ug/l #	100
12) 1,1-Dichloroethene	4.06	96	255023	53.471	ug/l	99
13) Acrolein	3.93	56	102119	245.572	ug/l	98
14) Allyl chloride	4.71	41	410390	55.136	ug/l	97
15) Acrylonitrile	5.43	53	256696	243.375	ug/l	98
16) Acetone	4.16	43	261258	269.936	ug/l	97
17) Carbon Disulfide	4.40	76	805809	53.346	ug/l	97
18) Methyl Acetate	4.73	43	134847	47.765	ug/l	96
19) Methyl tert-butyl Ether	5.48	73	551338	50.395	ug/l	99
20) Methylene Chloride	4.97	84	260711	53.309	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	283176	52.490	ug/l	99
22) Diisopropyl ether	6.37	45	775300	52.764	ug/l	98
23) Vinyl Acetate	6.31	43	2275582	262.693	ug/l	99
24) 1,1-Dichloroethane	6.27	63	466574	52.800	ug/l	98
25) 2-Butanone	7.22	43	334602	244.459	ug/l	93
26) 2,2-Dichloropropane	7.21	77	433122	56.361	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	311413	52.947	ug/l	99
28) Bromochloromethane	7.55	49	154750	51.243	ug/l	98
29) Tetrahydrofuran	7.57	42	206582	237.225	ug/l	97
30) Chloroform	7.71	83	478582	52.294	ug/l	99
31) Cyclohexane	7.98	56	447140	58.761	ug/l	100
32) 1,1,1-Trichloroethane	7.90	97	459529	54.160	ug/l	99
36) 1,1-Dichloropropene	8.11	75	393426	54.366	ug/l	98
37) Ethyl Acetate	7.30	43	155678	50.700	ug/l	100
38) Carbon Tetrachloride	8.10	117	423394	55.435	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	492556	54.871	ug/l	97
40) Benzene	8.35	78	1063440	52.910	ug/l	100
41) Methacrylonitrile	7.53	41	91970	52.228	ug/l	97
42) 1,2-Dichloroethane	8.43	62	299898	51.165	ug/l	99
43) Isopropyl Acetate	8.46	43	302379	50.084	ug/l	99
44) Trichloroethene	9.11	130	312857	51.675	ug/l	99
45) 1,2-Dichloropropane	9.39	63	256135	53.286	ug/l	98
46) Dibromomethane	9.47	93	138241	50.956	ug/l	99
47) Bromodichloromethane	9.66	83	365794	52.475	ug/l	97
48) Methyl methacrylate	9.46	41	139826	50.612	ug/l	95
49) 1,4-Dioxane	9.47	88	32478	969.461	ug/l	99
51) 4-Methyl-2-Pentanone	10.23	43	725085	242.726	ug/l	100
52) Toluene	10.40	92	687887	52.516	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	354656	53.384	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	423991	53.722	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	185544	49.947	ug/l	98
56) Ethyl methacrylate	10.66	69	237213	50.066	ug/l	100
57) 1,3-Dichloropropane	10.95	76	320303	50.652	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	461933	244.570	ug/l	99
59) 2-Hexanone	10.99	43	513113	247.542	ug/l	100
60) Dibromochloromethane	11.14	129	252895	50.210	ug/l	98
61) 1,2-Dibromoethane	11.25	107	182247	49.135	ug/l	97
64) Tetrachloroethene	10.88	164	271622	54.004	ug/l	96
65) Chlorobenzene	11.67	112	724590	52.673	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	271990	53.411	ug/l	99
67) Ethyl Benzene	11.75	91	1335482	54.564	ug/l	98
68) m/p-Xylenes	11.86	106	1021997	109.512	ug/l	99
69) o-Xylene	12.18	106	465275	53.983	ug/l	99
70) Styrene	12.20	104	802488	53.579	ug/l	99
71) Bromoform	12.37	173	151487	49.721	ug/l #	98
73) Isopropylbenzene	12.48	105	1283810	55.879	ug/l	100
74) N-amyl acetate	12.30	43	272862	52.329	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.74	83	189732	49.939	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	148940m	56.696	ug/l	
77) Bromobenzene	12.77	156	304246	53.626	ug/l	99
78) n-propylbenzene	12.83	91	1486233	56.067	ug/l	99
79) 2-Chlorotoluene	12.91	91	800692	54.894	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	1047336	55.784	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	64822	53.805	ug/l	97
82) 4-Chlorotoluene	13.01	91	847169	54.856	ug/l	100
83) tert-Butylbenzene	13.23	119	909500	55.721	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	1028582	54.484	ug/l	98
85) sec-Butylbenzene	13.41	105	1261313	56.304	ug/l	99
86) p-Isopropyltoluene	13.53	119	1196931	56.594	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	579286	53.796	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	563328	52.988	ug/l	99
89) n-Butylbenzene	13.86	91	1094804	57.002	ug/l	99
90) Hexachloroethane	14.13	117	218443	55.221	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	486100	52.822	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	31562	56.135	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	379110	53.791	ug/l	98
94) Hexachlorobutadiene	15.28	225	237870	54.671	ug/l	97
95) Naphthalene	15.41	128	602620	51.234	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	317524	52.779	ug/l	100

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

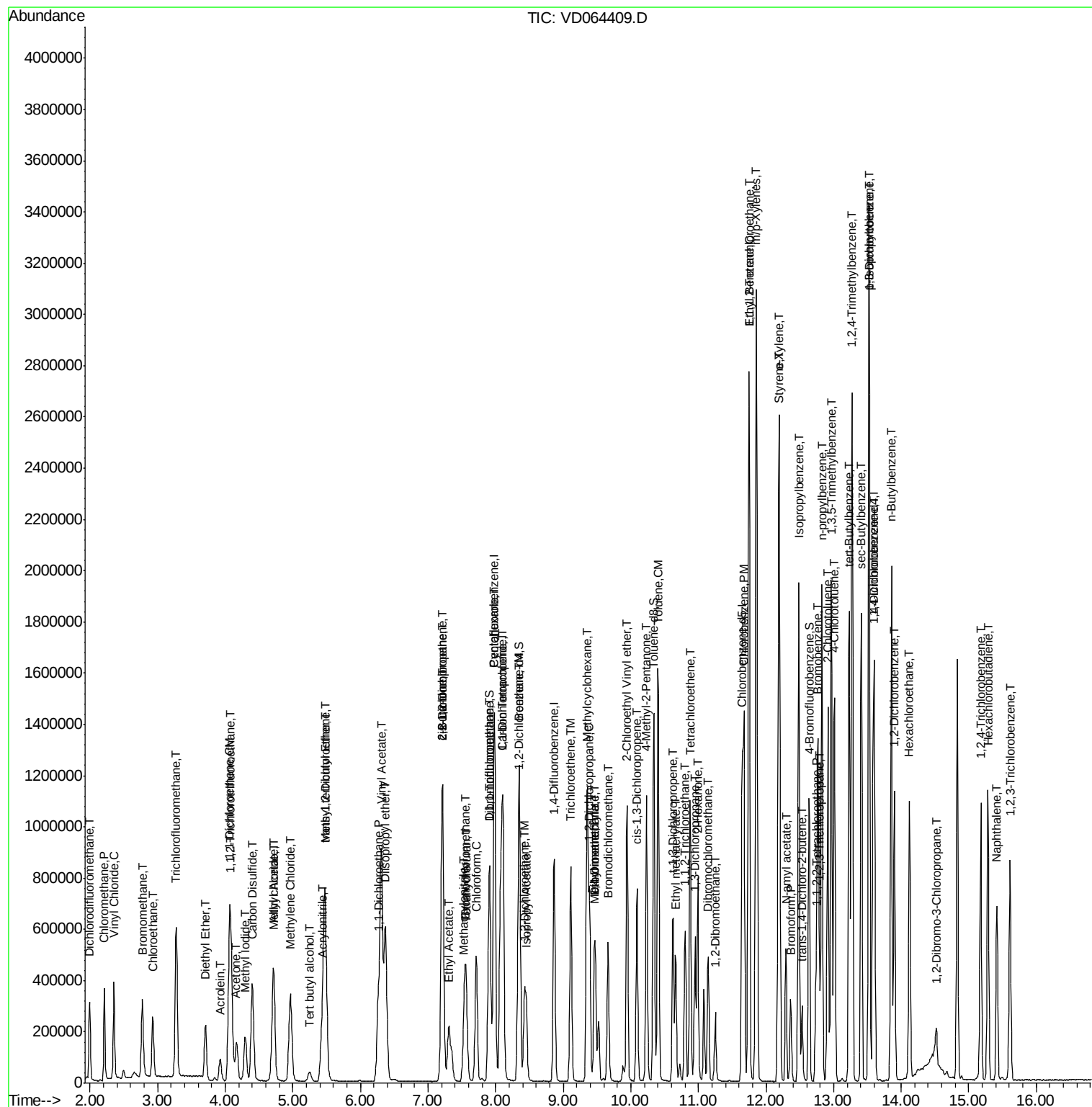
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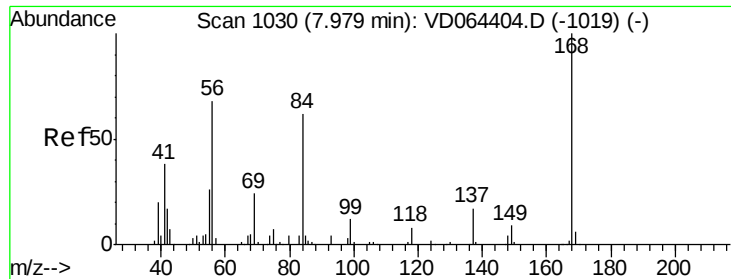
Instrument :
 MSVOA_D
 ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD064409.D

Acq: 04 Dec 2019 11:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 529135

Ion Ratio Lower Upper

168 100

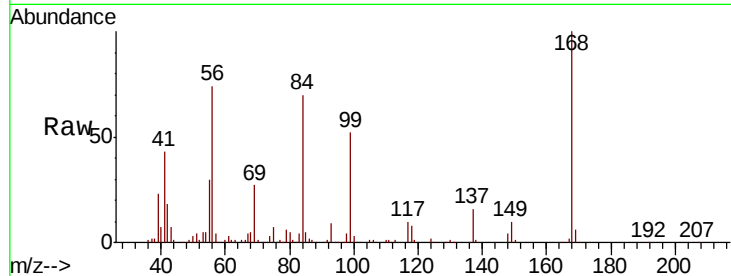
99 51.7 40.7 61.1

Manual Integrations

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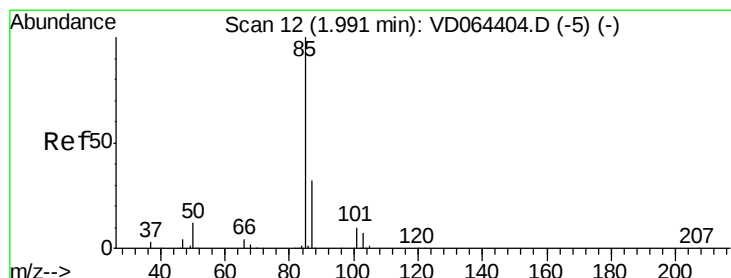
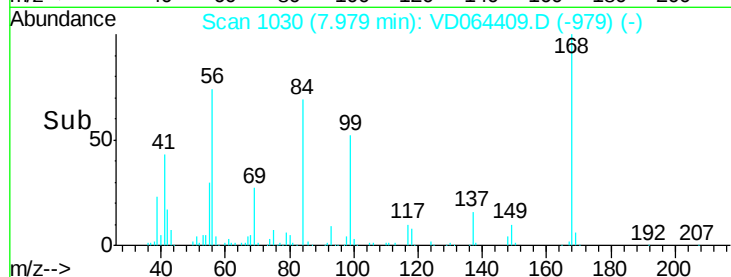
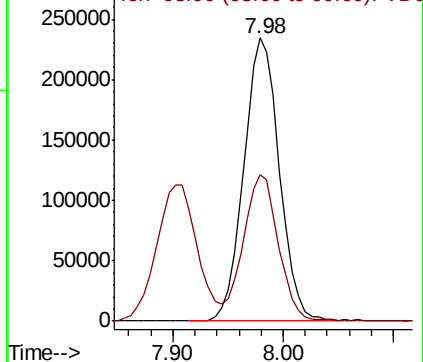
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 51.839 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064409.D

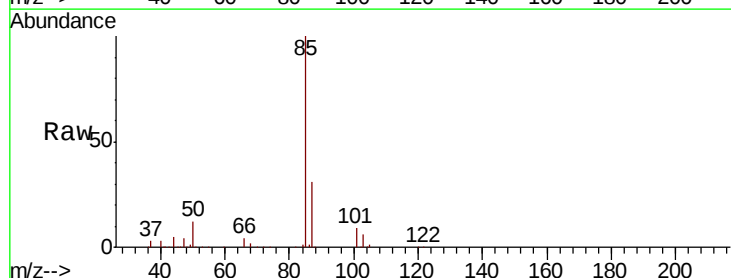
Acq: 04 Dec 2019 11:09

Tgt Ion: 85 Resp: 248542

Ion Ratio Lower Upper

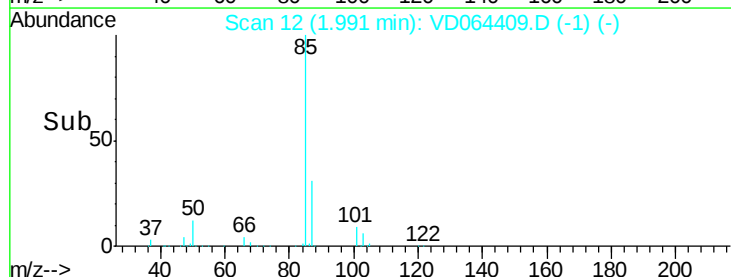
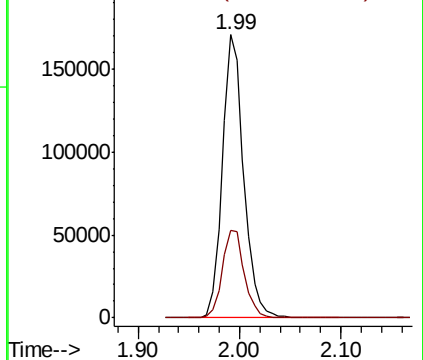
85 100

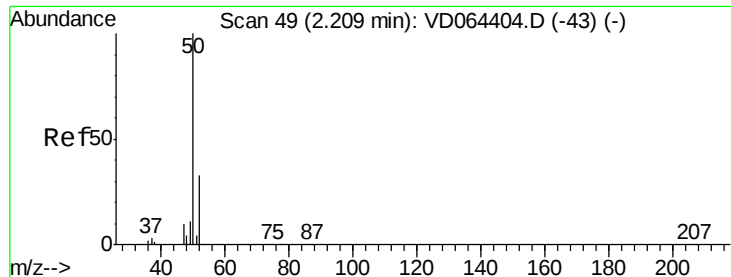
87 31.1 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 49.679 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064409.D

Acq: 04 Dec 2019 11:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 300415

Ion Ratio Lower Upper

50 100

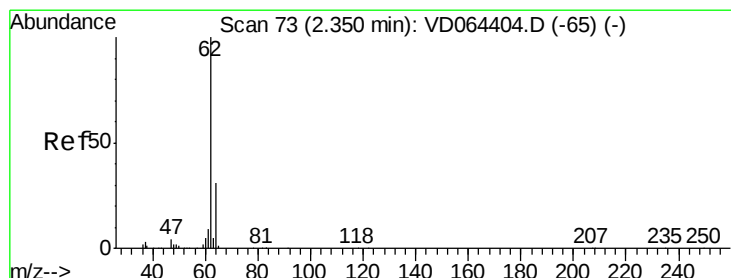
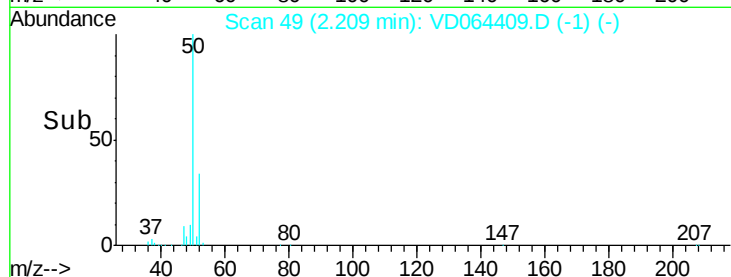
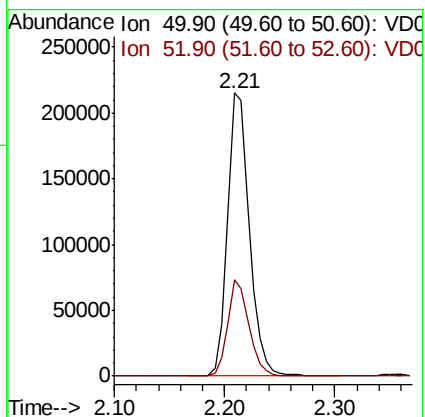
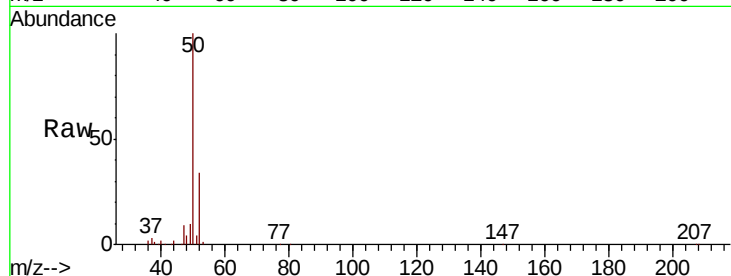
52 34.0 26.7 40.1

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#4

Vinyl Chloride

Concen: 51.465 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD064409.D

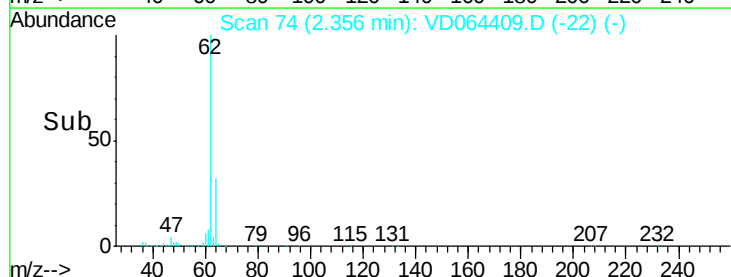
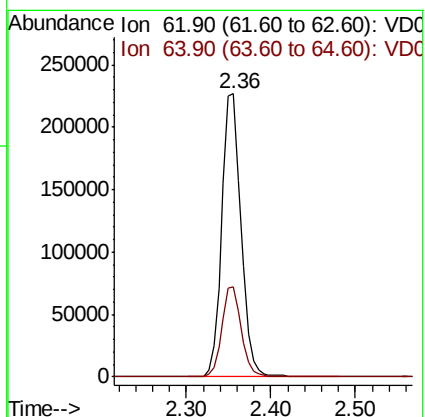
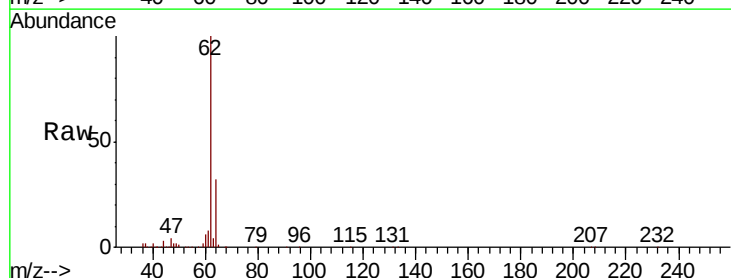
Acq: 04 Dec 2019 11:09

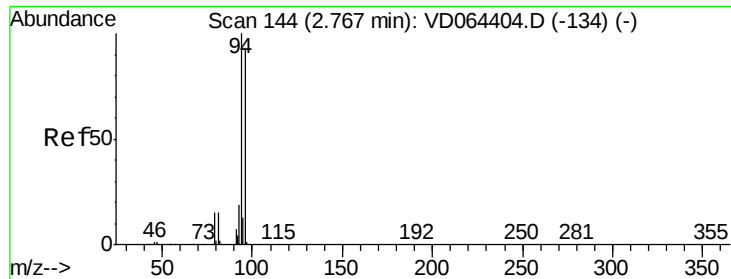
Tgt Ion: 62 Resp: 359333

Ion Ratio Lower Upper

62 100

64 31.7 25.0 37.4





#5

Bromomethane

Concen: 45.572 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.01 min

Lab File: VD064409.D

Acq: 04 Dec 2019 11:09

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 235305

Ion Ratio Lower Upper

94 100

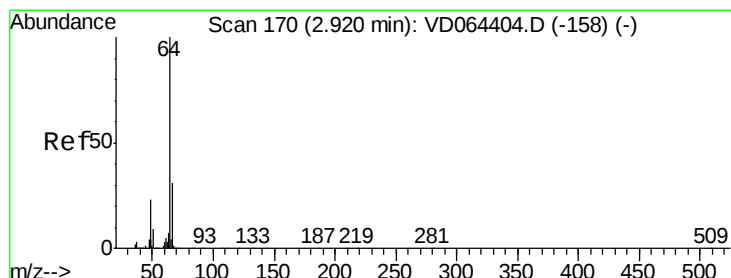
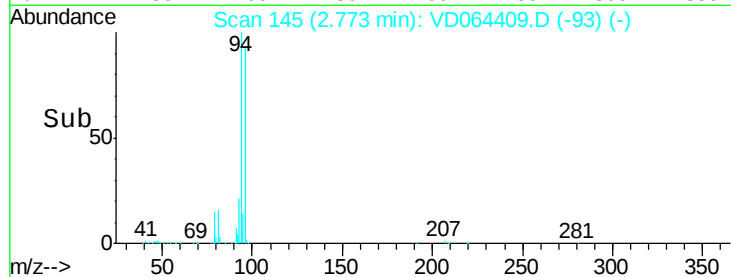
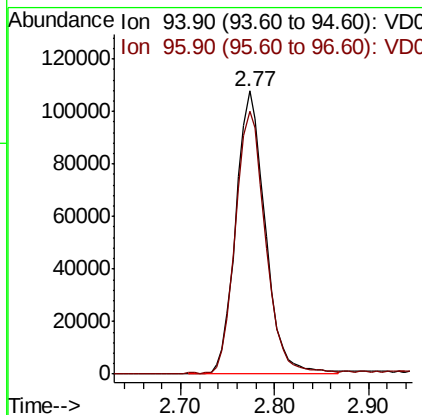
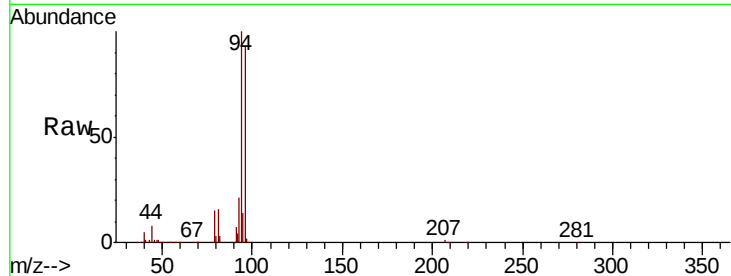
96 92.2 73.6 110.4

Manual Integrations

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#6

Chloroethane

Concen: 49.608 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD064409.D

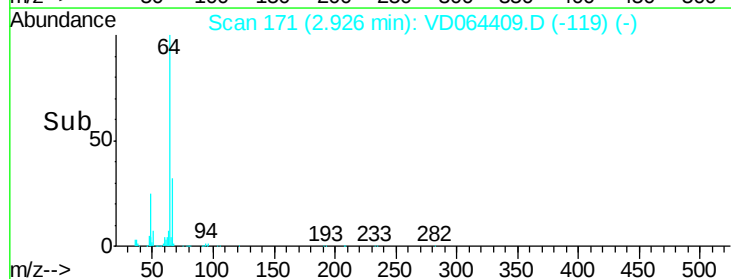
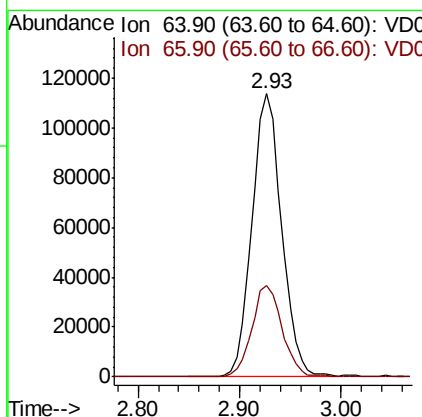
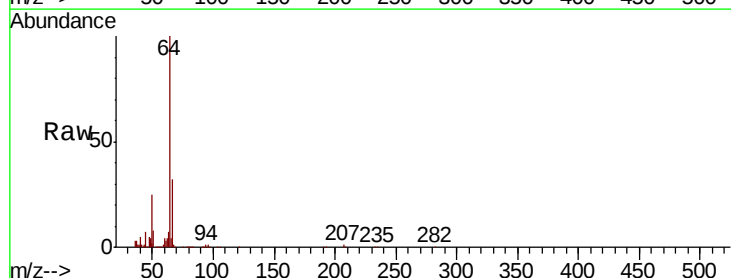
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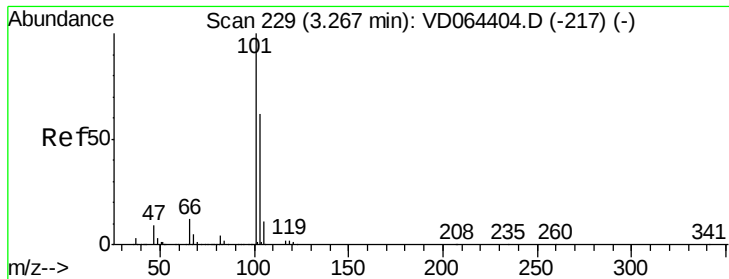
Tgt Ion: 64 Resp: 231513

Ion Ratio Lower Upper

64 100

66 32.0 24.6 37.0





#7

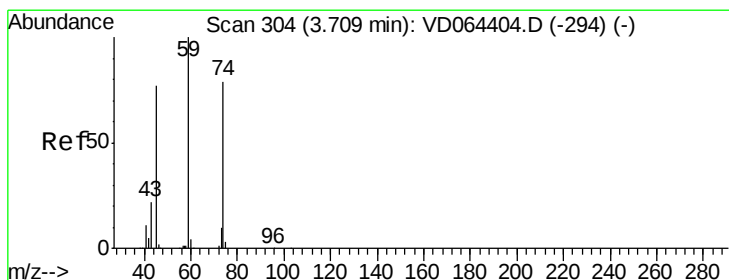
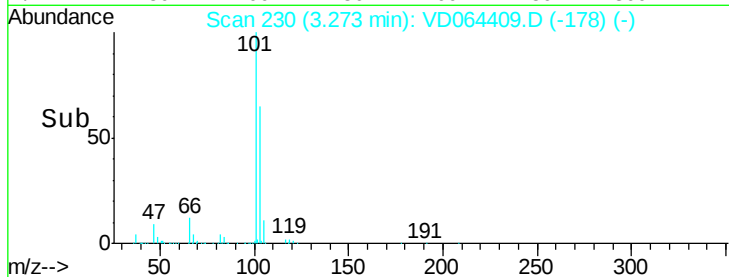
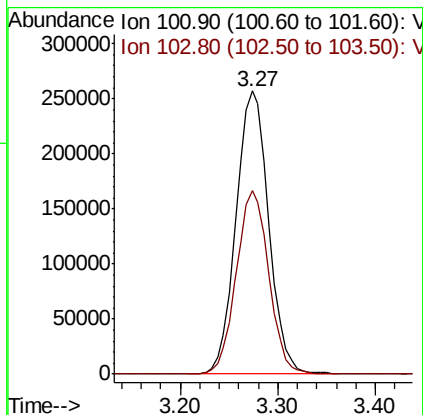
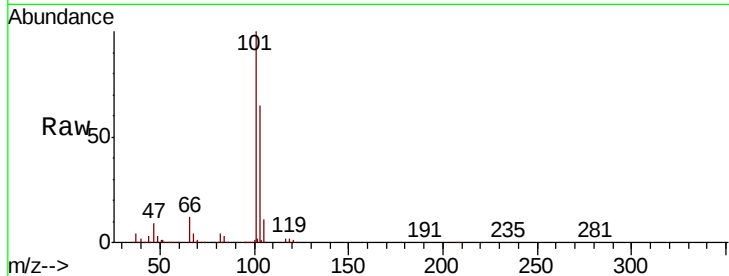
Trichlorofluoromethane
Concen: 51.688 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.01 min
Lab File: VD064409.D
Acq: 04 Dec 2019 11:09

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	599946		
103	64.6	49.8	74.6	

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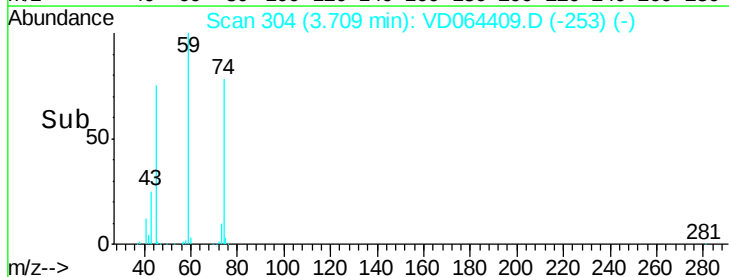
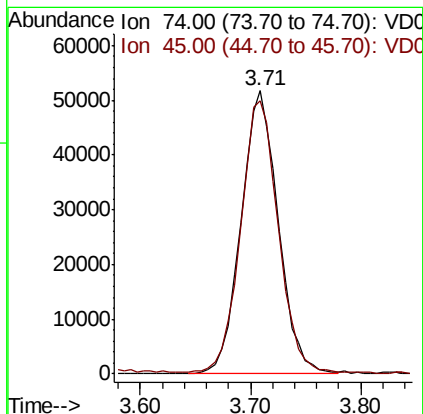
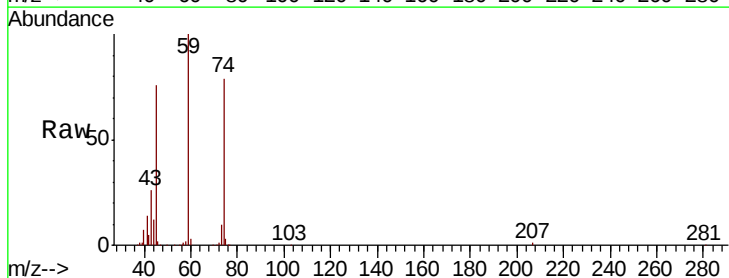
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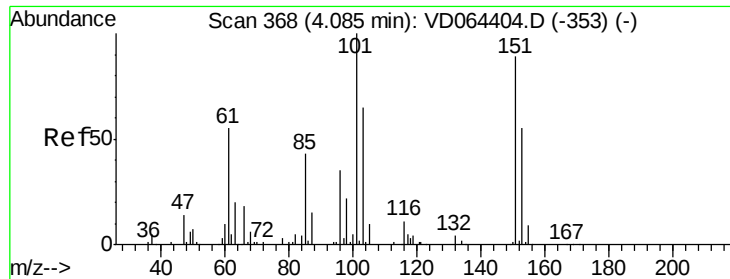


#8

Diethyl Ether
Concen: 50.553 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD064409.D
Acq: 04 Dec 2019 11:09

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	121933		
45	97.3	48.6	145.9	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.588 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD064409.D

Acq: 04 Dec 2019 11:09

Instrument :

MSVOA_D

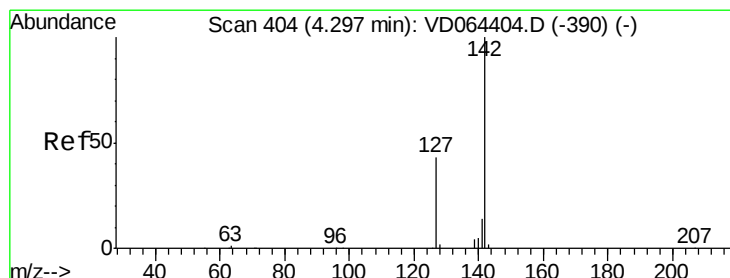
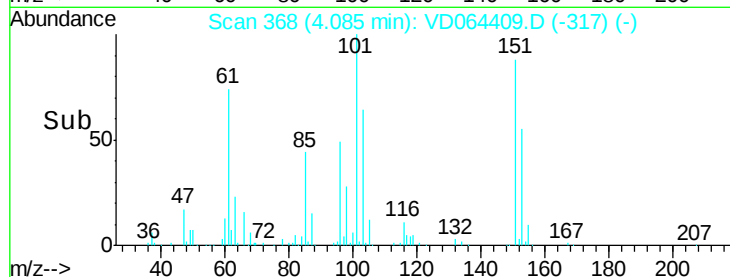
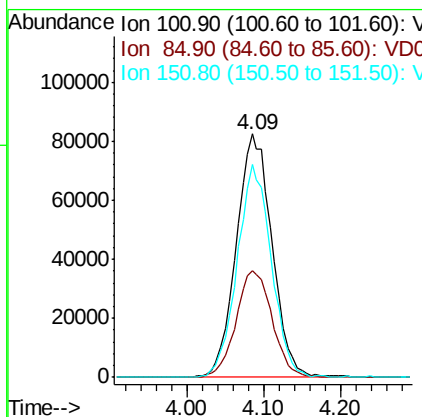
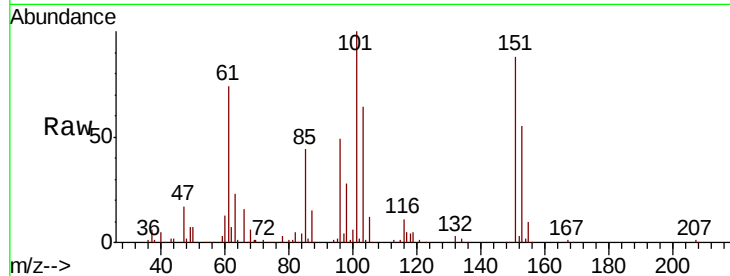
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	266695
Ion Ratio	Lower	Upper	
101	100		
85	44.4	34.8	52.2
151	83.7	68.8	103.2

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#10

Methyl Iodide

Concen: 55.587 ug/l

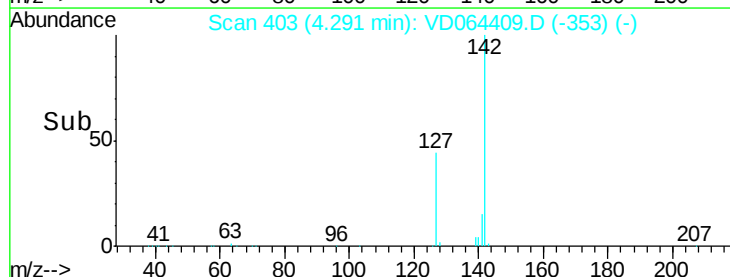
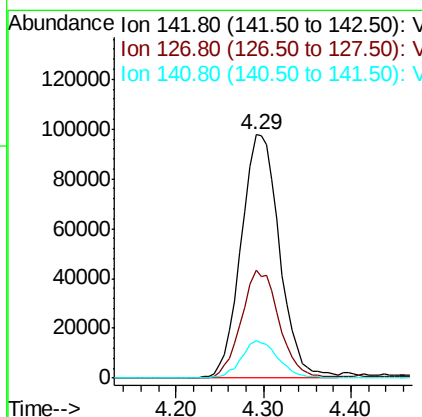
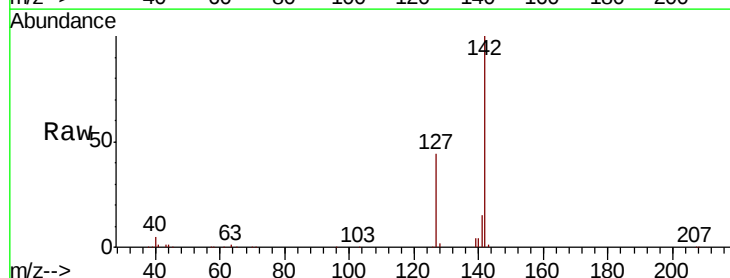
RT: 4.29 min Scan# 403

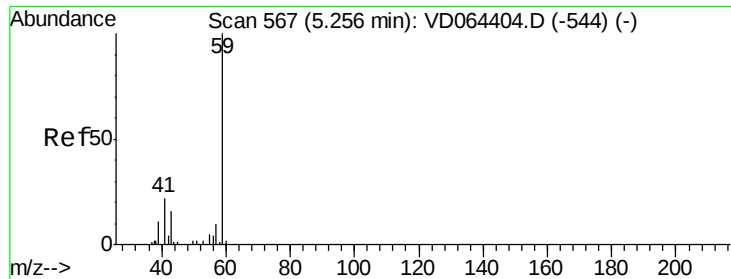
Delta R.T. -0.01 min

Lab File: VD064409.D

Acq: 04 Dec 2019 11:09

Tgt Ion:	142	Resp:	292148
Ion Ratio	Lower	Upper	
142	100		
127	43.5	35.3	52.9
141	14.7	11.6	17.4





#11

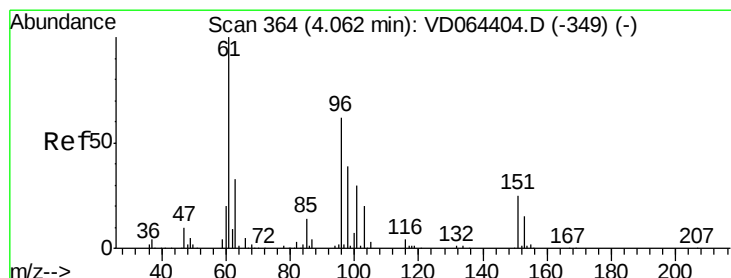
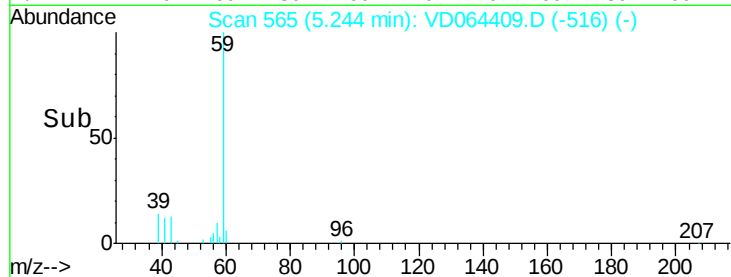
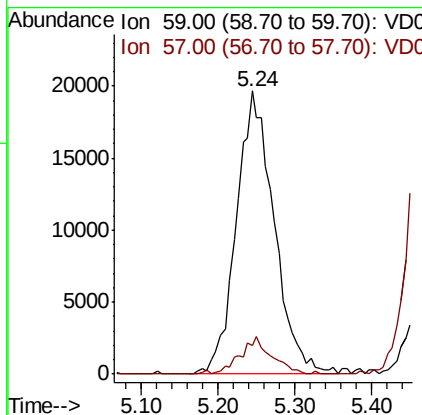
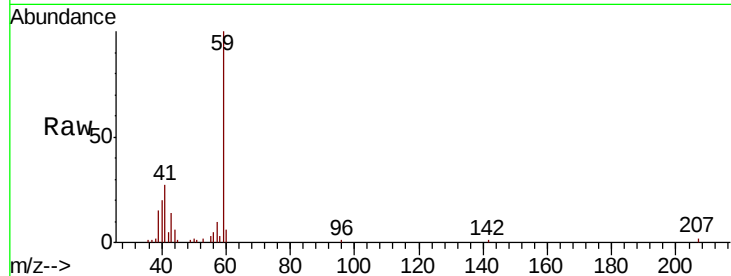
Tert butyl alcohol
Concen: 220.646 ug/l
RT: 5.24 min Scan# 565
Delta R.T. -0.01 min
Lab File: VD064409.D
Acq: 04 Dec 2019 11:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 67269
Ion Ratio Lower Upper
59 100
57 10.9 0.0 0.0#

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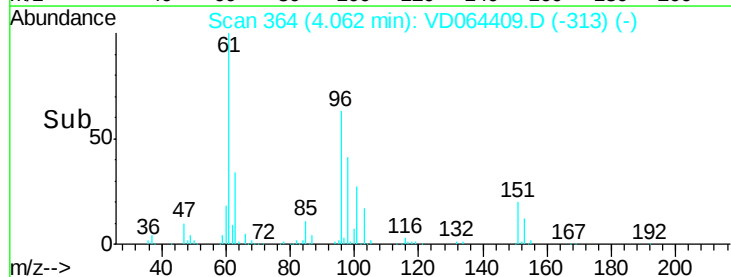
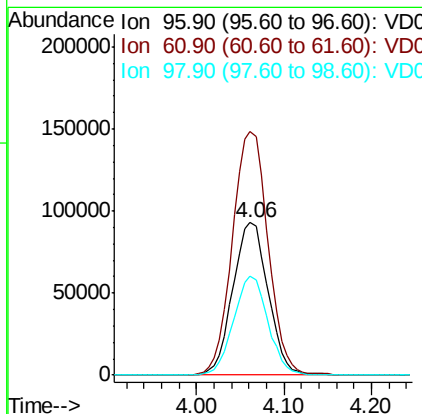
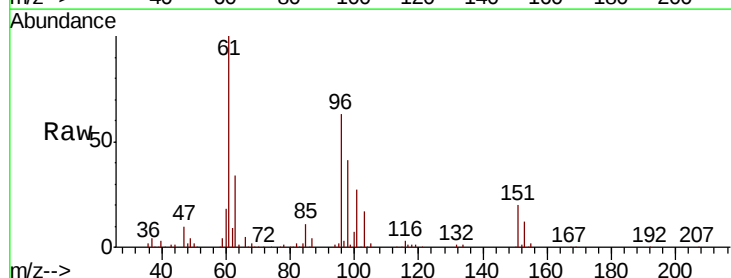
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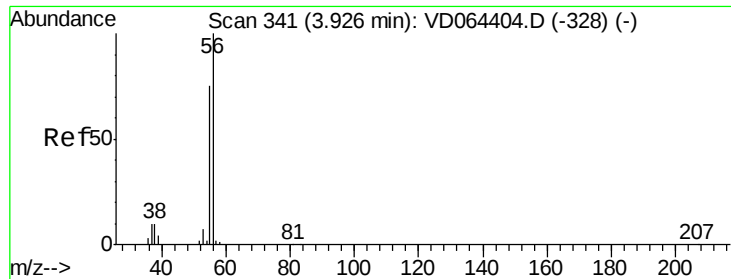


#12

1,1-Dichloroethene
Concen: 53.471 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD064409.D
Acq: 04 Dec 2019 11:09

Tgt Ion: 96 Resp: 255023
Ion Ratio Lower Upper
96 100
61 159.8 128.2 192.4
98 64.8 50.4 75.6





#13

Acrolein

Concen: 245.572 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD064409.D

Acq: 04 Dec 2019 11:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 102119

Ion Ratio Lower Upper

56 100

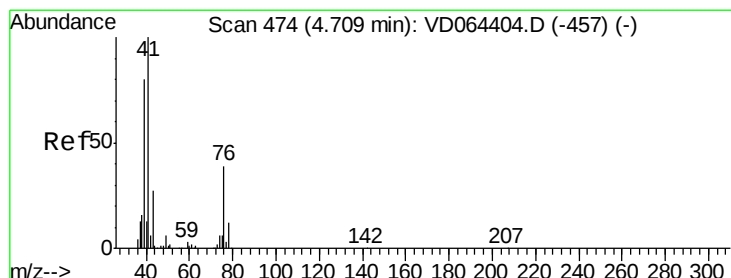
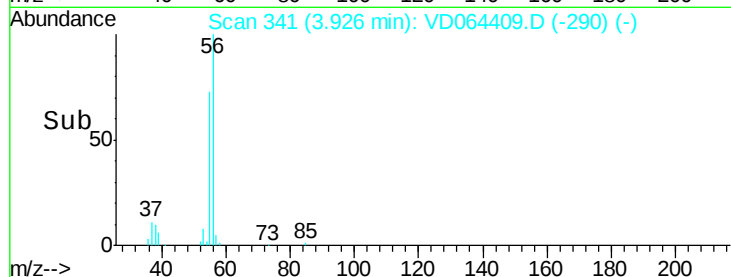
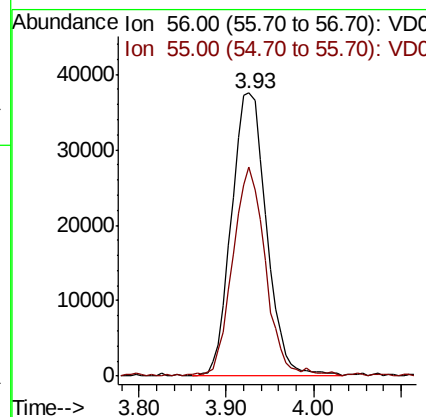
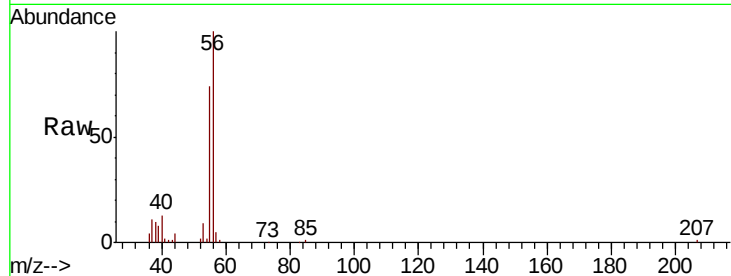
55 69.6 56.9 85.3

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#14

Allyl chloride

Concen: 55.136 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD064409.D

Acq: 04 Dec 2019 11:09

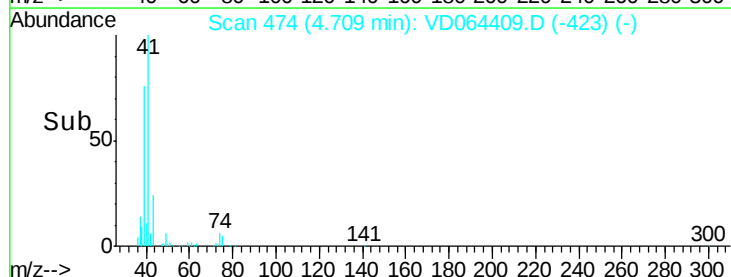
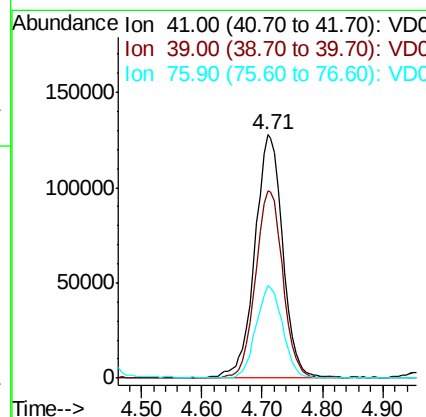
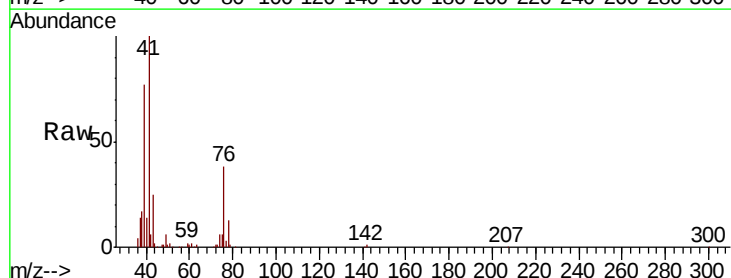
Tgt Ion: 41 Resp: 410390

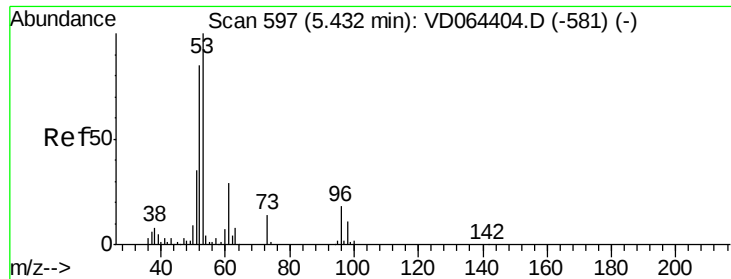
Ion Ratio Lower Upper

41 100

39 74.9 62.1 93.1

76 36.4 29.8 44.8





#15

Acrylonitrile

Concen: 243.375 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD064409.D

Acq: 04 Dec 2019 11:09

Instrument :

MSVOA_D

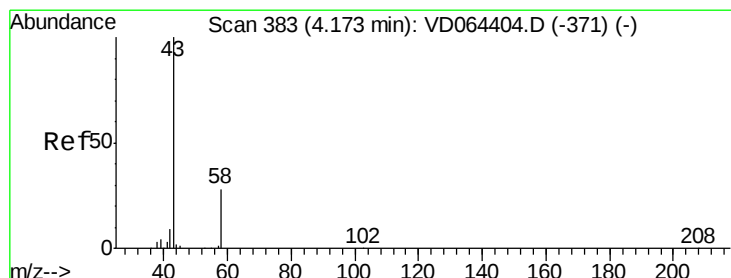
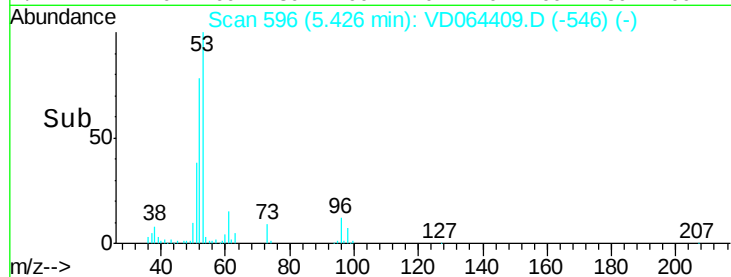
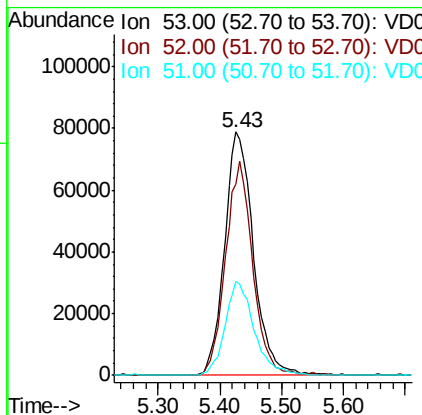
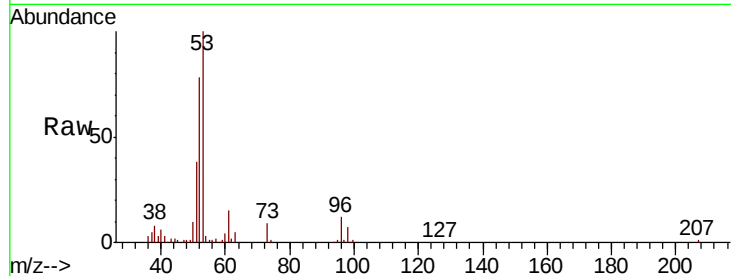
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	256696
Ion	Ratio	Lower	Upper
53	100		
52	82.3	67.9	101.9
51	38.7	30.6	45.8

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#16

Acetone

Concen: 269.936 ug/l

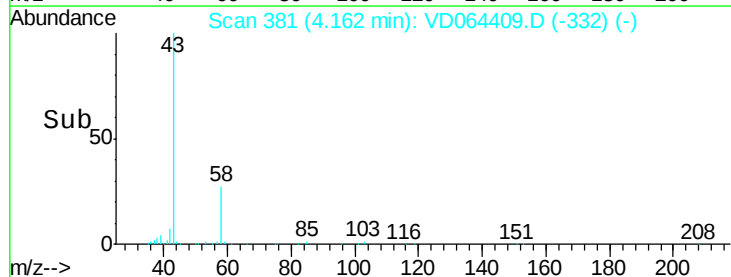
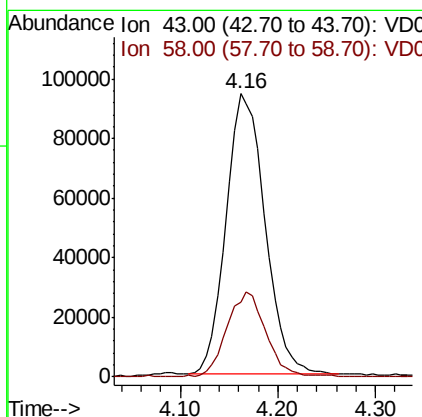
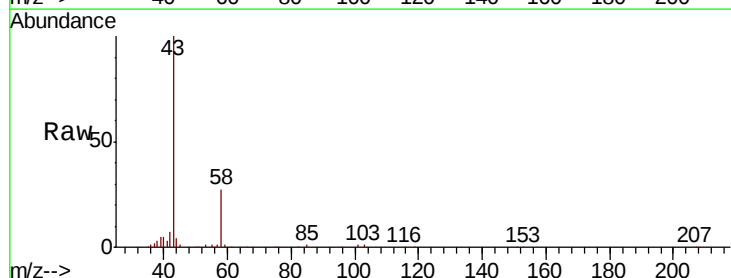
RT: 4.16 min Scan# 381

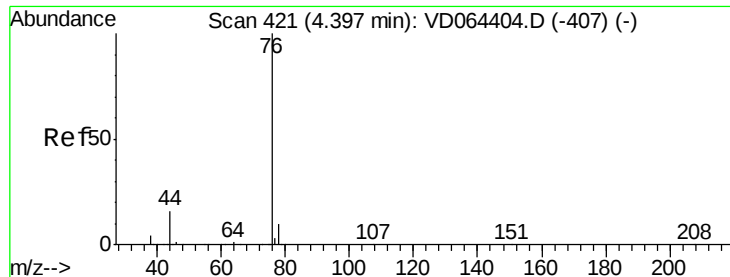
Delta R.T. -0.01 min

Lab File: VD064409.D

Acq: 04 Dec 2019 11:09

Tgt Ion:	43	Resp:	261258
Ion	Ratio	Lower	Upper
43	100		
58	26.5	22.6	33.8





#17

Carbon Disulfide

Concen: 53.346 ug/l

RT: 4.40 min Scan# 421

Delta R.T. 0.00 min

Lab File: VD064409.D

Acq: 04 Dec 2019 11:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 805809

Ion Ratio Lower Upper

76 100

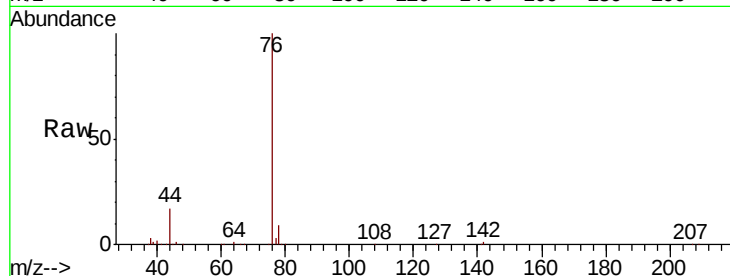
78 8.7 7.8 11.8

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.40

300000

250000

200000

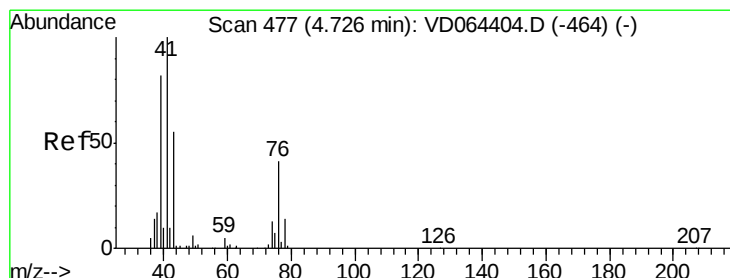
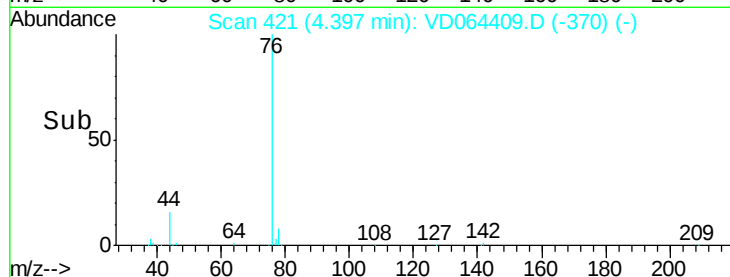
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 47.765 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.00 min

Lab File: VD064409.D

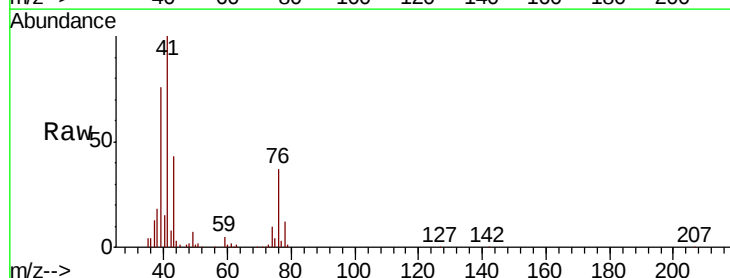
Acq: 04 Dec 2019 11:09

Tgt Ion: 43 Resp: 134847

Ion Ratio Lower Upper

43 100

74 22.8 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

50000

40000

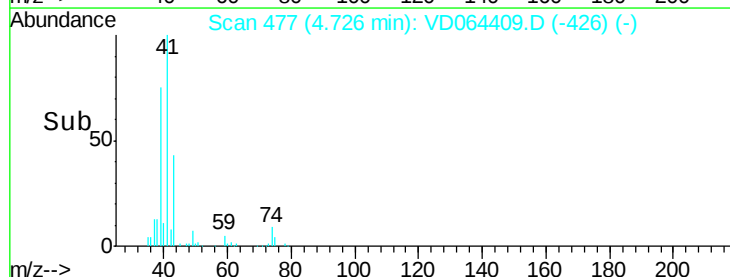
30000

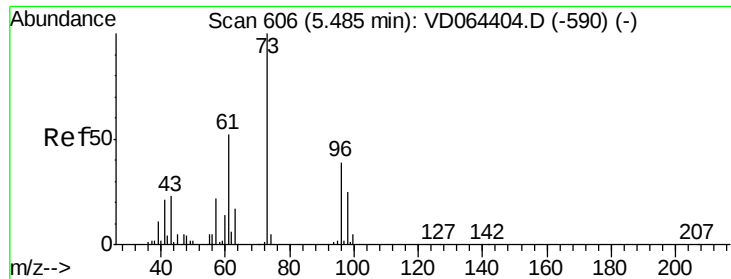
20000

10000

0

Time-->





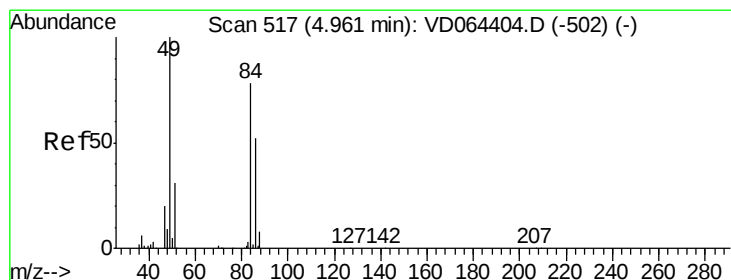
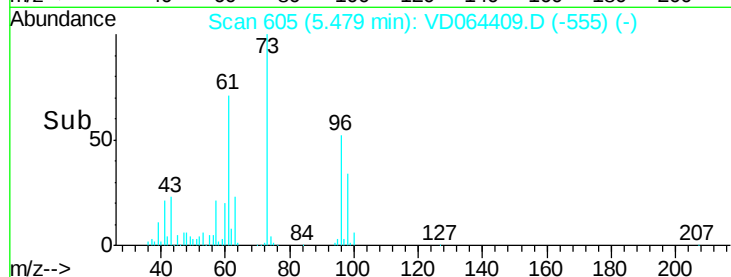
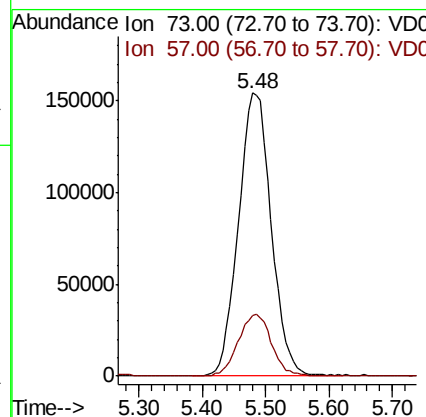
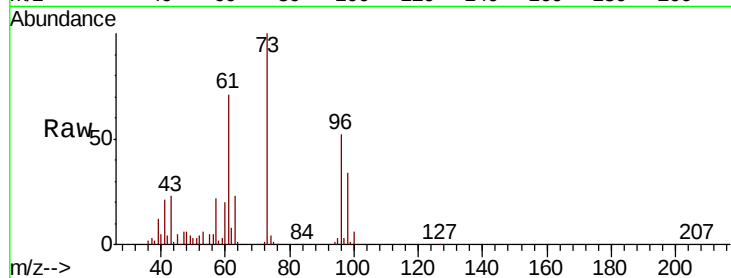
#19
Methvl tert-butvl Ether
Concen: 50.395 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD064409.D
Acq: 04 Dec 2019 11:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 551338
Ion Ratio Lower Upper
73 100
57 21.5 17.6 26.4

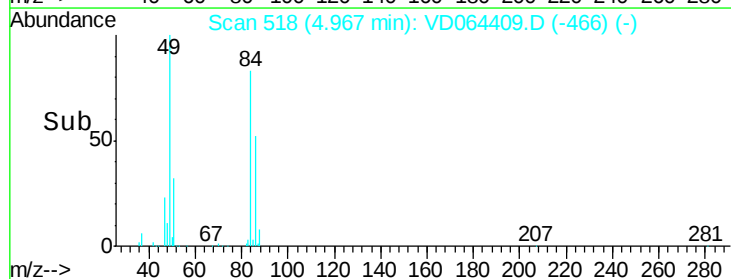
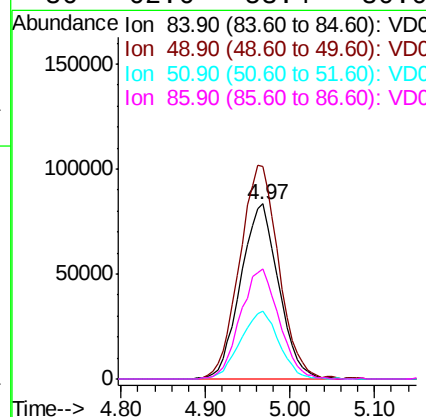
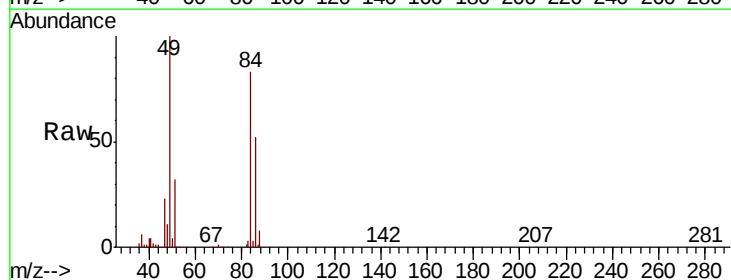
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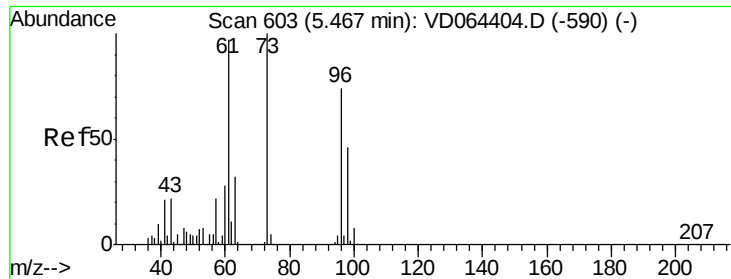
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#20
Methylene Chloride
Concen: 53.309 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD064409.D
Acq: 04 Dec 2019 11:09

Tgt Ion: 84 Resp: 260711
Ion Ratio Lower Upper
84 100
49 121.1 102.6 153.8
51 38.7 32.0 48.0
86 62.6 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 52.490 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.00 min

Lab File: VD064409.D

Acq: 04 Dec 2019 11:09

Instrument :

MSVOA_D

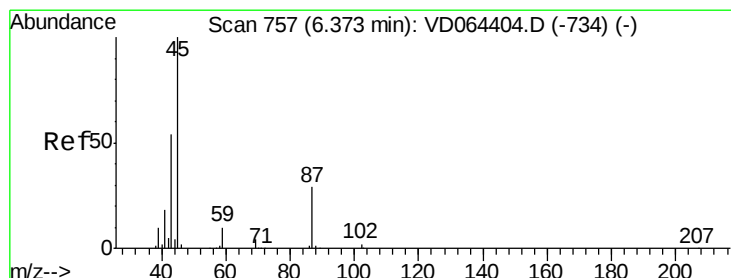
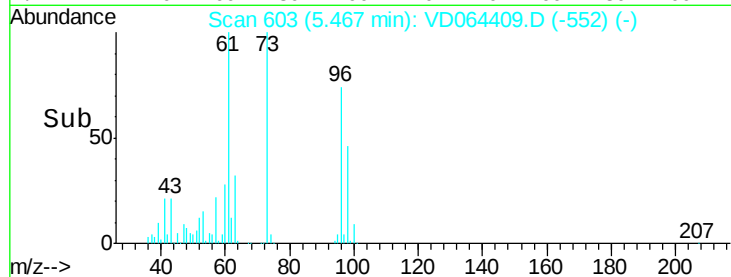
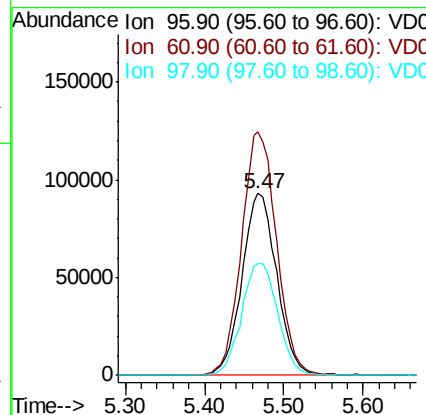
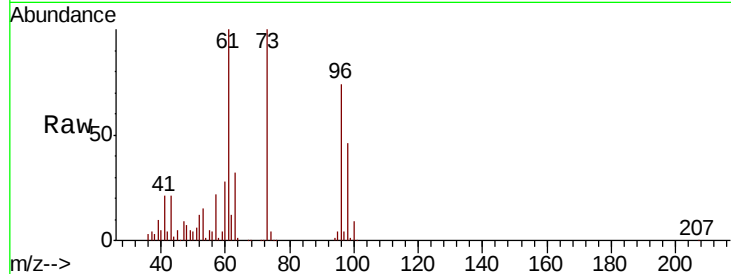
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	283176
Ion	Ratio	Lower	Upper
96	100		
61	133.9	105.8	158.6
98	61.6	50.1	75.1

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#22

Diisopropyl ether

Concen: 52.764 ug/l

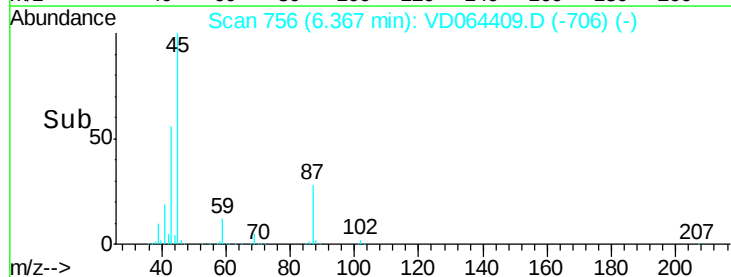
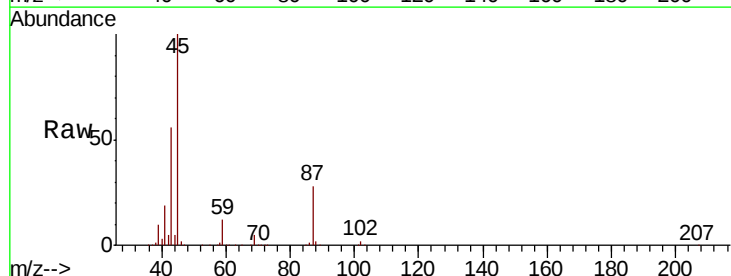
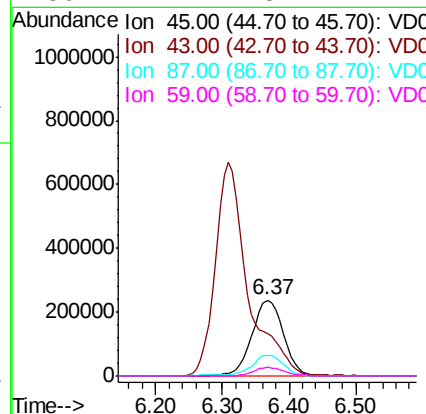
RT: 6.37 min Scan# 756

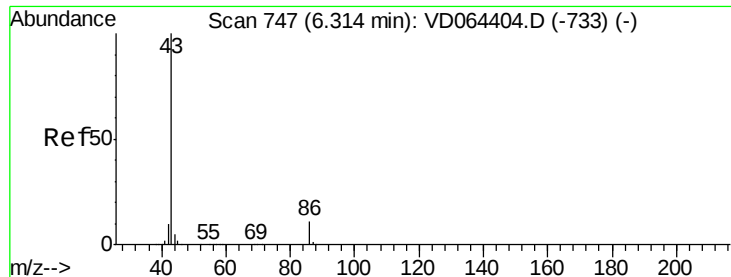
Delta R.T. -0.01 min

Lab File: VD064409.D

Acq: 04 Dec 2019 11:09

Tgt Ion:	45	Resp:	775300
Ion	Ratio	Lower	Upper
45	100		
43	55.2	43.1	64.7
87	27.6	23.5	35.3
59	11.4	8.2	12.2





#23

Vinyl Acetate

Concen: 262.693 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064409.D

Acq: 04 Dec 2019 11:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2275582

Ion Ratio Lower Upper

43 100

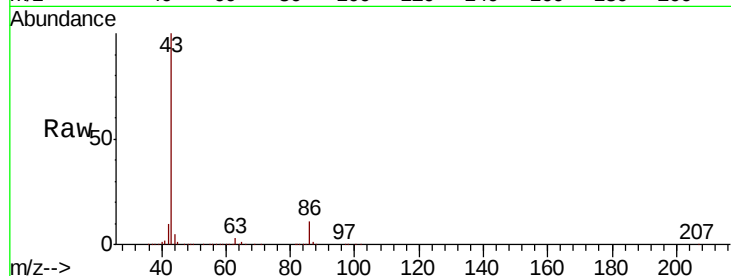
86 10.8 8.9 13.3

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

800000

600000

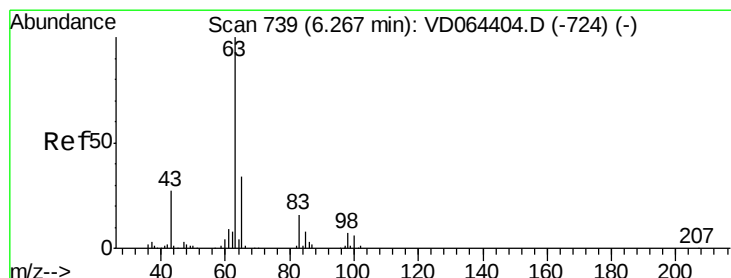
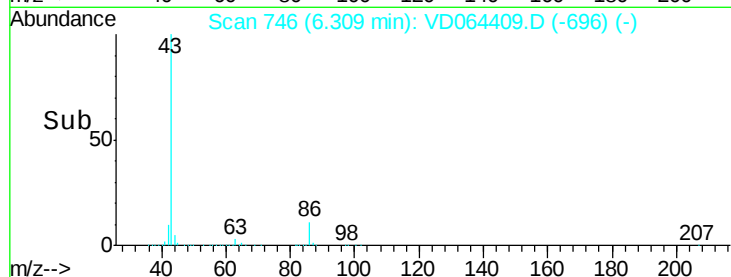
400000

200000

0

Time-->

6.20 6.30 6.40 6.50



#24

1,1-Dichloroethane

Concen: 52.800 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD064409.D

Acq: 04 Dec 2019 11:09

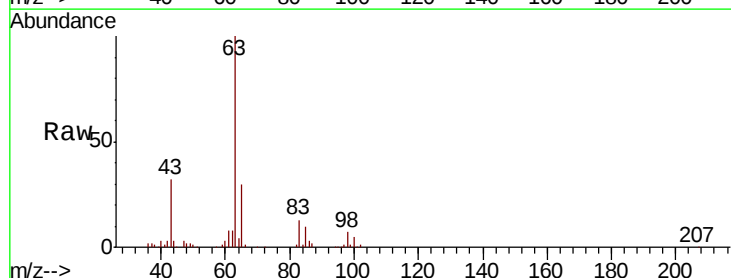
Tgt Ion: 63 Resp: 466574

Ion Ratio Lower Upper

63 100

98 7.0 3.6 10.9

100 4.7 2.9 8.6



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

200000

150000

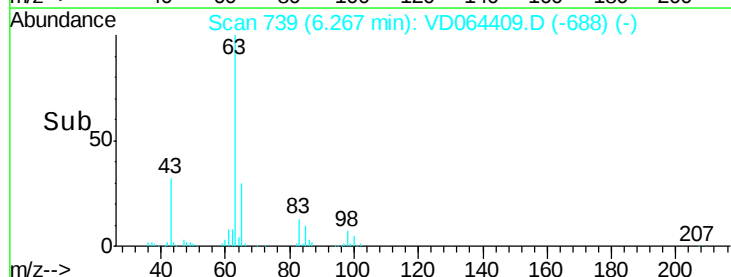
100000

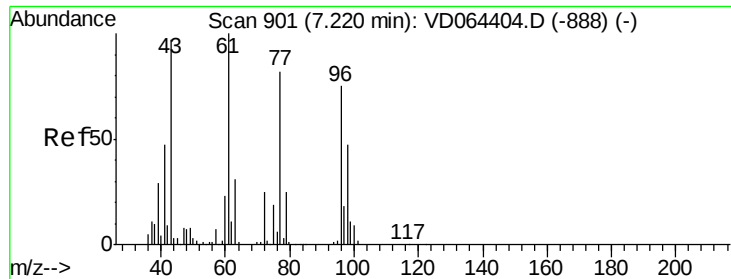
50000

0

Time-->

6.10 6.20 6.30 6.40





#25

2-Butanone

Concen: 244.459 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064409.D

Acq: 04 Dec 2019 11:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 334602

Ion Ratio Lower Upper

43 100

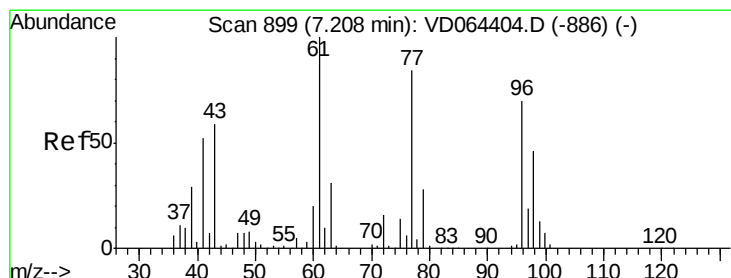
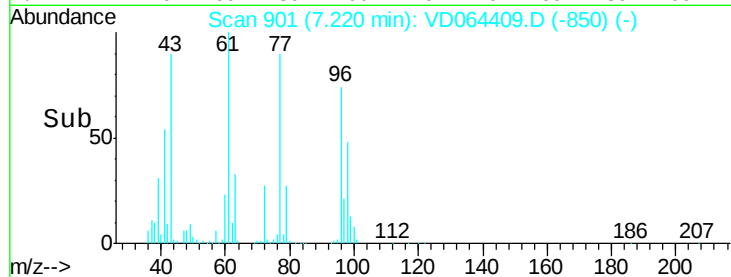
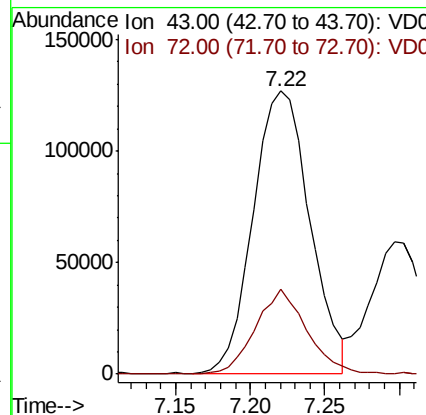
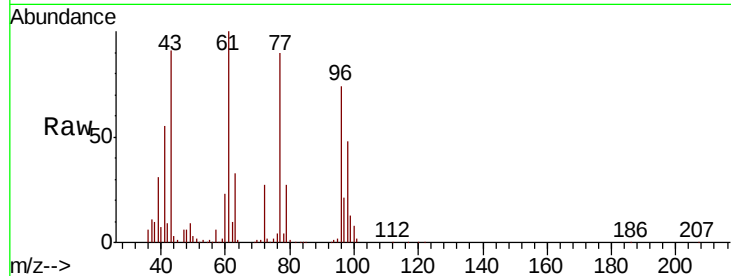
72 29.9 21.0 31.4

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#26

2,2-Dichloropropane

Concen: 56.361 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD064409.D

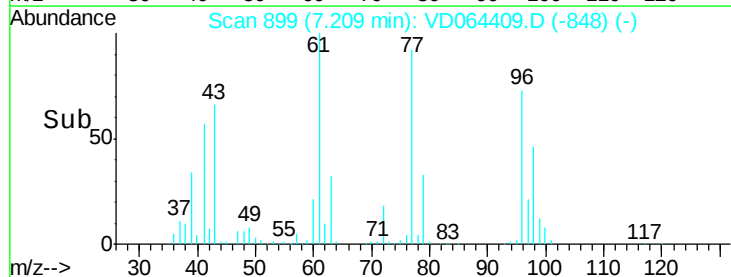
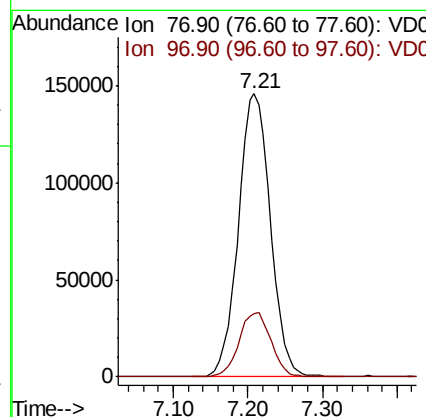
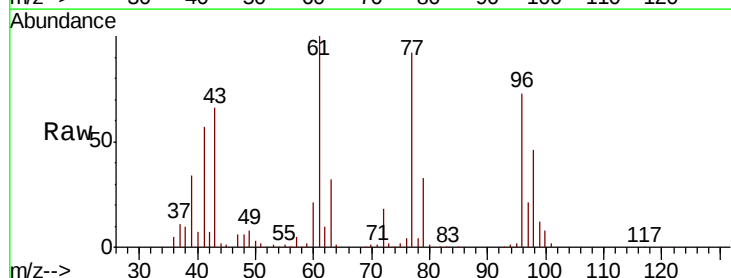
Acq: 04 Dec 2019 11:09

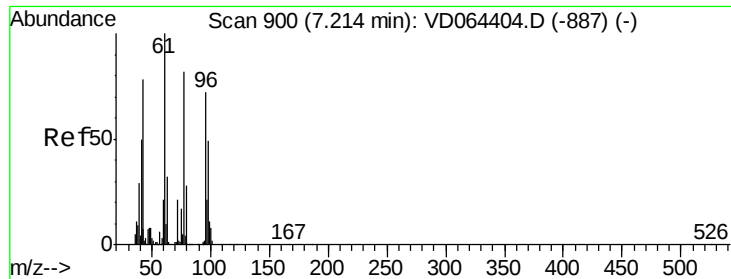
Tgt Ion: 77 Resp: 433122

Ion Ratio Lower Upper

77 100

97 22.8 11.6 34.7





#27

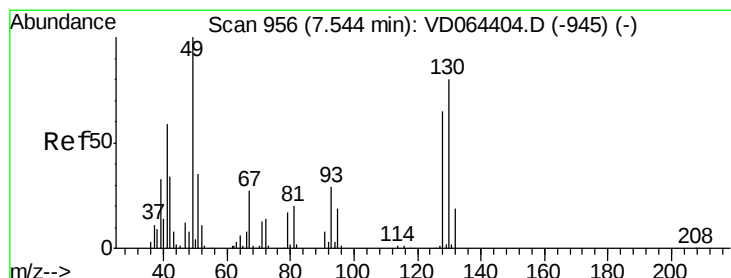
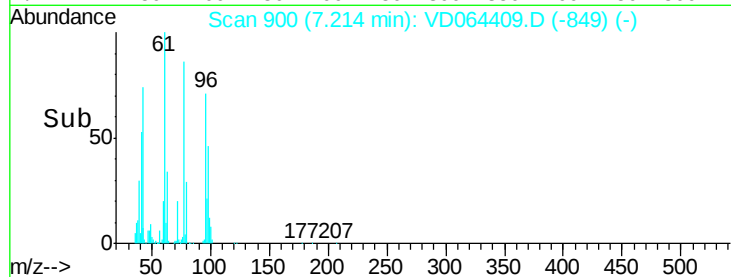
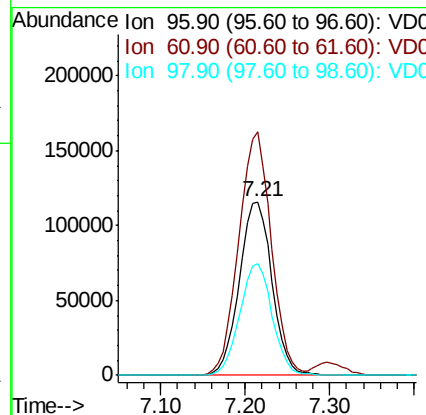
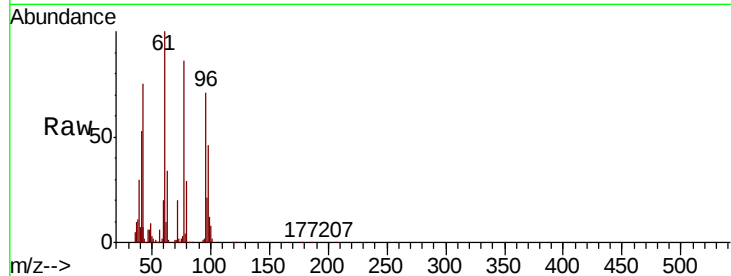
cis-1,2-Dichloroethene
 Concen: 52.947 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD064409.D
 Acq: 04 Dec 2019 11:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.1	0.0	279.6
98	63.8	0.0	129.2

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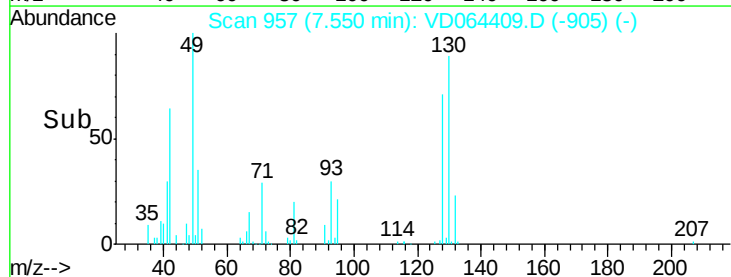
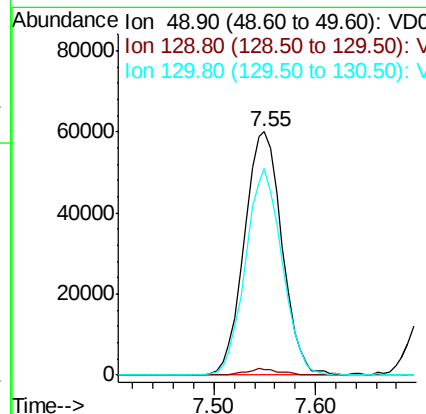
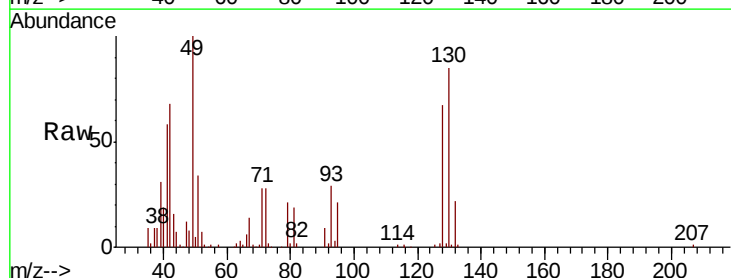
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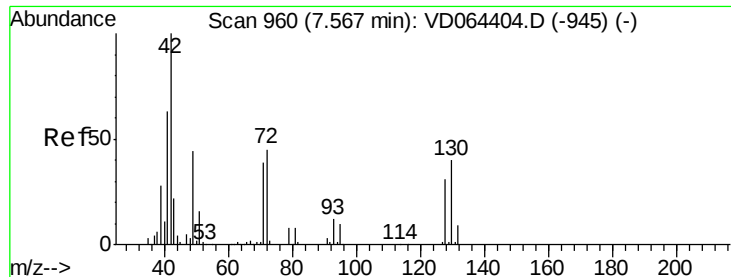


#28

Bromochloromethane
 Concen: 51.243 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.01 min
 Lab File: VD064409.D
 Acq: 04 Dec 2019 11:09

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.4
130	82.5	67.4	101.0





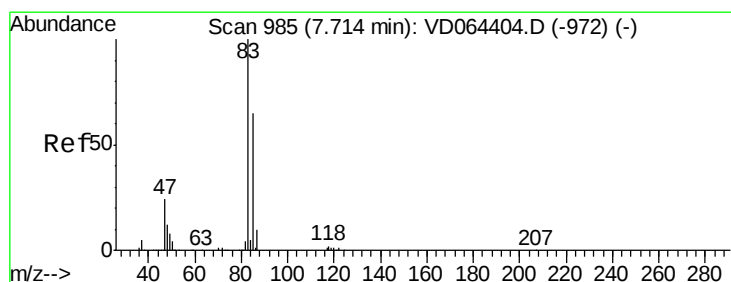
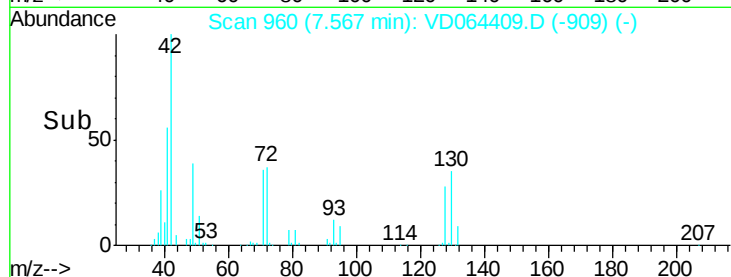
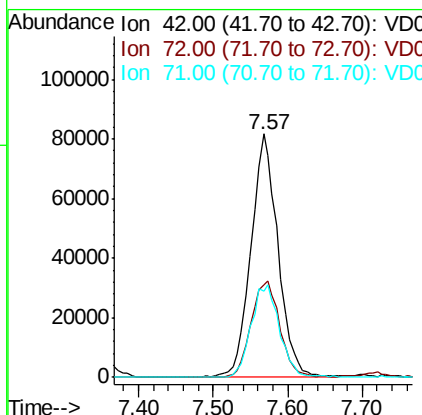
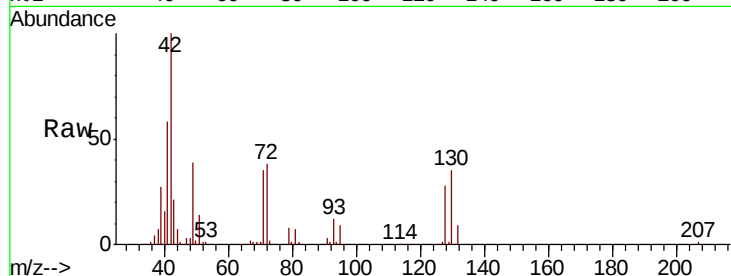
#29
Tetrahydrofuran
Concen: 237.225 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.00 min
Lab File: VD064409.D
Acq: 04 Dec 2019 11:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.7	35.8	53.8
71	39.9	32.7	49.1

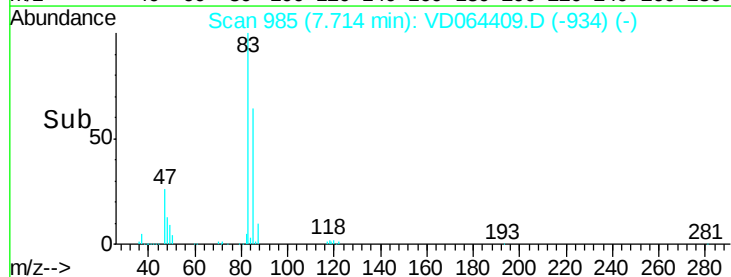
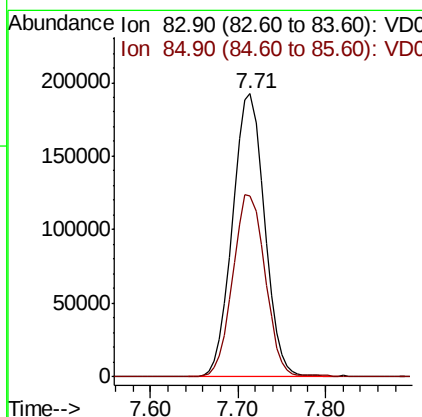
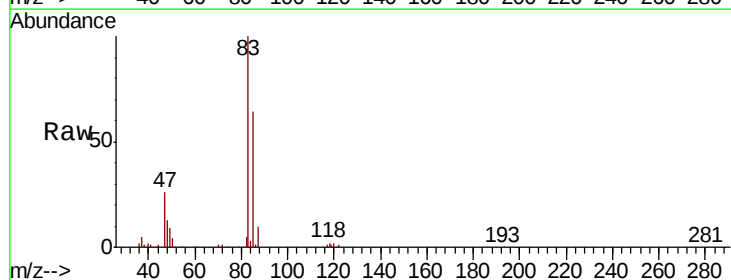
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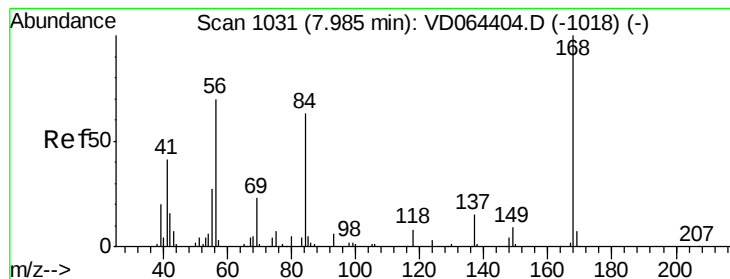
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#30
Chloroform
Concen: 52.294 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064409.D
Acq: 04 Dec 2019 11:09

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.8	77.6





#31

Cyclohexane

Concen: 58.761 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064409.D

Acq: 04 Dec 2019 11:09

Instrument :

MSVOA_D

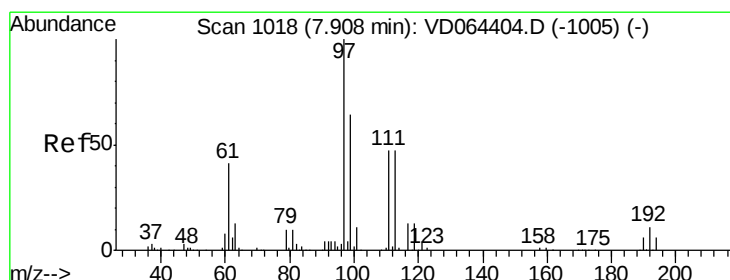
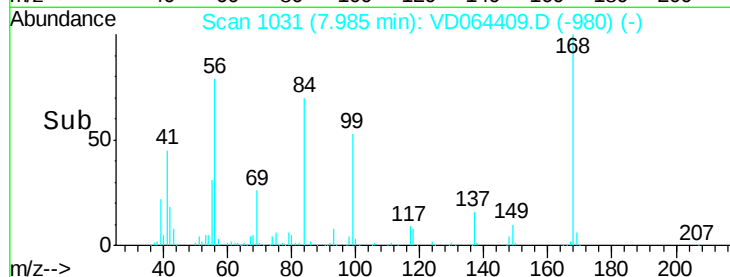
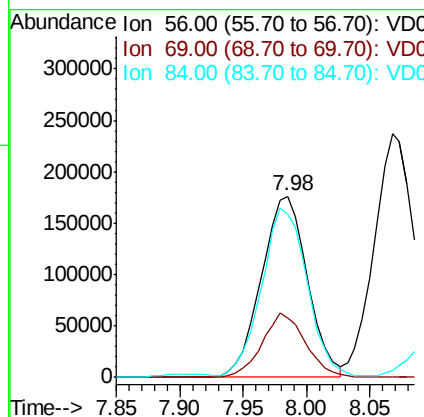
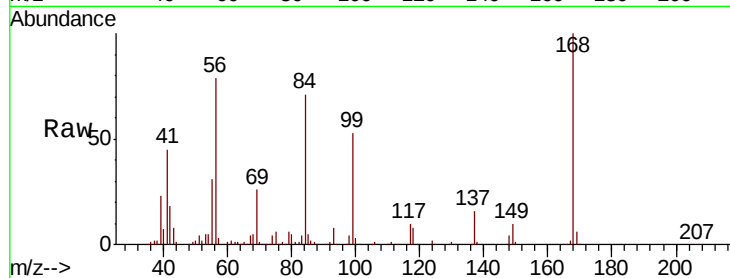
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	447140
Ion Ratio	Lower	Upper	
56	100		
69	32.8	26.2	39.4
84	88.2	70.3	105.5

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#32

1,1,1-Trichloroethane

Concen: 54.160 ug/l

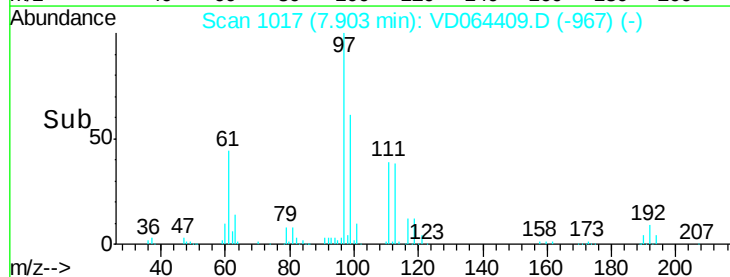
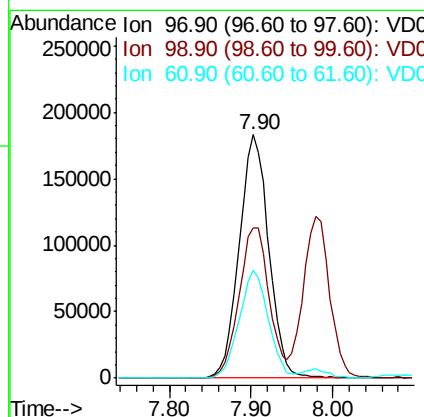
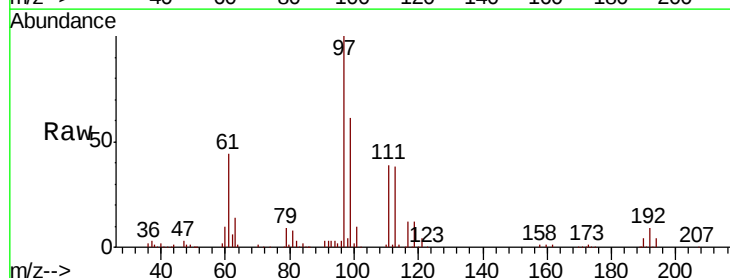
RT: 7.90 min Scan# 1017

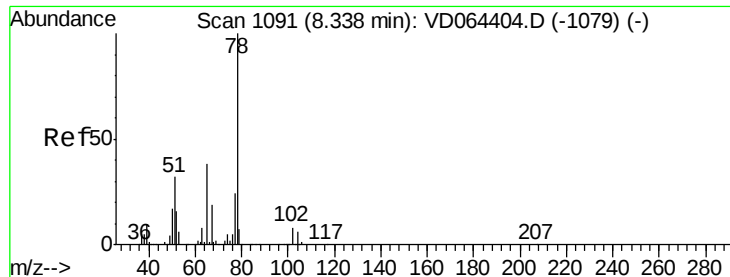
Delta R.T. -0.01 min

Lab File: VD064409.D

Acq: 04 Dec 2019 11:09

Tgt Ion:	97	Resp:	459529
Ion Ratio	Lower	Upper	
97	100		
99	63.5	51.4	77.2
61	43.9	35.0	52.4





#33

1,2-Dichloroethane-d4

Concen: 52.988 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD064409.D

Acq: 04 Dec 2019 11:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 253782

Ion Ratio Lower Upper

65 100

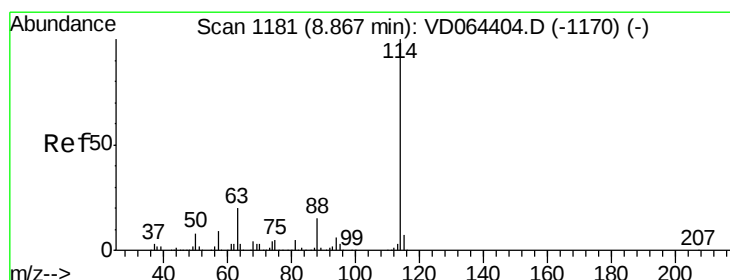
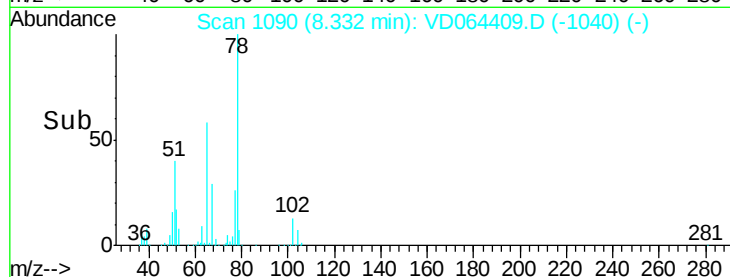
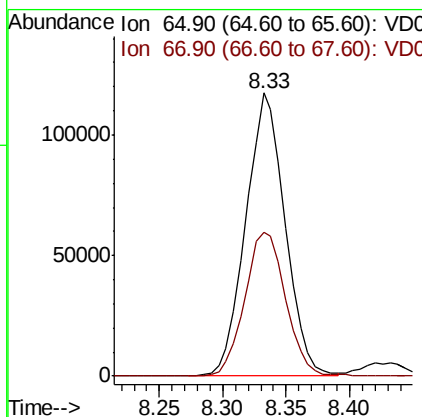
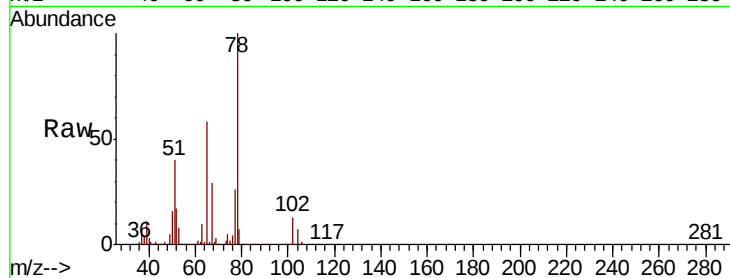
67 52.7 0.0 102.0

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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: VD064409.D

Acq: 04 Dec 2019 11:09

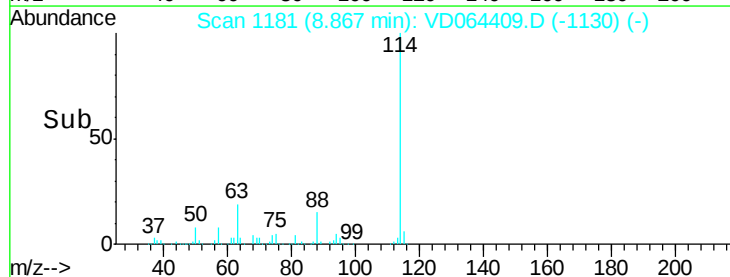
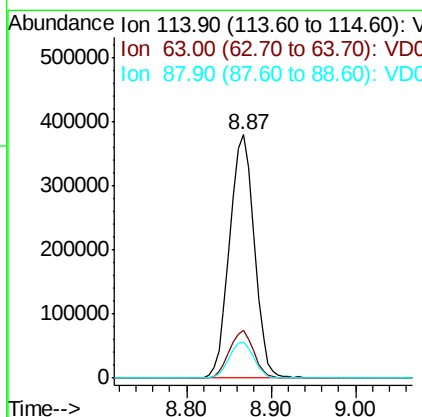
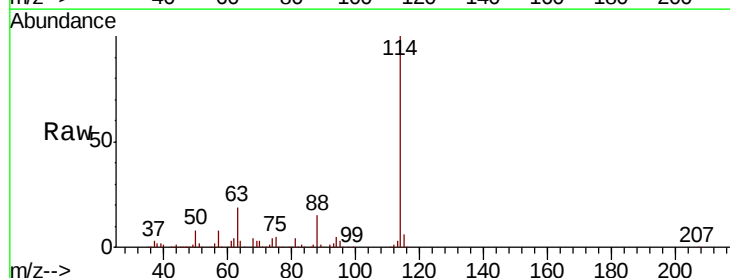
Tgt Ion: 114 Resp: 765074

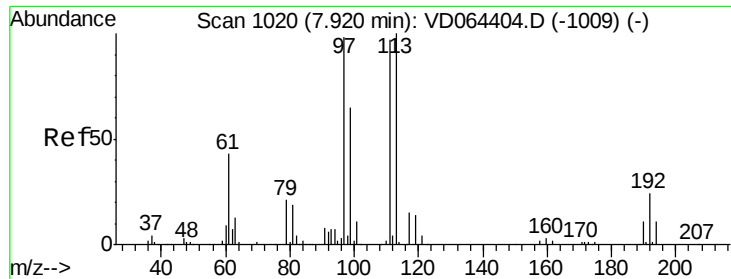
Ion Ratio Lower Upper

114 100

63 19.5 0.0 40.0

88 14.7 0.0 29.2





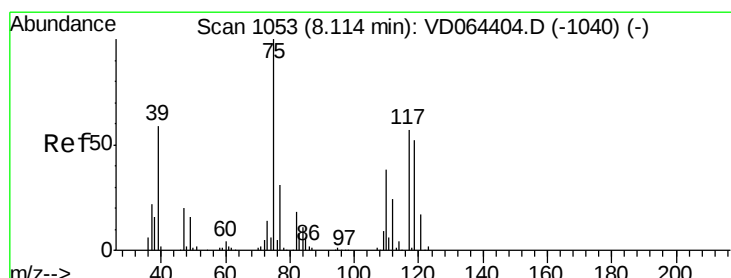
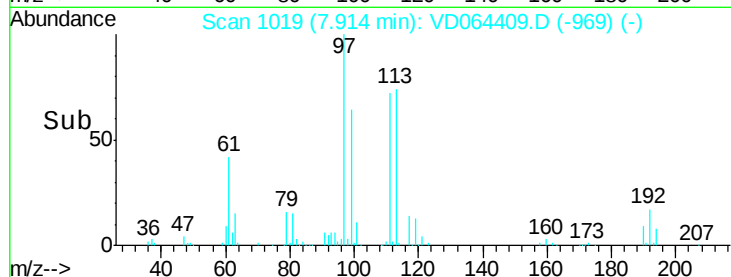
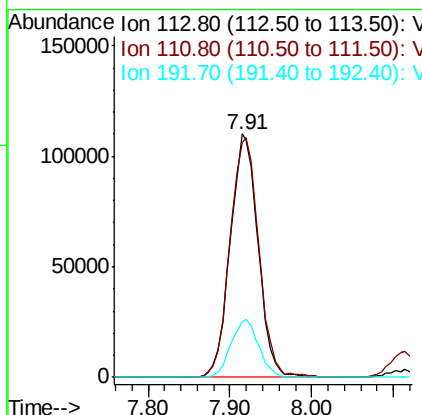
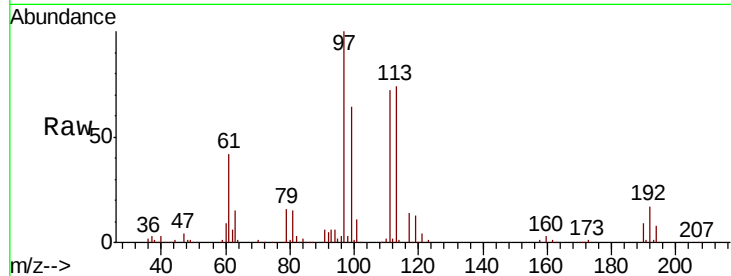
#35
 Dibromofluoromethane
 Concen: 54.017 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD064409.D
 Acq: 04 Dec 2019 11:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.9	79.4	119.2
192	23.7	18.6	28.0

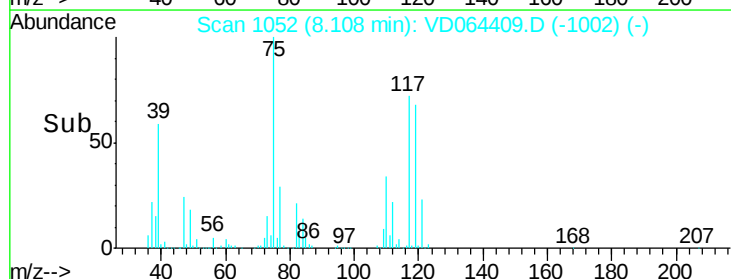
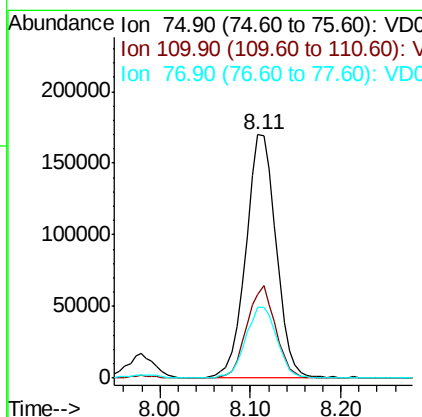
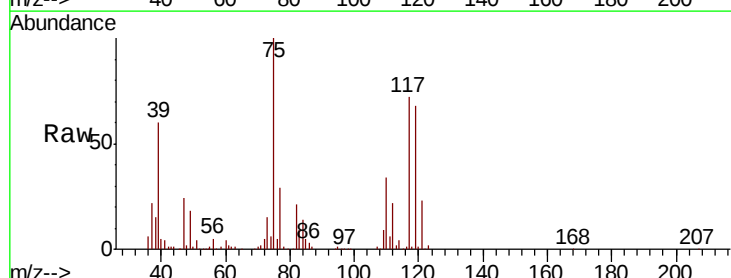
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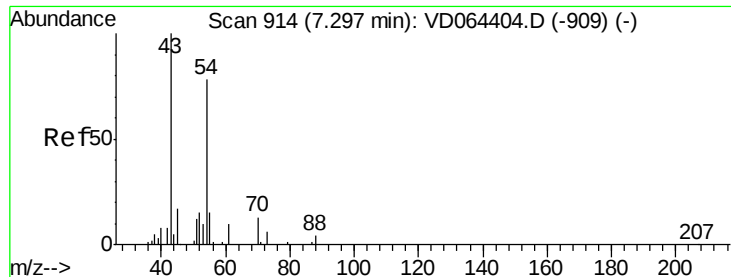
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#36
 1,1-Dichloropropene
 Concen: 54.366 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD064409.D
 Acq: 04 Dec 2019 11:09

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.1	18.6	55.8
77	30.4	25.0	37.4





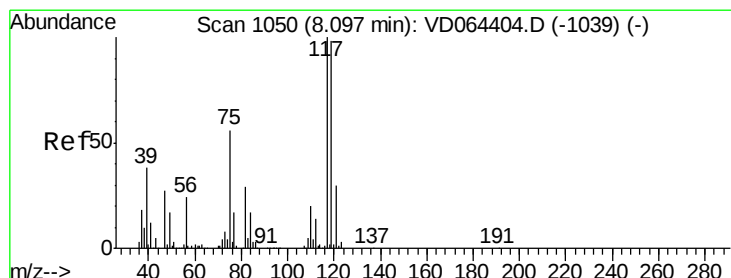
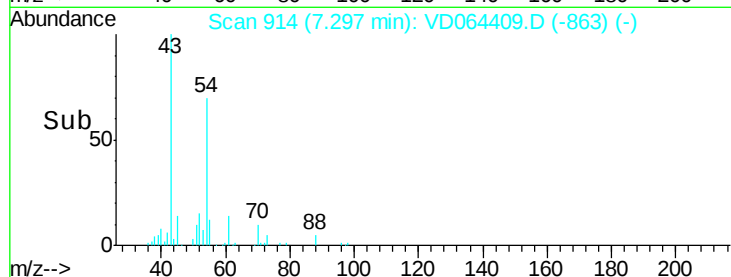
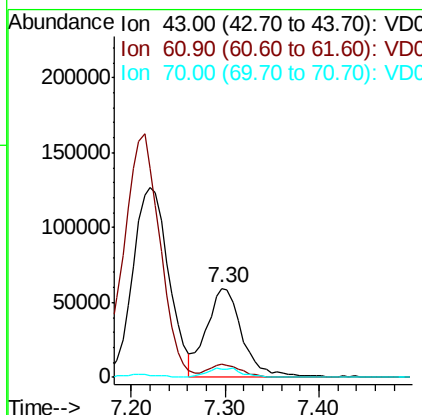
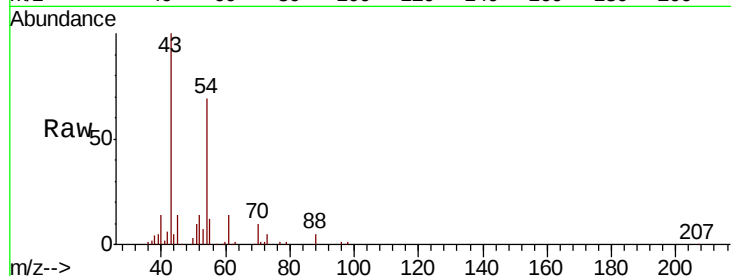
#37
Ethyl Acetate
Concen: 50.700 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD064409.D
Acq: 04 Dec 2019 11:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.9	16.3
70	10.2	8.3	12.5

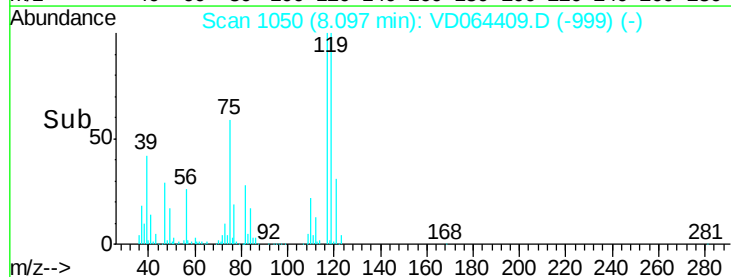
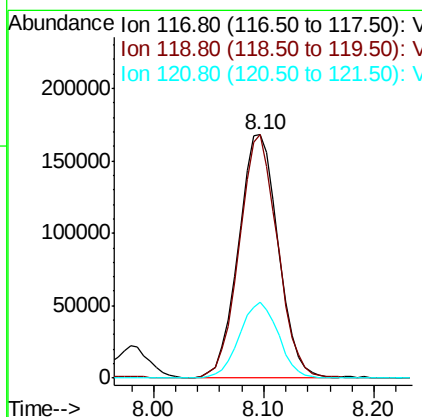
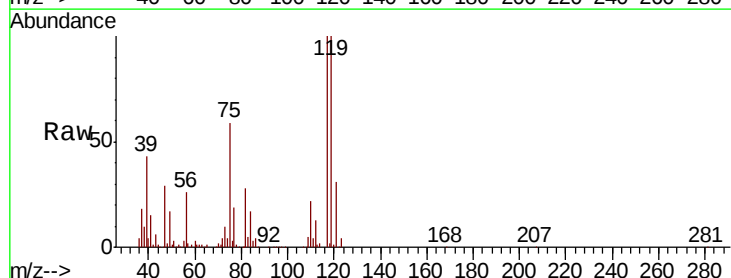
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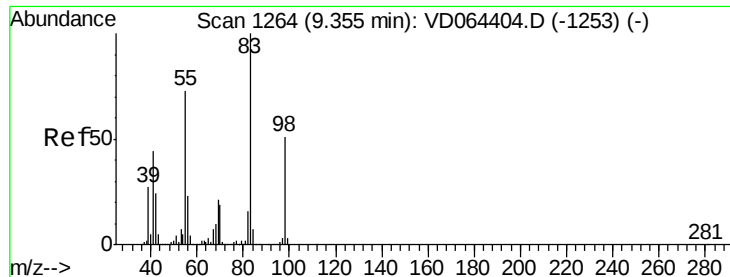
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#38
Carbon Tetrachloride
Concen: 55.435 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064409.D
Acq: 04 Dec 2019 11:09

Tgt Ion	Ratio	Lower	Upper
117	100		
119	100.2	78.8	118.2
121	31.3	24.2	36.2





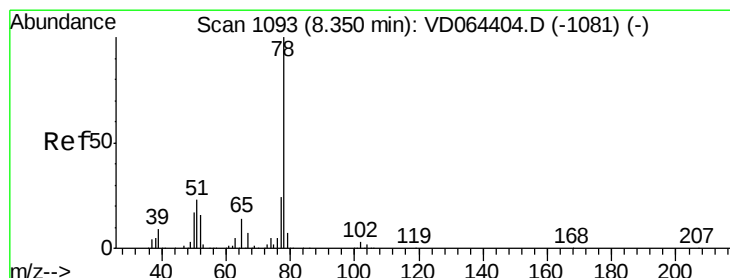
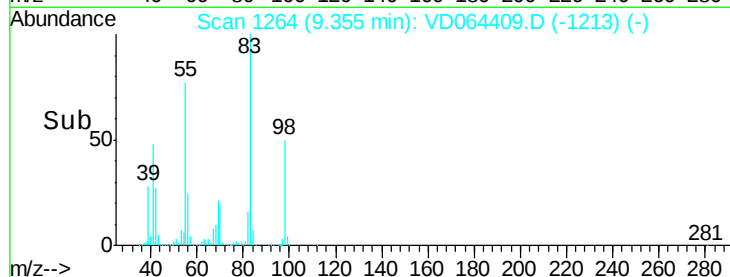
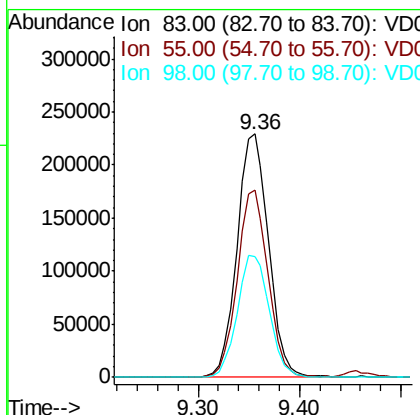
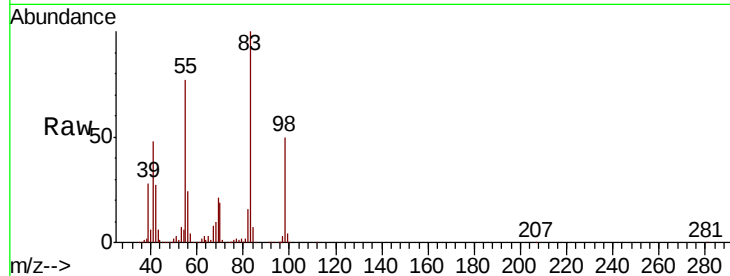
#39
Methvlcvclohexane
Concen: 54.871 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064409.D
Acq: 04 Dec 2019 11:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.9	58.6	87.8
98	49.8	40.9	61.3

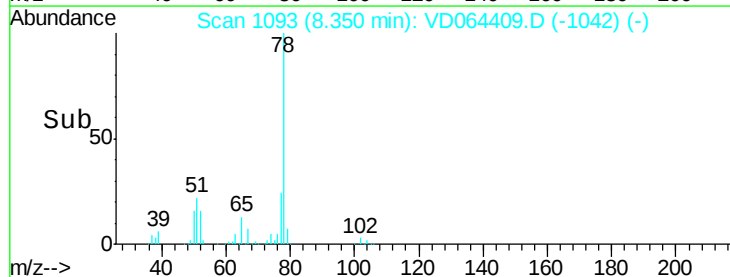
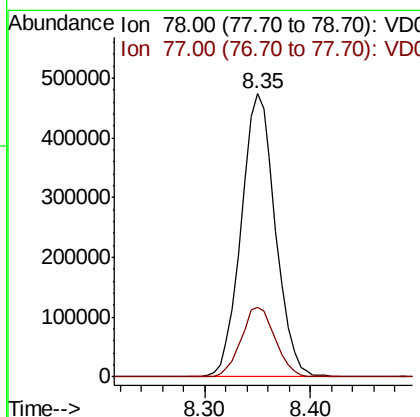
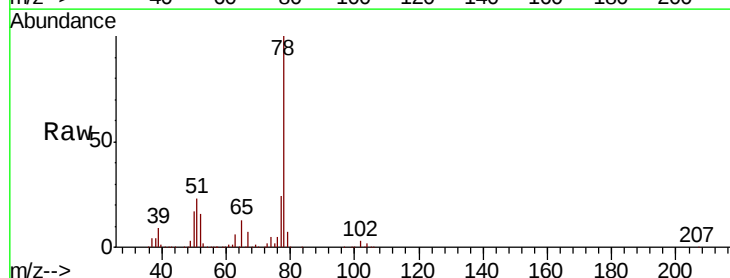
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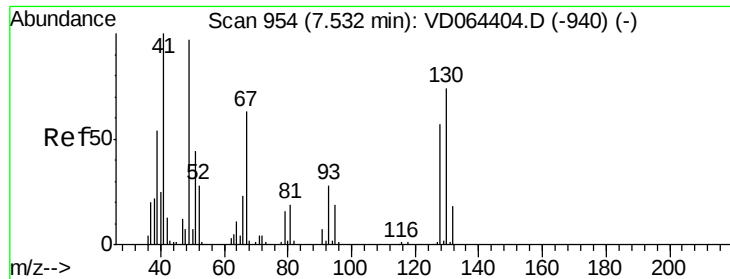
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#40
Benzene
Concen: 52.910 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD064409.D
Acq: 04 Dec 2019 11:09

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.6	29.4





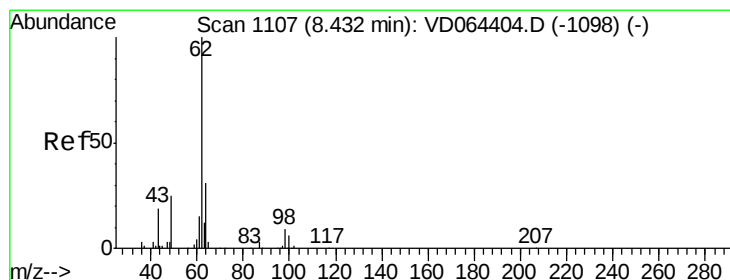
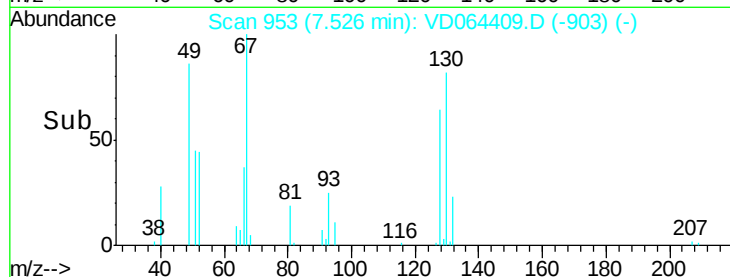
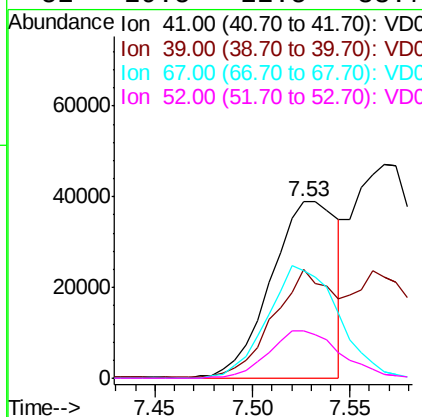
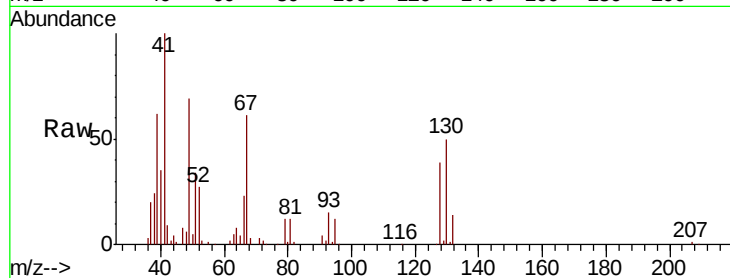
#41
Methacrylonitrile
Concen: 52.228 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.01 min
Lab File: VD064409.D
Acq: 04 Dec 2019 11:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	56.2	44.6	67.0
67	68.2	50.9	76.3
52	29.5	22.5	33.7

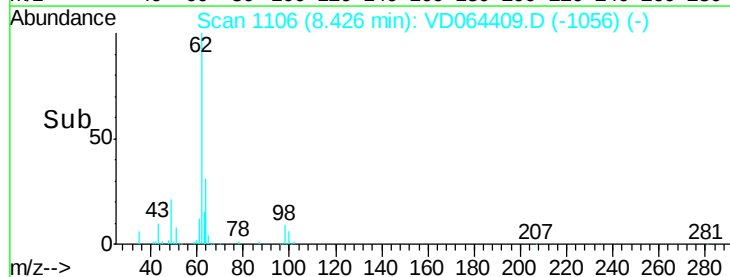
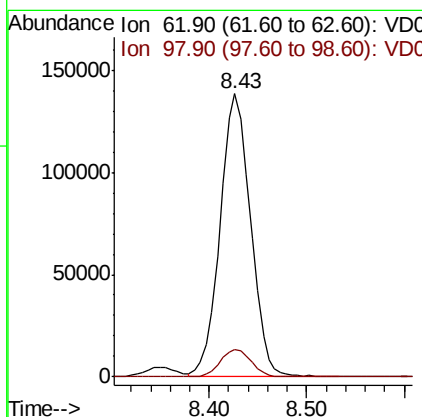
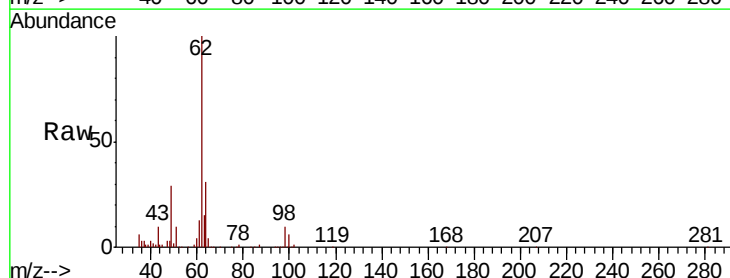
Manual Integrations
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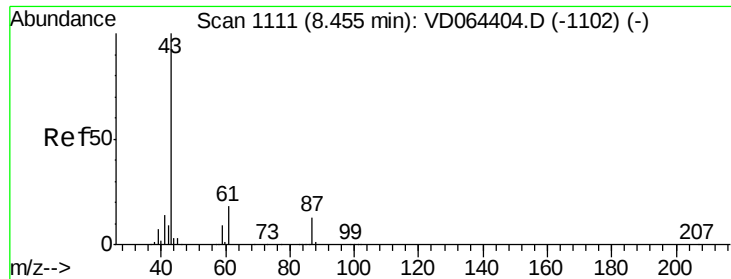
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#42
1,2-Dichloroethane
Concen: 51.165 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD064409.D
Acq: 04 Dec 2019 11:09

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	20.6





#43

Isopropyl Acetate

Concen: 50.084 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD064409.D

Acq: 04 Dec 2019 11:09

Instrument :

MSVOA_D

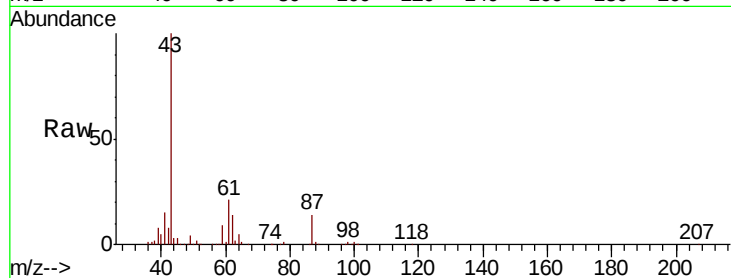
ClientSampleId :

VSTDCCC050

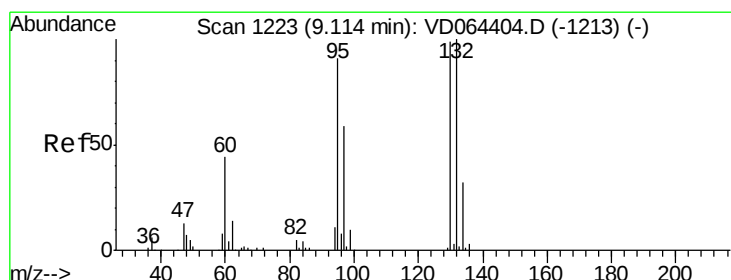
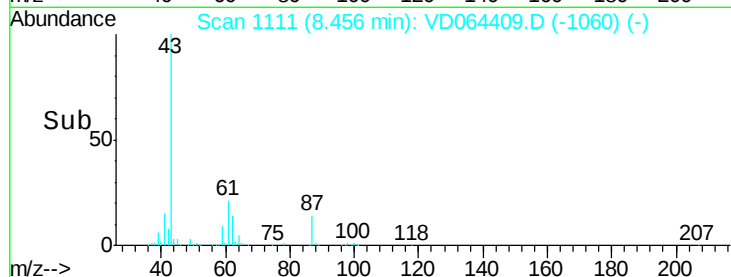
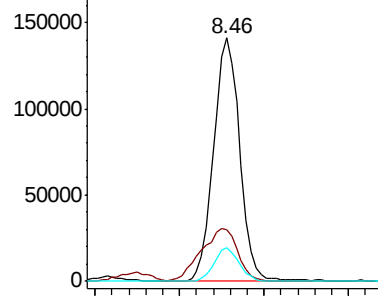
Tot Ion:	43	Resp:	302379
Ion Ratio	Lower	Upper	
43	100		
61	30.4	24.0	36.0
87	13.2	10.6	15.8

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Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 61.00 (60.70 to 61.70): VDC
Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 51.675 ug/l

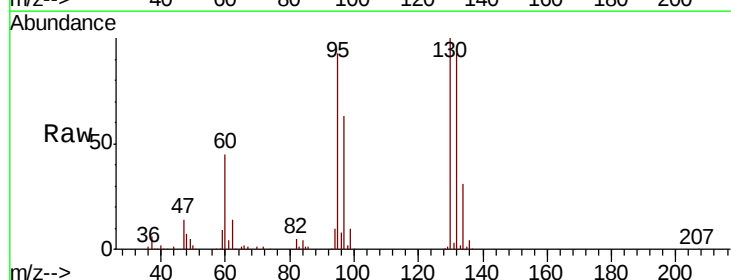
RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

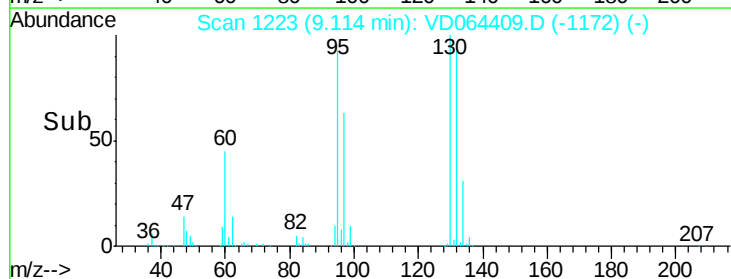
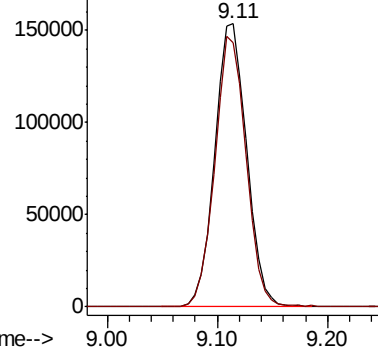
Lab File: VD064409.D

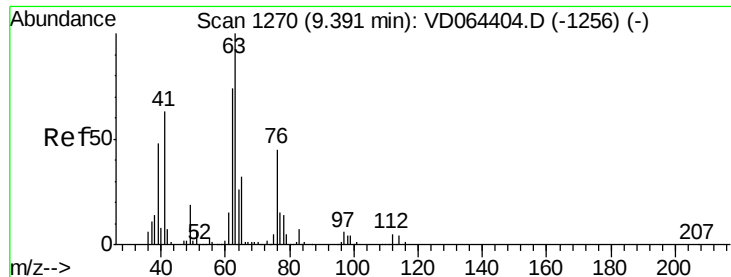
Acq: 04 Dec 2019 11:09

Tgt Ion:	130	Resp:	312857
Ion Ratio	Lower	Upper	
130	100		
95	93.3	0.0	184.6



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 53.286 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD064409.D

Acq: 04 Dec 2019 11:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 256135

Ion Ratio Lower Upper

63 100

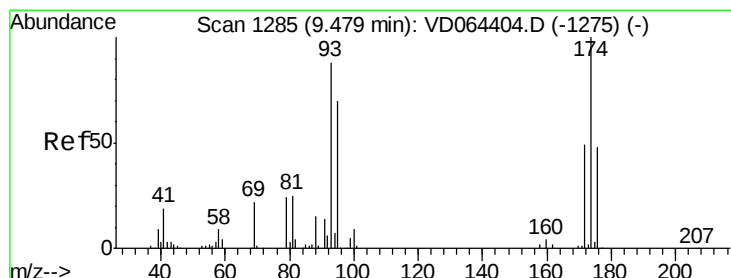
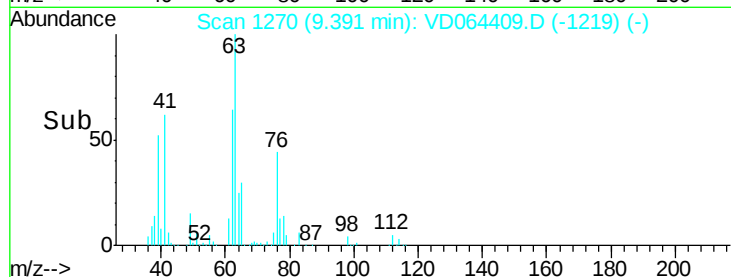
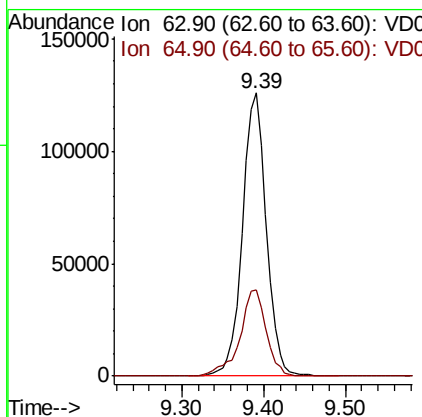
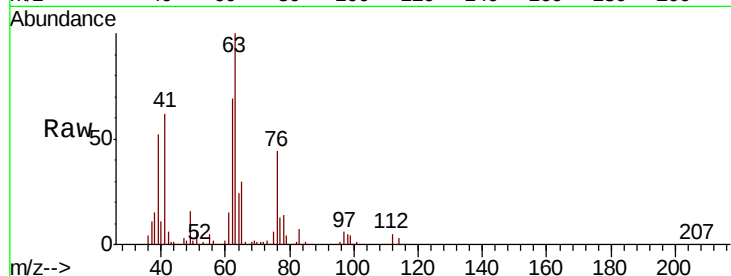
65 30.4 25.4 38.0

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#46

Dibromomethane

Concen: 50.956 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. -0.01 min

Lab File: VD064409.D

Acq: 04 Dec 2019 11:09

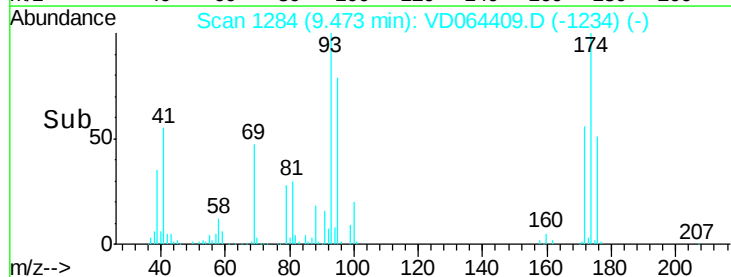
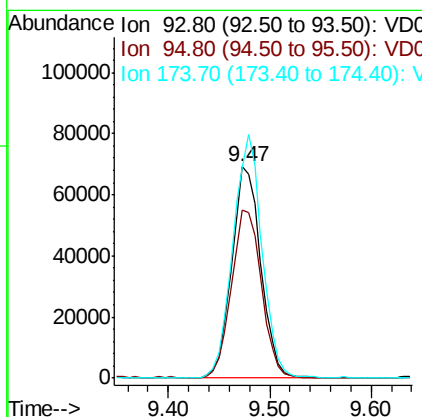
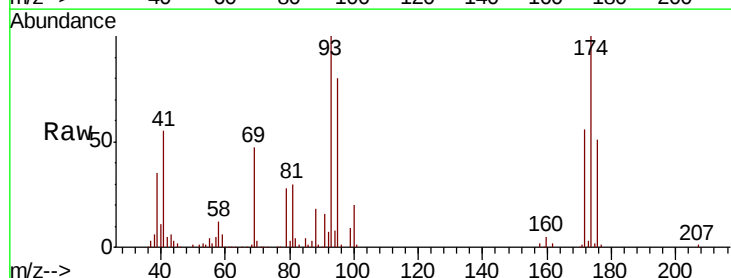
Tgt Ion: 93 Resp: 138241

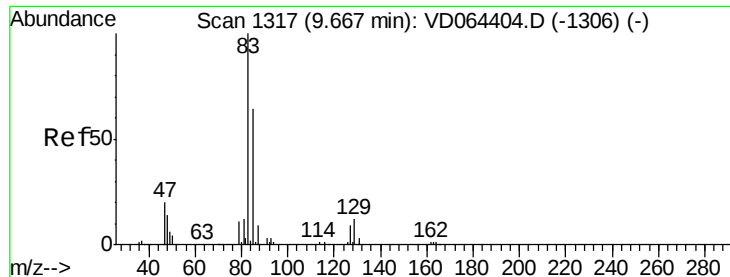
Ion Ratio Lower Upper

93 100

95 82.3 66.7 100.1

174 114.3 92.3 138.5





#47

Bromodichloromethane

Concen: 52.475 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD064409.D

Acq: 04 Dec 2019 11:09

Instrument :

MSVOA_D

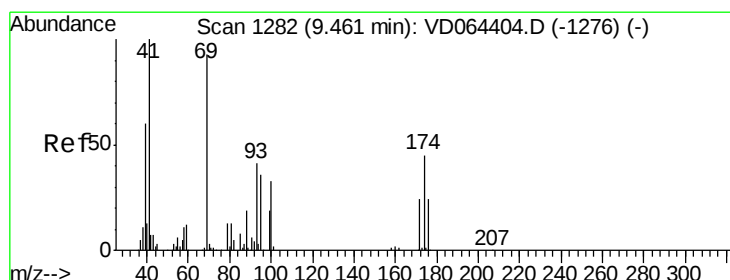
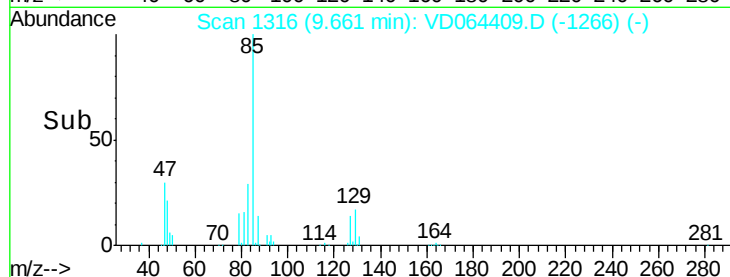
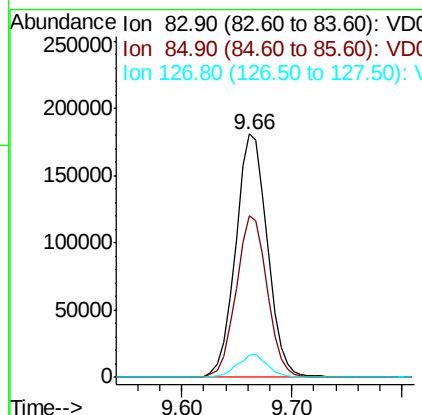
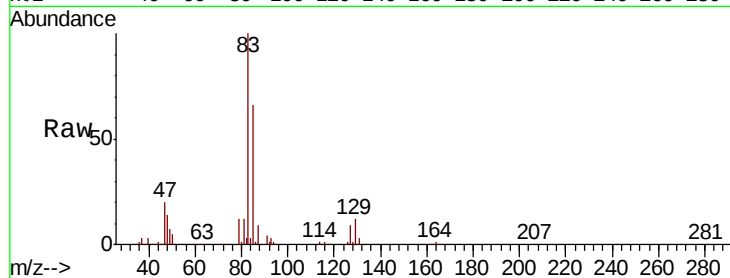
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	365794
Ion	Ratio	Lower	Upper
83	100		
85	66.3	51.1	76.7
127	9.3	7.4	11.0

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#48

Methyl methacrylate

Concen: 50.612 ug/l

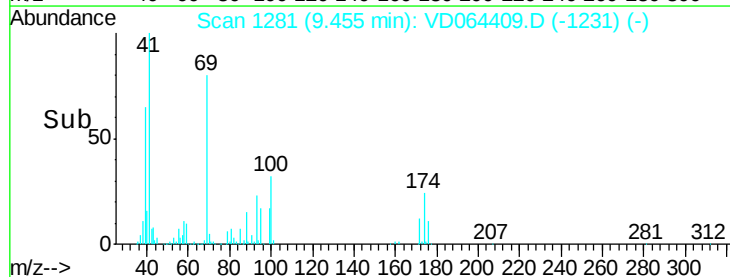
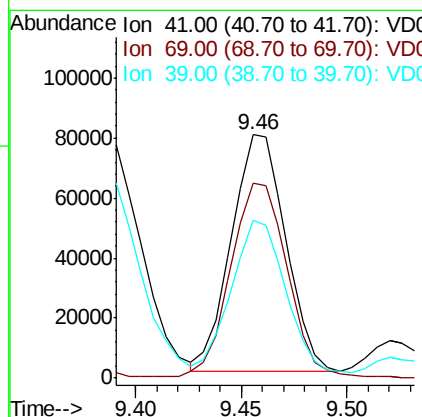
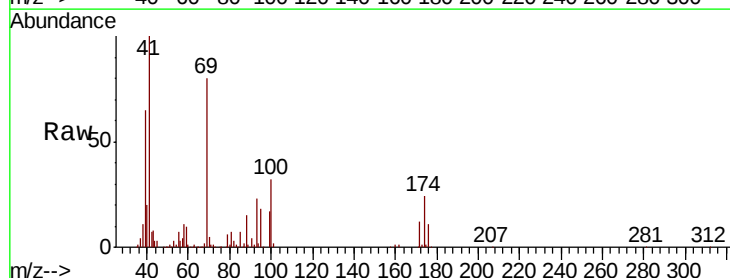
RT: 9.46 min Scan# 1281

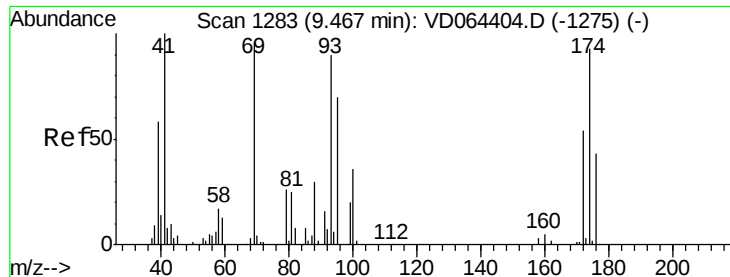
Delta R.T. -0.01 min

Lab File: VD064409.D

Acq: 04 Dec 2019 11:09

Tgt Ion:	41	Resp:	139826
Ion	Ratio	Lower	Upper
41	100		
69	87.0	72.0	108.0
39	63.8	55.2	82.8





#49

1,4-Dioxane

Concen: 969.461 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VD064409.D

Acq: 04 Dec 2019 11:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 88 Resp: 32478

Ion Ratio Lower Upper

88 100

43 34.3 26.7 40.1

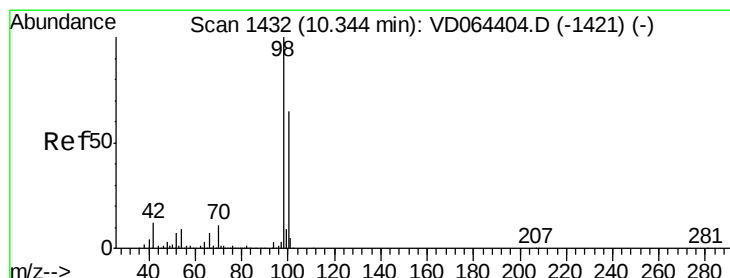
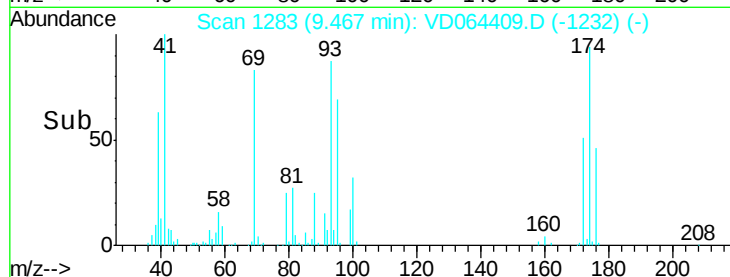
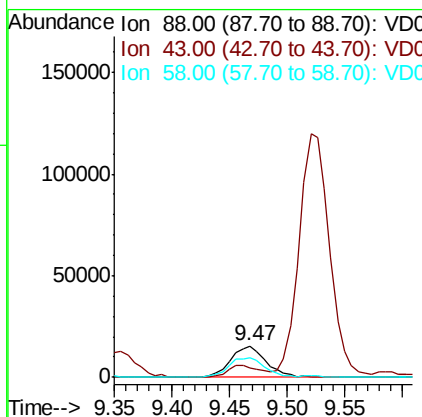
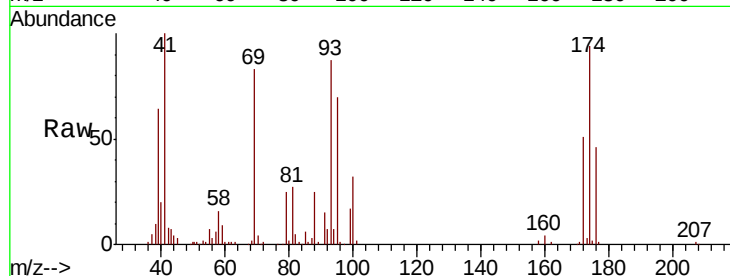
58 65.4 52.3 78.5

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#50

Toluene-d8

Concen: 55.065 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD064409.D

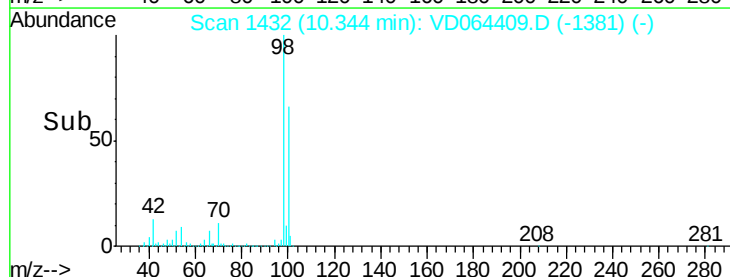
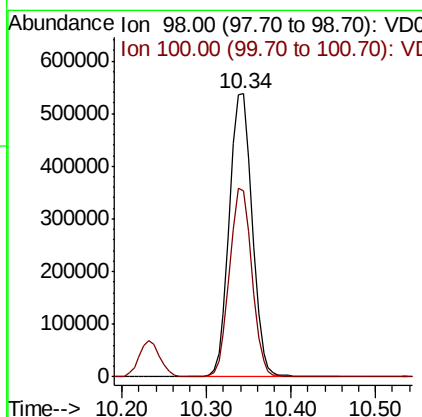
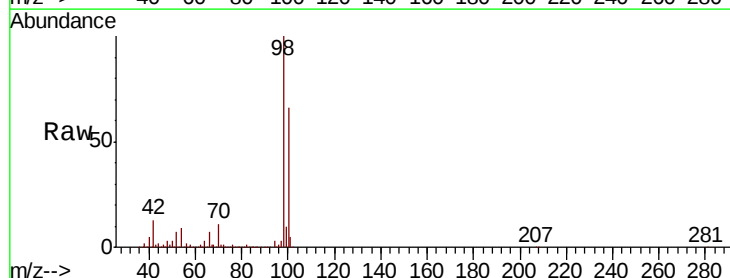
Acq: 04 Dec 2019 11:09

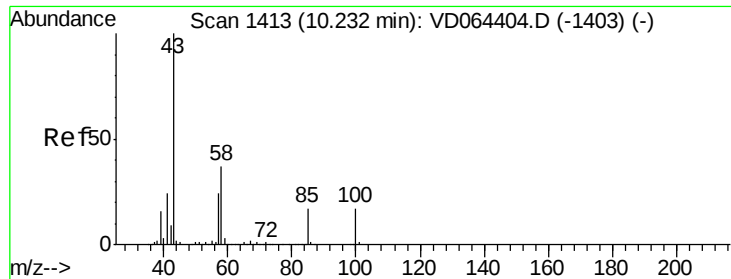
Tgt Ion: 98 Resp: 999857

Ion Ratio Lower Upper

98 100

100 65.6 52.6 79.0





#51

4-Methyl-2-Pentanone

Concen: 242.726 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD064409.D

Acq: 04 Dec 2019 11:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 725085

Ion Ratio Lower Upper

43 100

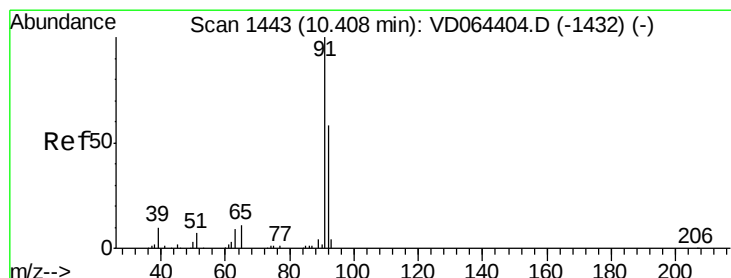
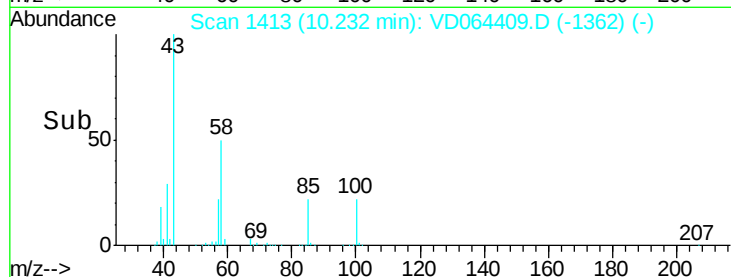
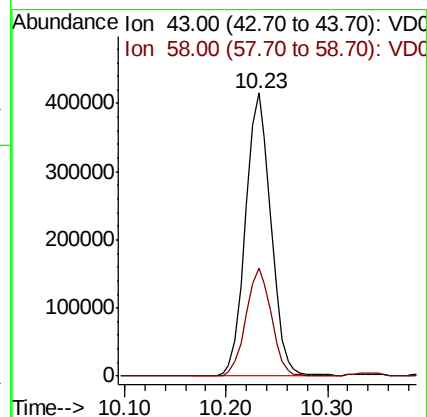
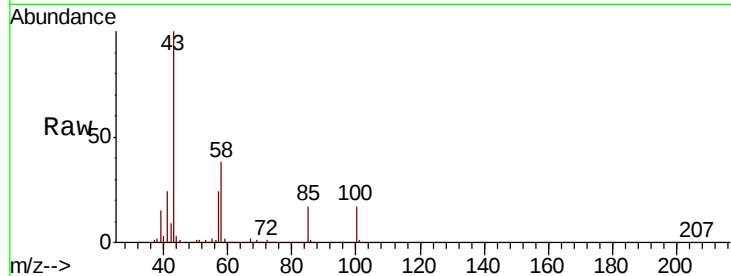
58 38.1 30.6 46.0

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#52

Toluene

Concen: 52.516 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.01 min

Lab File: VD064409.D

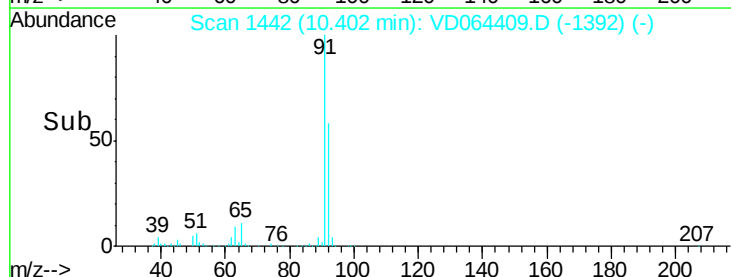
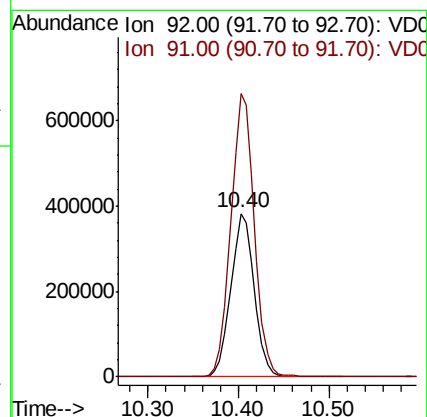
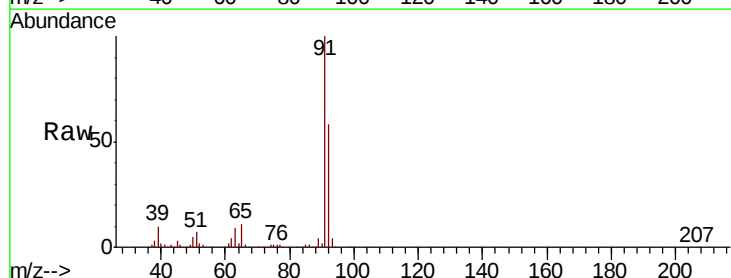
Acq: 04 Dec 2019 11:09

Tgt Ion: 92 Resp: 687887

Ion Ratio Lower Upper

92 100

91 173.0 137.8 206.6





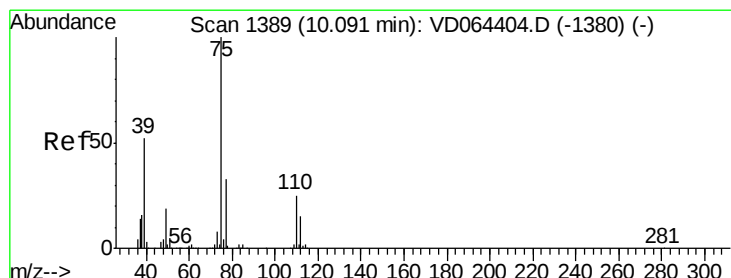
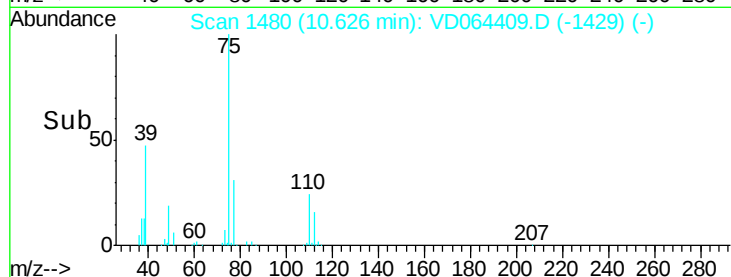
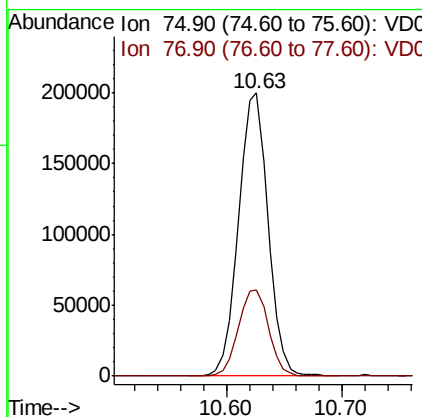
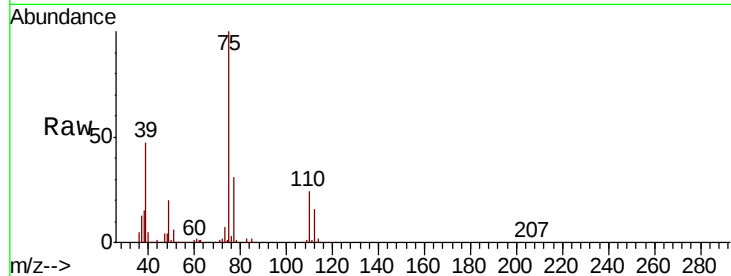
#53
t-1,3-Dichloropropene
Concen: 53.384 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD064409.D
Acq: 04 Dec 2019 11:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.7	25.0	37.4

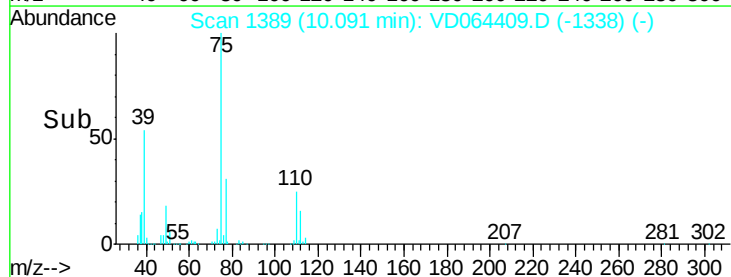
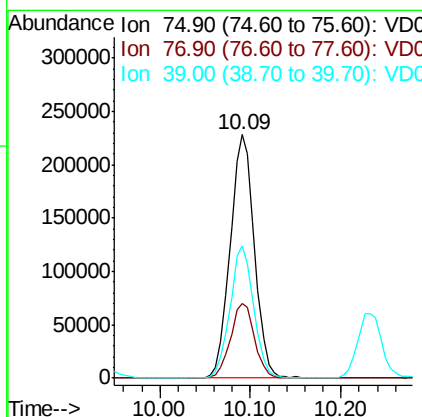
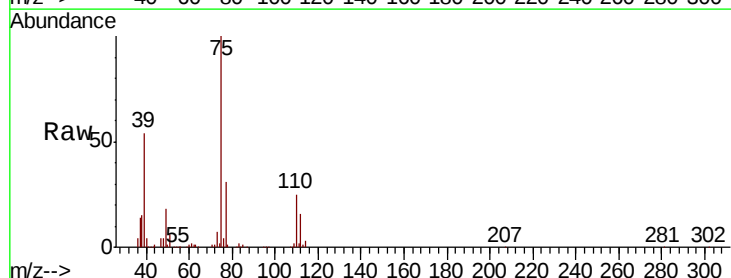
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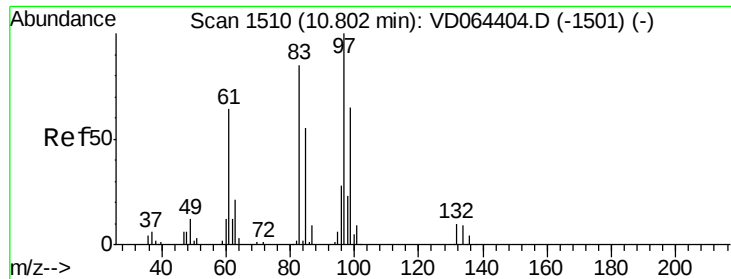
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#54
cis-1,3-Dichloropropene
Concen: 53.722 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VD064409.D
Acq: 04 Dec 2019 11:09

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.9	26.1	39.1
39	54.3	41.5	62.3





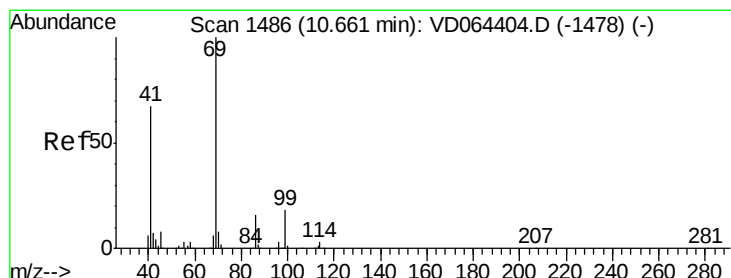
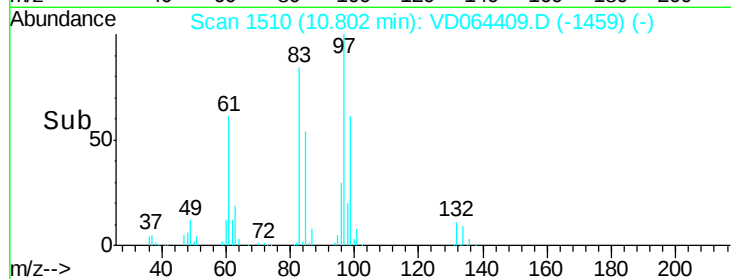
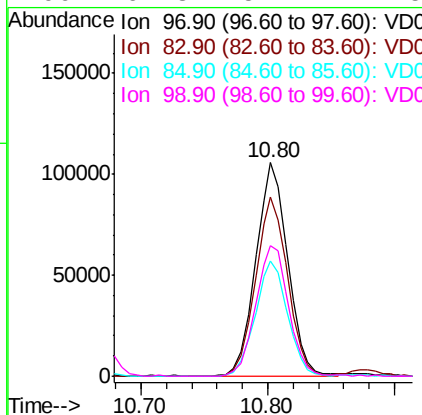
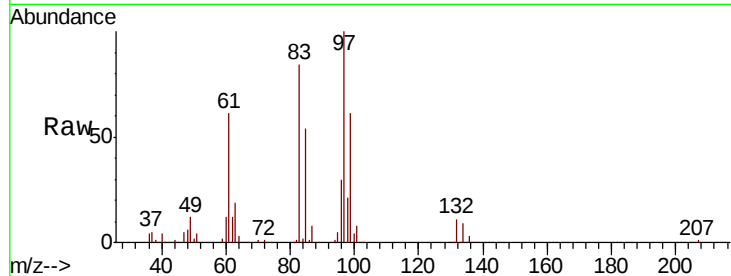
#55
 1,1,2-Trichloroethane
 Concen: 49.947 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064409.D
 Acq: 04 Dec 2019 11:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	185544
Ion	Ratio	Lower	Upper
97	100		
83	83.8	67.8	101.8
85	54.0	43.7	65.5
99	61.3	51.7	77.5

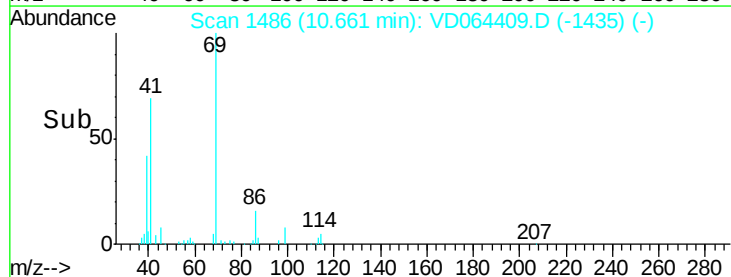
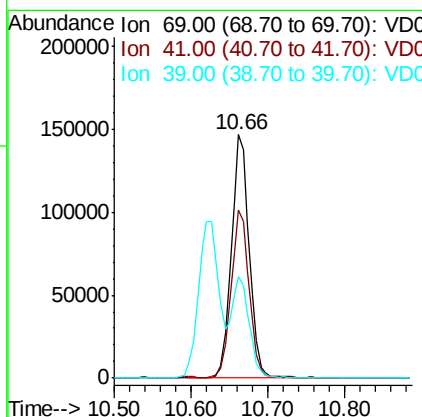
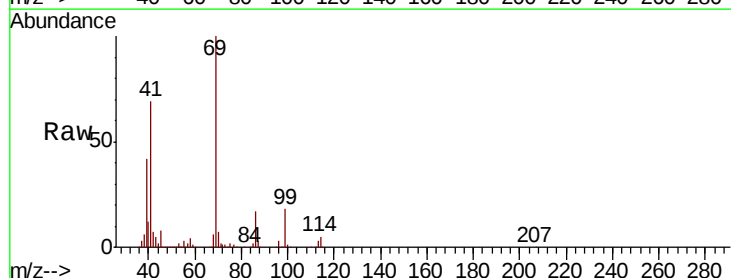
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#56
 Ethyl methacrylate
 Concen: 50.066 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD064409.D
 Acq: 04 Dec 2019 11:09

Tgt Ion:	69	Resp:	237213
Ion	Ratio	Lower	Upper
69	100		
41	68.8	55.0	82.4
39	41.4	33.0	49.6





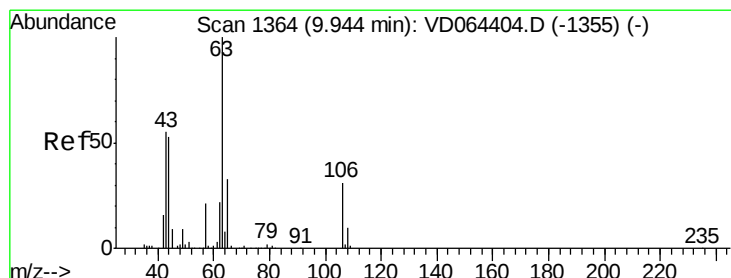
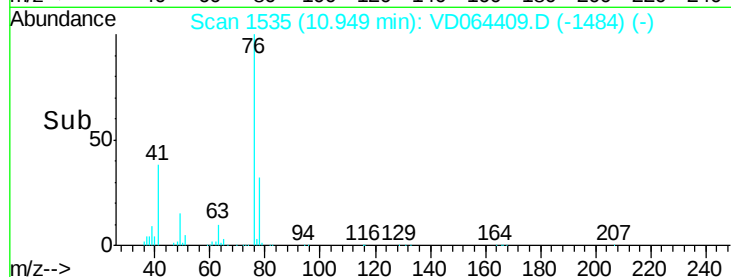
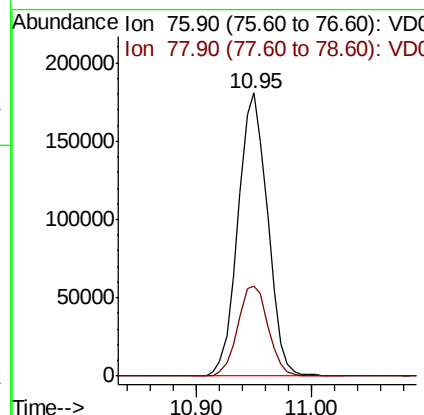
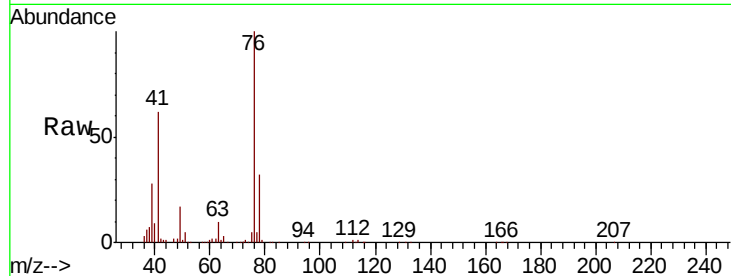
#57
 1,3-Dichloropropane
 Concen: 50.652 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064409.D
 Acq: 04 Dec 2019 11:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 320303
 Ion Ratio Lower Upper
 76 100
 78 32.8 26.0 39.0

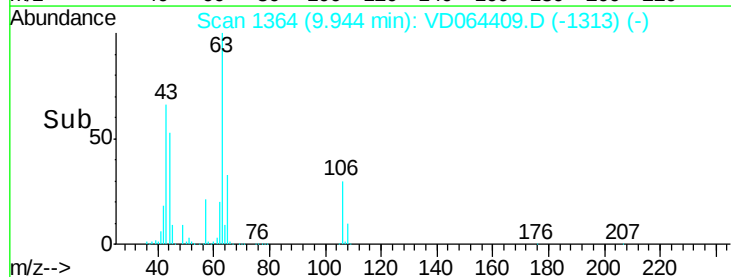
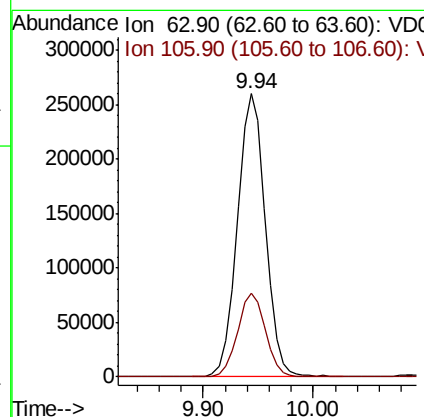
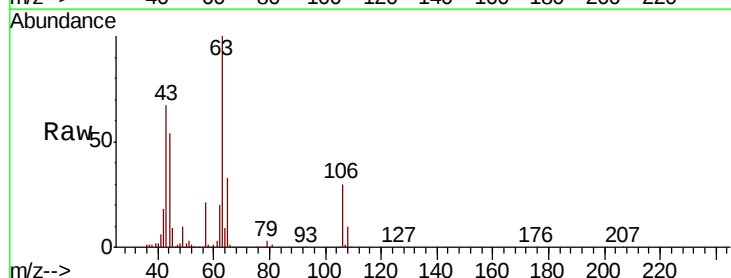
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#58
 2-Chloroethyl Vinyl ether
 Concen: 244.570 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD064409.D
 Acq: 04 Dec 2019 11:09

Tgt Ion: 63 Resp: 461933
 Ion Ratio Lower Upper
 63 100
 106 29.8 24.2 36.4





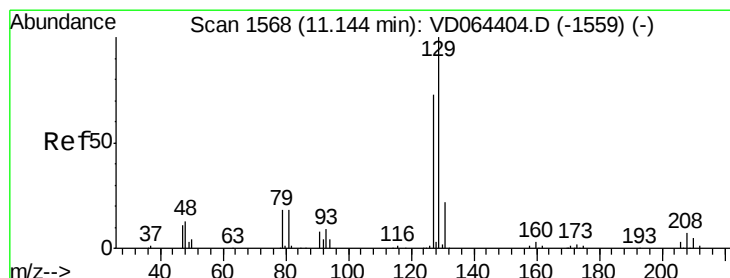
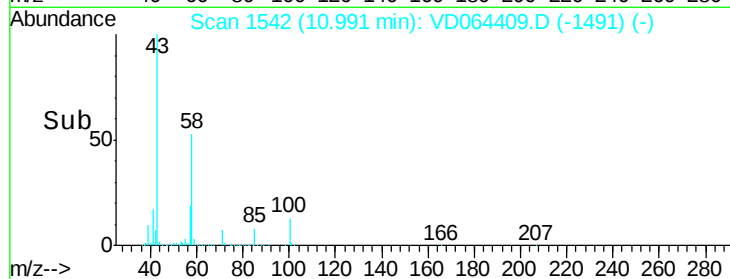
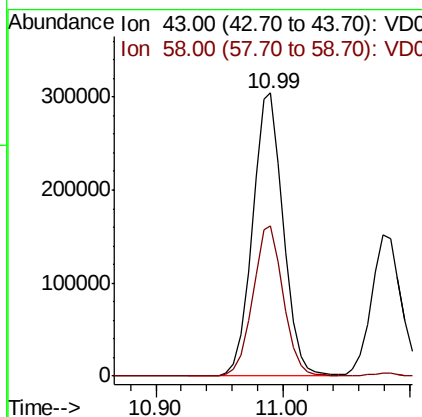
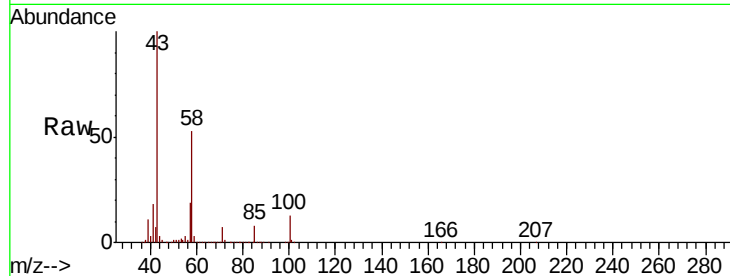
#59
2-Hexanone
Concen: 247.542 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064409.D
Acq: 04 Dec 2019 11:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	513113
Ion Ratio	100	Lower	Upper
43	100		
58	52.6	26.3	78.8

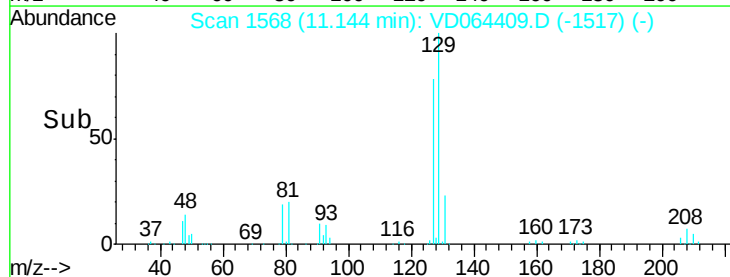
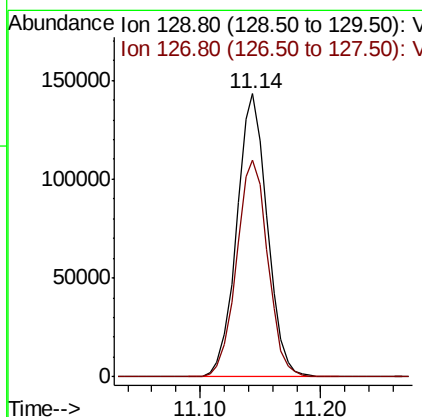
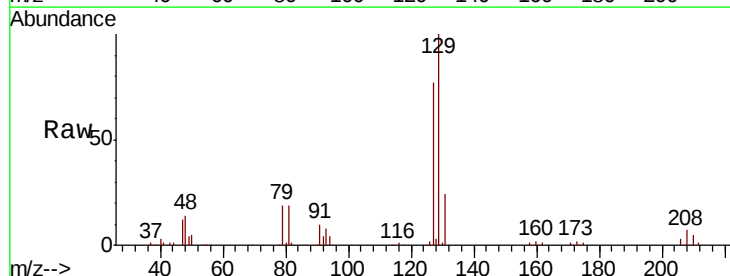
Manual Integrations
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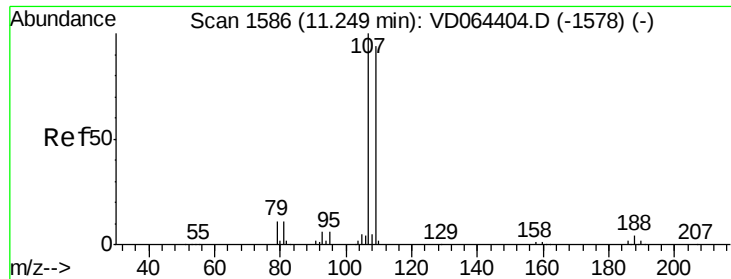
apatel
12/5/2019 2:58:57 PM



#60
Dibromochloromethane
Concen: 50.210 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064409.D
Acq: 04 Dec 2019 11:09

Tgt Ion	129	Resp	252895	
Ion Ratio	129	100	Lower	Upper
129	100			
127	78.3	38.1	114.3	





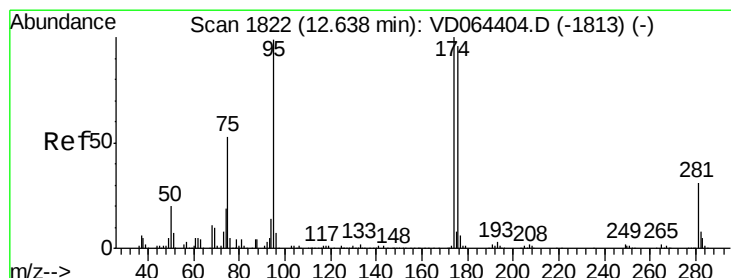
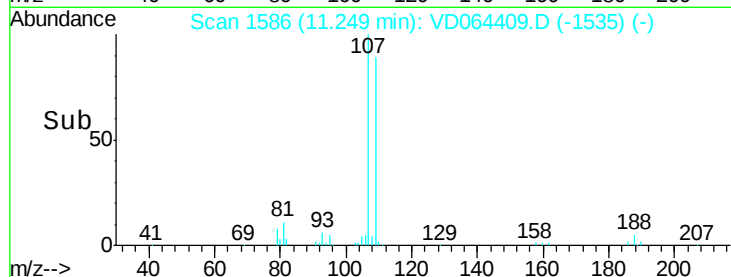
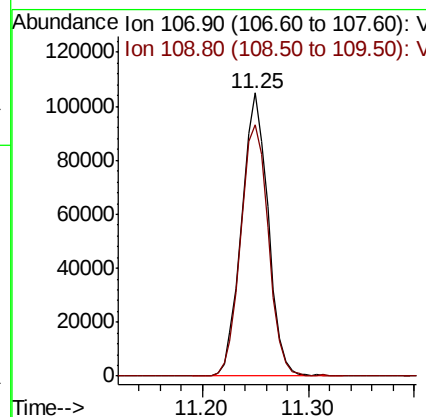
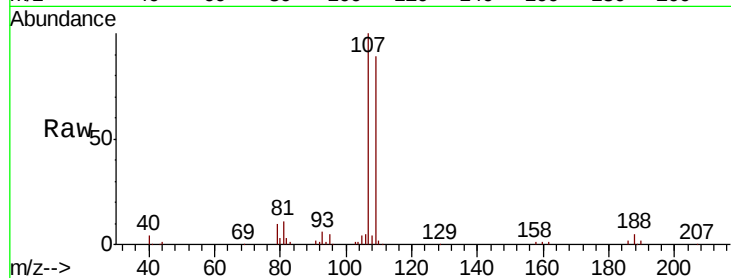
#61
 1,2-Dibromoethane
 Concen: 49.135 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064409.D
 Acq: 04 Dec 2019 11:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
107	100	182247		
109	92.7	76.2	114.2	

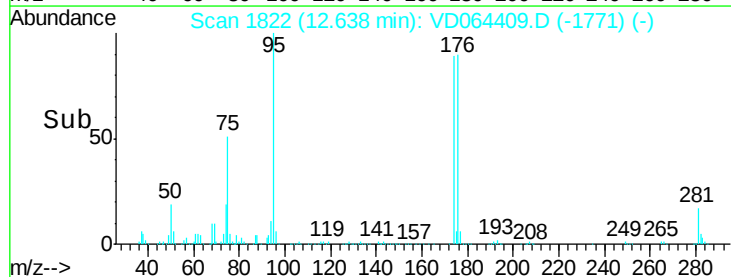
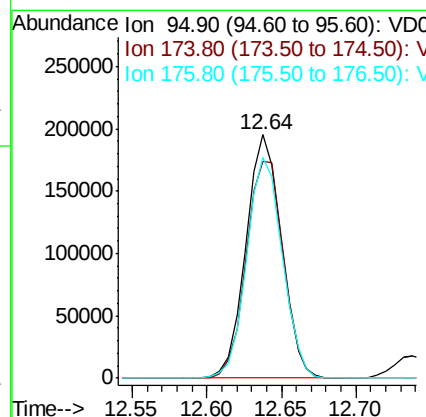
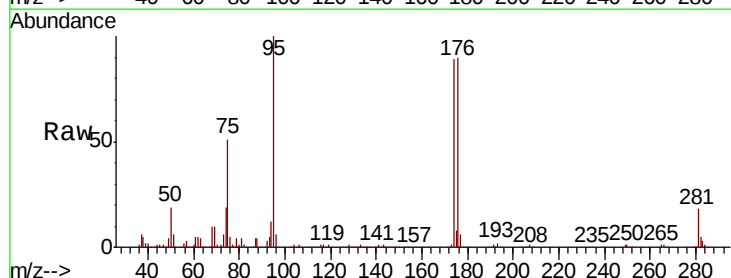
Manual Integrations
 APPROVED

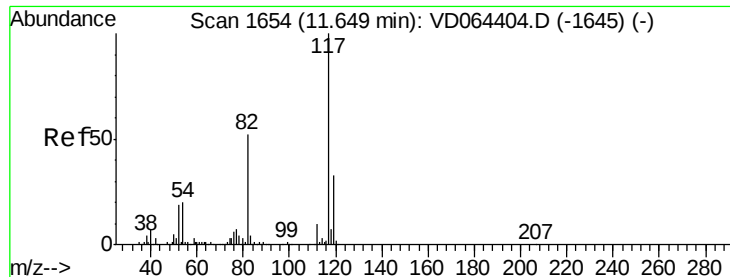
apatel
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#62
 4-Bromofluorobenzene
 Concen: 54.949 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064409.D
 Acq: 04 Dec 2019 11:09

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	320647		
174	93.8	0.0	197.2	
176	91.0	0.0	189.6	





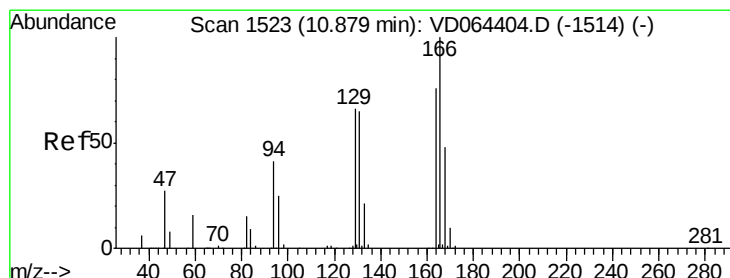
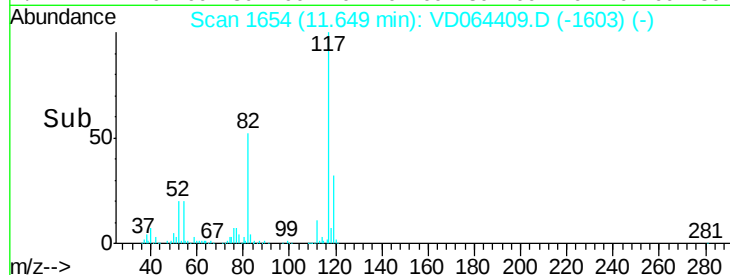
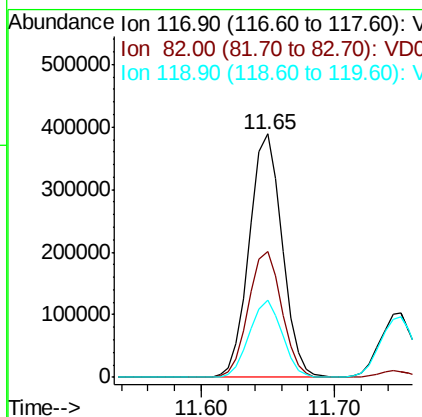
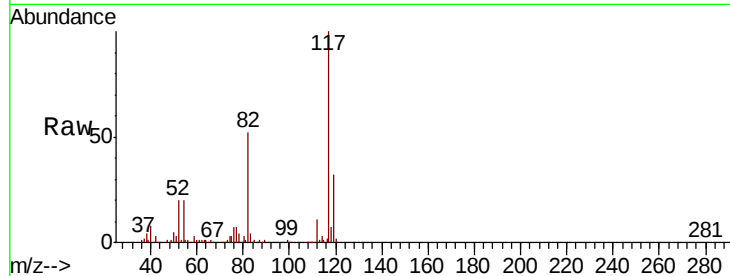
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064409.D
Acq: 04 Dec 2019 11:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	659562		
82	52.0		41.4	62.2
119	31.9		26.2	39.2

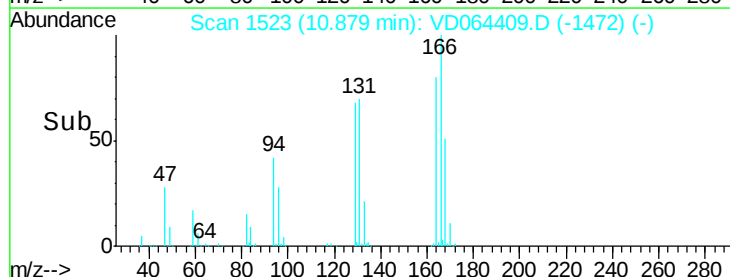
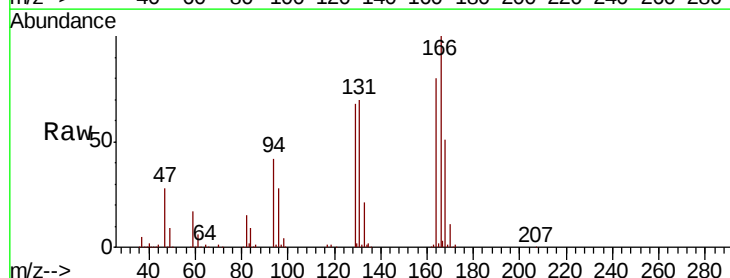
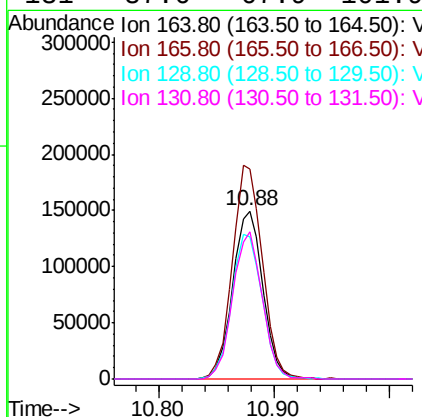
Manual Integrations
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#64
Tetrachloroethene
Concen: 54.004 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064409.D
Acq: 04 Dec 2019 11:09

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	271622		
166	124.7		104.8	157.2
129	84.3		68.7	103.1
131	87.6		67.9	101.9





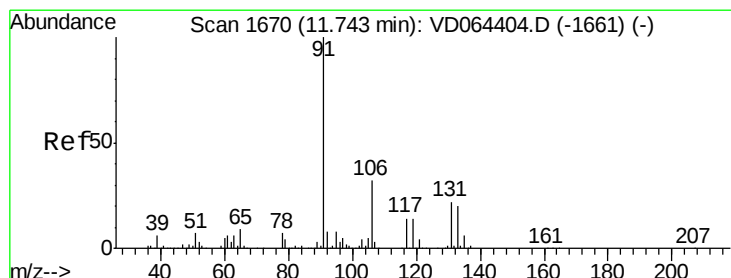
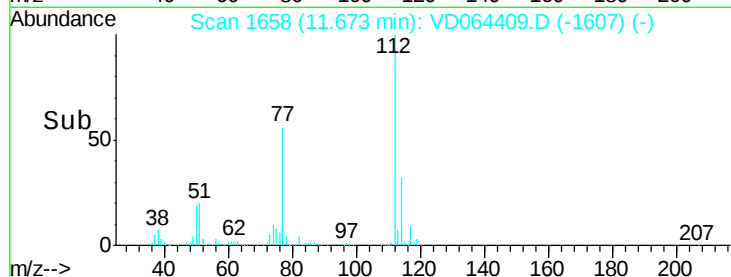
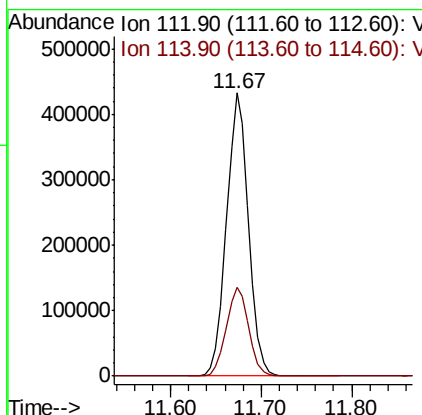
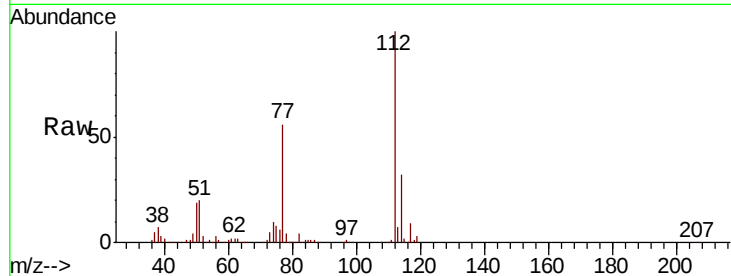
#65
Chlorobenzene
Concen: 52.673 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064409.D
Acq: 04 Dec 2019 11:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.6	26.5	39.7

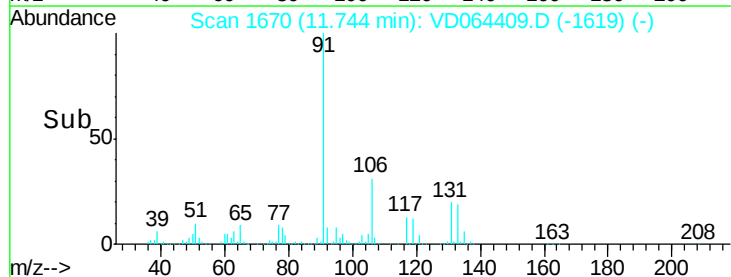
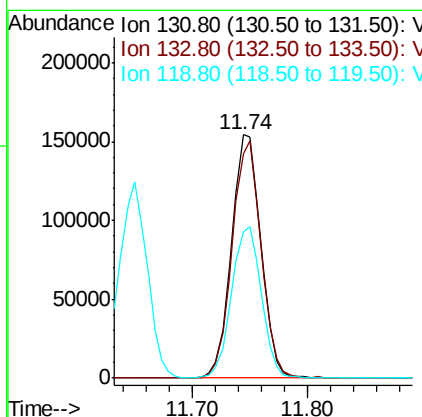
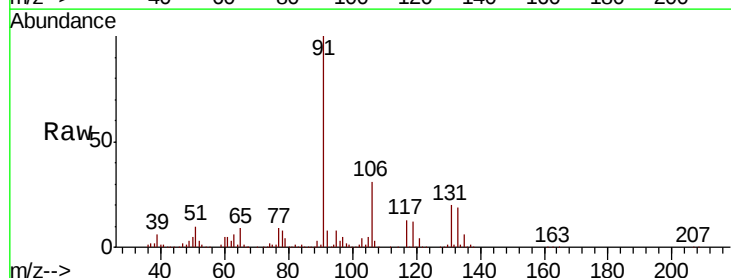
Manual Integrations
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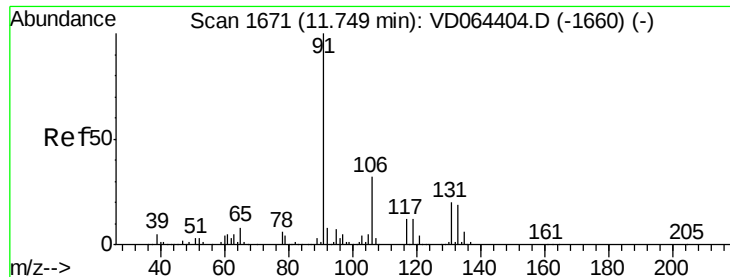
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 53.411 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD064409.D
Acq: 04 Dec 2019 11:09

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.8	48.3	144.9
119	63.2	31.9	95.9





#67

Ethyl Benzene

Concen: 54.564 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064409.D

Acq: 04 Dec 2019 11:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1335482

Ion Ratio Lower Upper

91 100

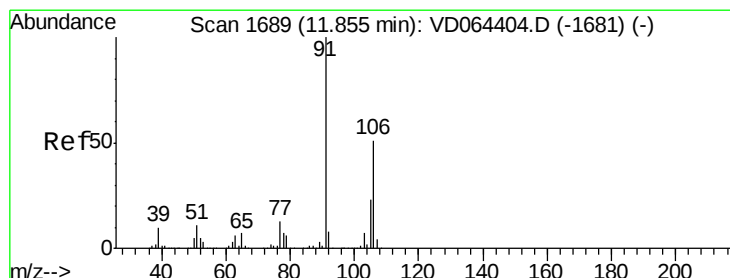
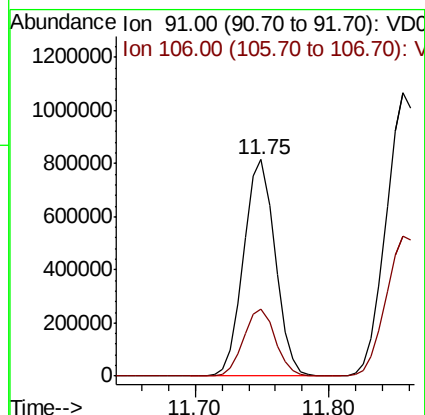
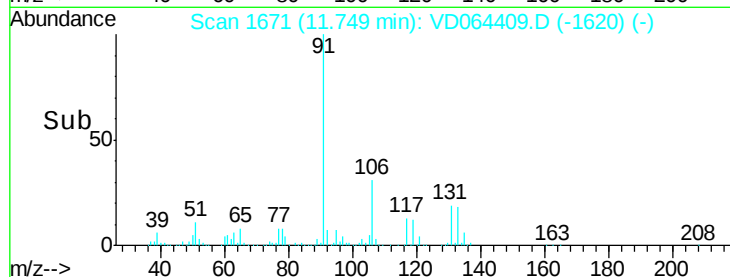
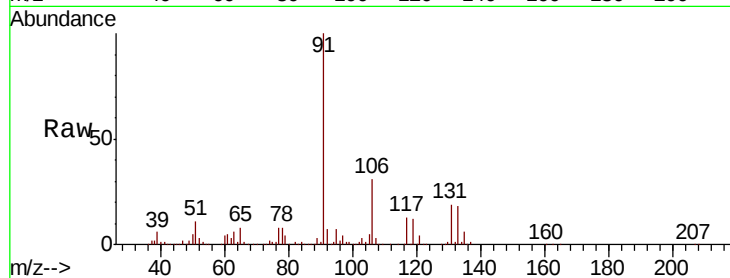
106 31.2 25.8 38.8

Manual Integrations

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#68

m/p-Xylenes

Concen: 109.512 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064409.D

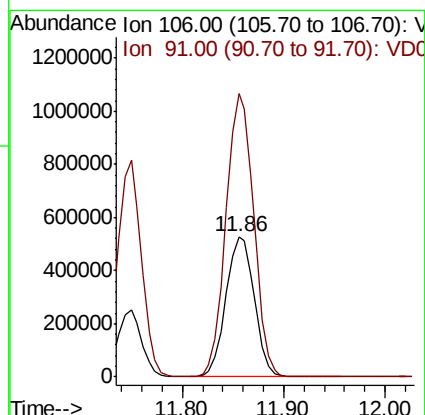
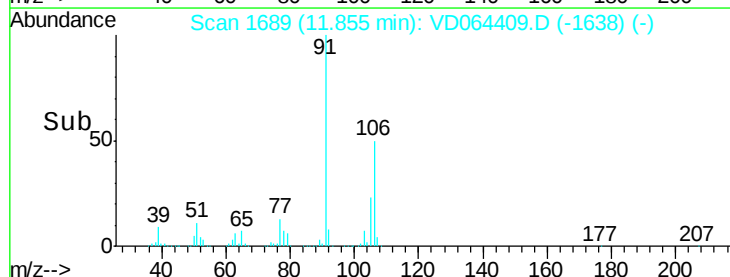
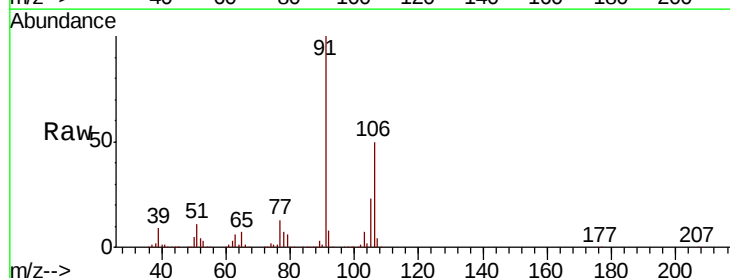
Acq: 04 Dec 2019 11:09

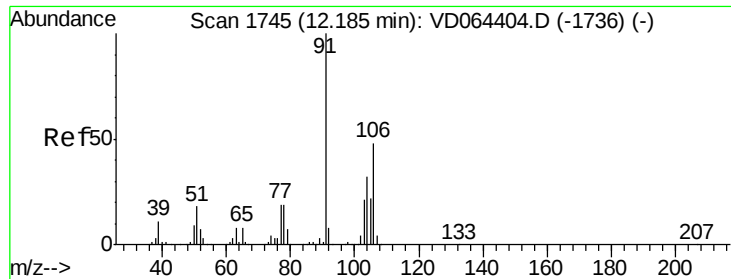
Tgt Ion: 106 Resp: 1021997

Ion Ratio Lower Upper

106 100

91 198.6 157.4 236.2





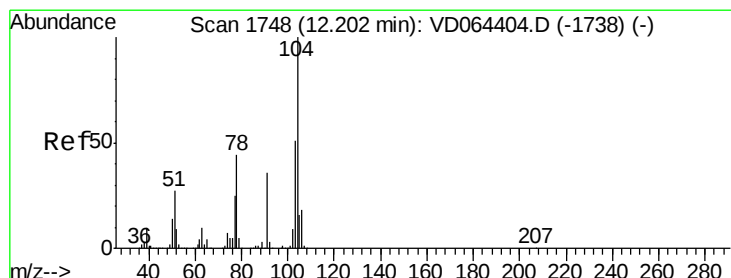
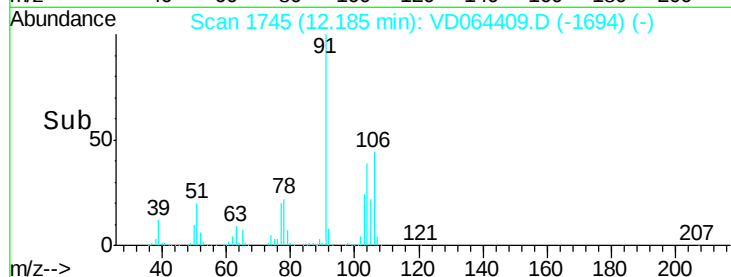
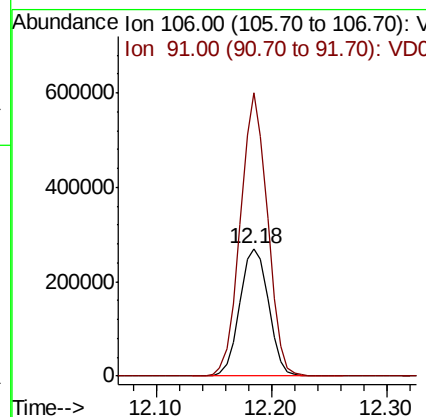
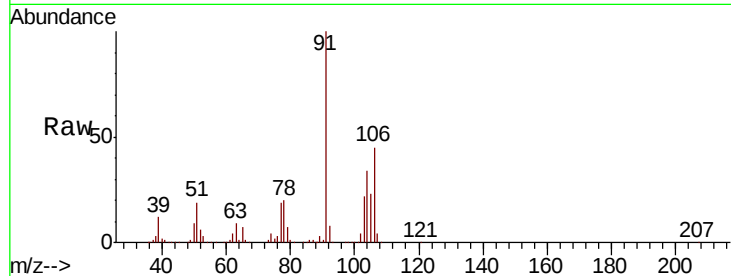
#69
o-Xylene
Concen: 53.983 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064409.D
Acq: 04 Dec 2019 11:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		465275		
91	209.7	103.8	311.4		

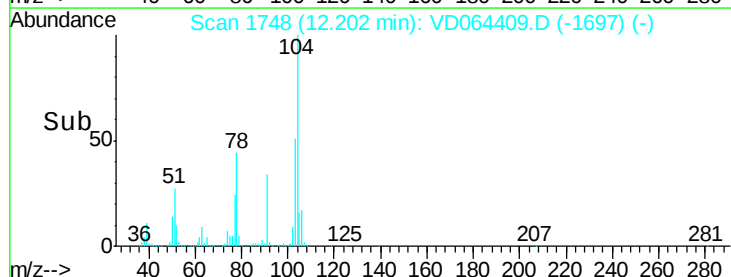
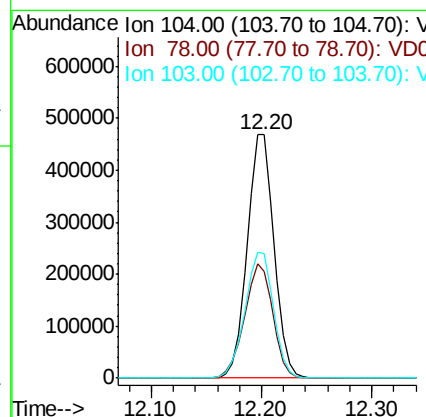
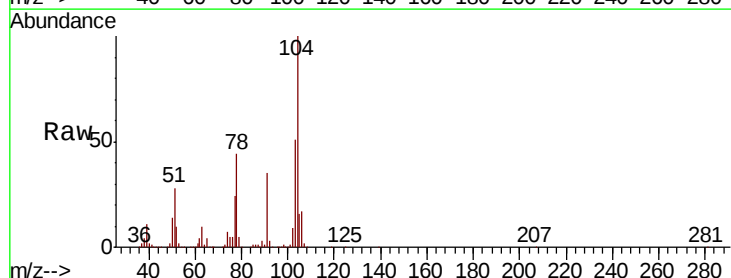
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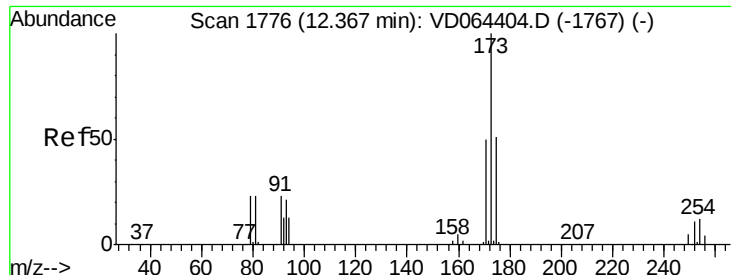
apatel
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#70
Styrene
Concen: 53.579 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD064409.D
Acq: 04 Dec 2019 11:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		802488		
78	49.5	38.8	58.2		
103	55.3	44.2	66.4		





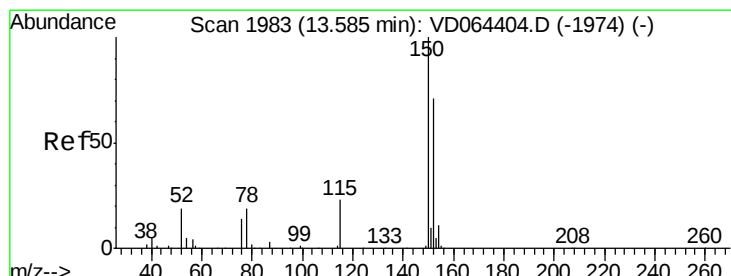
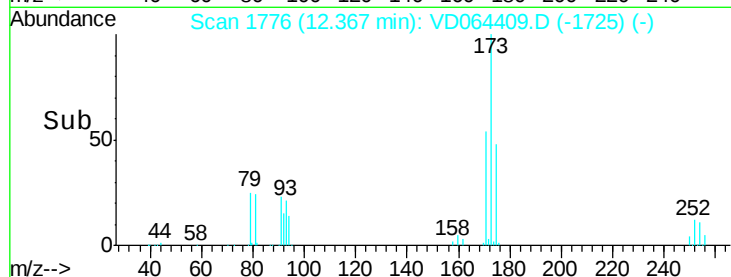
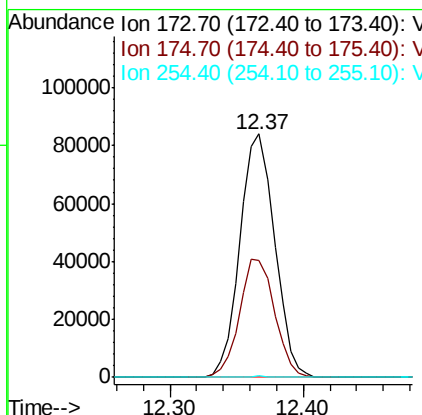
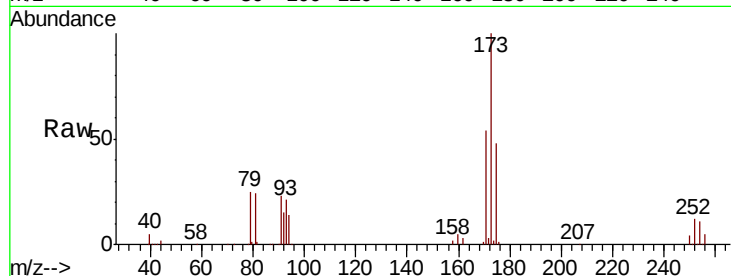
#71
Bromoform
Concen: 49.721 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD064409.D
Acq: 04 Dec 2019 11:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	25.3	75.8
254	0.2	0.0	0.0

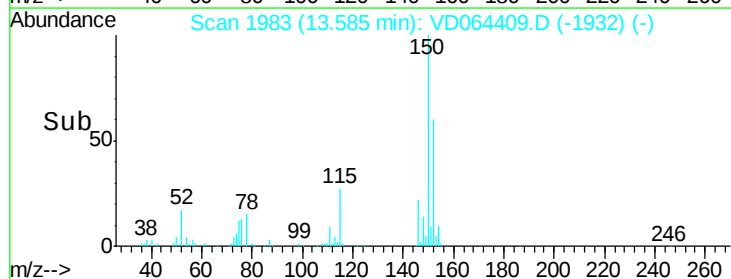
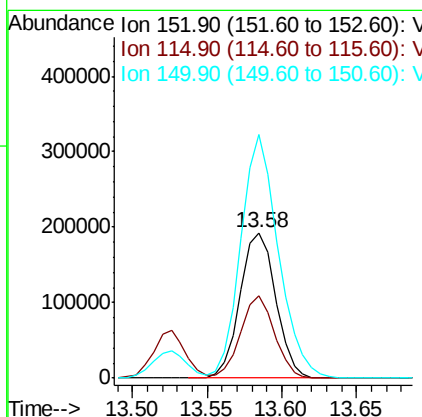
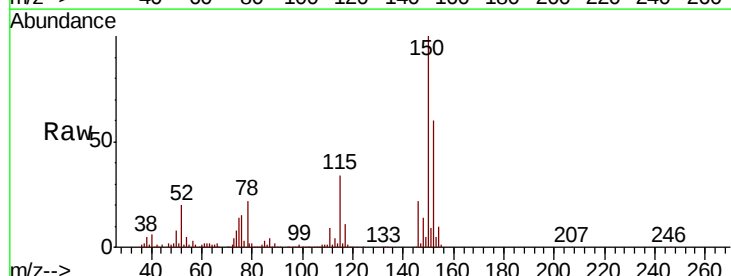
Manual Integrations
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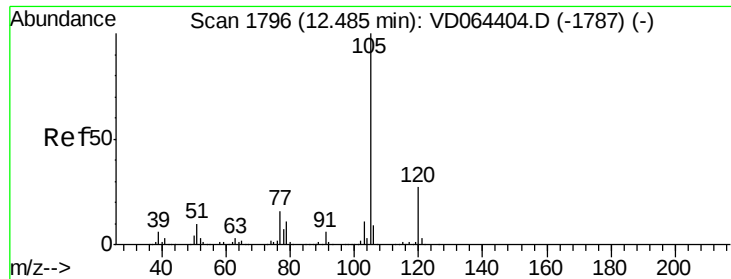
apatel
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064409.D
Acq: 04 Dec 2019 11:09

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.8	26.7	80.1
150	176.1	0.0	347.2





#73

Isopropylbenzene

Concen: 55.879 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064409.D

Acq: 04 Dec 2019 11:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1283810

Ion Ratio Lower Upper

105 100

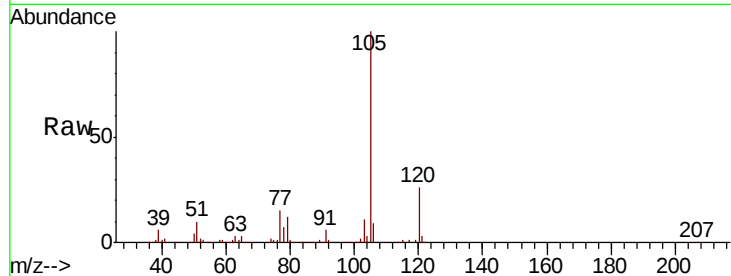
120 27.0 13.4 40.2

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

800000

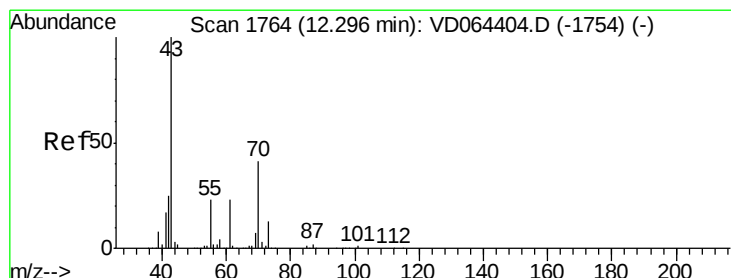
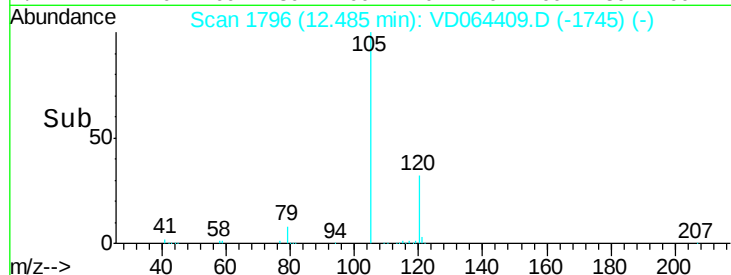
600000

400000

200000

0

Time-->



#74

N-ethyl acetate

Concen: 52.329 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD064409.D

Acq: 04 Dec 2019 11:09

Tgt Ion: 43 Resp: 272862

Ion Ratio Lower Upper

43 100

70 41.8 33.4 50.2

55 23.1 18.9 28.3

61 22.8 18.5 27.7

Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

250000

200000

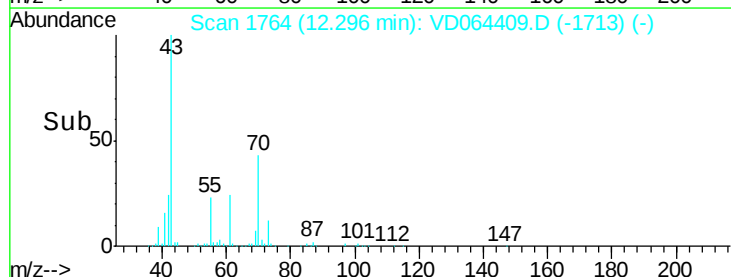
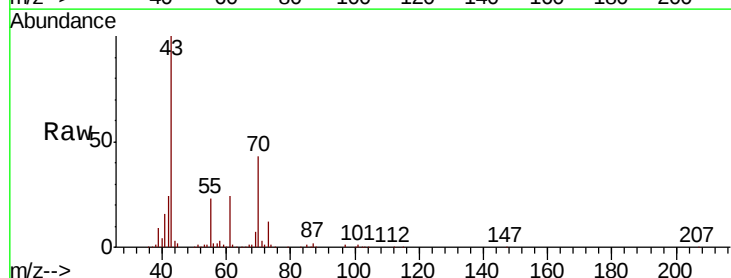
150000

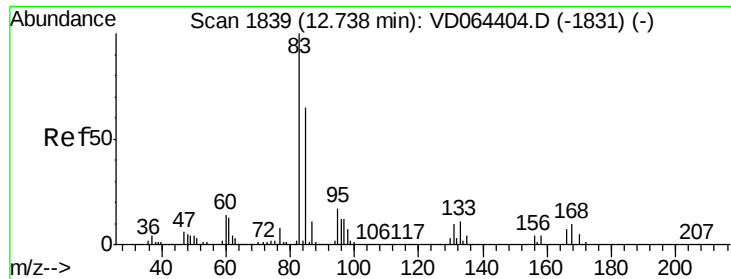
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 49.939 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064409.D

Acq: 04 Dec 2019 11:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 189732

Ion Ratio Lower Upper

83 100

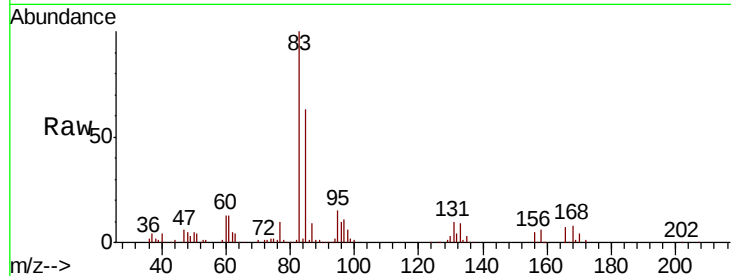
131 11.5 5.7 17.0

85 63.8 31.3 93.9

Manual Integrations
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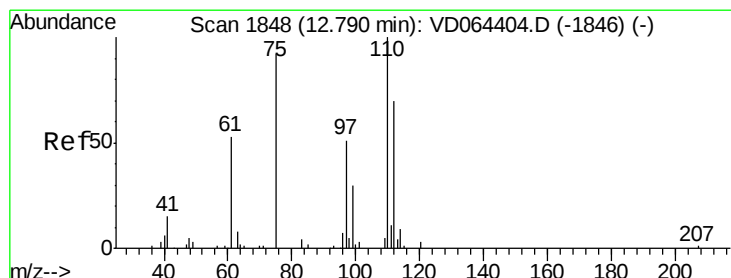
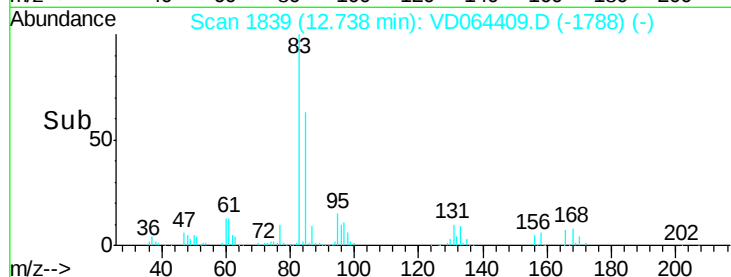
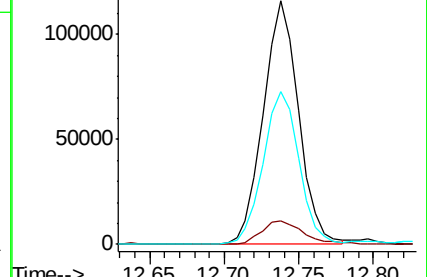
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Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 56.696 ug/l m

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064409.D

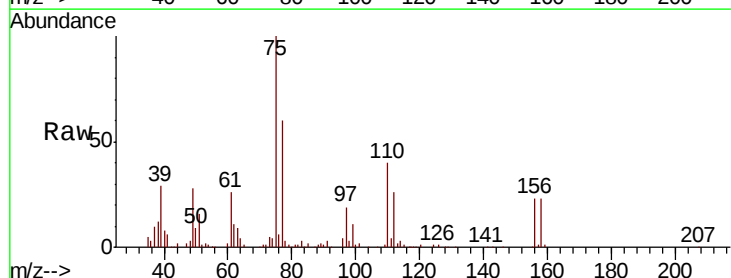
Acq: 04 Dec 2019 11:09

Tgt Ion: 75 Resp: 148940

Ion Ratio Lower Upper

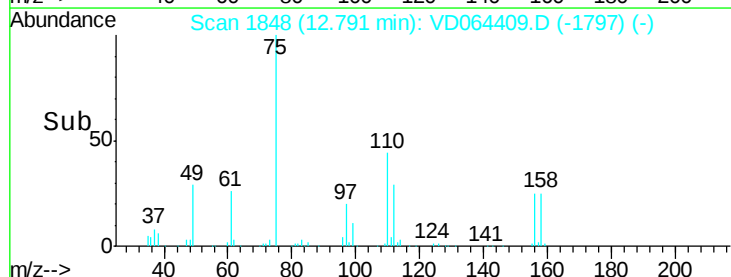
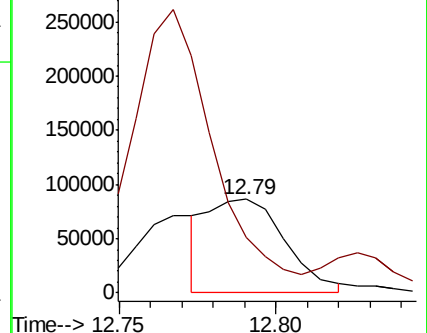
75 100

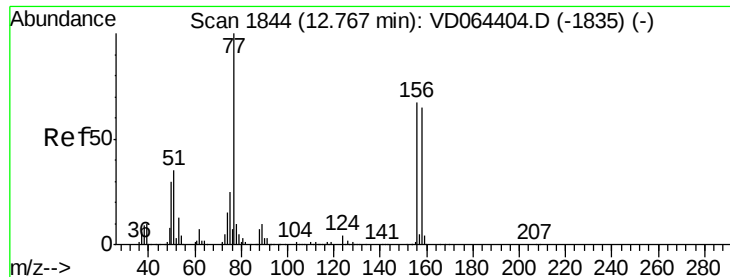
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 53.626 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD064409.D

Acq: 04 Dec 2019 11:09

Instrument :

MSVOA_D

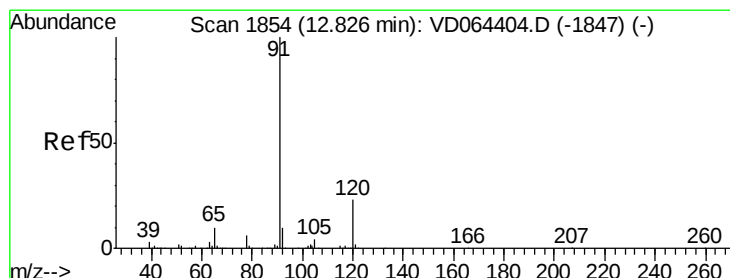
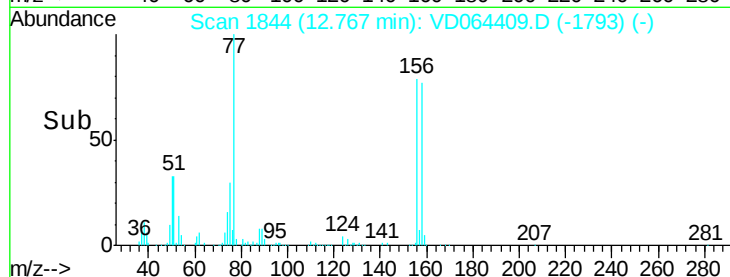
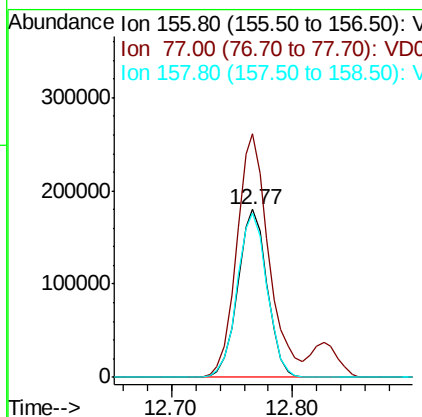
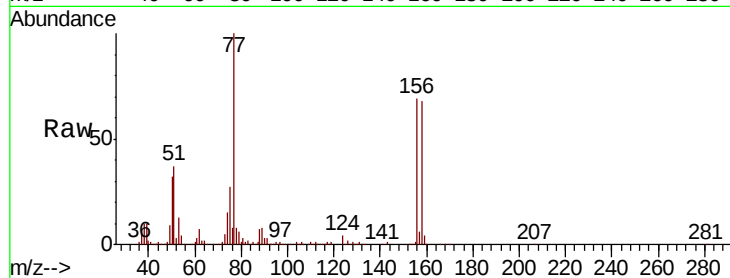
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	304246
Ion Ratio	Lower	Upper	
156	100		
77	159.1	80.0	240.2
158	99.8	48.9	146.6

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#78

n-propylbenzene

Concen: 56.067 ug/l

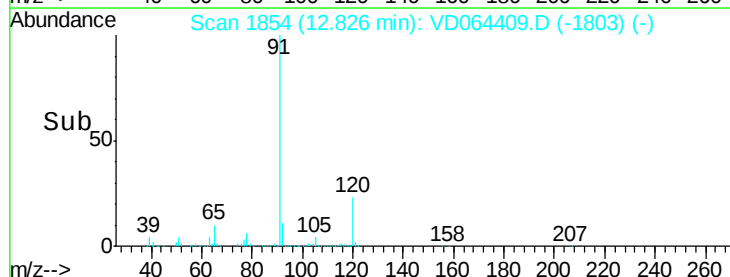
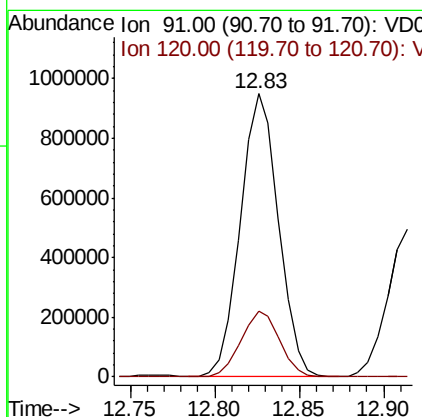
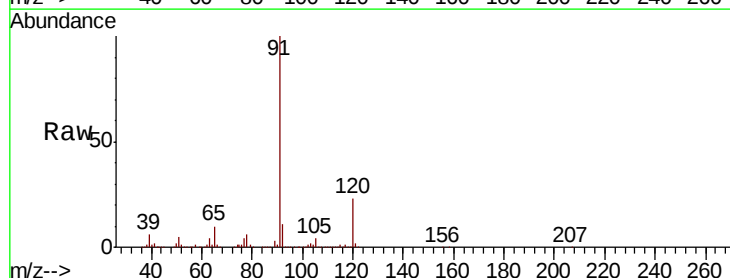
RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064409.D

Acq: 04 Dec 2019 11:09

Tgt Ion:	91	Resp:	1486233
Ion Ratio	Lower	Upper	
91	100		
120	23.6	11.9	35.9





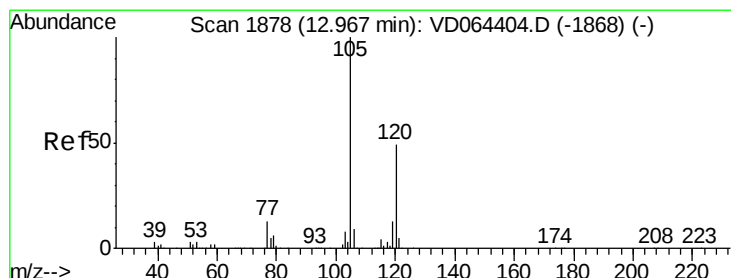
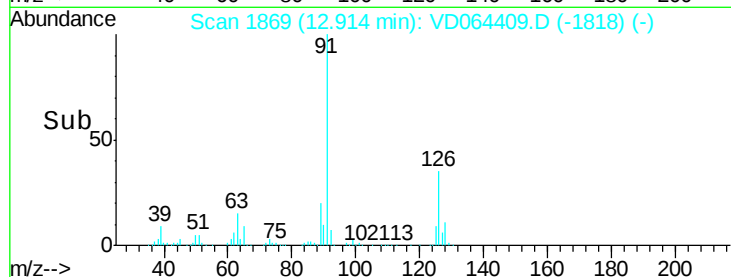
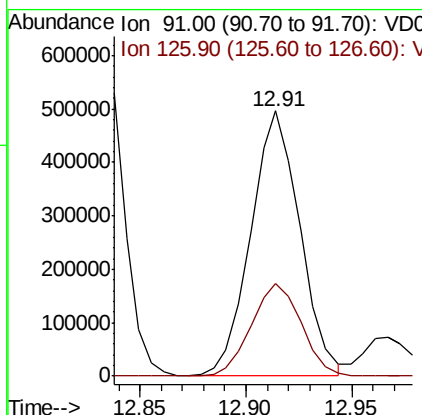
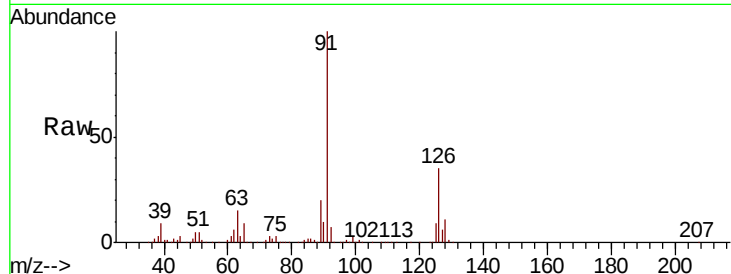
#79
2-Chlorotoluene
Concen: 54.894 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. 0.00 min
Lab File: VD064409.D
Acq: 04 Dec 2019 11:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 800692
Ion Ratio Lower Upper
91 100
126 35.8 18.0 54.0

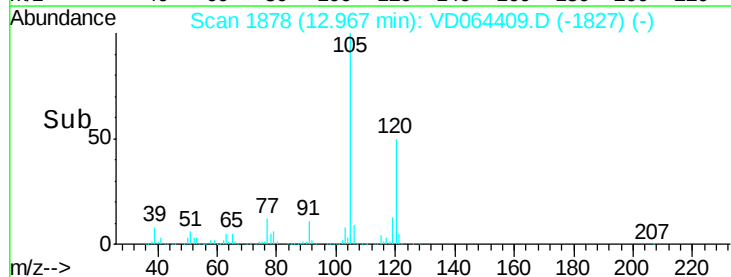
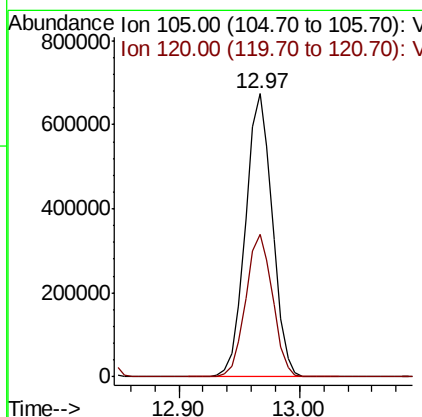
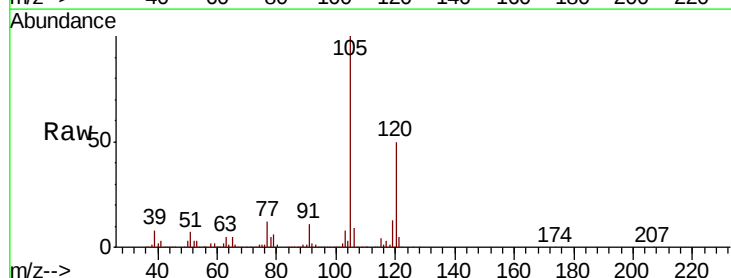
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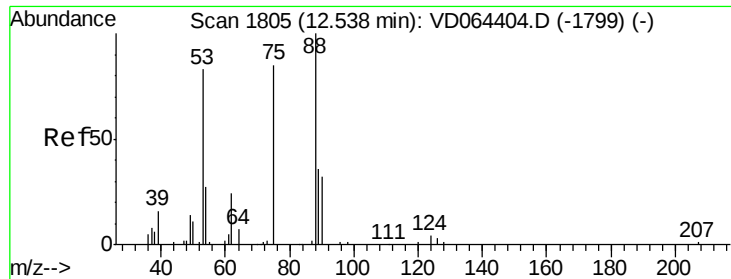
apatel
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#80
1,3,5-Trimethylbenzene
Concen: 55.784 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. 0.00 min
Lab File: VD064409.D
Acq: 04 Dec 2019 11:09

Tgt Ion: 105 Resp: 1047336
Ion Ratio Lower Upper
105 100
120 50.6 25.1 75.3





#81

trans-1,4-Dichloro-2-butene

Concen: 53.805 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD064409.D

Acq: 04 Dec 2019 11:09

Instrument :

MSVOA_D

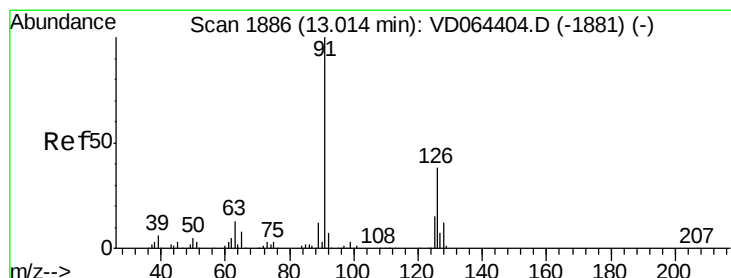
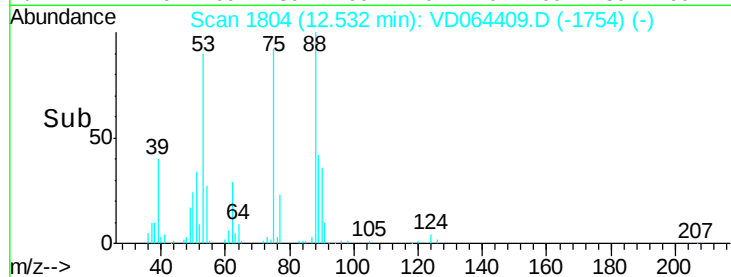
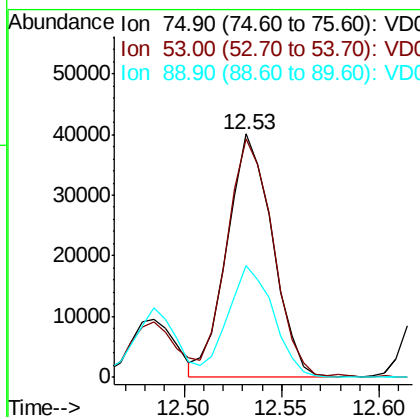
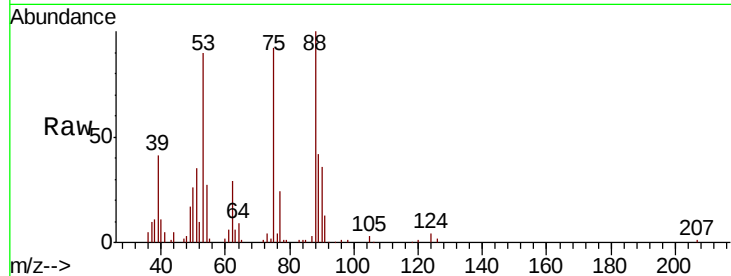
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	64822
Ion	Ratio	Lower	Upper
75	100		
53	99.2	81.0	121.6
89	45.5	38.5	57.7

Manual Integrations
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#82

4-Chlorotoluene

Concen: 54.856 ug/l

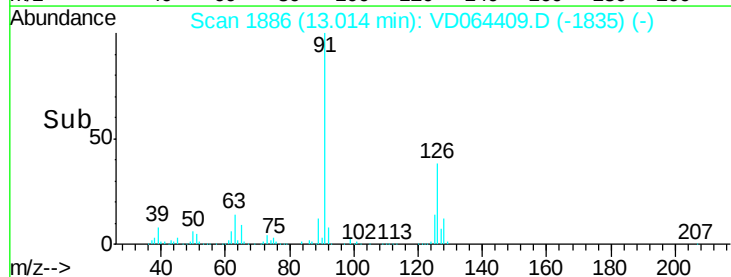
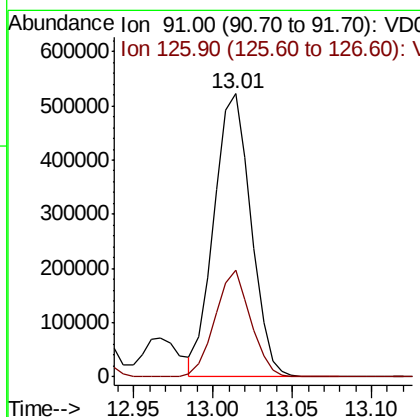
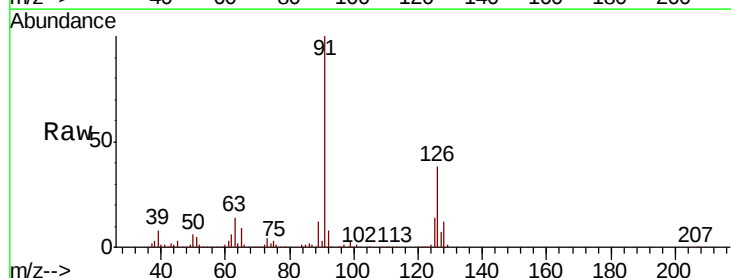
RT: 13.01 min Scan# 1886

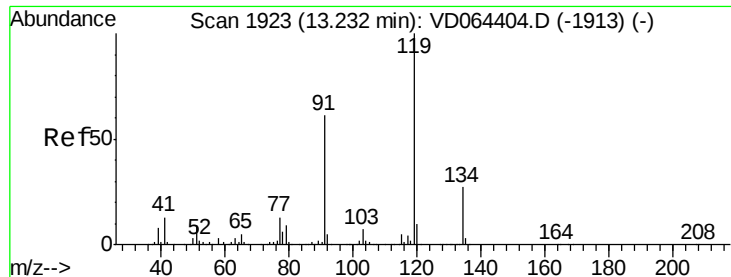
Delta R.T. 0.00 min

Lab File: VD064409.D

Acq: 04 Dec 2019 11:09

Tgt Ion:	91	Resp:	847169
Ion	Ratio	Lower	Upper
91	100		
126	36.2	18.2	54.6





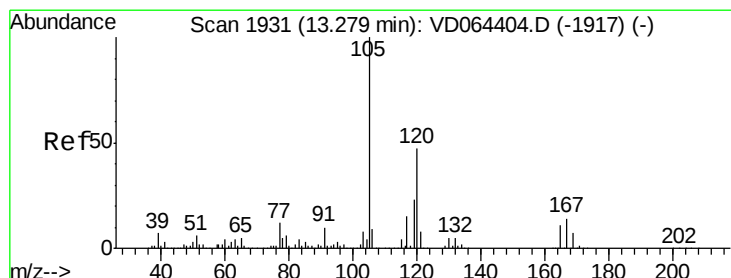
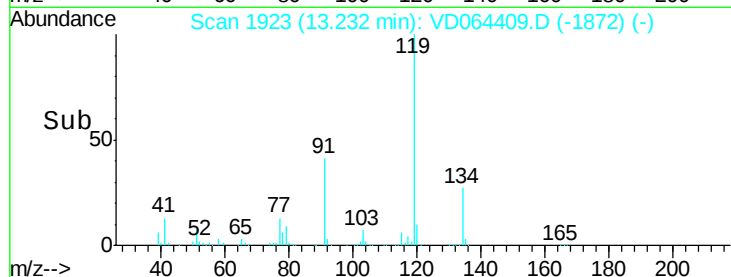
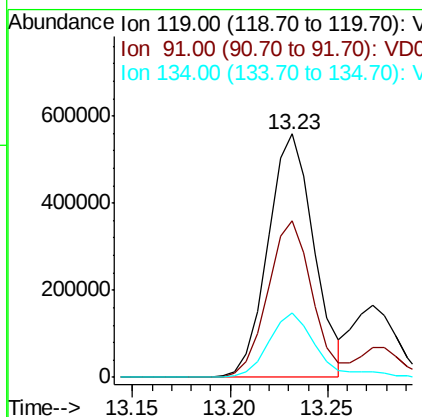
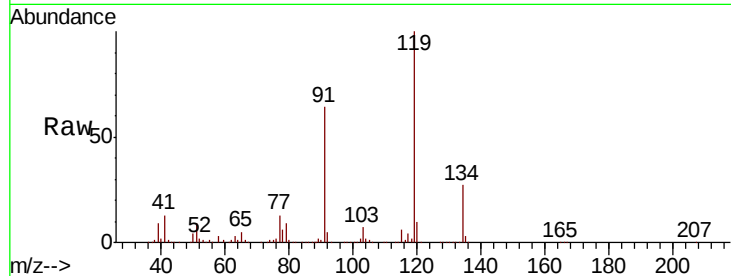
#83
 tert-Butylbenzene
 Concen: 55.721 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD064409.D
 Acq: 04 Dec 2019 11:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.0	31.2	93.6
134	27.7	13.9	41.7

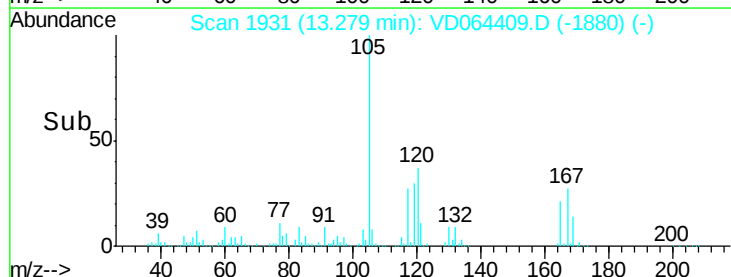
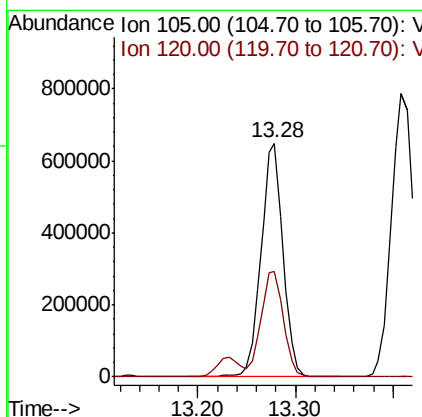
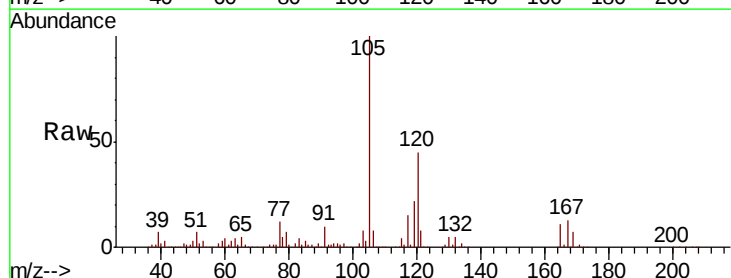
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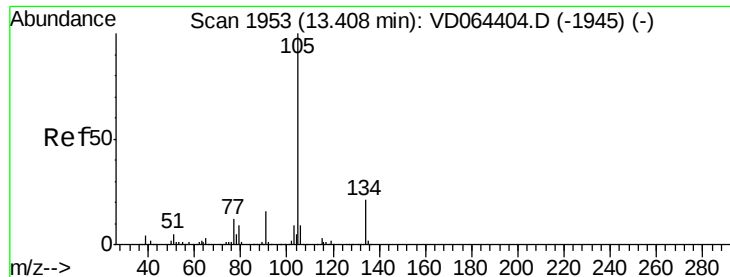
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#84
 1,2,4-Trimethylbenzene
 Concen: 54.484 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. 0.00 min
 Lab File: VD064409.D
 Acq: 04 Dec 2019 11:09

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.9	23.6	70.8





#85

sec-Butylbenzene

Concen: 56.304 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064409.D

Acq: 04 Dec 2019 11:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1261313

Ion Ratio Lower Upper

105 100

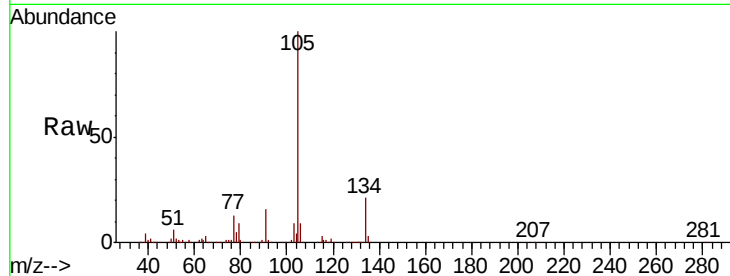
134 21.4 10.5 31.5

Manual Integrations

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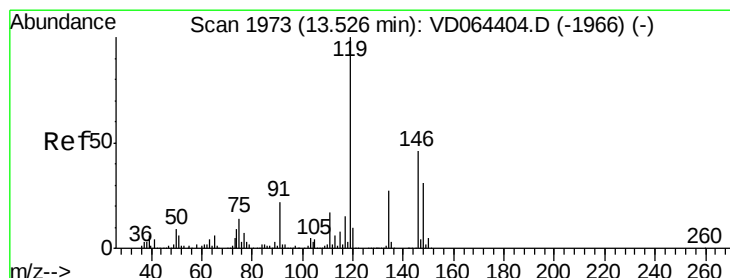
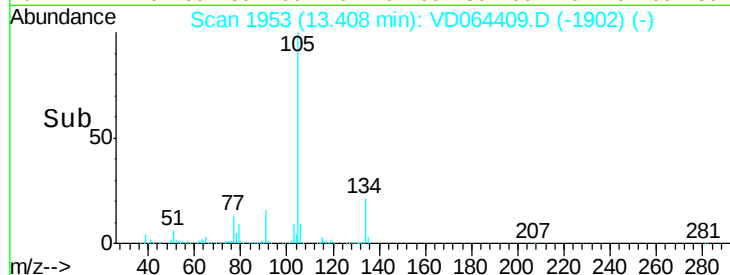
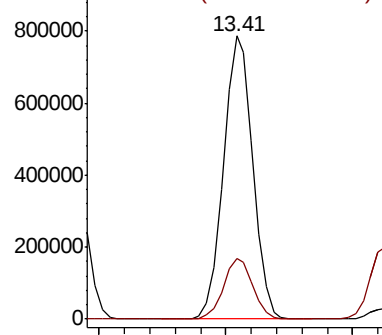
apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 56.594 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064409.D

Acq: 04 Dec 2019 11:09

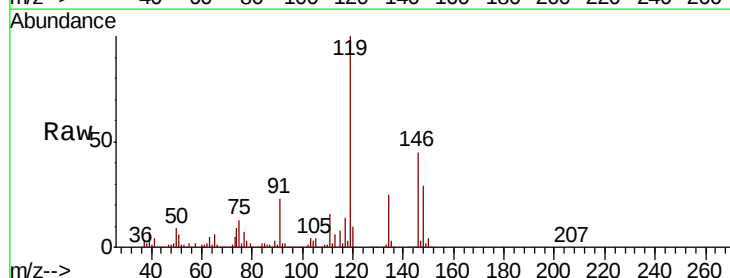
Tgt Ion:119 Resp: 1196931

Ion Ratio Lower Upper

119 100

134 26.0 13.5 40.4

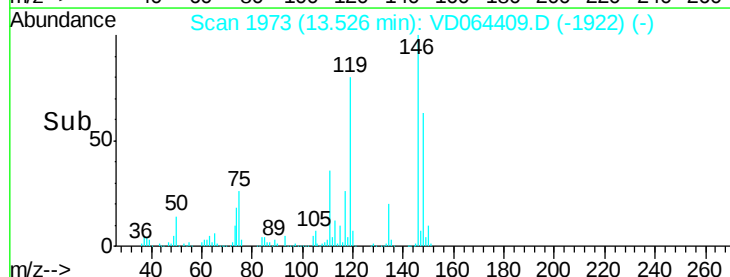
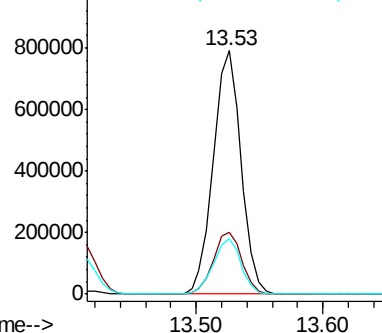
91 22.5 11.2 33.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





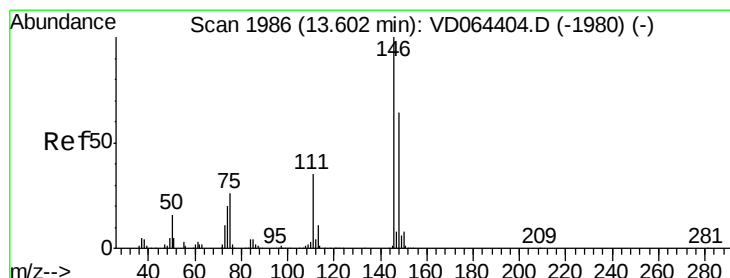
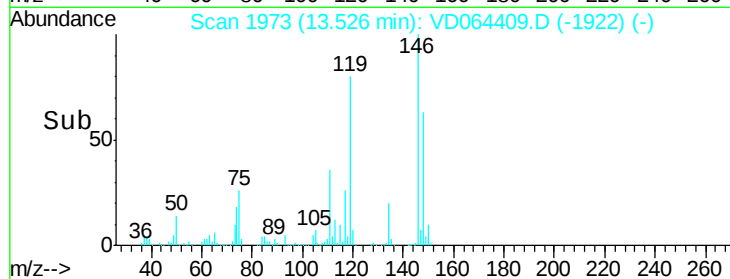
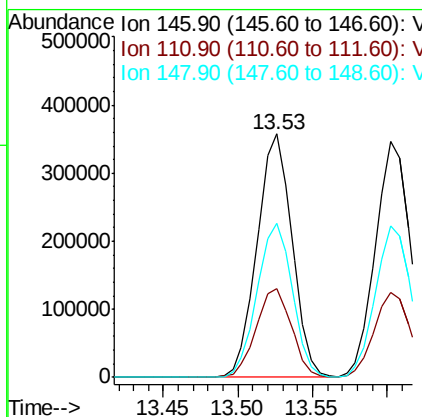
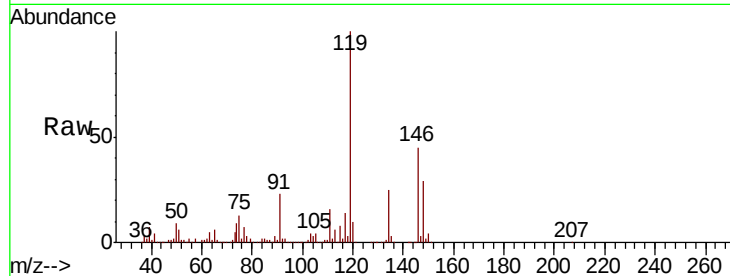
#87
 1,3-Dichlorobenzene
 Concen: 53.796 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064409.D
 Acq: 04 Dec 2019 11:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	579286		
111	37.0		18.8	56.4
148	63.9		32.6	97.8

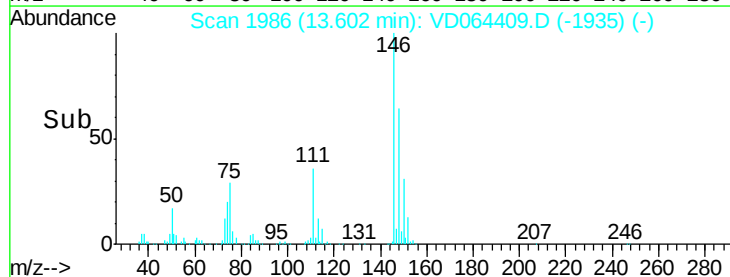
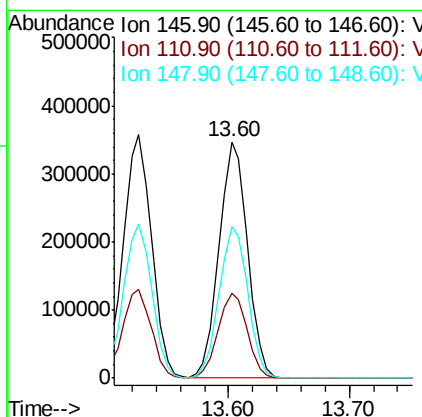
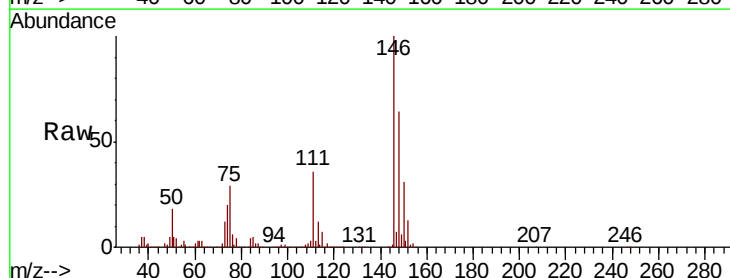
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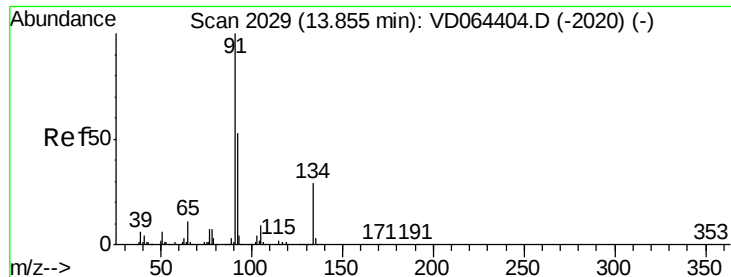
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#88
 1,4-Dichlorobenzene
 Concen: 52.988 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064409.D
 Acq: 04 Dec 2019 11:09

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	563328		
111	36.9		18.2	54.6
148	64.8		31.8	95.4





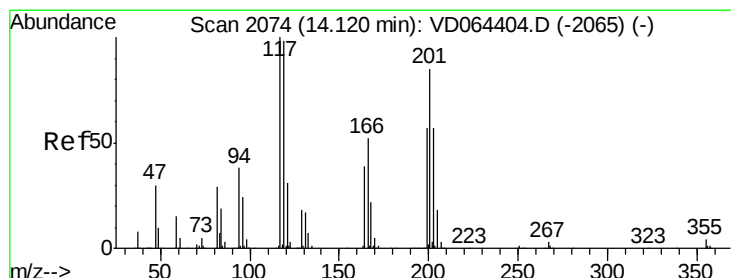
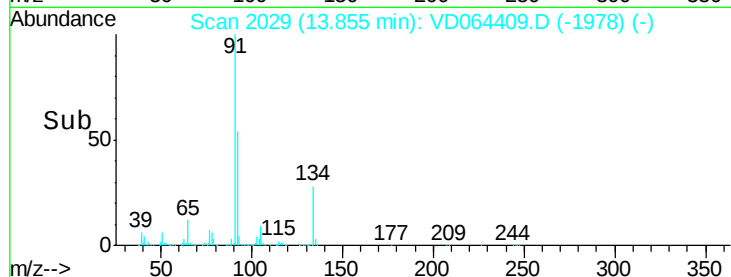
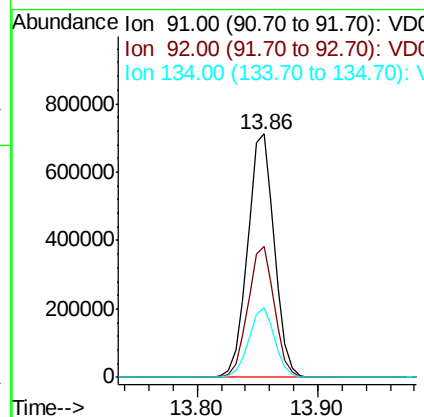
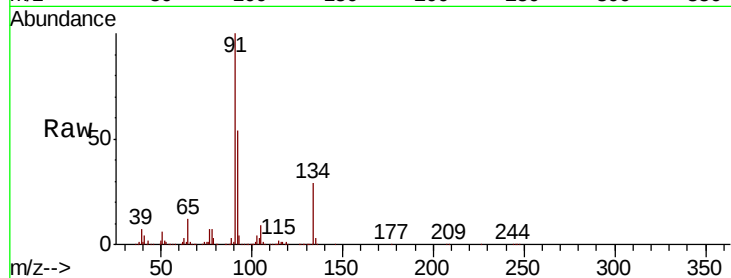
#89
n-Butylbenzene
Concen: 57.002 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD064409.D
Acq: 04 Dec 2019 11:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.5	26.5	79.4
134	27.9	13.9	41.7

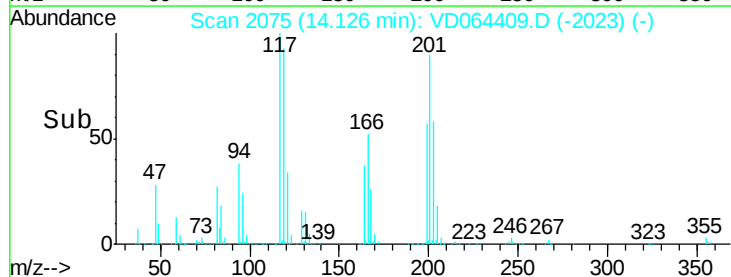
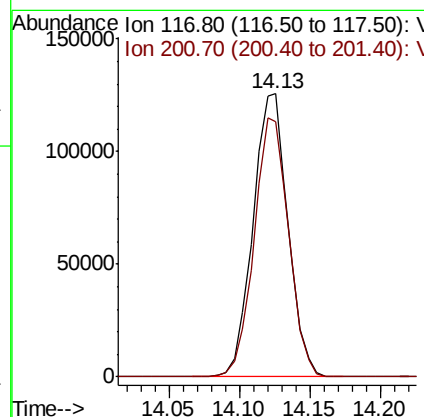
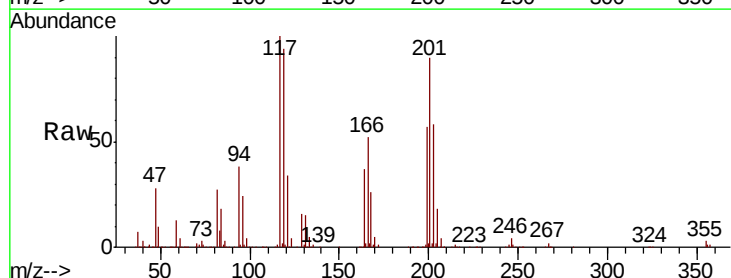
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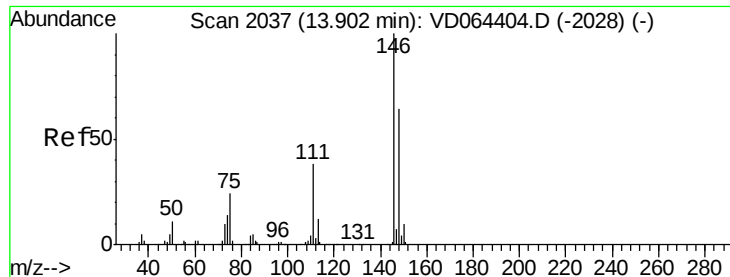
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#90
Hexachloroethane
Concen: 55.221 ug/l
RT: 14.13 min Scan# 2075
Delta R.T. 0.01 min
Lab File: VD064409.D
Acq: 04 Dec 2019 11:09

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.5	44.3	132.8





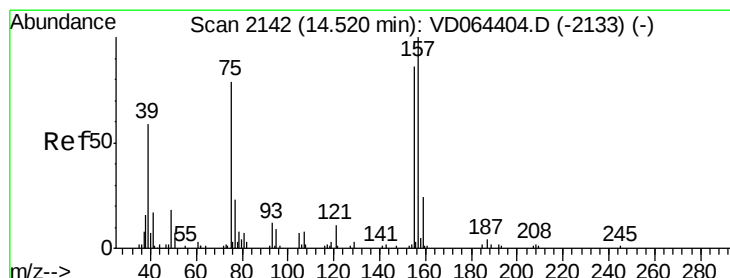
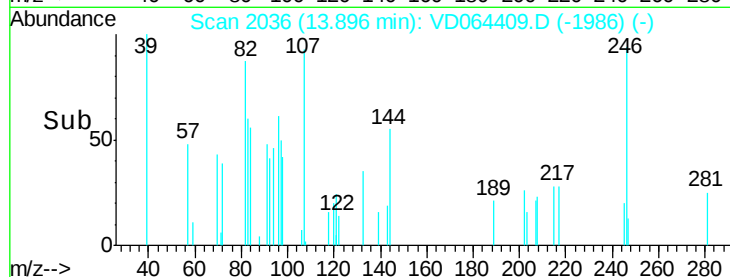
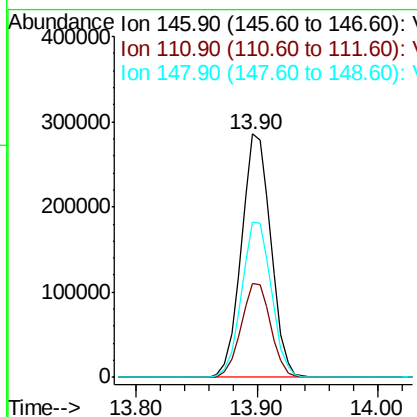
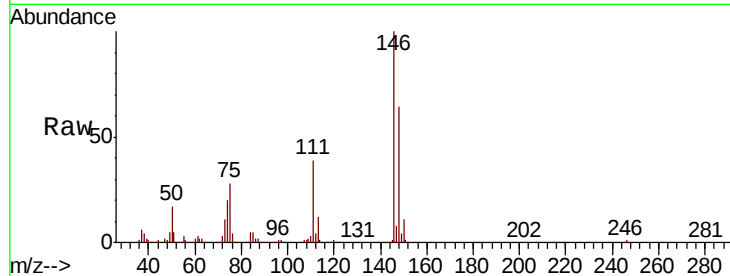
#91
 1,2-Dichlorobenzene
 Concen: 52.822 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD064409.D
 Acq: 04 Dec 2019 11:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.1	57.3
148	64.6	32.0	96.0

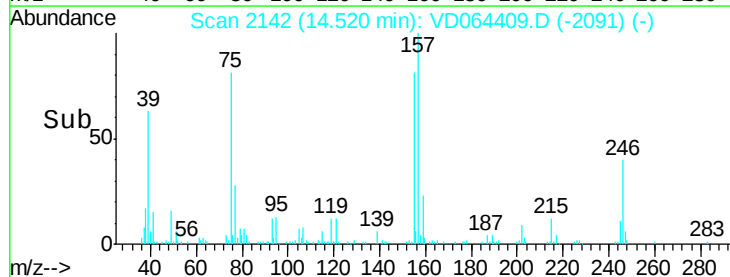
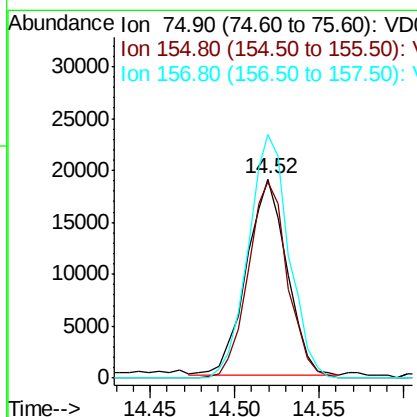
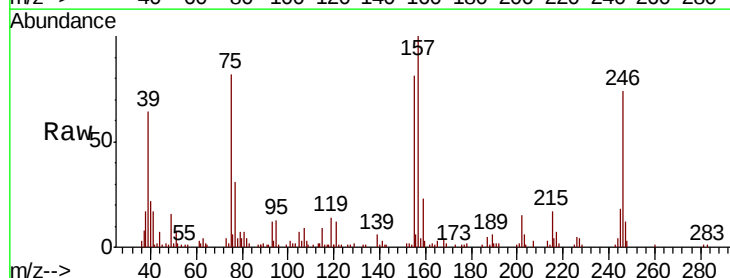
Manual Integrations
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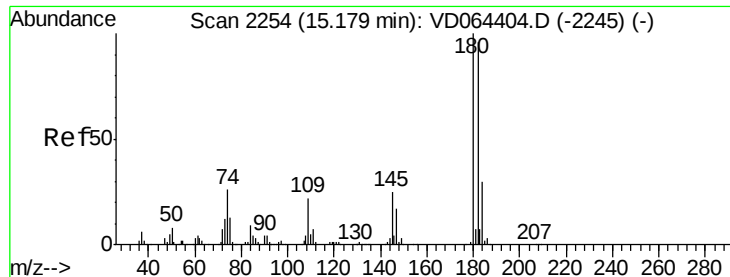
apatel
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 56.135 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD064409.D
 Acq: 04 Dec 2019 11:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.0	51.9	155.7
157	124.0	63.2	189.8





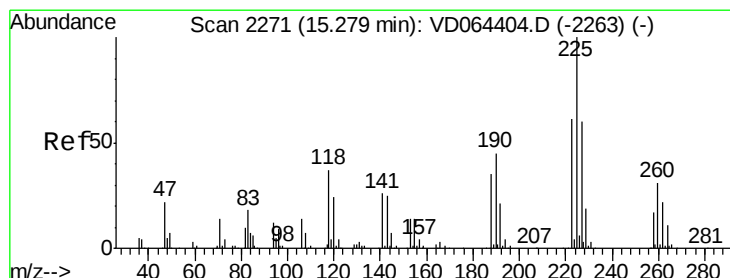
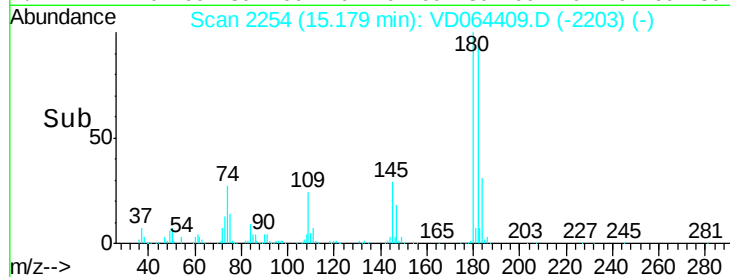
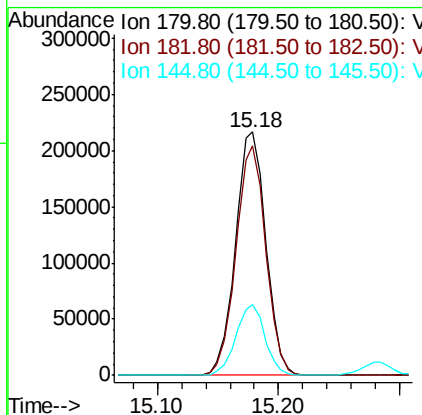
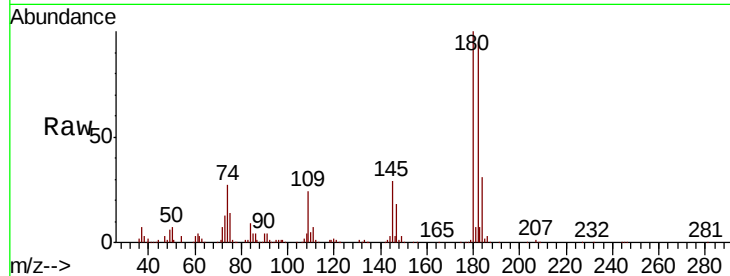
#93
 1,2,4-Trichlorobenzene
 Concen: 53.791 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VD064409.D
 Acq: 04 Dec 2019 11:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	379110		
182	92.6	47.4	142.3	
145	28.0	14.0	41.9	

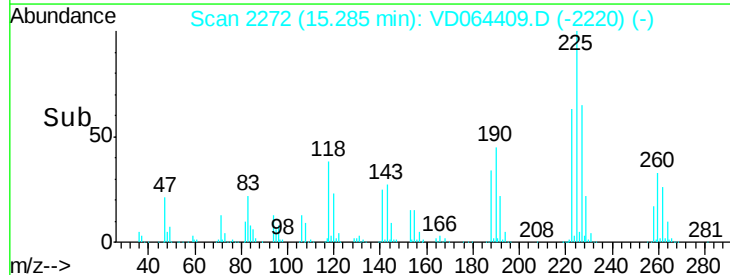
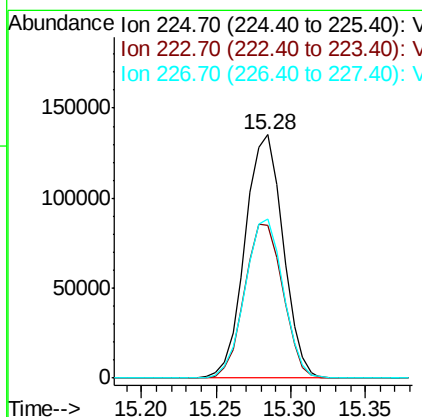
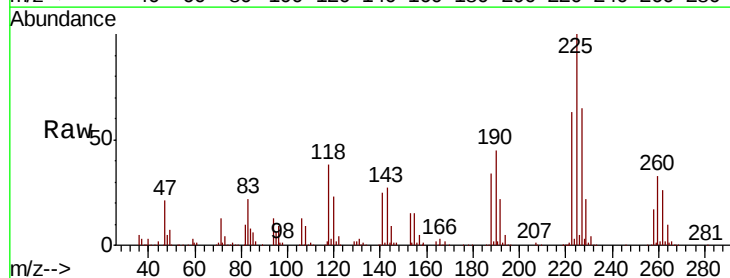
Manual Integrations
 APPROVED

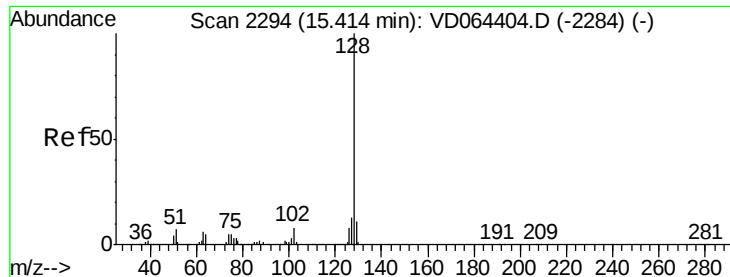
apatel
 12/5/2019 2:58:57 PM



#94
 Hexachlorobutadiene
 Concen: 54.671 ug/l
 RT: 15.28 min Scan# 2272
 Delta R.T. 0.01 min
 Lab File: VD064409.D
 Acq: 04 Dec 2019 11:09

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	237870		
223	64.2	31.1	93.3	
227	65.7	31.8	95.4	





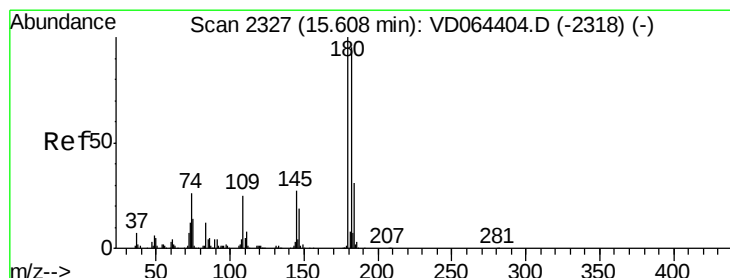
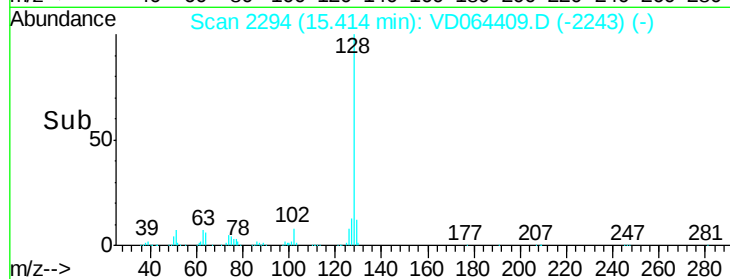
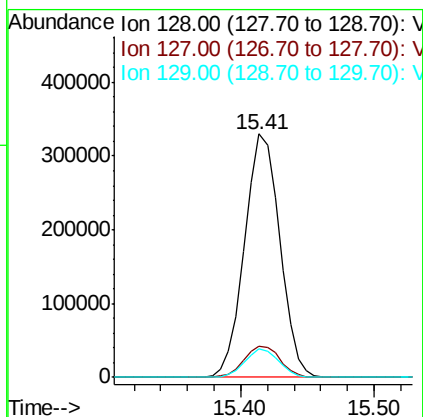
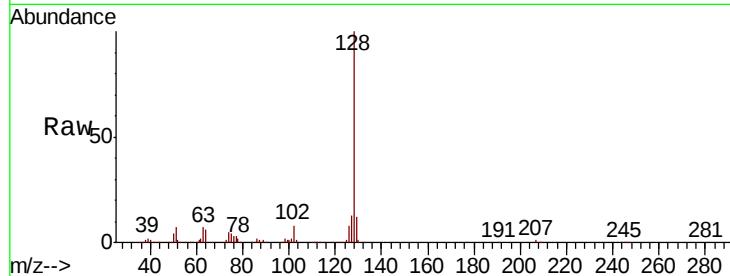
#95
Naphthalene
Concen: 51.234 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064409.D
Acq: 04 Dec 2019 11:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.5	15.7
129	11.2	8.8	13.2

Manual Integrations
APPROVED

apatel
12/5/2019 2:58:57 PM



#96
1,2,3-Trichlorobenzene
Concen: 52.779 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD064409.D
Acq: 04 Dec 2019 11:09

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.6	142.9
145	29.5	14.6	43.8

