

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD011020\
 Data File : VD064831.D
 Acq On : 10 Jan 2020 13:20
 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

MMDadoda
 1/13/2020 12:38:13 PM

Quant Time: Jan 10 22:30:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	390156	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	556521	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	485616	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	242528	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	179719	52.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.48%	
35) Dibromofluoromethane	7.92	113	177121	51.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.76%	
50) Toluene-d8	10.34	98	679492	51.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.92%	
62) 4-Bromofluorobenzene	12.64	95	215233	52.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	141694	46.731	ug/l	98
3) Chloromethane	2.21	50	207357	48.899	ug/l	95
4) Vinyl Chloride	2.35	62	255676	49.450	ug/l	99
5) Bromomethane	2.77	94	173176	46.065	ug/l	97
6) Chloroethane	2.93	64	172690	49.846	ug/l	99
7) Trichlorofluoromethane	3.27	101	431853	49.605	ug/l	97
8) Diethyl Ether	3.71	74	83941	48.555	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.08	101	188530	52.291	ug/l	97
10) Methyl Iodide	4.29	142	209081	53.987	ug/l	100
11) Tert butyl alcohol	5.24	59	50329	255.260	ug/l #	86
12) 1,1-Dichloroethene	4.06	96	172612	50.287	ug/l	96
13) Acrolein	3.92	56	64456	234.570	ug/l	99
14) Allyl chloride	4.71	41	284513	53.162	ug/l	100
15) Acrylonitrile	5.43	53	183360	254.634	ug/l	98
16) Acetone	4.16	43	226726	323.480	ug/l	94
17) Carbon Disulfide	4.40	76	514133	46.322	ug/l	100
18) Methyl Acetate	4.73	43	98148	50.673	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	391986	51.414	ug/l	96
20) Methylene Chloride	4.96	84	191760	54.987	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	202111	51.702	ug/l	96
22) Diisopropyl ether	6.37	45	581777	54.501	ug/l	98
23) Vinyl Acetate	6.31	43	1618879	267.351	ug/l	100
24) 1,1-Dichloroethane	6.26	63	351144	54.795	ug/l	99
25) 2-Butanone	7.22	43	262746	277.841	ug/l	97
26) 2,2-Dichloropropane	7.21	77	329219	55.256	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	223754	53.037	ug/l	97
28) Bromochloromethane	7.55	49	132816	53.317	ug/l	100
29) Tetrahydrofuran	7.57	42	149819	254.756	ug/l	98
30) Chloroform	7.71	83	366954	54.579	ug/l	99
31) Cyclohexane	7.98	56	321756	50.159	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	344523	54.556	ug/l	99
36) 1,1-Dichloropropene	8.11	75	287333	53.642	ug/l	99
37) Ethyl Acetate	7.30	43	107696	51.179	ug/l	98
38) Carbon Tetrachloride	8.10	117	312059	54.636	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	342772	52.834	ug/l	99
40) Benzene	8.35	78	783212	53.562	ug/l	100
41) Methacrylonitrile	7.54	41	56559m	46.325	ug/l	
42) 1,2-Dichloroethane	8.43	62	227777	53.904	ug/l	98
43) Isopropyl Acetate	8.46	43	218443	52.154	ug/l	99
44) Trichloroethene	9.11	130	231613	53.918	ug/l	95
45) 1,2-Dichloropropane	9.39	63	189754	54.350	ug/l	99
46) Dibromomethane	9.48	93	101365	52.074	ug/l	99
47) Bromodichloromethane	9.66	83	281697	54.385	ug/l	98
48) Methyl methacrylate	9.46	41	101134	51.281	ug/l	95
49) 1,4-Dioxane	9.47	88	23551	1049.275	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	540886	261.265	ug/l	100
52) Toluene	10.41	92	515961	53.782	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	262787	54.417	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	308599	54.195	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	135067	51.487	ug/l	95
56) Ethyl methacrylate	10.66	69	174667	53.314	ug/l	100
57) 1,3-Dichloropropane	10.95	76	239876	53.107	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	292431	234.283	ug/l	99
59) 2-Hexanone	10.99	43	404208	287.666	ug/l	99
60) Dibromochloromethane	11.14	129	192233	52.991	ug/l	99
61) 1,2-Dibromoethane	11.25	107	133030	51.414	ug/l	99
64) Tetrachloroethene	10.88	164	201871	54.185	ug/l	98
65) Chlorobenzene	11.67	112	536925	53.272	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	209279	55.079	ug/l	98
67) Ethyl Benzene	11.75	91	999439	54.633	ug/l	98
68) m/p-Xylenes	11.86	106	781957	110.743	ug/l	97
69) o-Xylene	12.18	106	351550	55.120	ug/l	97
70) Styrene	12.20	104	617051	55.119	ug/l	99
71) Bromoform	12.36	173	112934	52.120	ug/l	99
73) Isopropylbenzene	12.48	105	971442	56.050	ug/l	98
74) N-amyl acetate	12.30	43	196765	53.110	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	142363	52.289	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	91503m	47.778	ug/l	
77) Bromobenzene	12.77	156	224517	52.721	ug/l	99
78) n-propylbenzene	12.83	91	1129818	55.878	ug/l	99
79) 2-Chlorotoluene	12.91	91	608155	54.752	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	774352	54.390	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	48733	53.220	ug/l	97
82) 4-Chlorotoluene	13.01	91	652410	55.194	ug/l	99
83) tert-Butylbenzene	13.23	119	685174	55.429	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	790515	55.752	ug/l	97
85) sec-Butylbenzene	13.41	105	946670	55.862	ug/l	100
86) p-Isopropyltoluene	13.53	119	903535	55.759	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	436202	53.730	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	420639	52.743	ug/l	99
89) n-Butylbenzene	13.85	91	822953	56.396	ug/l	99
90) Hexachloroethane	14.12	117	167213	54.021	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	363585	52.522	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	21822	49.442	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	256183	50.260	ug/l	99
94) Hexachlorobutadiene	15.28	225	164682	51.343	ug/l	99
95) Naphthalene	15.41	128	410266	50.878	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	221930	51.001	ug/l	98

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

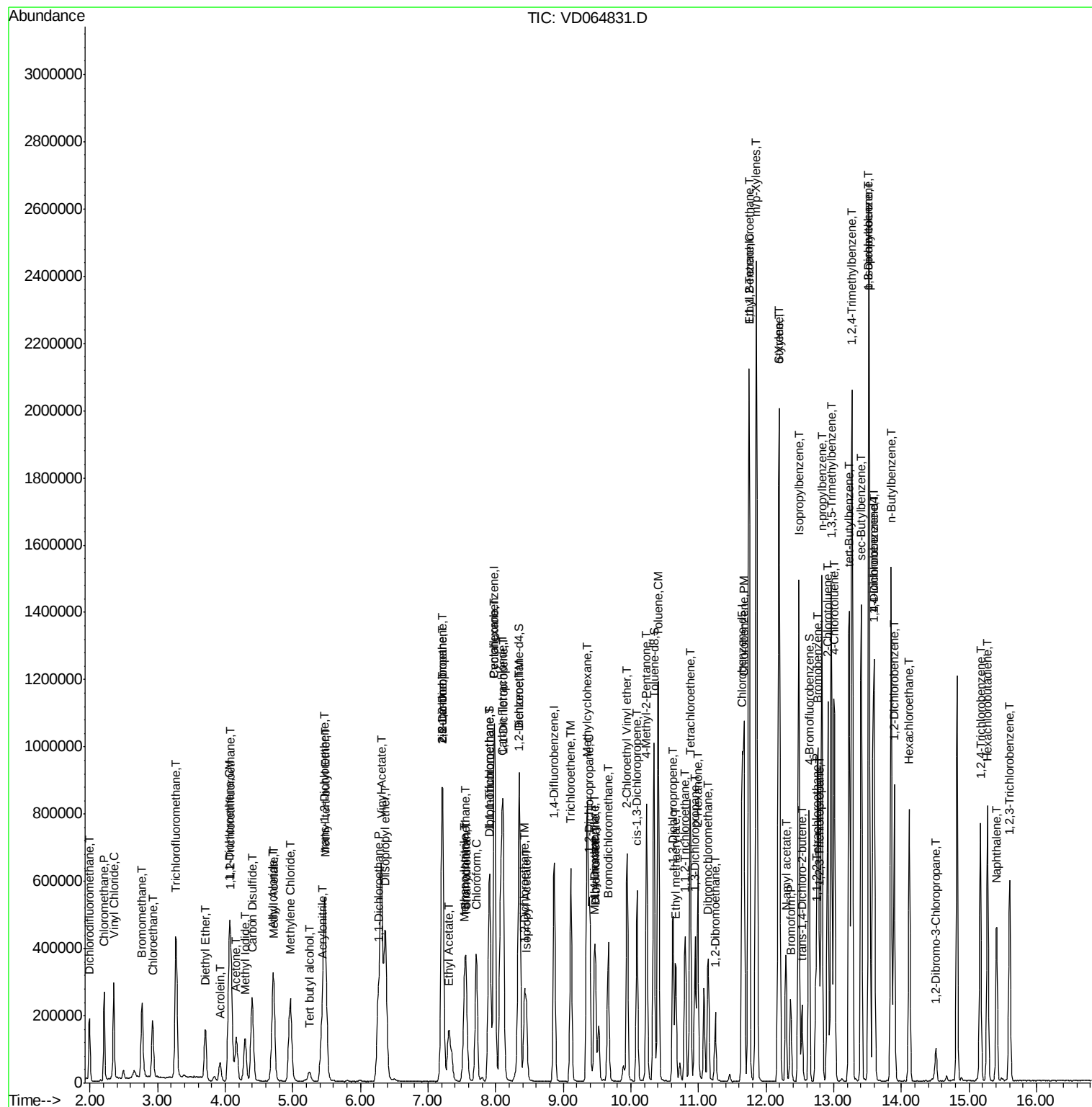
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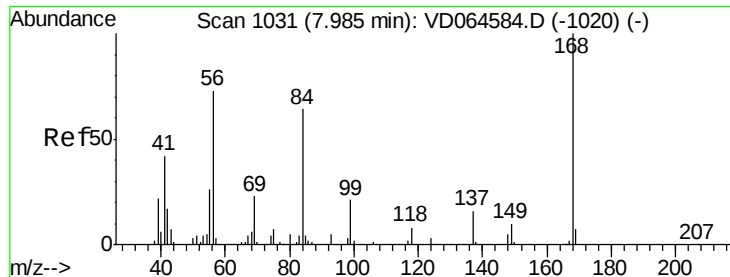
Instrument :
MSVOA_D
ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064831.D

Acq: 10 Jan 2020 13:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 390156

Ion Ratio Lower Upper

168 100

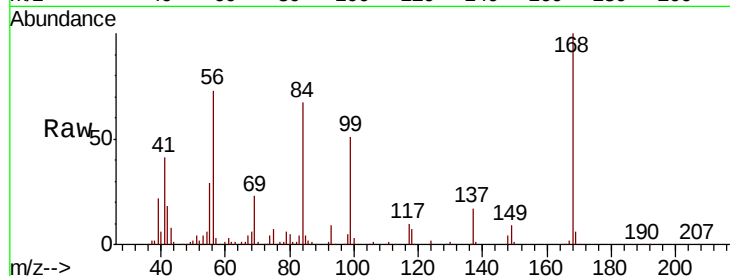
99 50.7 41.8 62.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

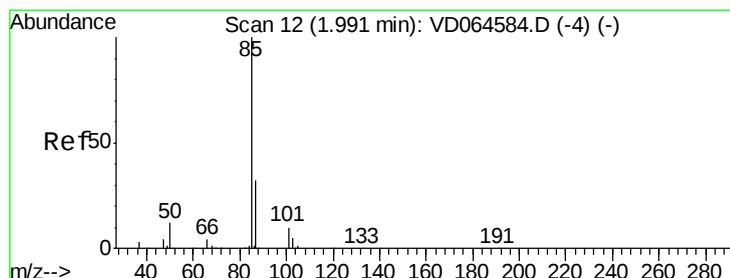
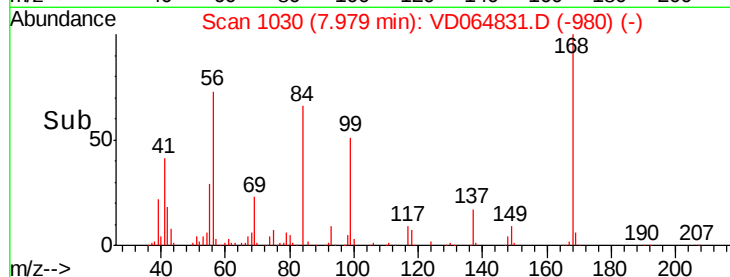
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50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 46.731 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064831.D

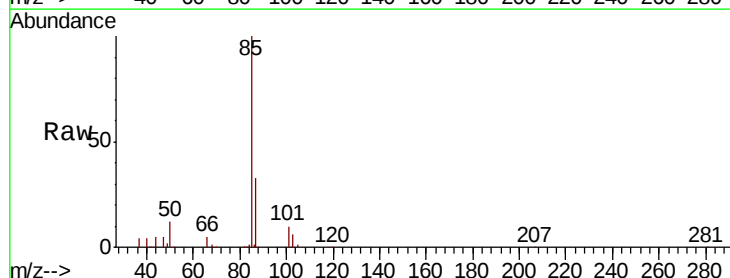
Acq: 10 Jan 2020 13:20

Tgt Ion: 85 Resp: 141694

Ion Ratio Lower Upper

85 100

87 33.1 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

100000

80000

60000

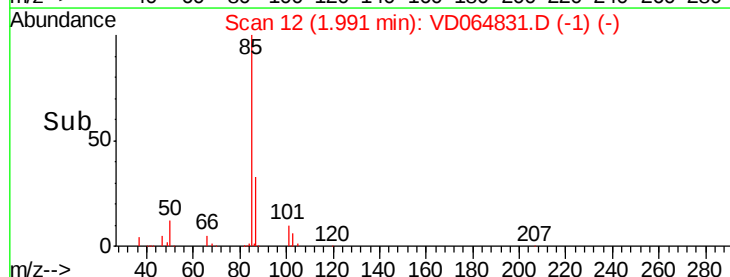
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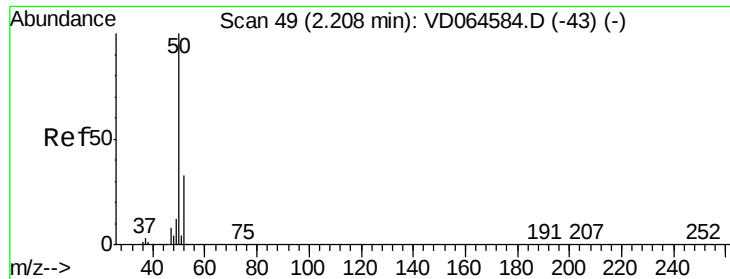
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0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 48.899 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064831.D

Acq: 10 Jan 2020 13:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 207357

Ion Ratio Lower Upper

50 100

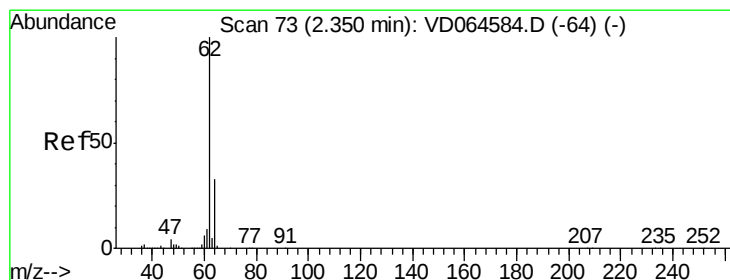
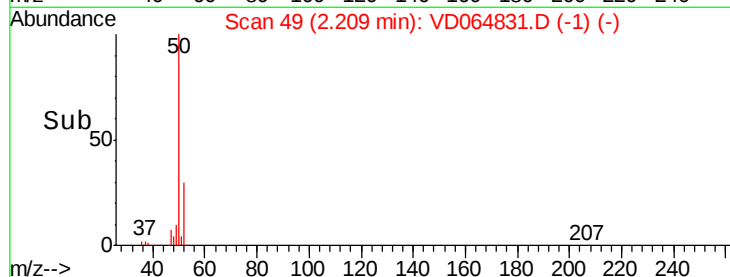
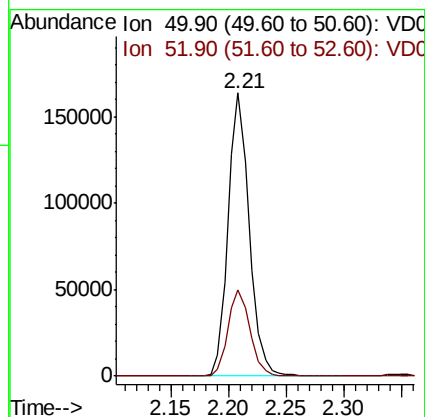
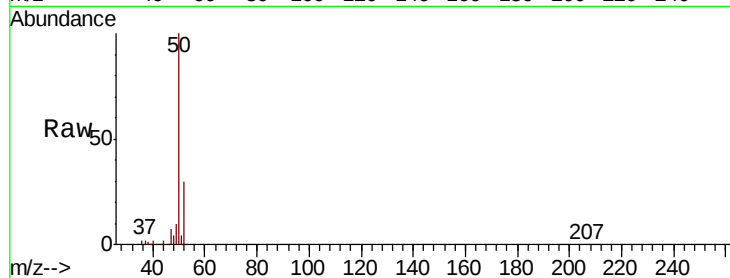
52 30.4 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 49.450 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064831.D

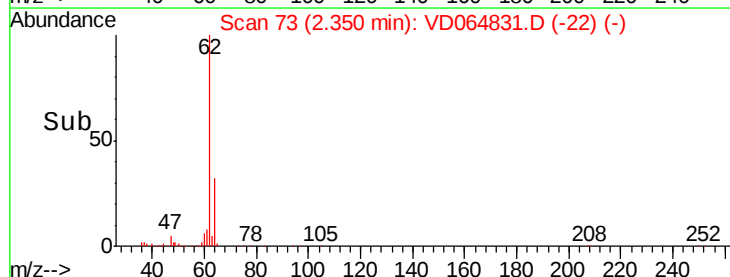
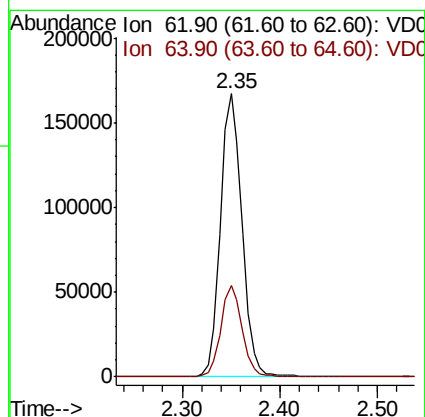
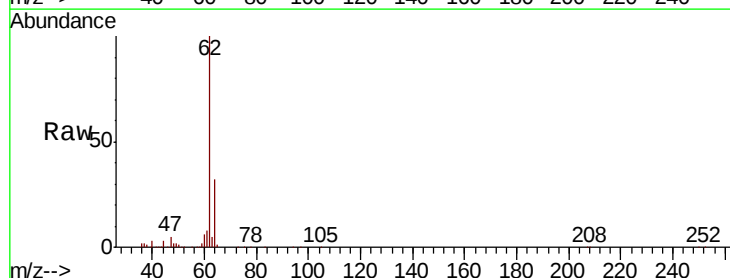
Acq: 10 Jan 2020 13:20

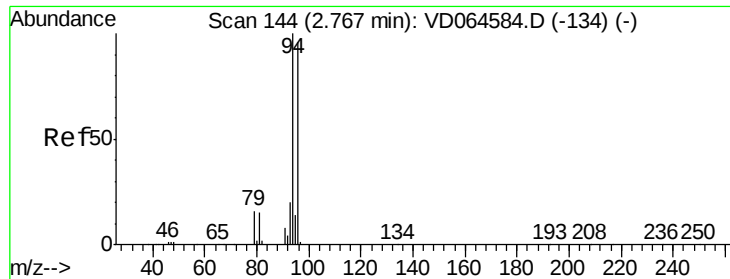
Tgt Ion: 62 Resp: 255676

Ion Ratio Lower Upper

62 100

64 32.5 26.6 40.0





#5

Bromomethane

Concen: 46.065 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.00 min

Lab File: VD064831.D

Acq: 10 Jan 2020 13:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 173176

Ion Ratio Lower Upper

94 100

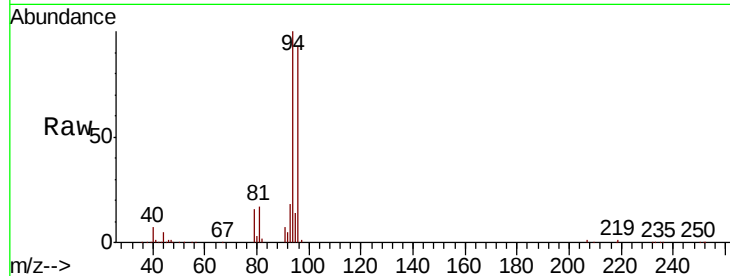
96 93.3 77.2 115.8

Manual Integrations

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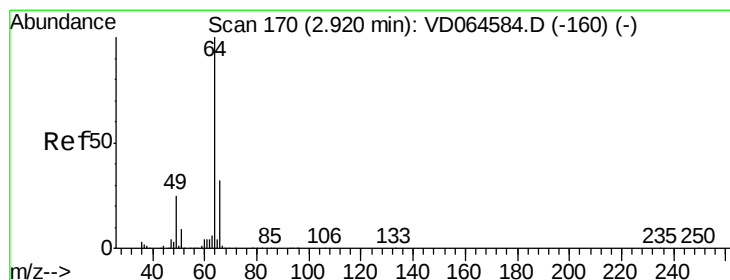
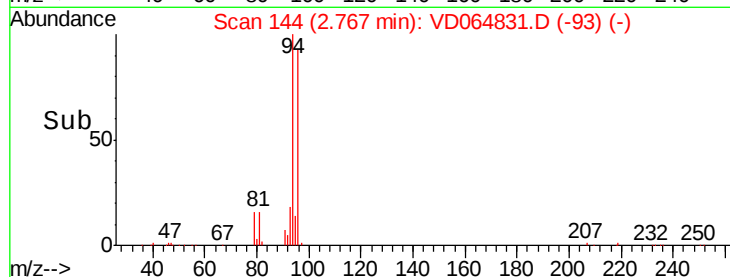
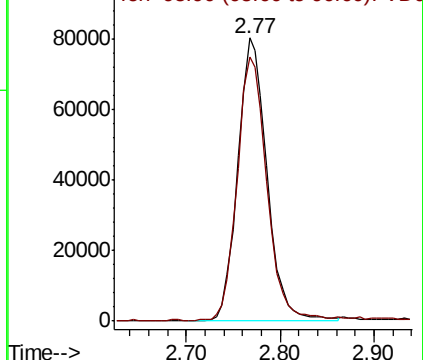
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 49.846 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD064831.D

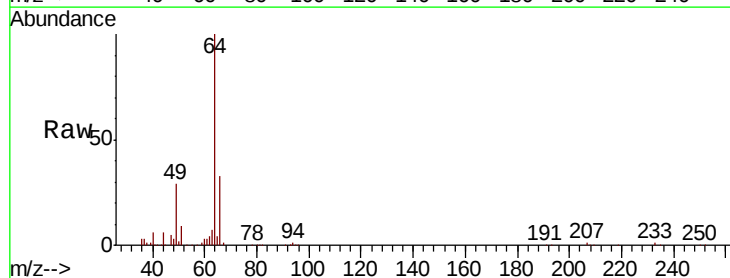
Acq: 10 Jan 2020 13:20

Tgt Ion: 64 Resp: 172690

Ion Ratio Lower Upper

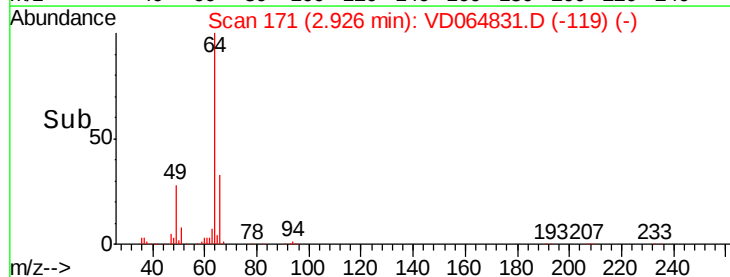
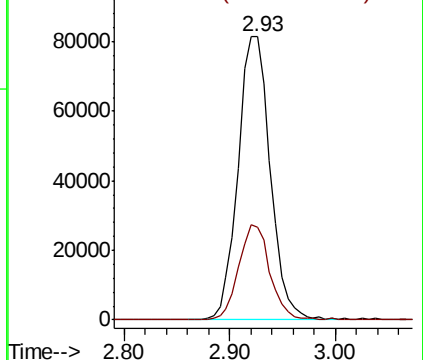
64 100

66 32.8 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

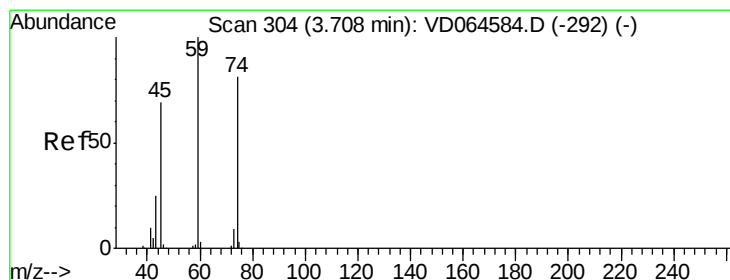
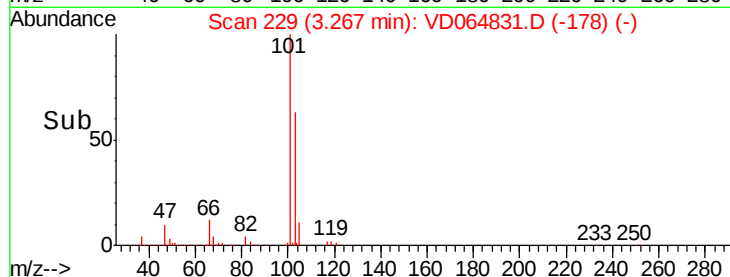
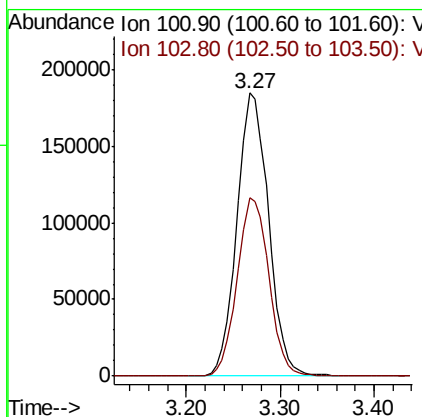
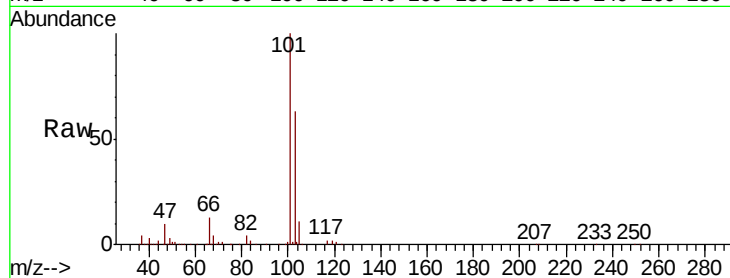
Trichlorofluoromethane
 Concen: 49.605 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. 0.00 min
 Lab File: VD064831.D
 Acq: 10 Jan 2020 13:20

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Tot Ion	Ratio	Lower	Upper
101	100		
103	62.9	52.2	78.4

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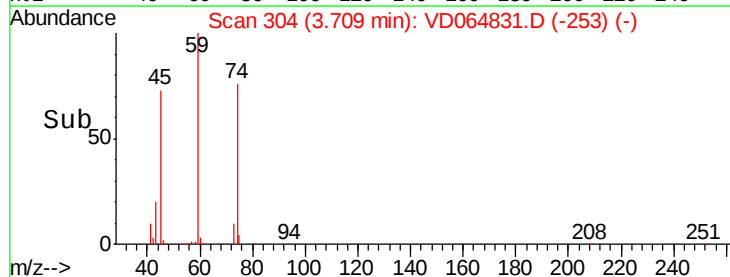
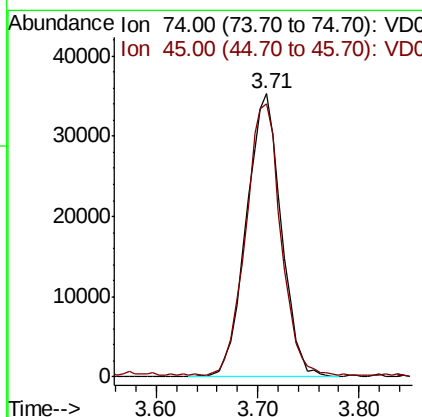
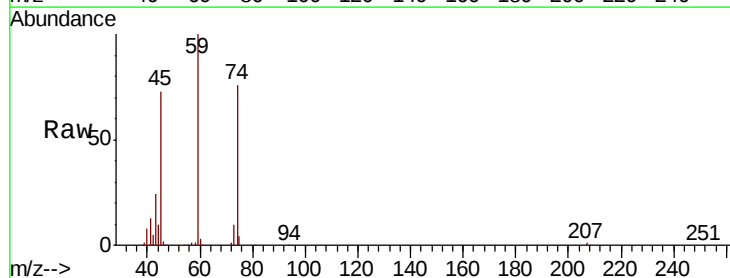
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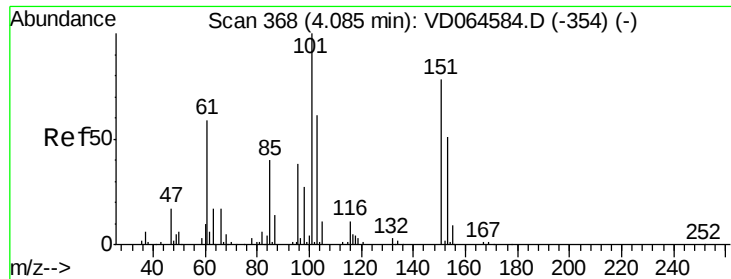


#8

Diethyl Ether
 Concen: 48.555 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD064831.D
 Acq: 10 Jan 2020 13:20

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.9	47.5	142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.291 ug/l

RT: 4.08 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD064831.D

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MSVOA_D

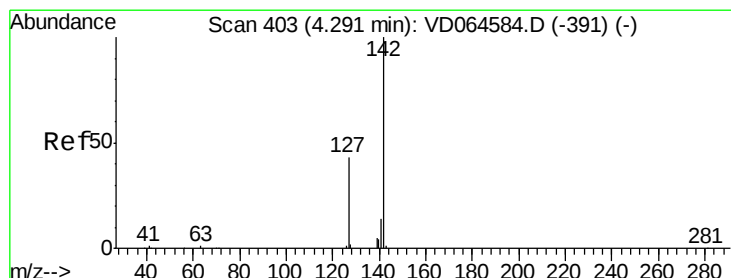
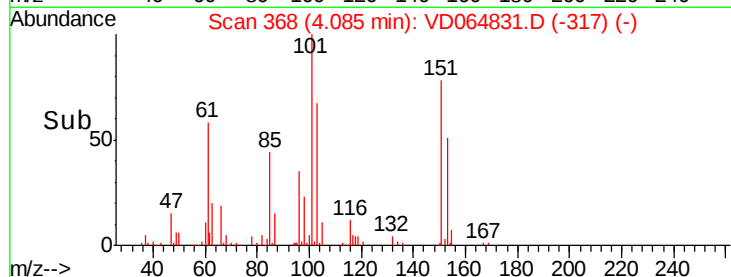
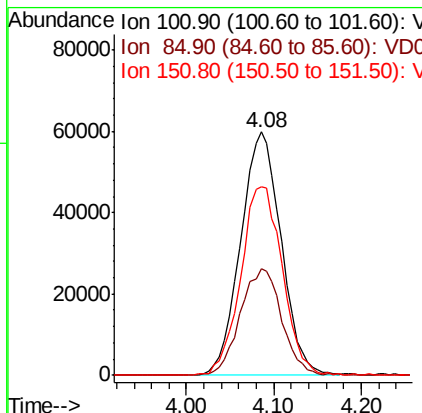
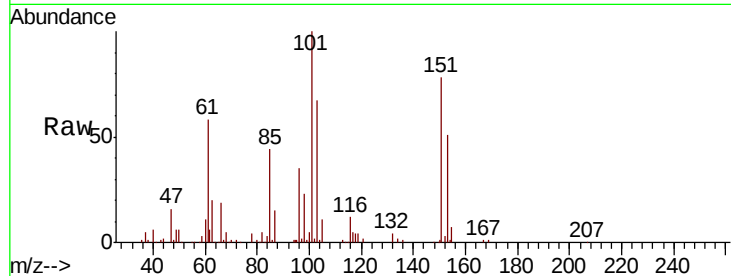
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	188530
Ion Ratio	Lower	Upper	
101	100		
85	44.8	35.2	52.8
151	79.7	66.2	99.4

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#10

Methyl Iodide

Concen: 53.987 ug/l

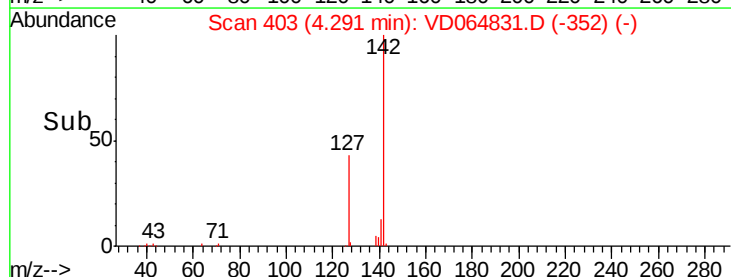
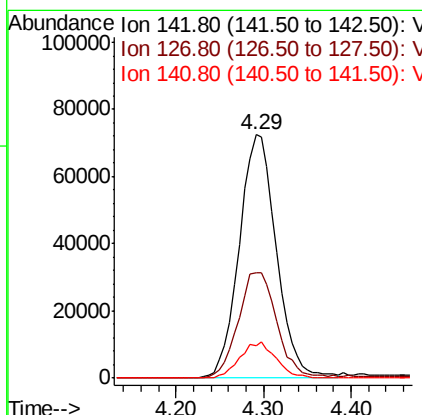
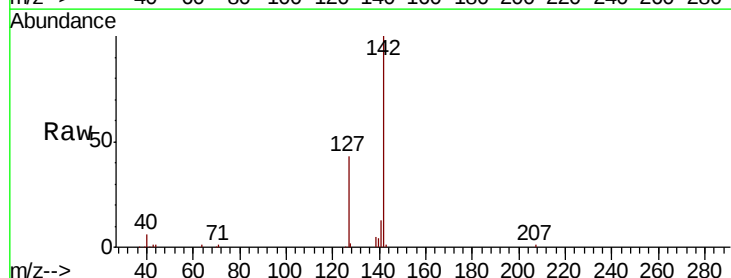
RT: 4.29 min Scan# 403

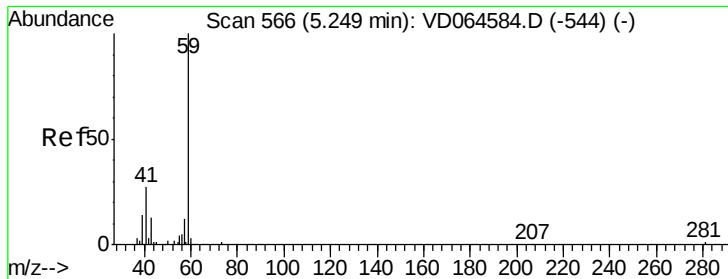
Delta R.T. 0.00 min

Lab File: VD064831.D

Acq: 10 Jan 2020 13:20

Tgt Ion:	142	Resp:	209081
Ion Ratio	Lower	Upper	
142	100		
127	45.2	36.2	54.4
141	14.5	11.8	17.8





#11

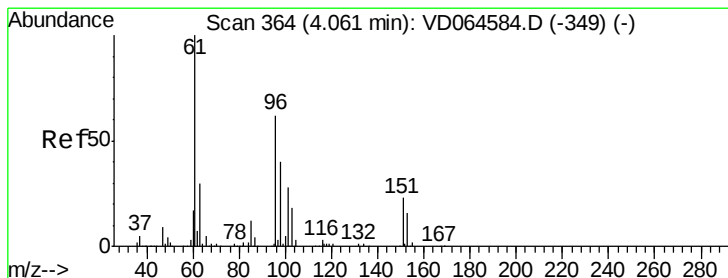
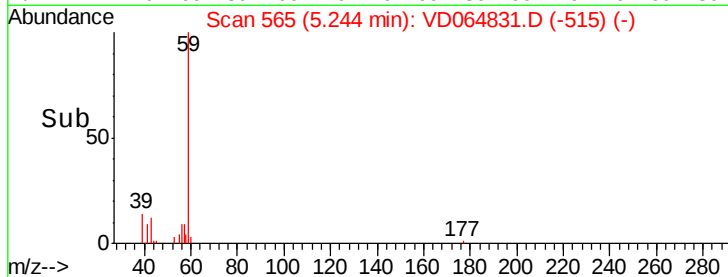
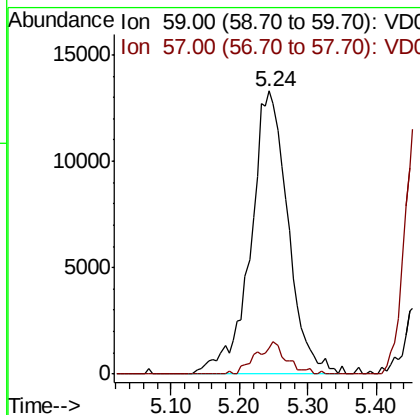
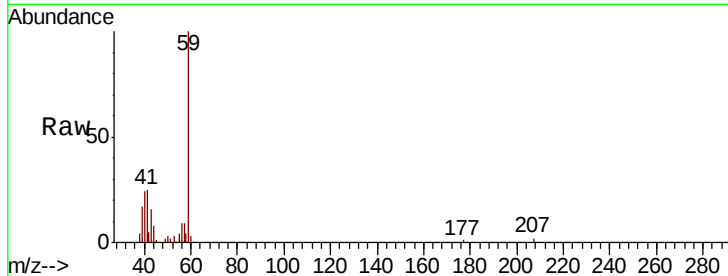
Tert butyl alcohol
 Concen: 255.260 ug/l
 RT: 5.24 min Scan# 565
 Delta R.T. -0.01 min
 Lab File: VD064831.D
 Acq: 10 Jan 2020 13:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	6.0	9.3	13.9#

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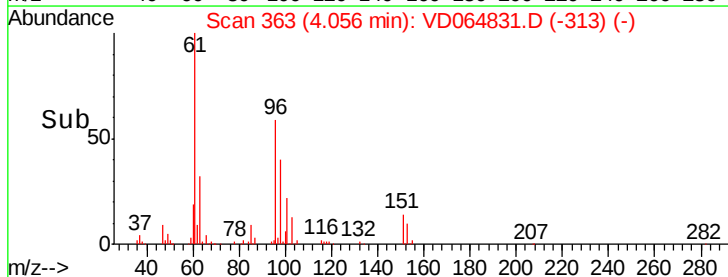
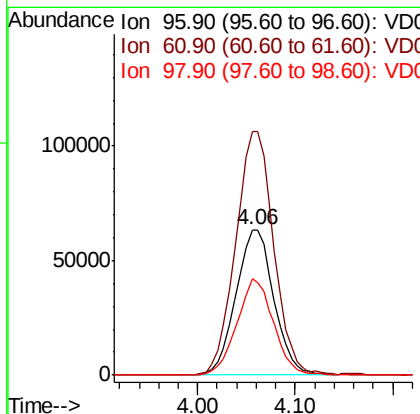
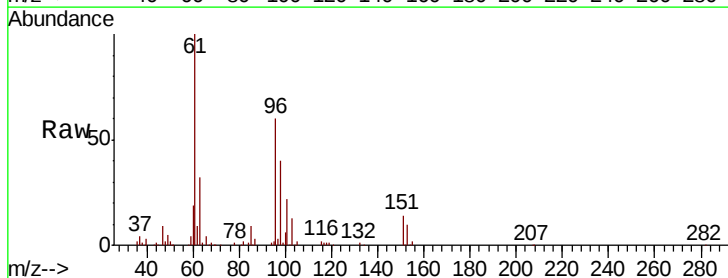
MMDadoda
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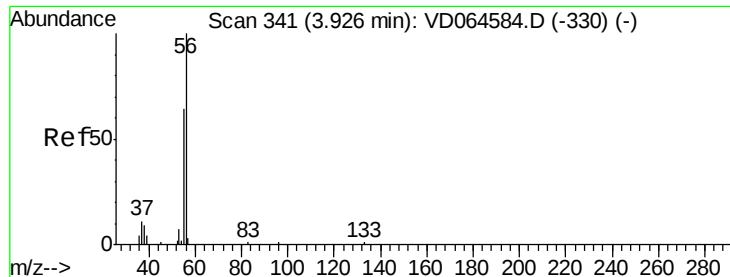


#12

1,1-Dichloroethene
 Concen: 50.287 ug/l
 RT: 4.06 min Scan# 363
 Delta R.T. -0.01 min
 Lab File: VD064831.D
 Acq: 10 Jan 2020 13:20

Tgt Ion	Ratio	Lower	Upper
96	100		
61	166.8	129.4	194.0
98	66.4	51.4	77.0





#13

Acrolein

Concen: 234.570 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064831.D

Acq: 10 Jan 2020 13:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 64456

Ion Ratio Lower Upper

56 100

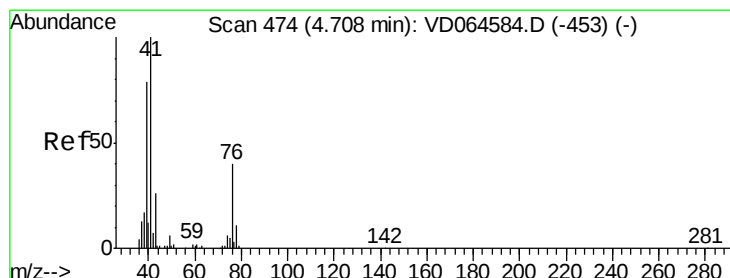
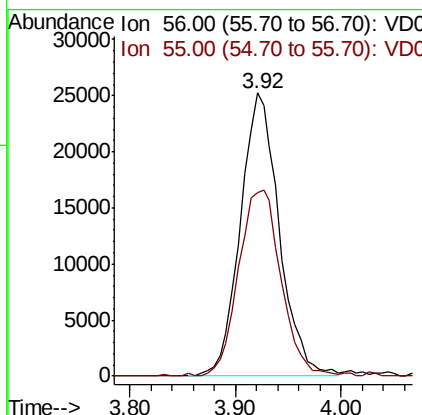
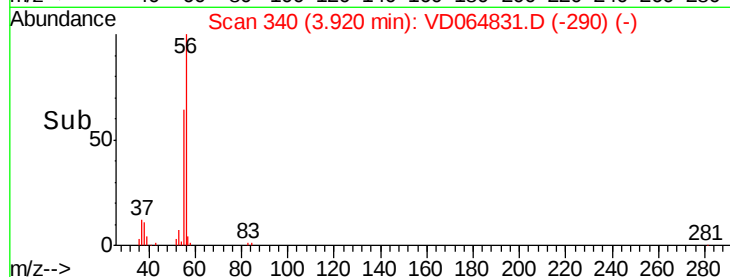
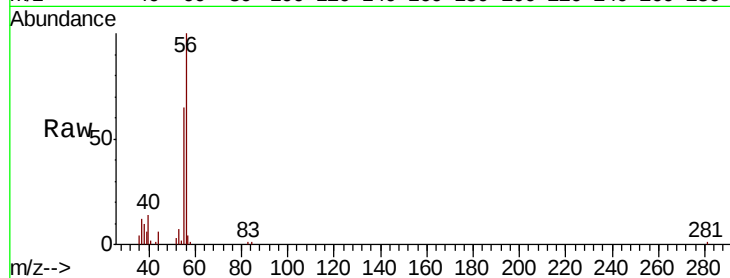
55 71.9 56.7 85.1

Manual Integrations

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#14

Allyl chloride

Concen: 53.162 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD064831.D

Acq: 10 Jan 2020 13:20

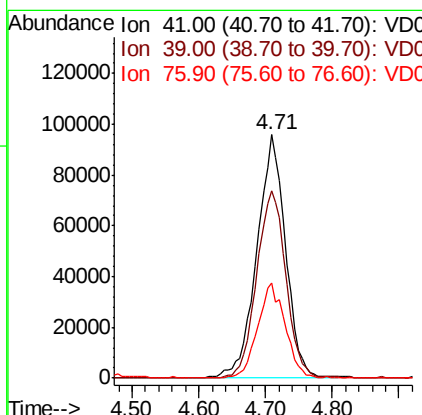
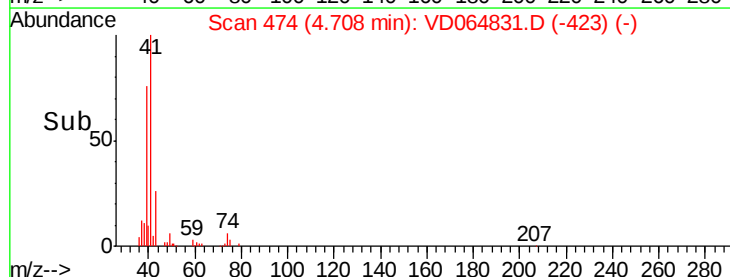
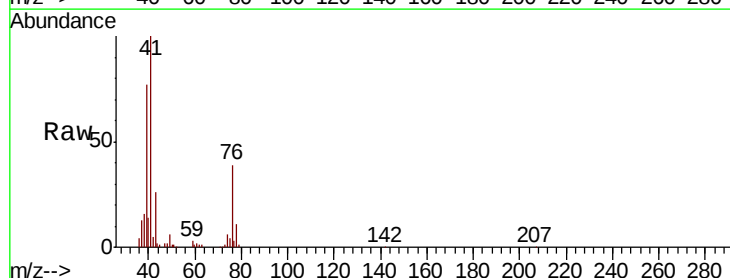
Tgt Ion: 41 Resp: 284513

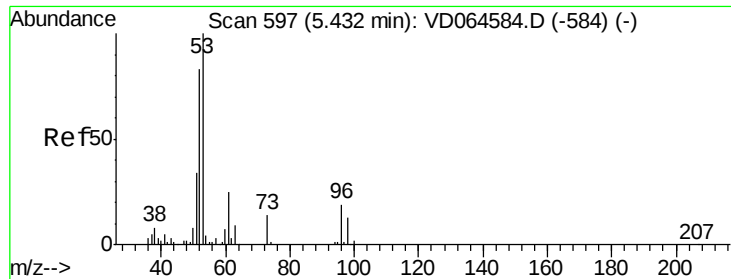
Ion Ratio Lower Upper

41 100

39 78.2 62.3 93.5

76 37.3 29.7 44.5





#15

Acrylonitrile

Concen: 254.634 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD064831.D

Acq: 10 Jan 2020 13:20

Instrument :

MSVOA_D

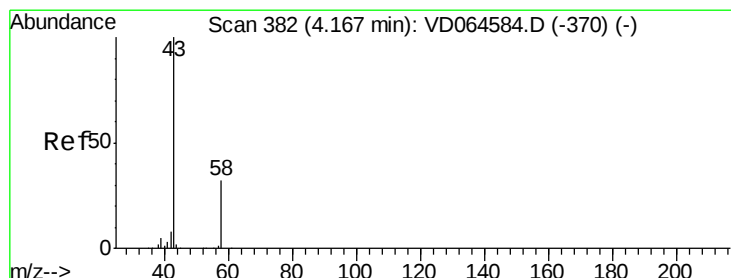
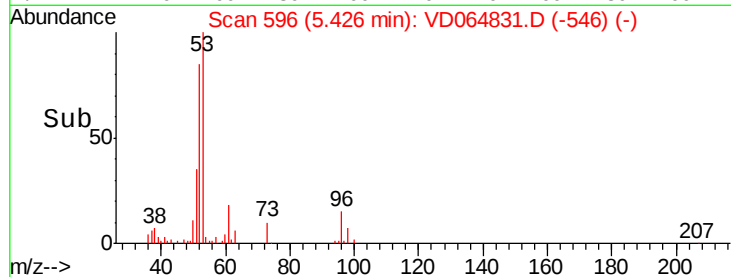
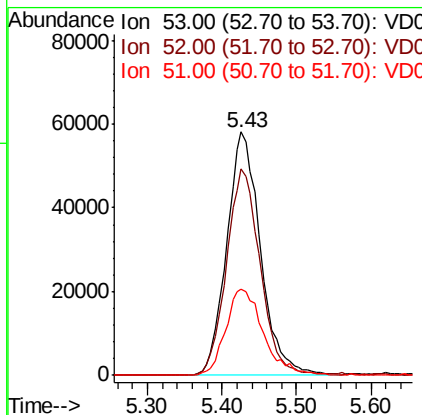
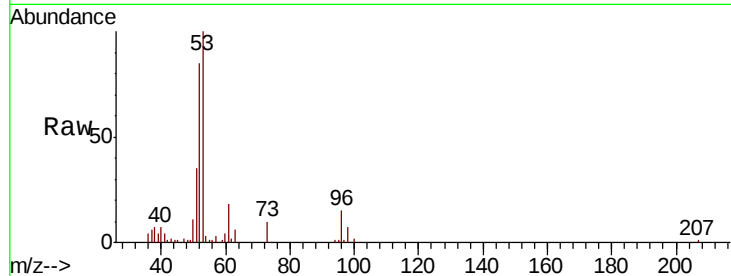
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	183360
Ion Ratio		Lower	Upper
53	100		
52	84.1	66.2	99.2
51	39.2	30.1	45.1

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#16

Acetone

Concen: 323.480 ug/l

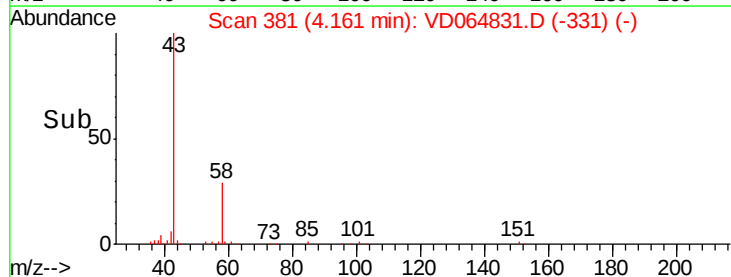
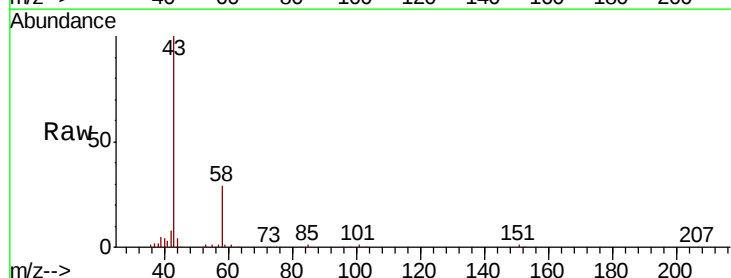
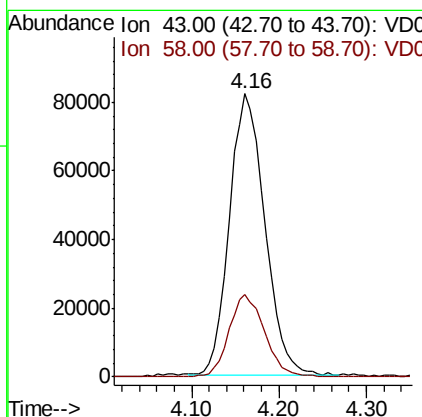
RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD064831.D

Acq: 10 Jan 2020 13:20

Tgt Ion:	43	Resp:	226726
Ion Ratio		Lower	Upper
43	100		
58	29.0	25.8	38.6





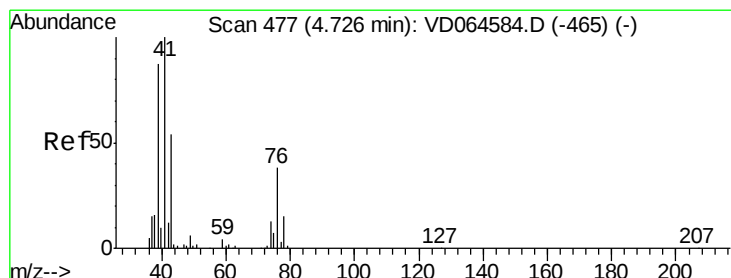
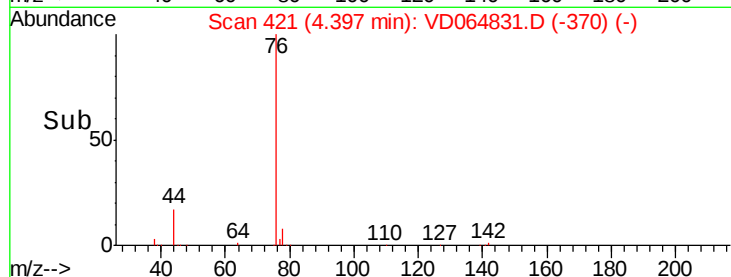
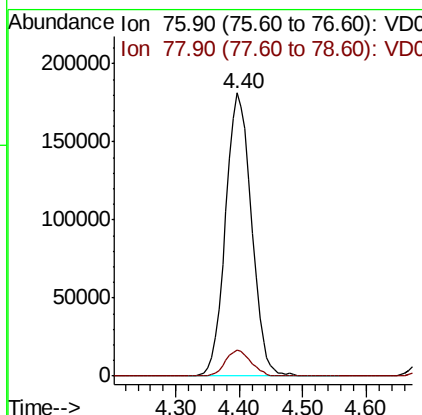
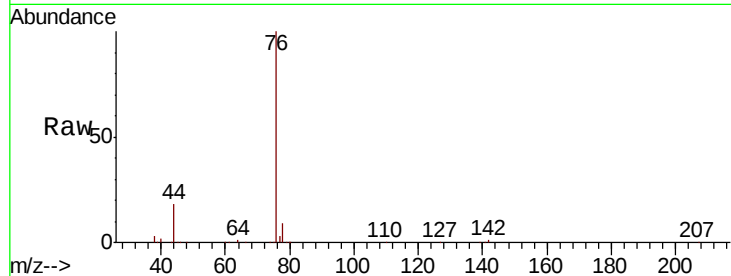
#17
Carbon Disulfide
Concen: 46.322 ug/l
RT: 4.40 min Scan# 421
Delta R.T. 0.00 min
Lab File: VD064831.D
Acq: 10 Jan 2020 13:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.3	10.9

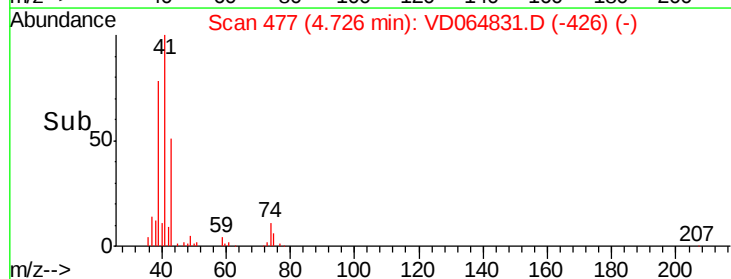
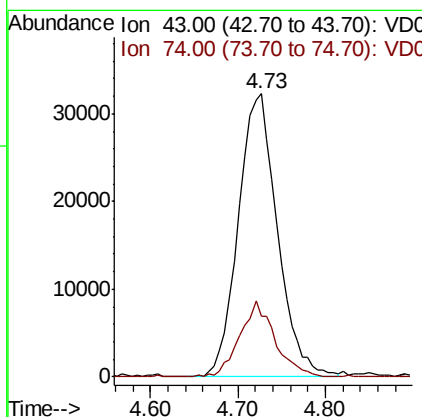
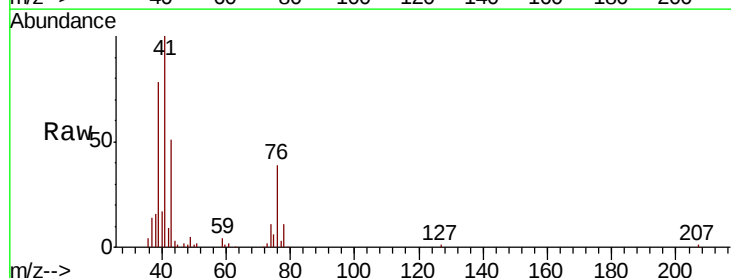
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#18
Methyl Acetate
Concen: 50.673 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.00 min
Lab File: VD064831.D
Acq: 10 Jan 2020 13:20

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.1	19.2	28.8





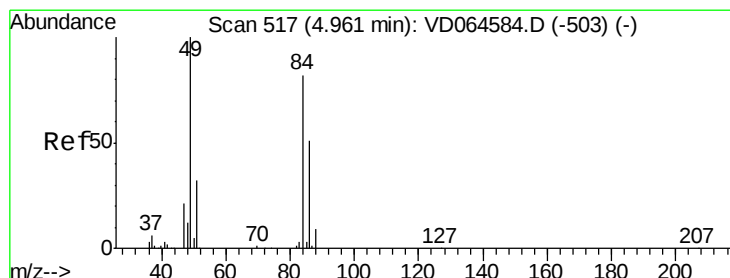
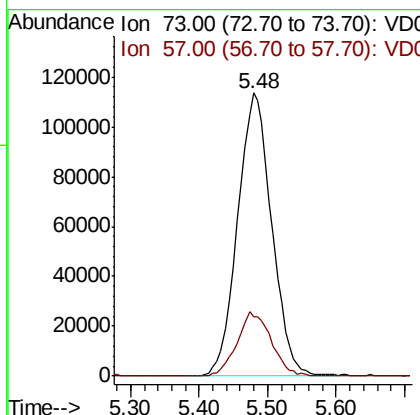
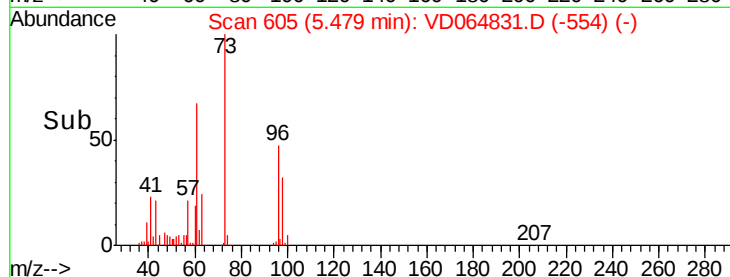
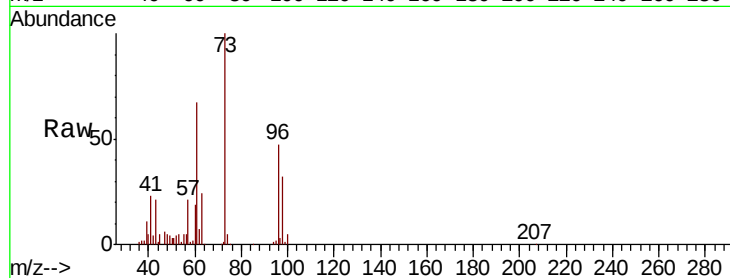
#19
Methvl tert-butvl Ether
Concen: 51.414 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.00 min
Lab File: VD064831.D
Acq: 10 Jan 2020 13:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.2	18.6	27.8

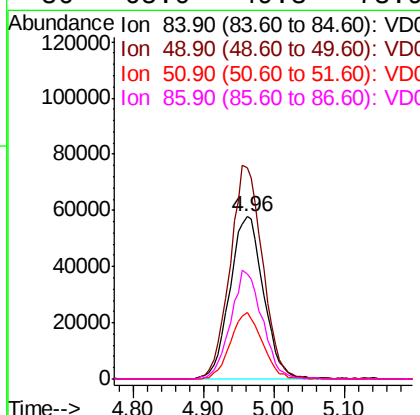
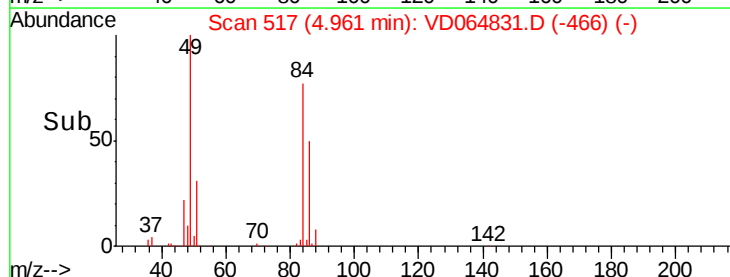
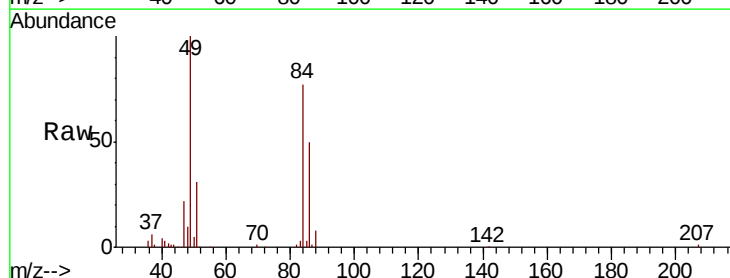
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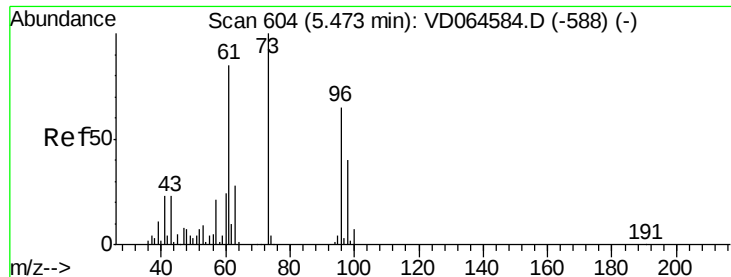
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#20
Methylene Chloride
Concen: 54.987 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064831.D
Acq: 10 Jan 2020 13:20

Tgt Ion	Ratio	Lower	Upper
84	100		
49	130.4	97.2	145.8
51	40.8	31.4	47.0
86	65.0	49.3	73.9





#21

trans-1,2-Dichloroethene

Concen: 51.702 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064831.D

Acq: 10 Jan 2020 13:20

Instrument :

MSVOA_D

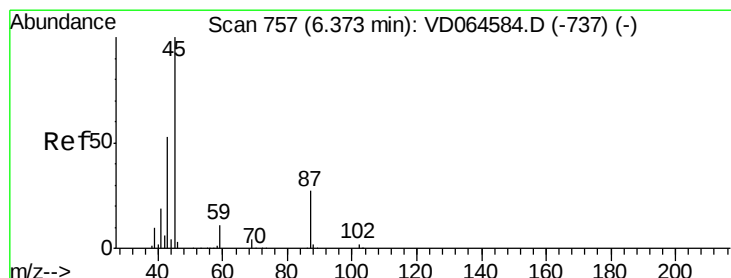
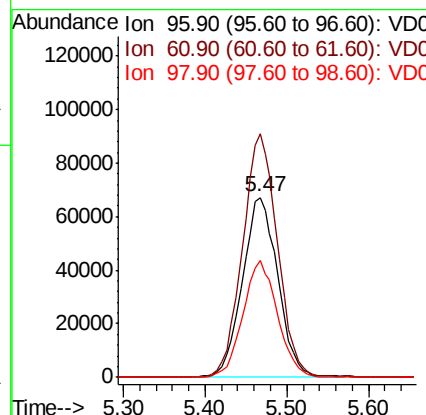
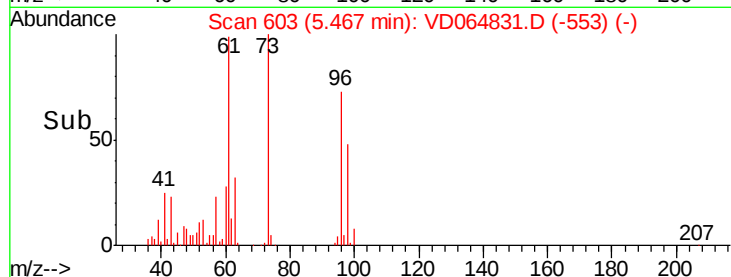
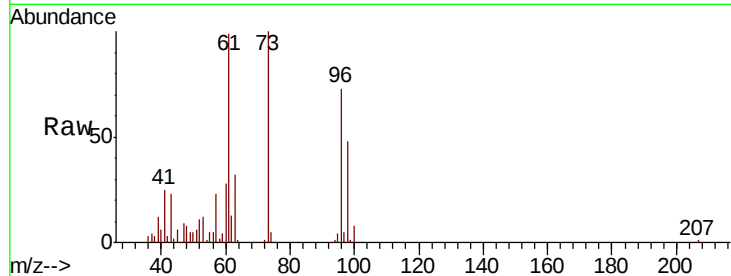
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	202111
Ion	Ratio	Lower	Upper
96	100		
61	135.3	104.7	157.1
98	65.2	49.4	74.2

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#22

Diisopropyl ether

Concen: 54.501 ug/l

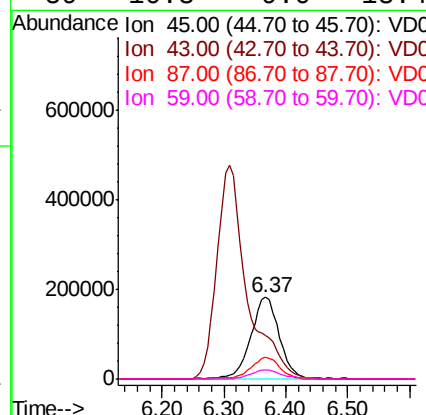
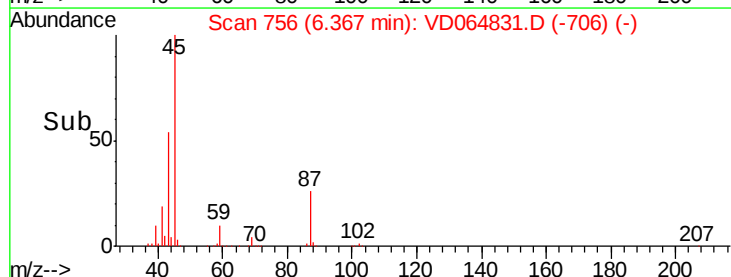
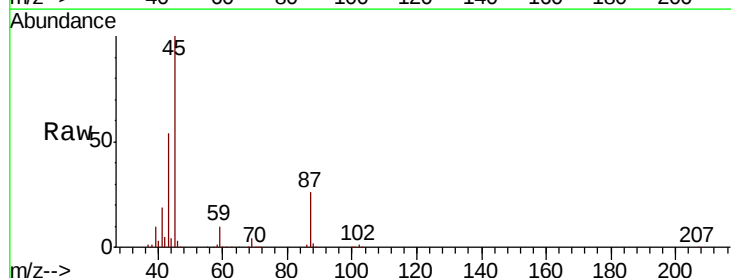
RT: 6.37 min Scan# 756

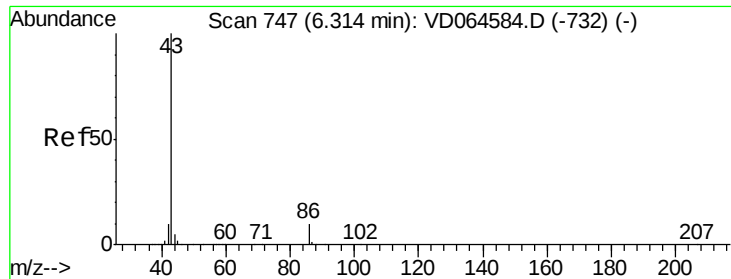
Delta R.T. -0.01 min

Lab File: VD064831.D

Acq: 10 Jan 2020 13:20

Tgt Ion:	45	Resp:	581777
Ion	Ratio	Lower	Upper
45	100		
43	53.0	43.2	64.8
87	26.0	21.9	32.9
59	10.3	9.0	13.4





#23

Vinyl Acetate

Concen: 267.351 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064831.D

Acq: 10 Jan 2020 13:20

Instrument :

MSVOA_D

ClientSampleID :

VSTDCCC050

Tot Ion: 43 Resp: 1618879

Ion Ratio Lower Upper

43 100

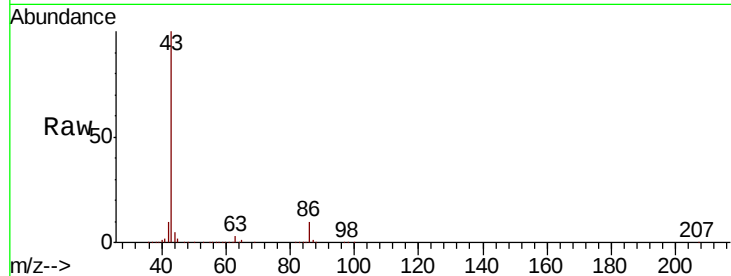
86 10.3 8.3 12.5

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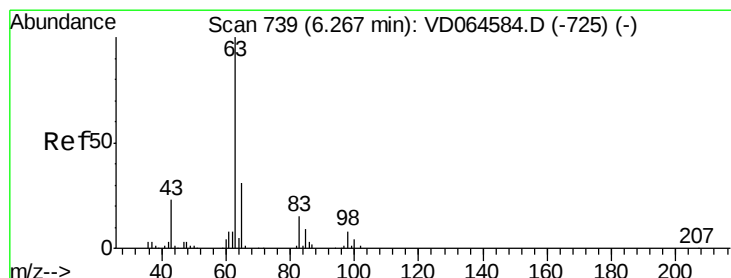
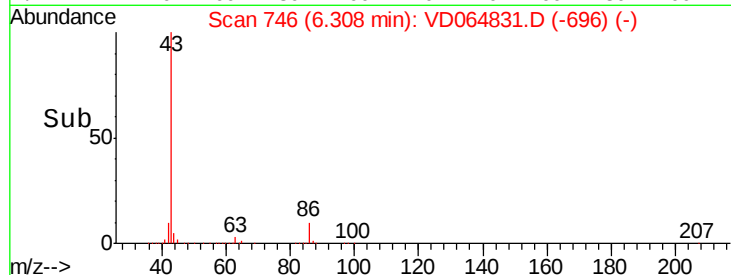
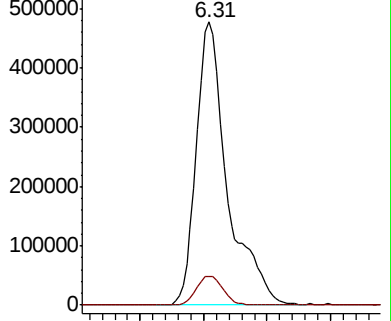
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 54.795 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD064831.D

Acq: 10 Jan 2020 13:20

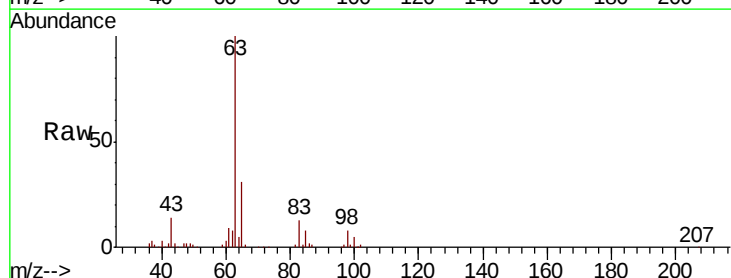
Tgt Ion: 63 Resp: 351144

Ion Ratio Lower Upper

63 100

98 7.9 4.1 12.3

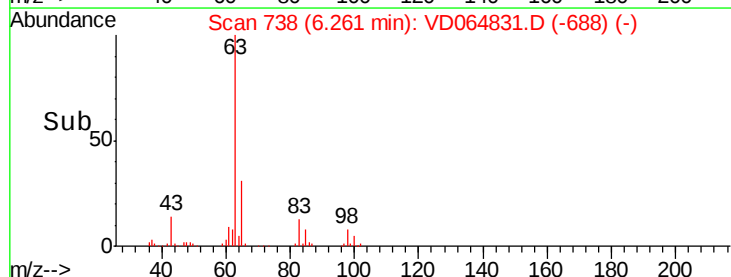
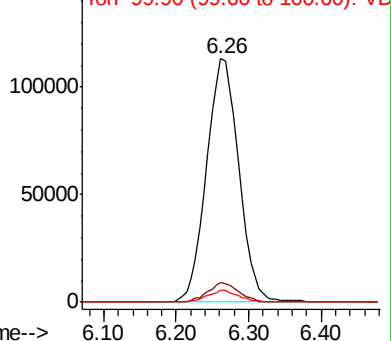
100 4.7 2.2 6.6

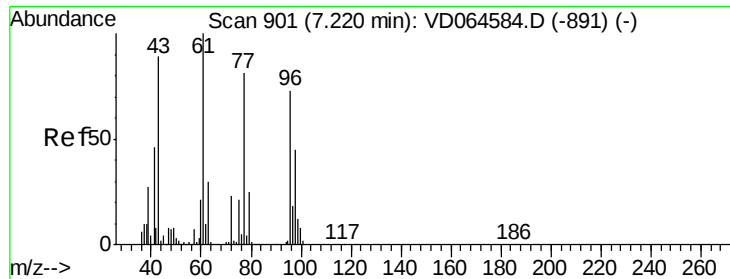


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 277.841 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064831.D

Acq: 10 Jan 2020 13:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 262746

Ion Ratio Lower Upper

43 100

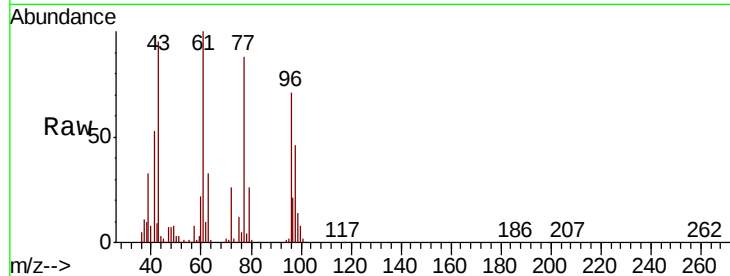
72 27.3 20.7 31.1

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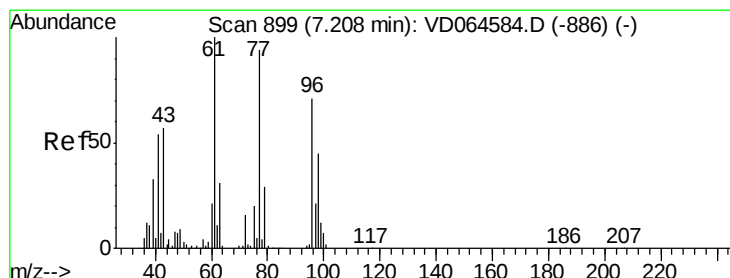
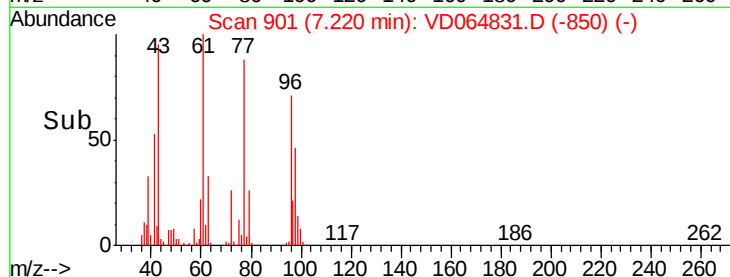
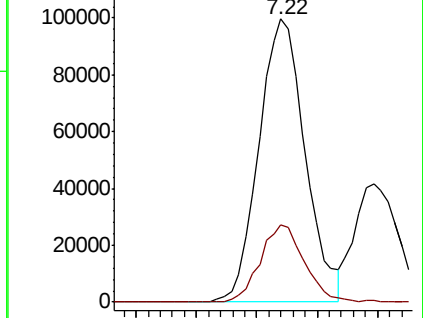
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 55.256 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD064831.D

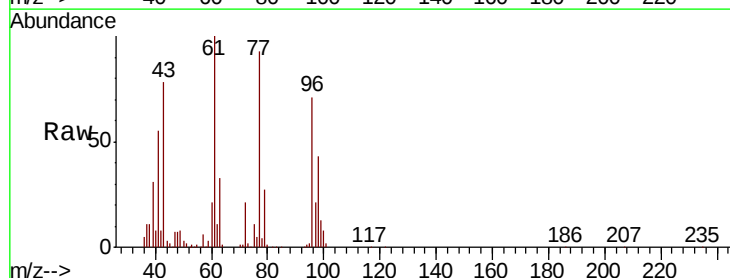
Acq: 10 Jan 2020 13:20

Tgt Ion: 77 Resp: 329219

Ion Ratio Lower Upper

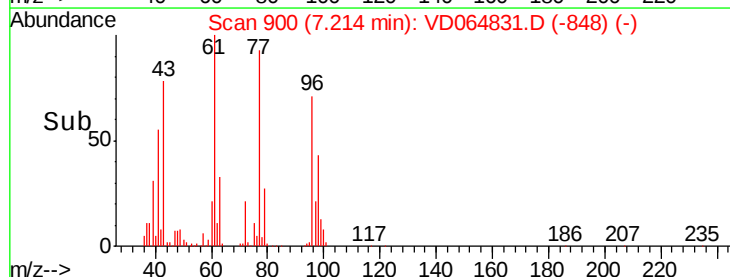
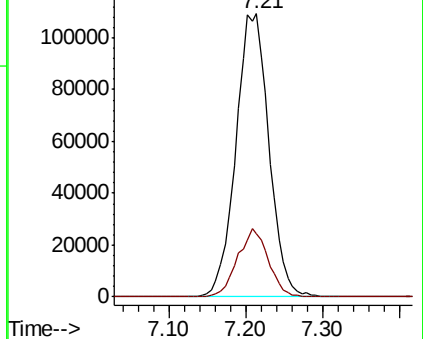
77 100

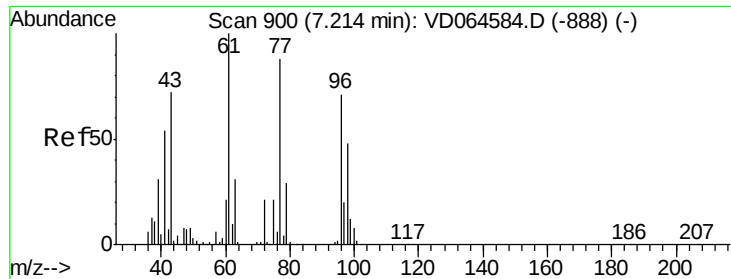
97 22.3 11.2 33.6



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC





#27

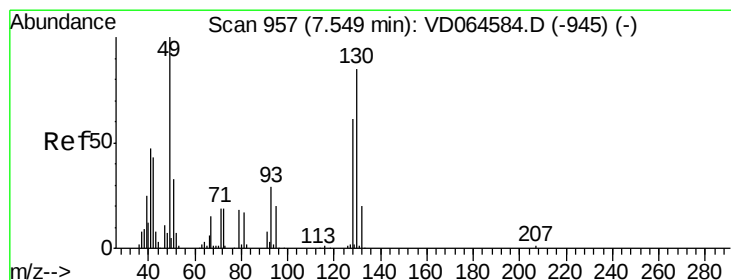
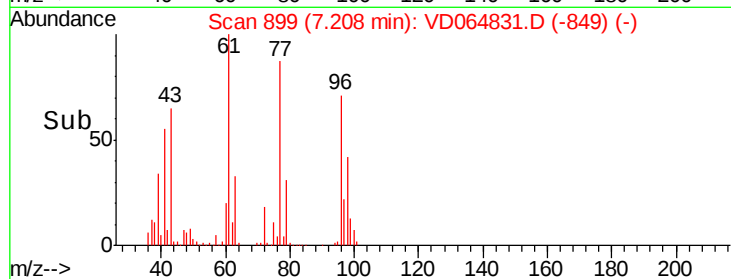
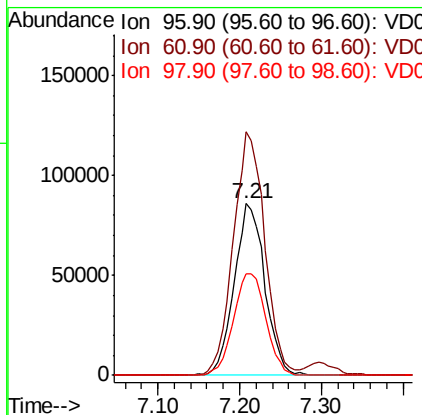
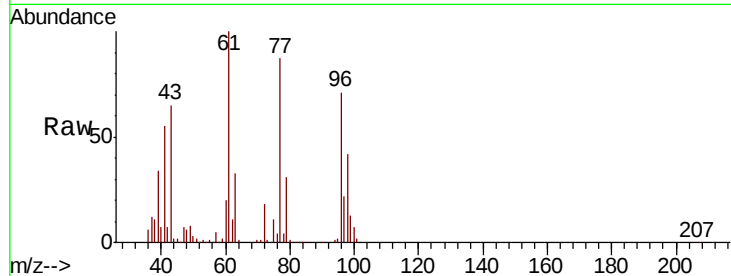
cis-1,2-Dichloroethene
 Concen: 53.037 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VD064831.D
 Acq: 10 Jan 2020 13:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	223754		
61	145.2		0.0	282.6
98	63.2		0.0	130.8

Manual Integrations
 APPROVED

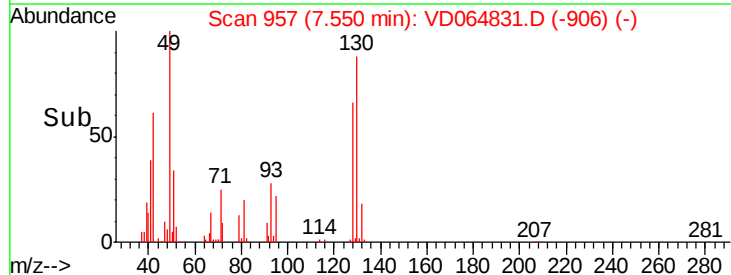
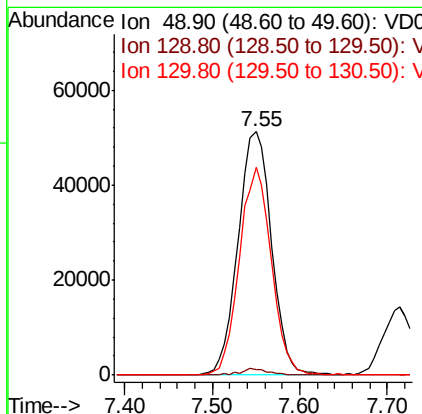
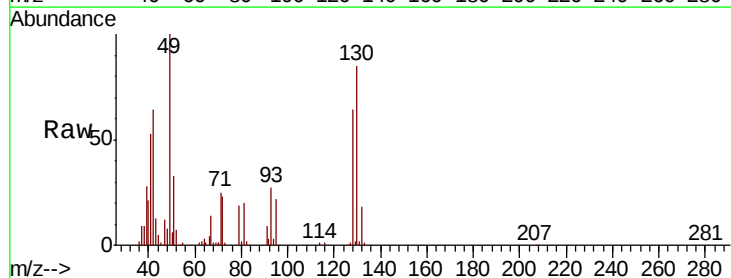
MMDadoda
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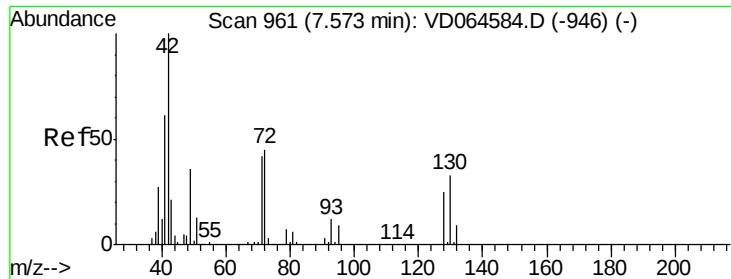


#28

Bromochloromethane
 Concen: 53.317 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD064831.D
 Acq: 10 Jan 2020 13:20

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	132816		
129	2.3		0.0	4.8
130	81.2		65.0	97.6





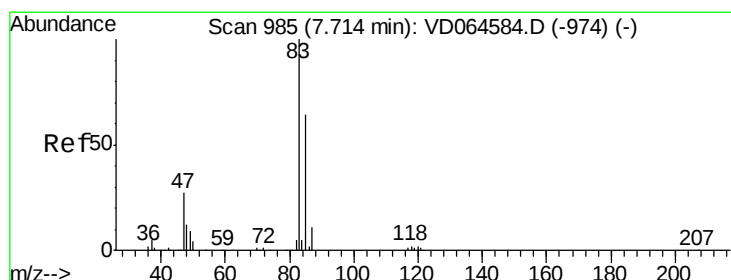
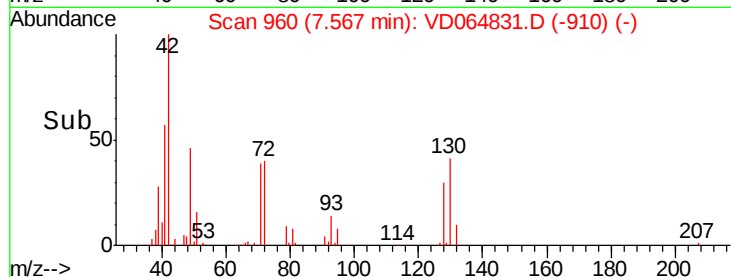
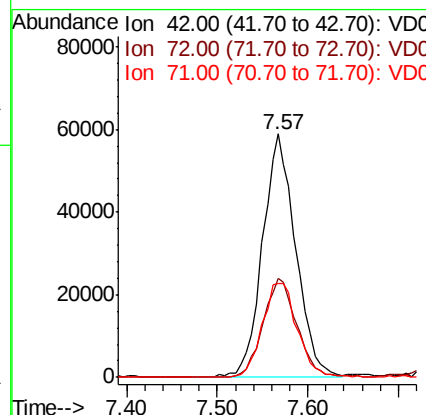
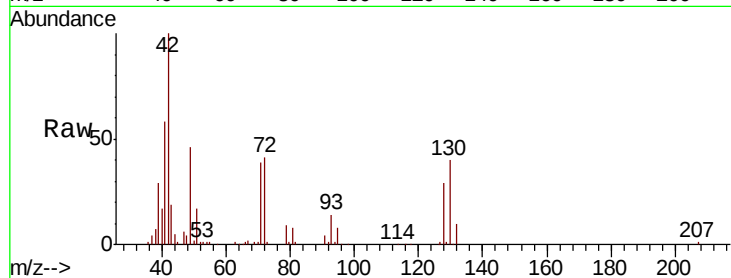
#29
Tetrahydrofuran
Concen: 254.756 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD064831.D
Acq: 10 Jan 2020 13:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.1	35.0	52.4
71	41.0	32.9	49.3

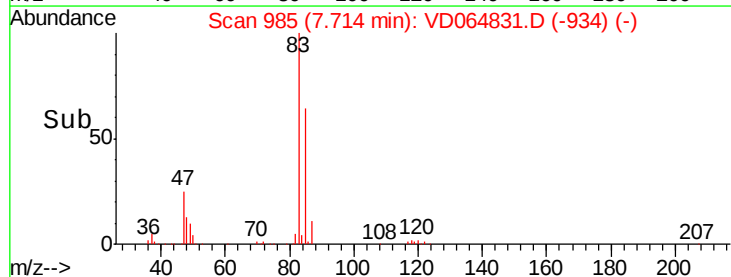
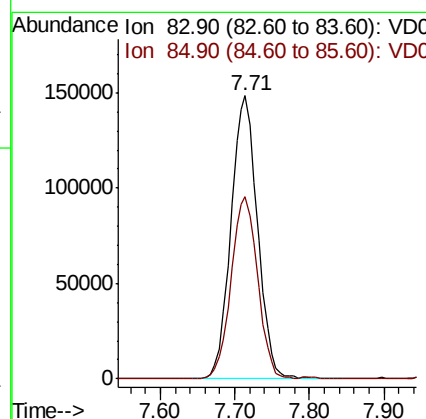
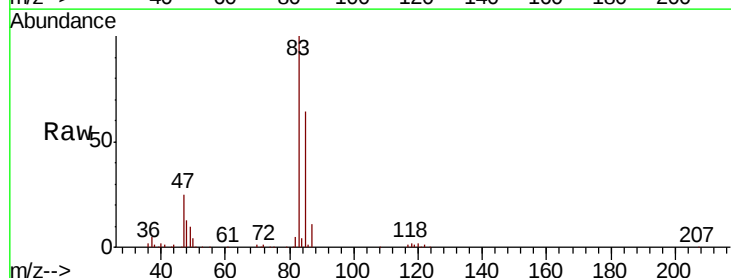
Manual Integrations
APPROVED

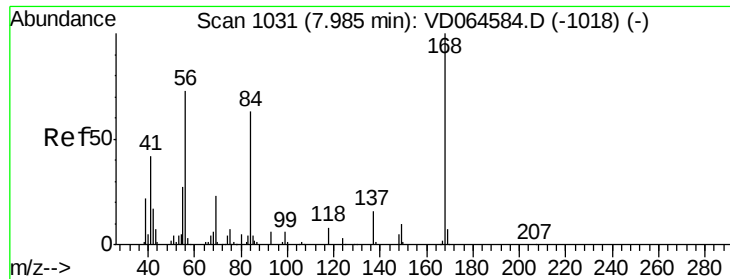
MMDadoda
1/13/2020 12:38:13 PM



#30
Chloroform
Concen: 54.579 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064831.D
Acq: 10 Jan 2020 13:20

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.1	76.7





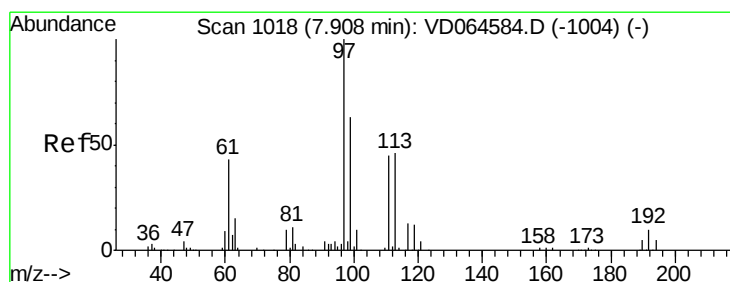
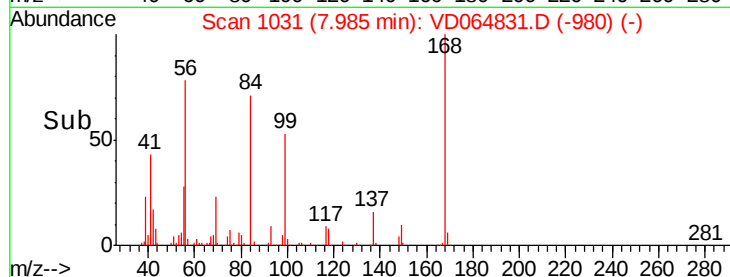
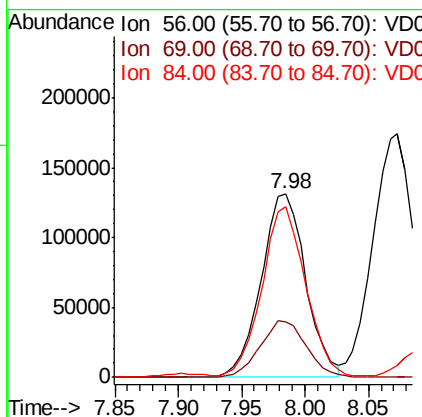
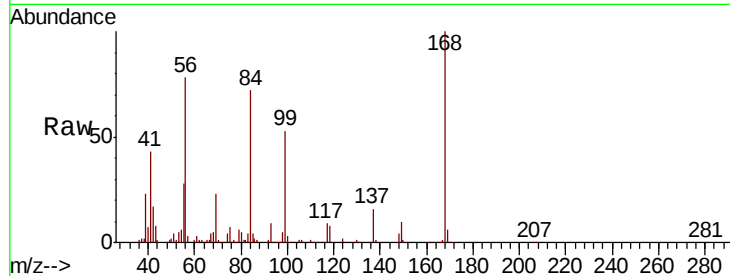
#31
Cyclohexane
Concen: 50.159 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064831.D
Acq: 10 Jan 2020 13:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.3	24.7	37.1
84	90.7	69.4	104.2

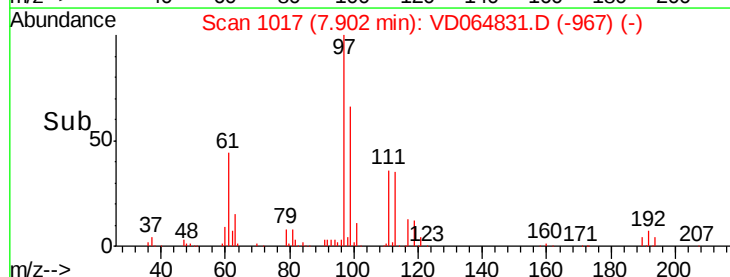
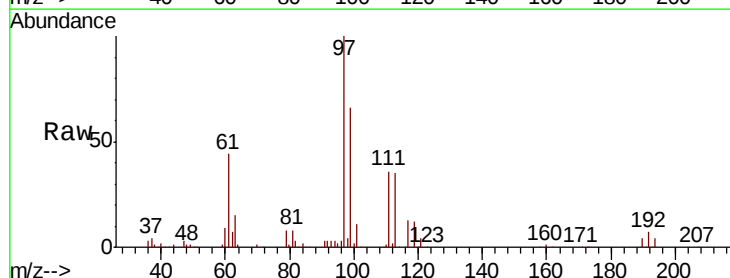
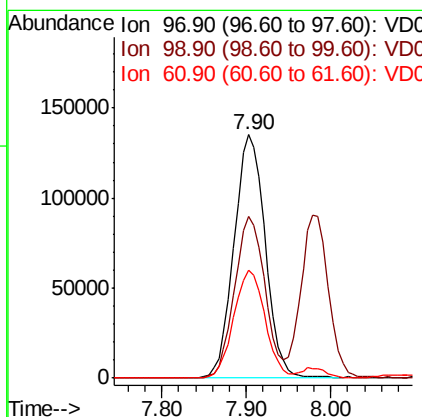
Manual Integrations
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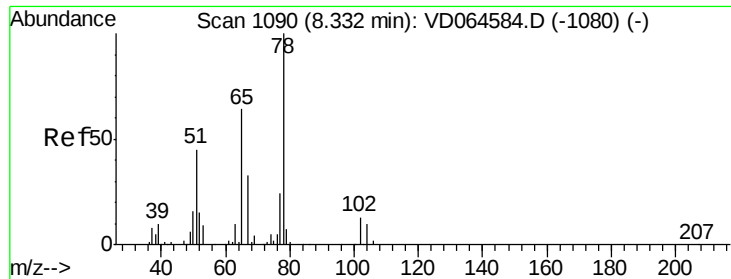
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#32
1,1,1-Trichloroethane
Concen: 54.556 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064831.D
Acq: 10 Jan 2020 13:20

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.0	76.6
61	44.6	35.4	53.0





#33

1,2-Dichloroethane-d4

Concen: 52.239 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD064831.D

Acq: 10 Jan 2020 13:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 179719

Ion Ratio Lower Upper

65 100

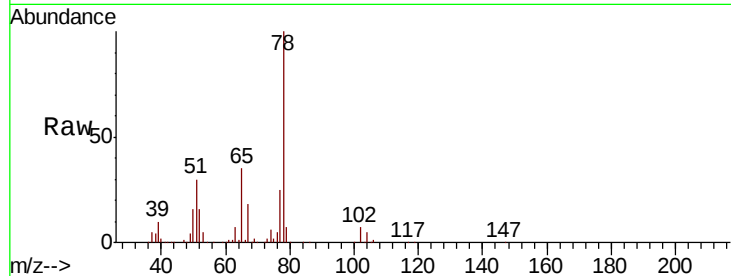
67 51.0 0.0 106.2

Manual Integrations

APPROVED

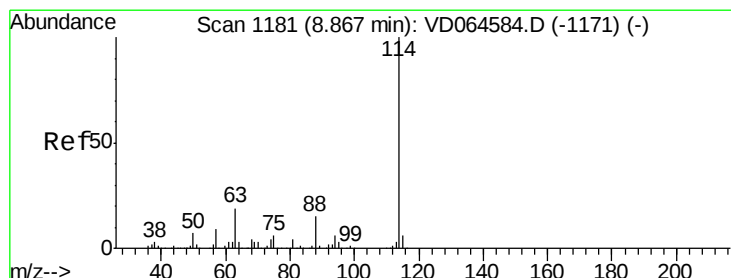
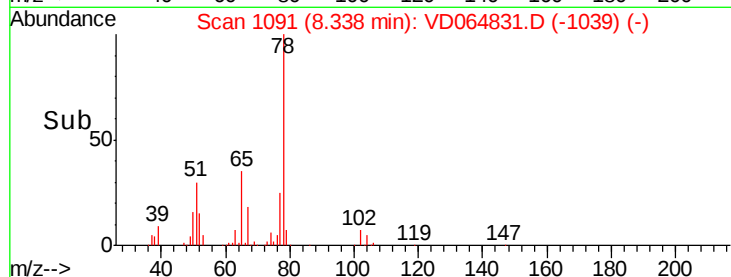
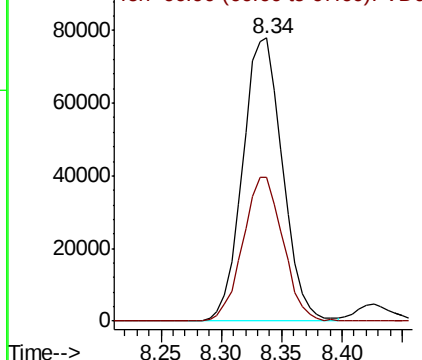
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Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD064831.D

Acq: 10 Jan 2020 13:20

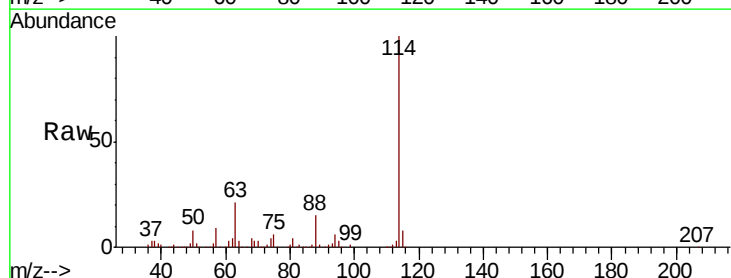
Tgt Ion: 114 Resp: 556521

Ion Ratio Lower Upper

114 100

63 21.0 0.0 38.0

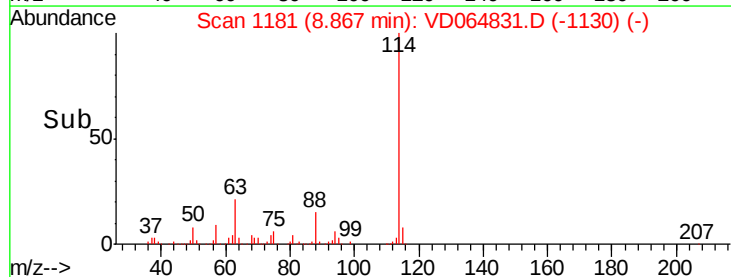
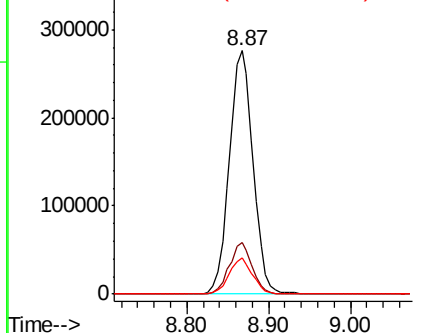
88 15.0 0.0 29.2

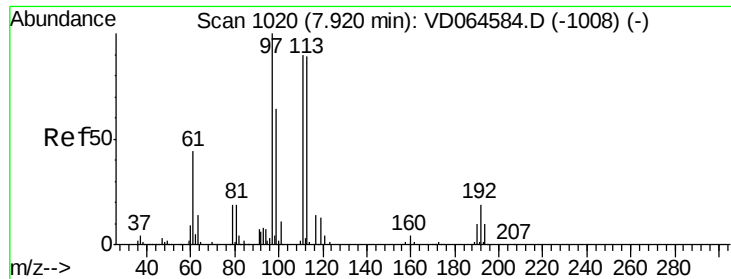


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





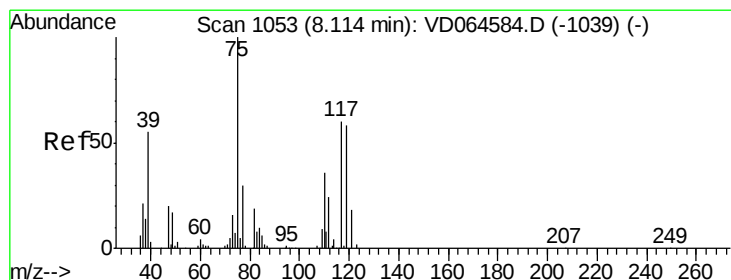
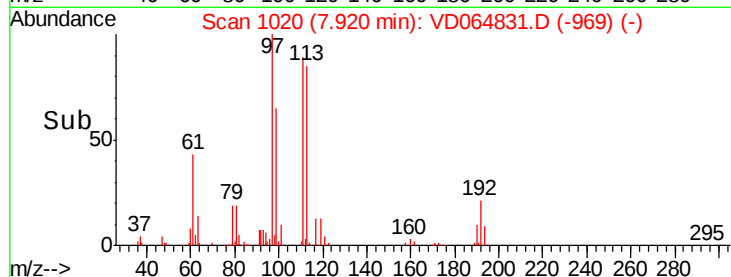
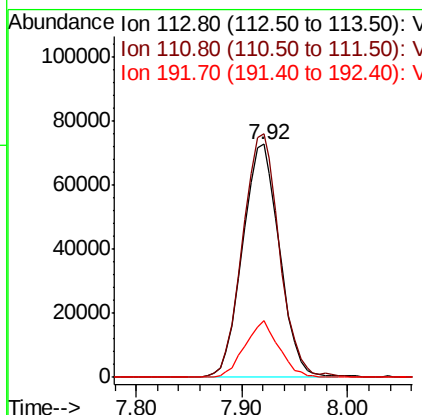
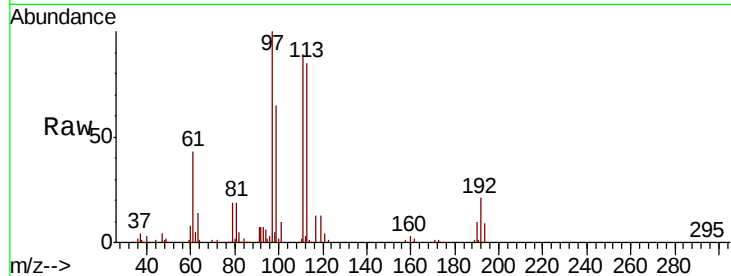
#35
 Dibromofluoromethane
 Concen: 51.875 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064831.D
 Acq: 10 Jan 2020 13:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.4	80.6	121.0
192	22.4	17.9	26.9

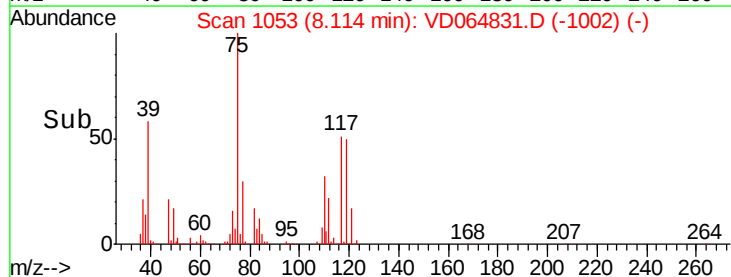
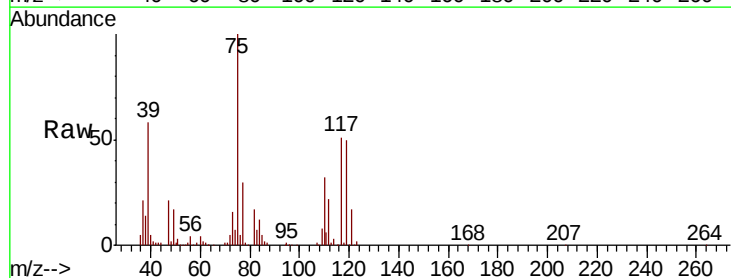
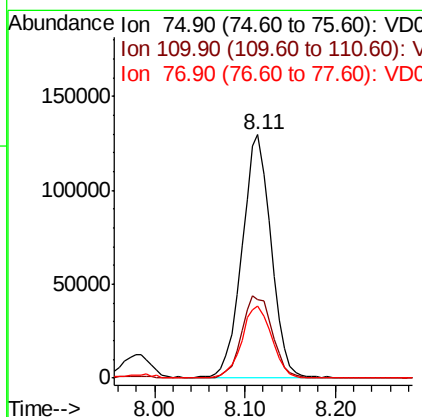
Manual Integrations
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#36
 1,1-Dichloropropene
 Concen: 53.642 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064831.D
 Acq: 10 Jan 2020 13:20

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.9	18.1	54.1
77	30.9	24.2	36.4





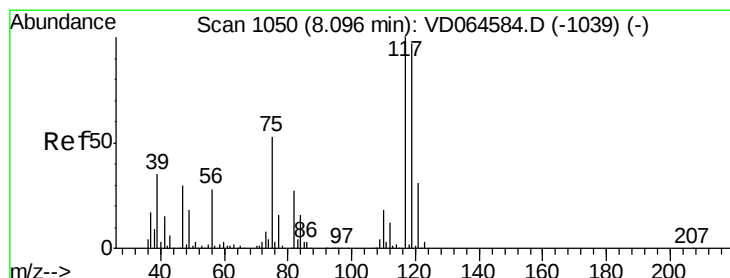
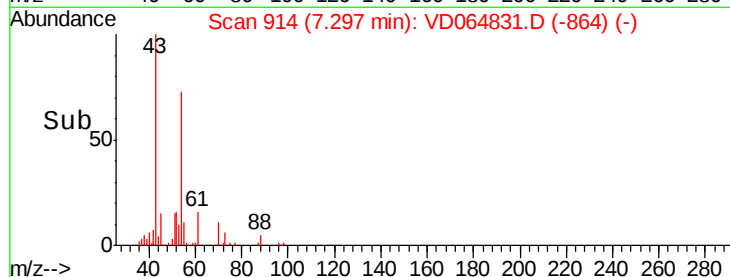
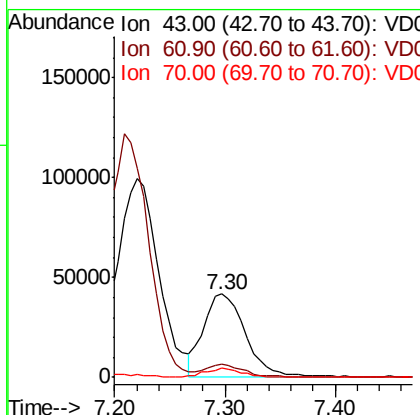
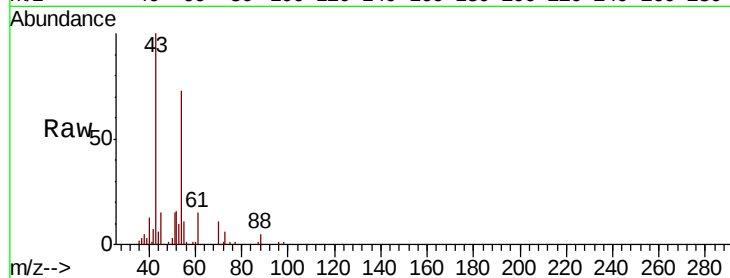
#37
Ethyl Acetate
Concen: 51.179 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD064831.D
Acq: 10 Jan 2020 13:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.1	10.3	15.5
70	9.7	7.6	11.4

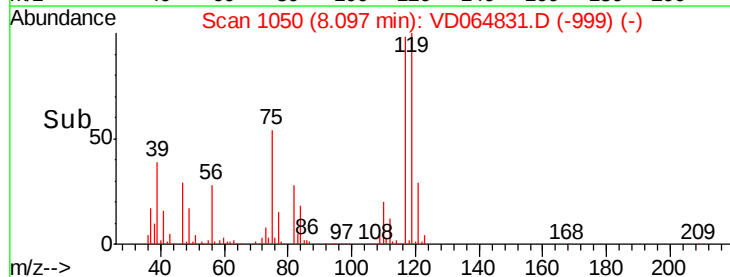
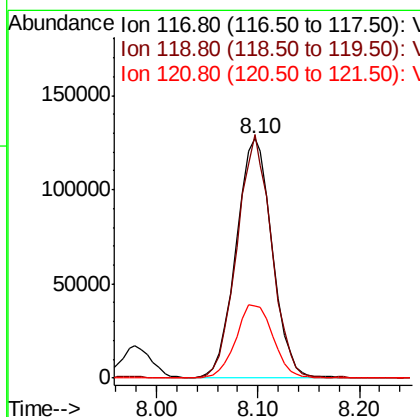
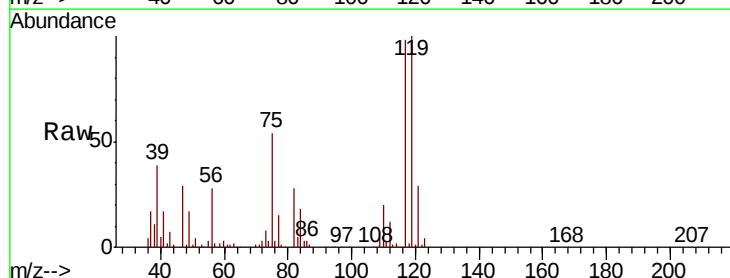
Manual Integrations
APPROVED

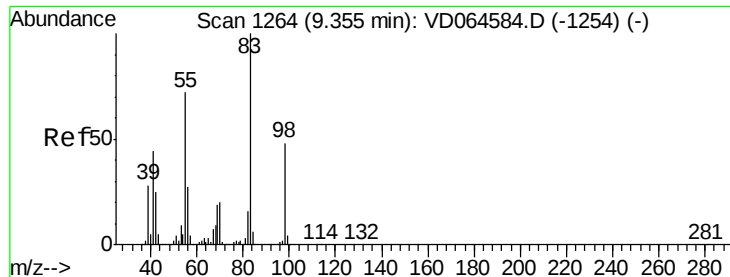
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#38
Carbon Tetrachloride
Concen: 54.636 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064831.D
Acq: 10 Jan 2020 13:20

Tgt Ion	Ratio	Lower	Upper
117	100		
119	101.8	77.3	115.9
121	30.0	25.0	37.6





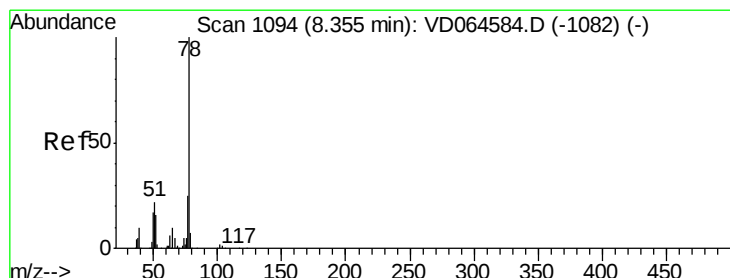
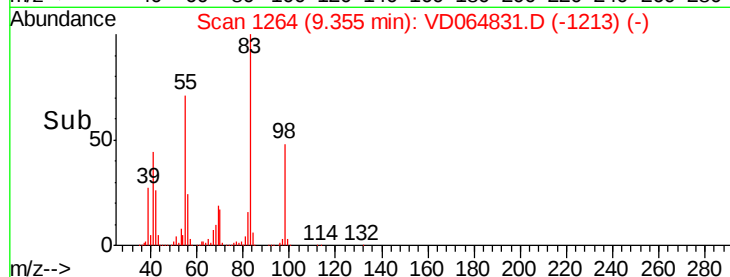
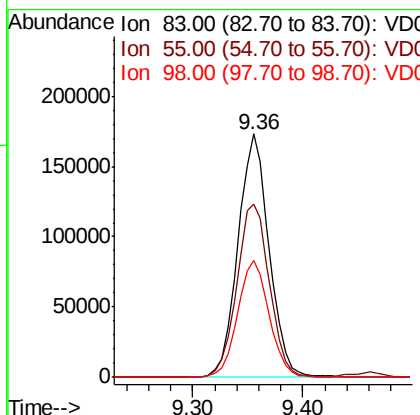
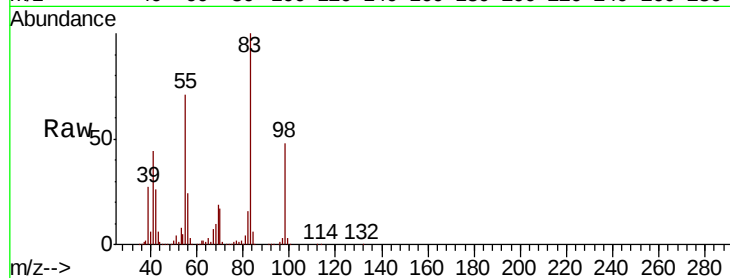
#39
Methvlcvclohexane
Concen: 52.834 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064831.D
Acq: 10 Jan 2020 13:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	70.9	57.8	86.6
98	48.3	38.7	58.1

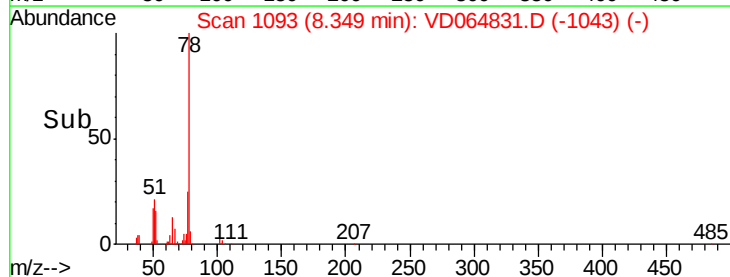
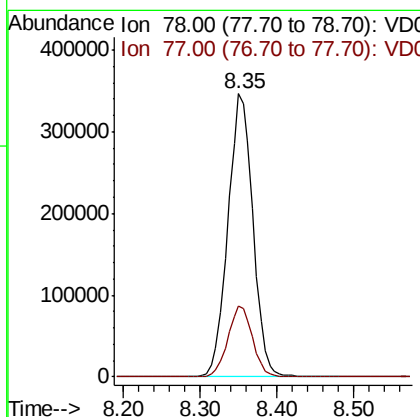
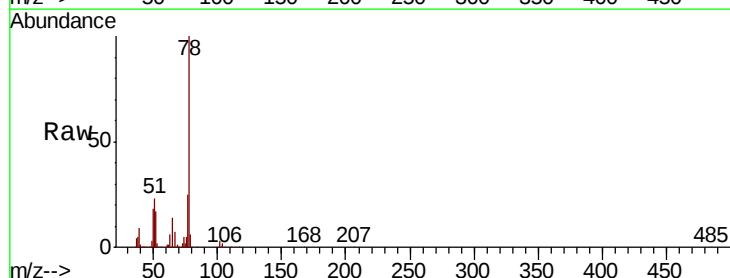
Manual Integrations
APPROVED

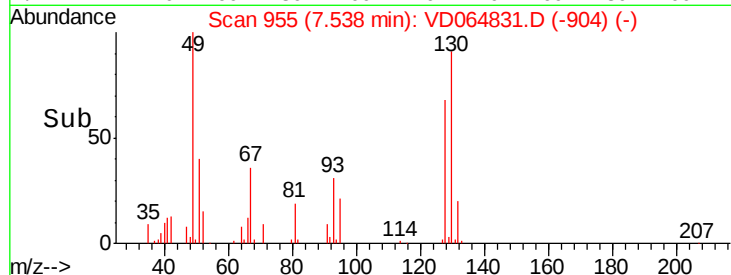
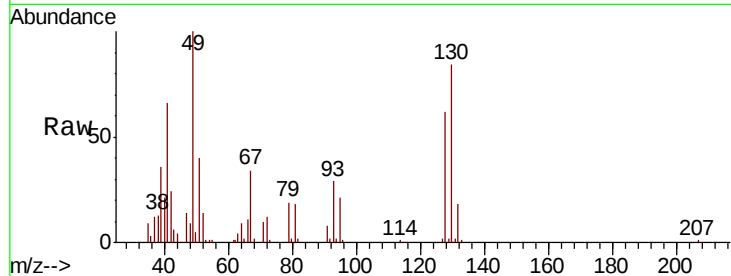
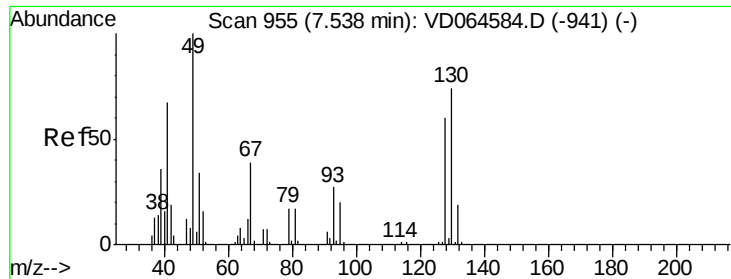
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#40
Benzene
Concen: 53.562 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD064831.D
Acq: 10 Jan 2020 13:20

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.9	19.9	29.9





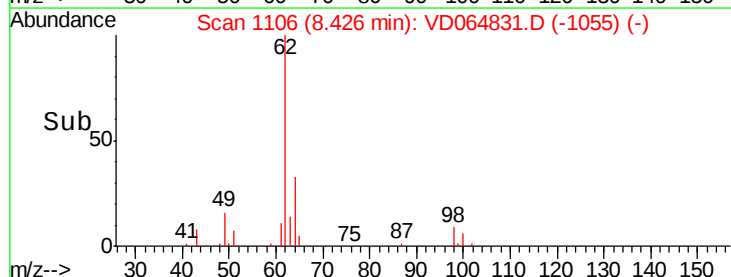
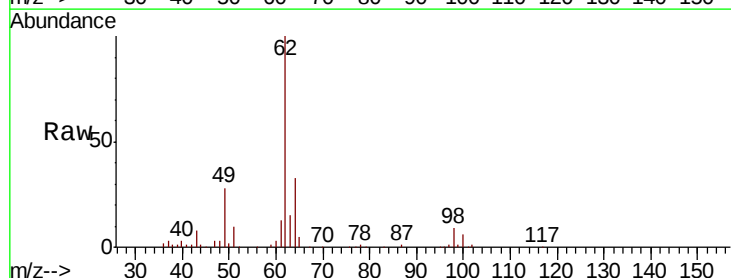
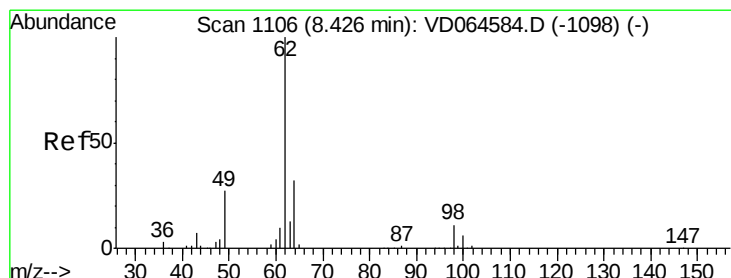
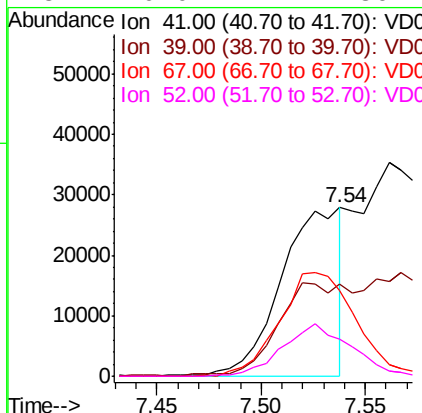
#41
Methacrylonitrile
Concen: 46.325 ug/l m
RT: 7.54 min Scan# 955
Delta R.T. 0.00 min
Lab File: VD064831.D
Acq: 10 Jan 2020 13:20

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	46.7	70.1#
67	0.0	52.5	78.7#
52	0.0	24.1	36.1#

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

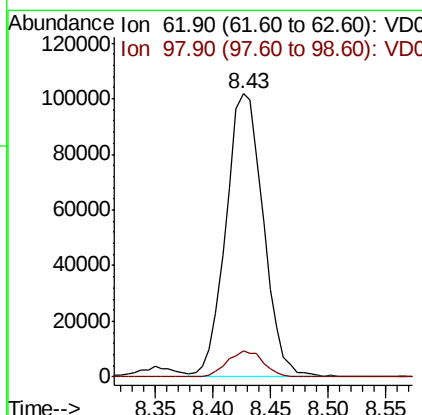
Manual Integrations
APPROVED

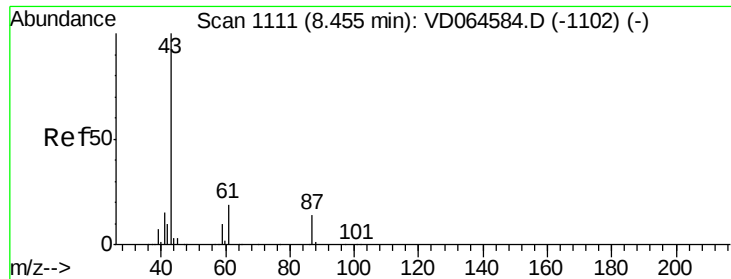
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#42
1,2-Dichloroethane
Concen: 53.904 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD064831.D
Acq: 10 Jan 2020 13:20

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	20.0





#43

Isopropyl Acetate

Concen: 52.154 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD064831.D

Acq: 10 Jan 2020 13:20

Instrument :

MSVOA_D

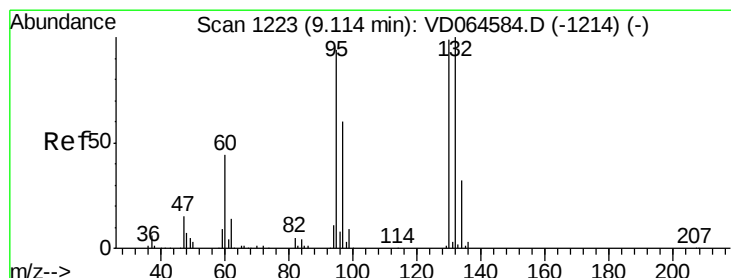
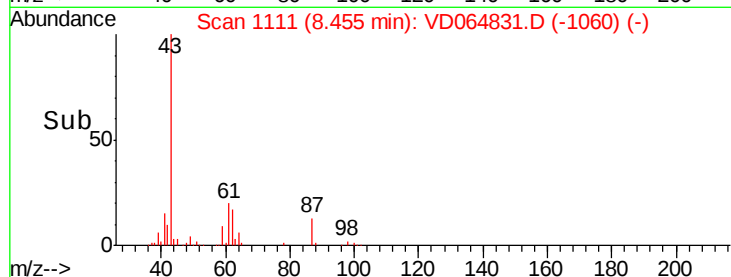
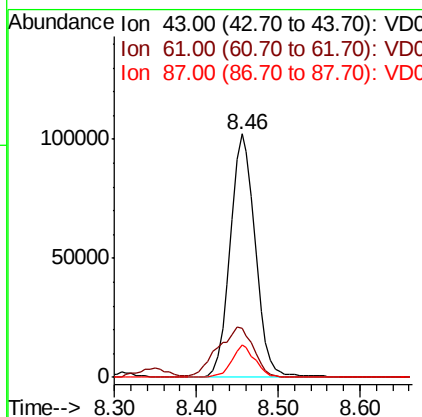
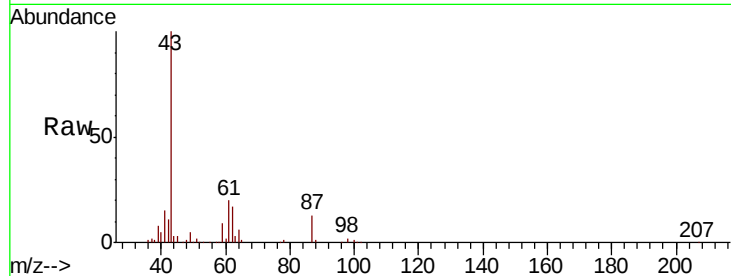
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	218443
Ion	Ratio	Lower	Upper
43	100		
61	29.5	23.7	35.5
87	12.3	10.5	15.7

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#44

Trichloroethene

Concen: 53.918 ug/l

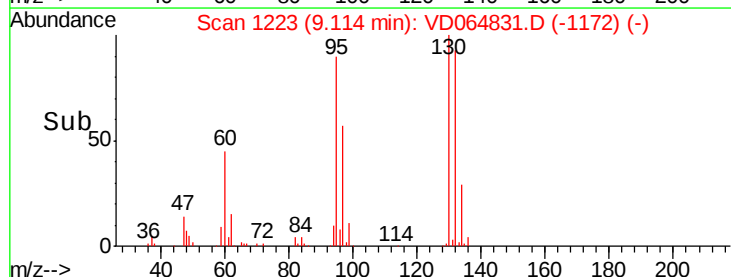
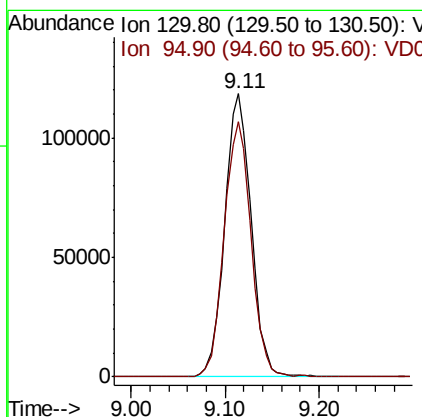
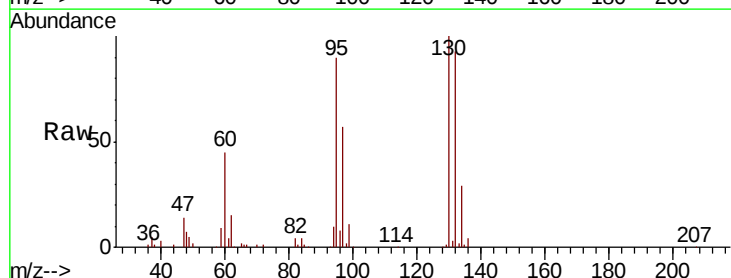
RT: 9.11 min Scan# 1223

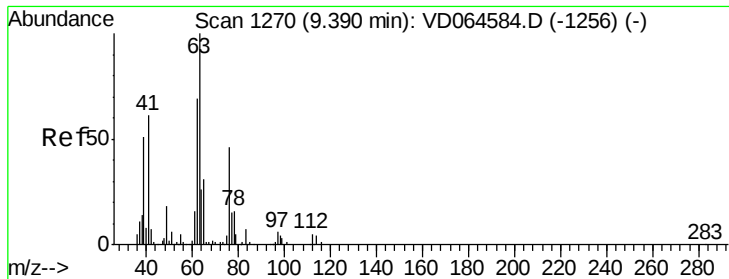
Delta R.T. 0.00 min

Lab File: VD064831.D

Acq: 10 Jan 2020 13:20

Tgt Ion:	130	Resp:	231613
Ion	Ratio	Lower	Upper
130	100		
95	90.0	0.0	190.2





#45

1,2-Dichloropropane

Concen: 54.350 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD064831.D

Acq: 10 Jan 2020 13:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 189754

Ion Ratio Lower Upper

63 100

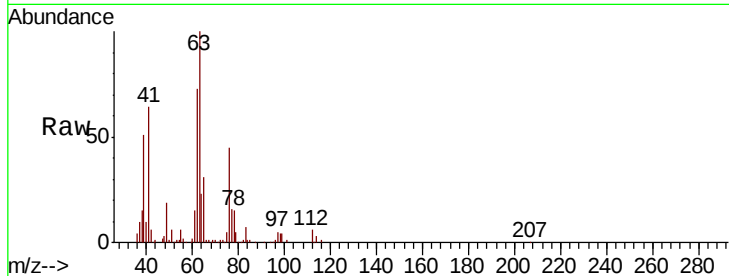
65 31.1 25.2 37.8

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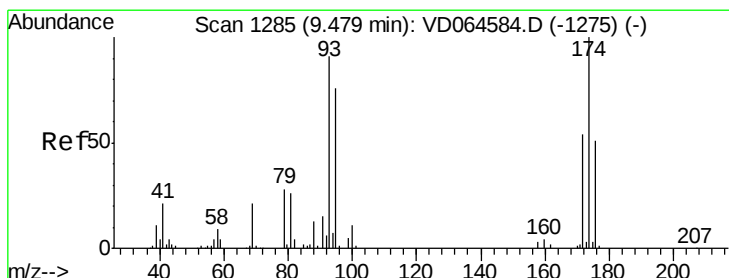
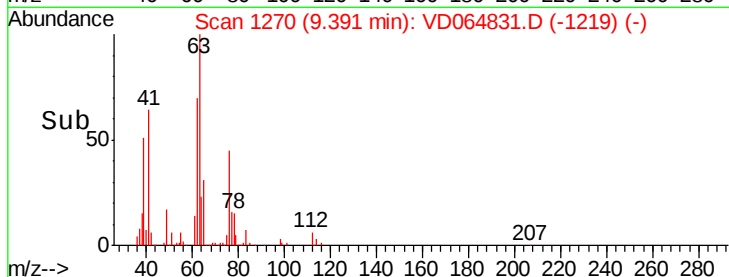
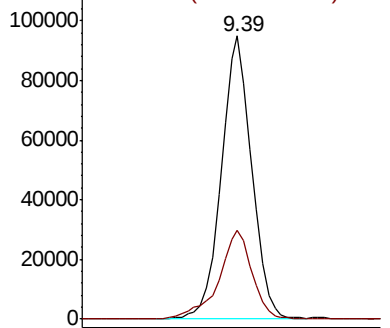
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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 52.074 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD064831.D

Acq: 10 Jan 2020 13:20

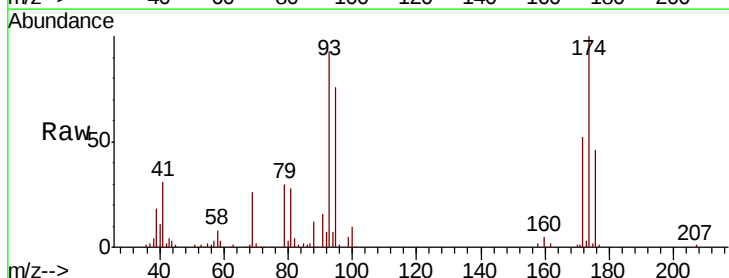
Tgt Ion: 93 Resp: 101365

Ion Ratio Lower Upper

93 100

95 81.9 64.6 97.0

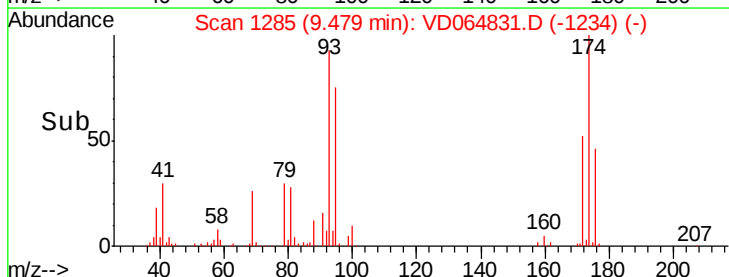
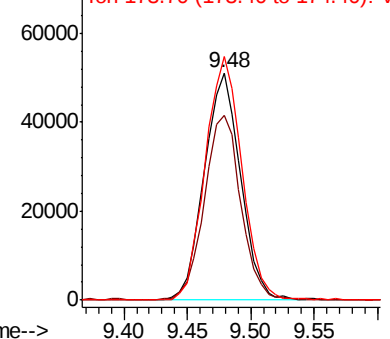
174 108.8 88.1 132.1

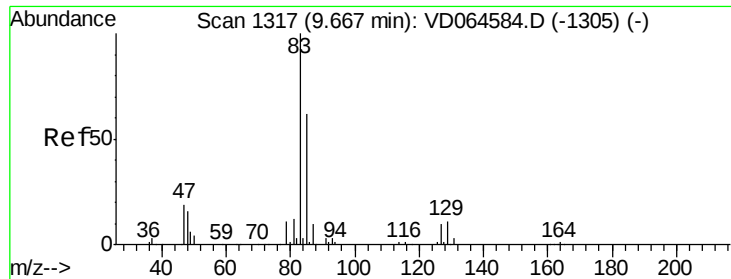


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): VDC





#47

Bromodichloromethane

Concen: 54.385 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD064831.D

Acq: 10 Jan 2020 13:20

Instrument :

MSVOA_D

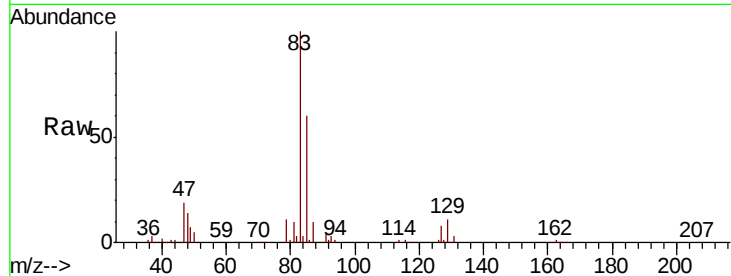
ClientSampleId :

VSTDCCC050

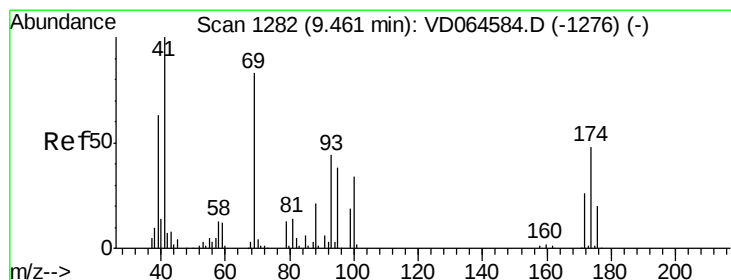
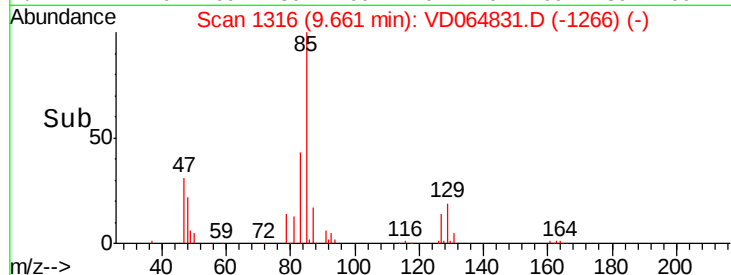
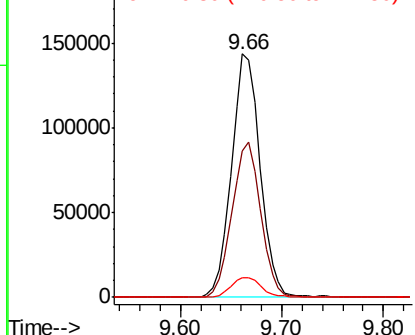
Tot Ion:	83	Resp:	281697
Ion	Ratio	Lower	Upper
83	100		
85	60.2	49.5	74.3
127	8.2	7.8	11.6

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 51.281 ug/l

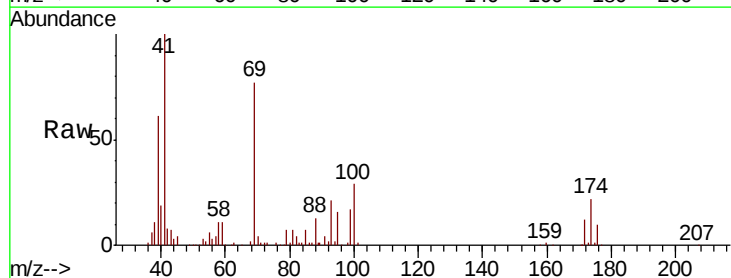
RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

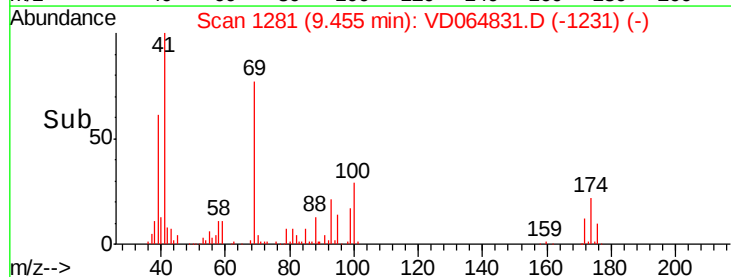
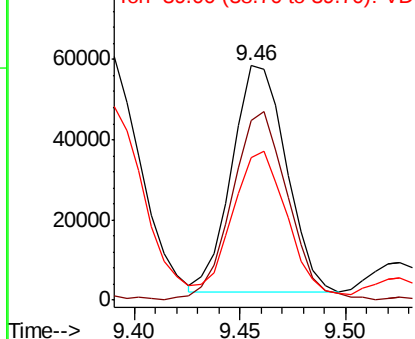
Lab File: VD064831.D

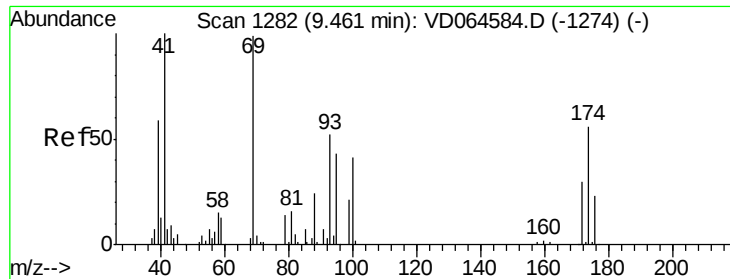
Acq: 10 Jan 2020 13:20

Tgt Ion:	41	Resp:	101134
Ion	Ratio	Lower	Upper
41	100		
69	84.8	63.0	94.6
39	61.9	47.4	71.2



Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 39.00 (38.70 to 39.70): VDC





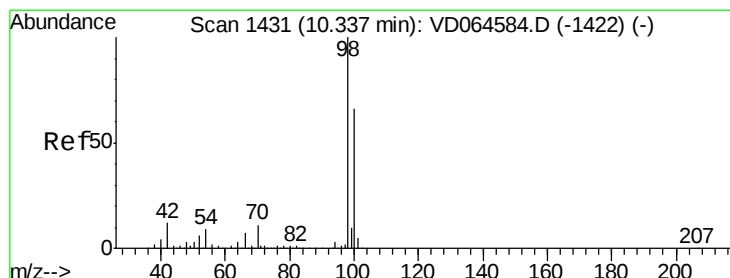
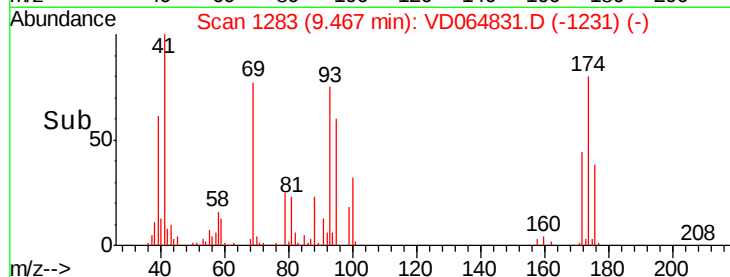
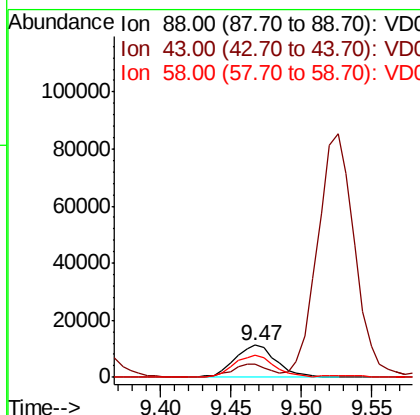
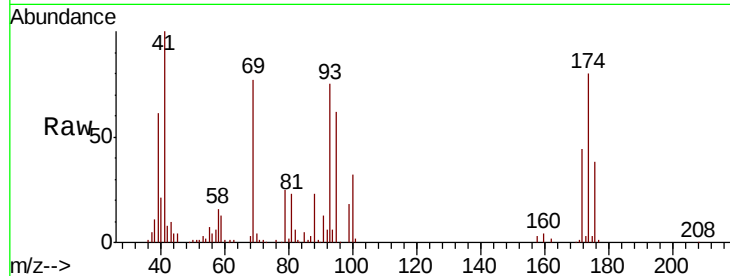
#49
1,4-Dioxane
Concen: 1049.275 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.01 min
Lab File: VD064831.D
Acq: 10 Jan 2020 13:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	23551
Ion Ratio	Lower	Upper	
88	100		
43	37.3	27.7	41.5
58	66.0	53.8	80.6

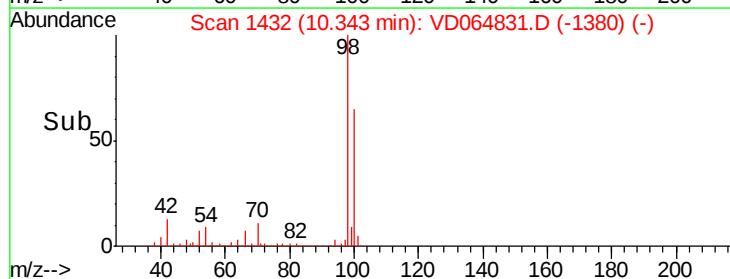
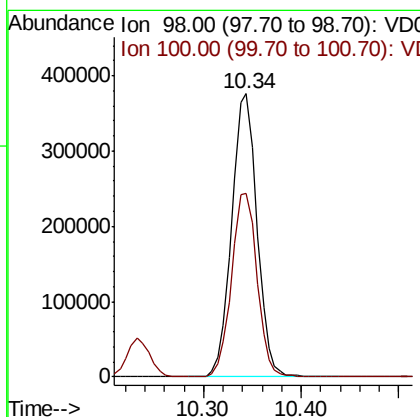
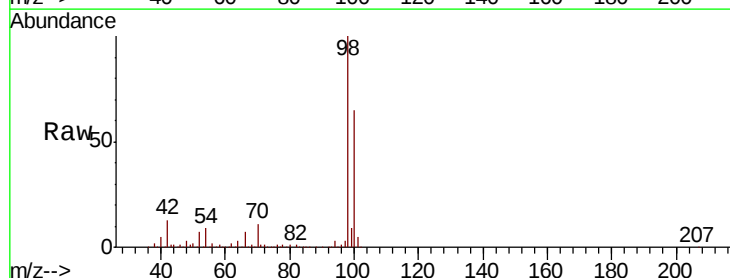
Manual Integrations
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#50
Toluene-d8
Concen: 51.962 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064831.D
Acq: 10 Jan 2020 13:20

Tgt Ion	98	Resp	679492
Ion Ratio	Lower	Upper	
98	100		
100	65.3	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 261.265 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD064831.D

Acq: 10 Jan 2020 13:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 540886

Ion Ratio Lower Upper

43 100

58 37.7

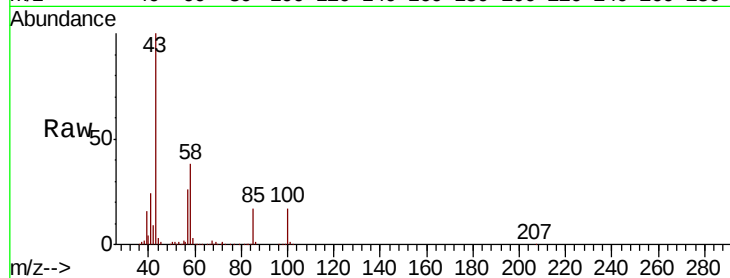
30.2

45.2

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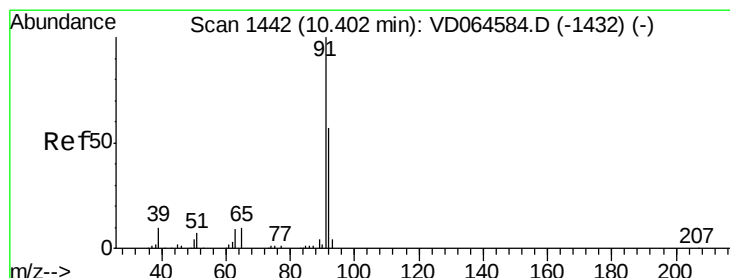
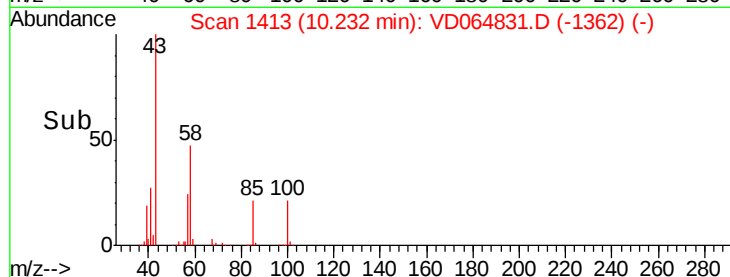
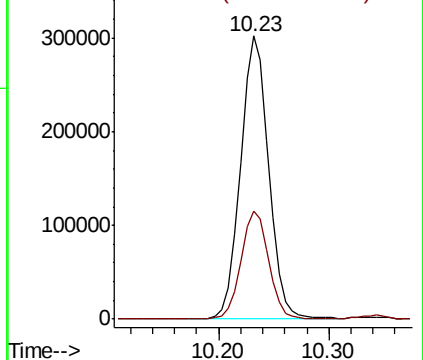
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 53.782 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.01 min

Lab File: VD064831.D

Acq: 10 Jan 2020 13:20

Tgt Ion: 92 Resp: 515961

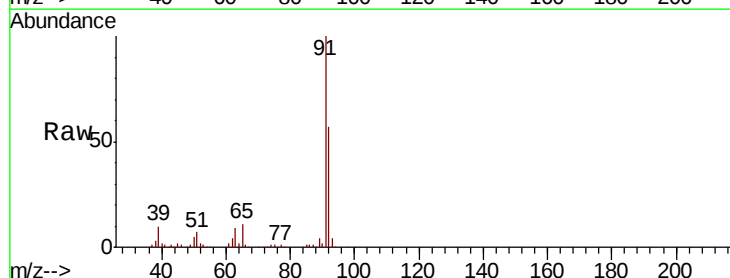
Ion Ratio Lower Upper

92 100

91 174.6

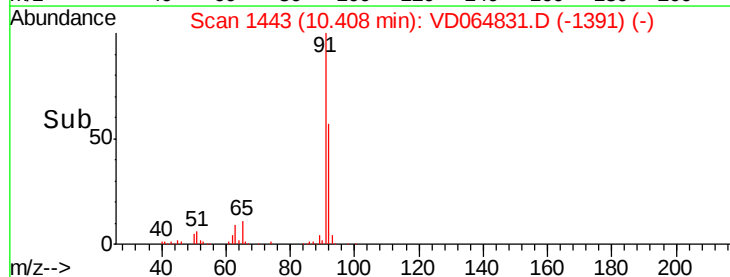
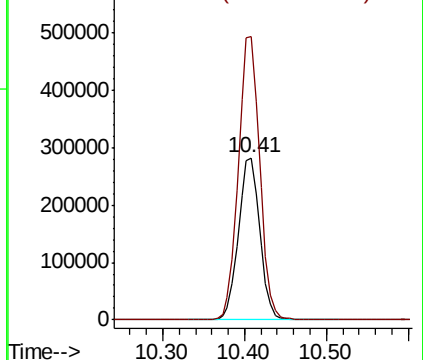
138.7

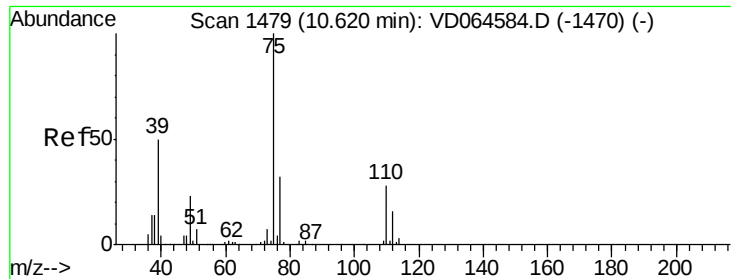
208.1



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 54.417 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.01 min

Lab File: VD064831.D

Acq: 10 Jan 2020 13:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 262787

Ion Ratio Lower Upper

75 100

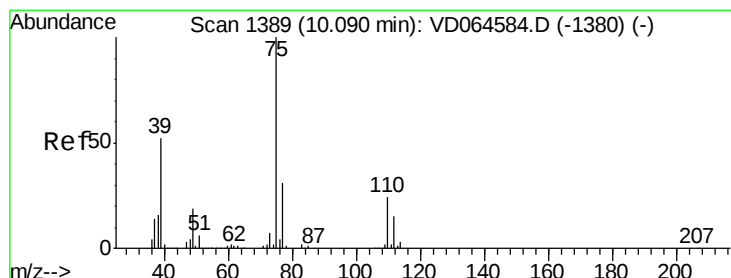
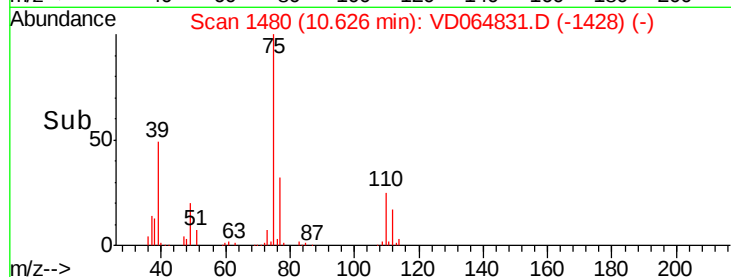
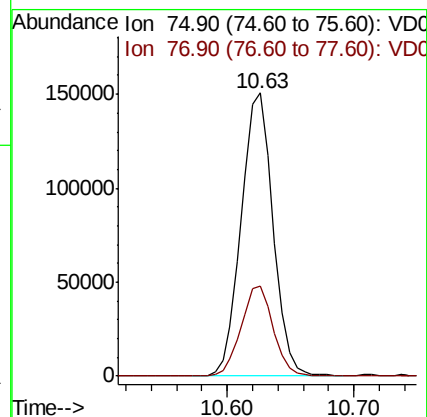
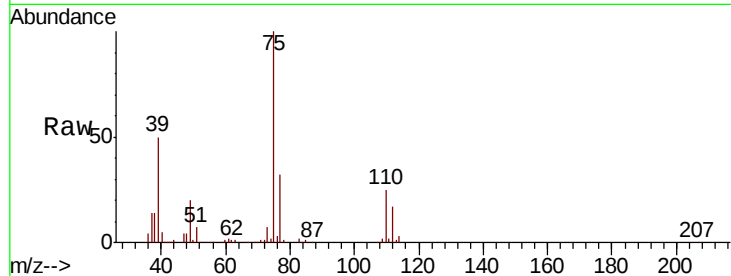
77 31.6 25.4 38.2

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#54

cis-1,3-Dichloropropene

Concen: 54.195 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD064831.D

Acq: 10 Jan 2020 13:20

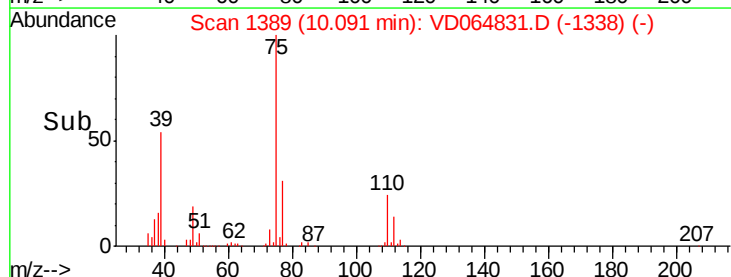
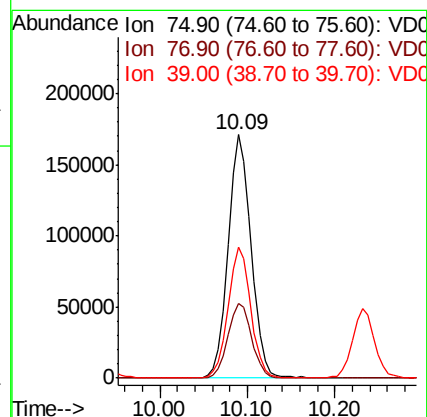
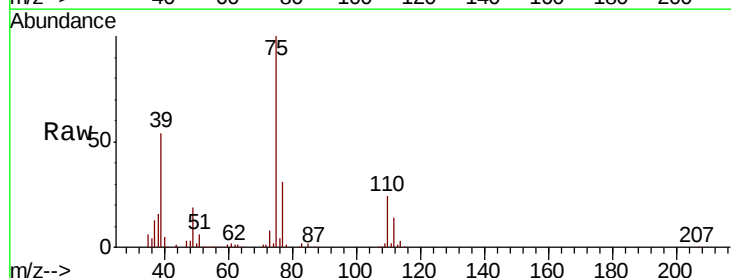
Tgt Ion: 75 Resp: 308599

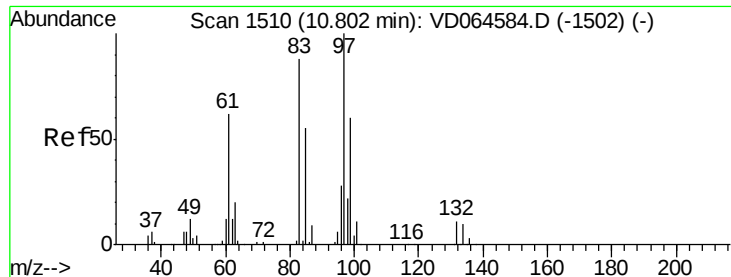
Ion Ratio Lower Upper

75 100

77 30.6 24.6 36.8

39 53.8 41.4 62.2





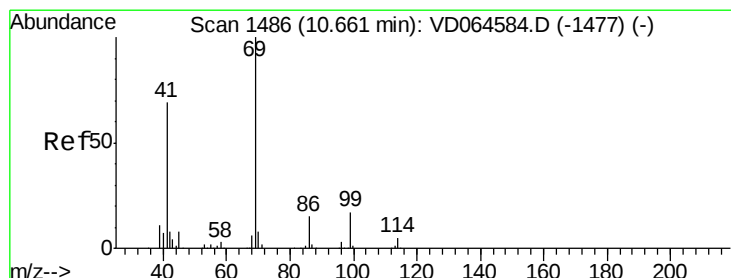
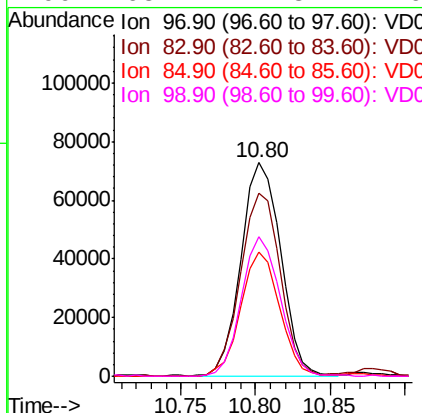
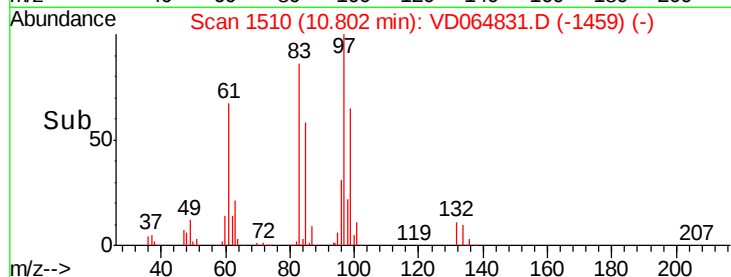
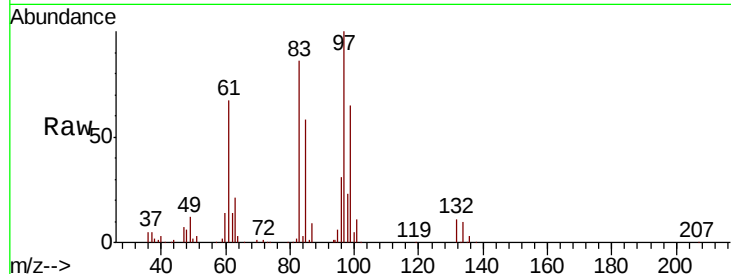
#55
 1,1,2-Trichloroethane
 Concen: 51.487 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064831.D
 Acq: 10 Jan 2020 13:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
97	100		
83	85.7	70.2	105.4
85	58.4	44.0	66.0
99	65.4	47.8	71.6

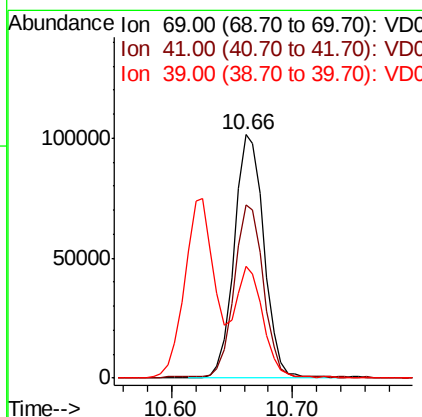
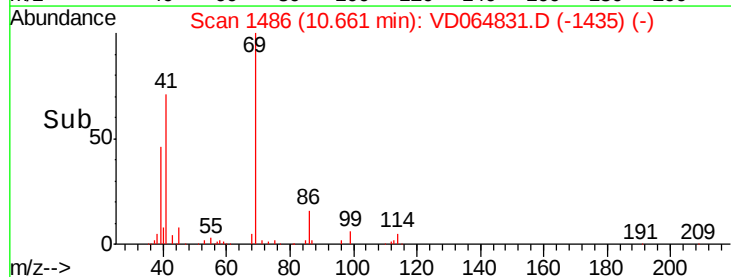
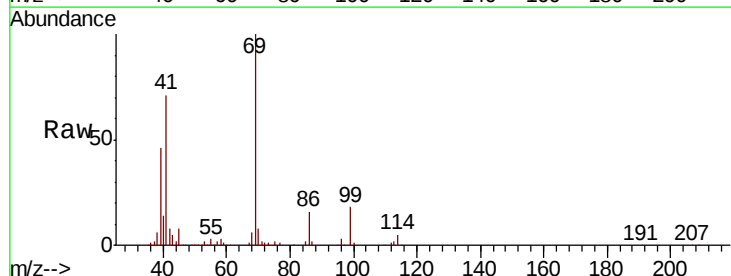
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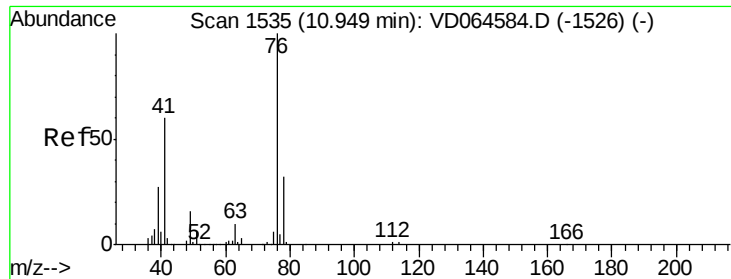
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#56
 Ethyl methacrylate
 Concen: 53.314 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD064831.D
 Acq: 10 Jan 2020 13:20

Tgt Ion	Ratio	Lower	Upper
69	100		
41	69.4	55.3	82.9
39	42.5	33.8	50.8





#57

1,3-Dichloropropane

Concen: 53.107 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD064831.D

Acq: 10 Jan 2020 13:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 239876

Ion Ratio Lower Upper

76 100

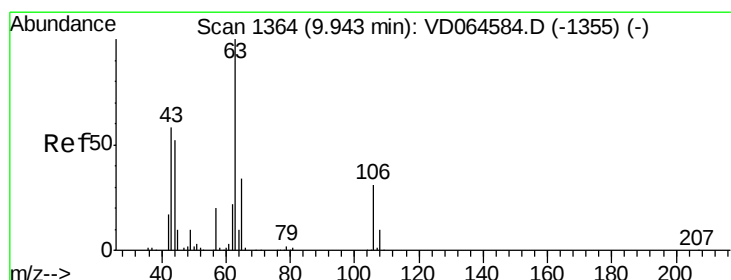
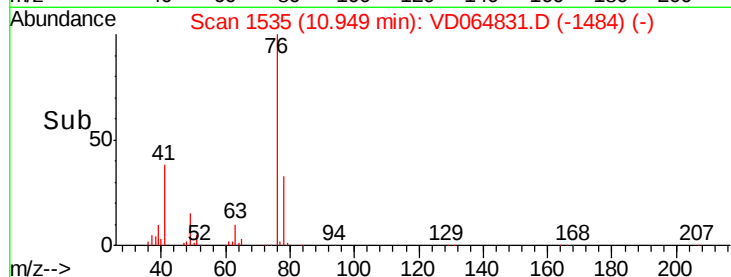
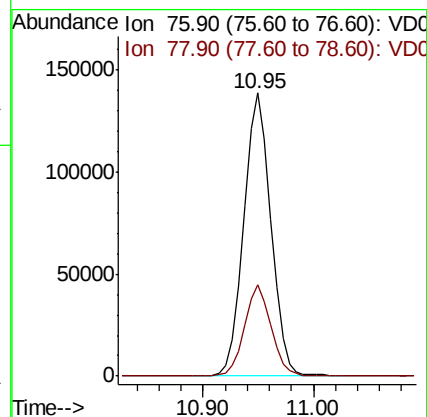
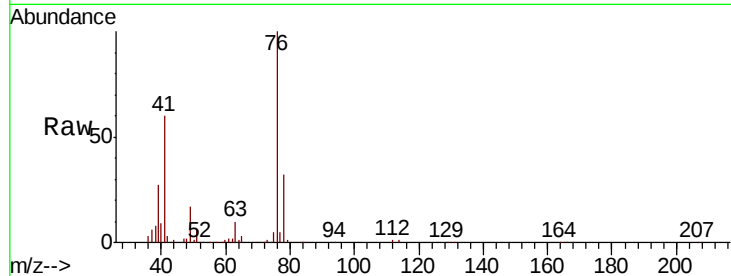
78 31.7 26.2 39.4

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 234.283 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD064831.D

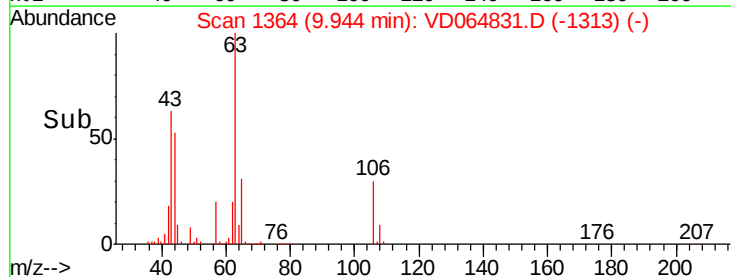
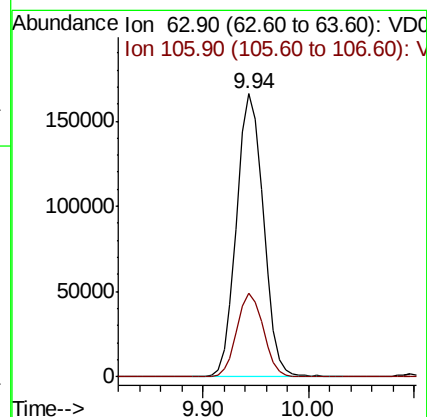
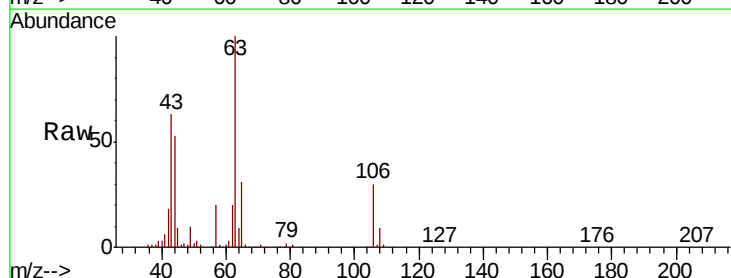
Acq: 10 Jan 2020 13:20

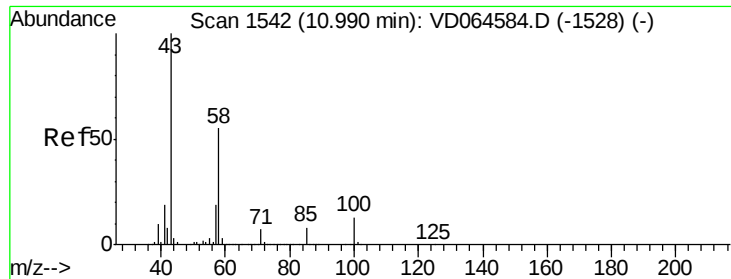
Tgt Ion: 63 Resp: 292431

Ion Ratio Lower Upper

63 100

106 29.2 23.8 35.8





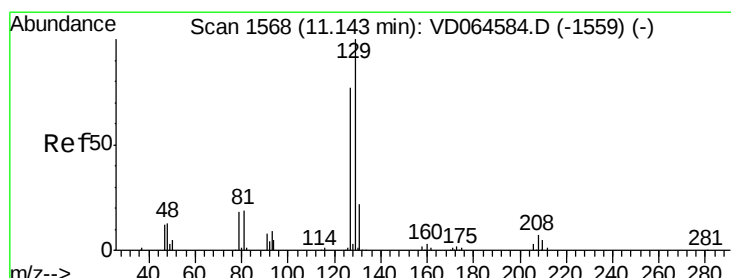
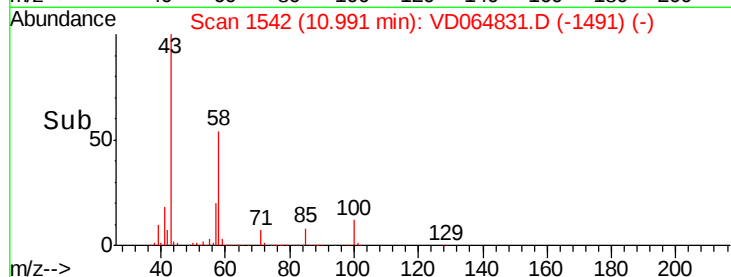
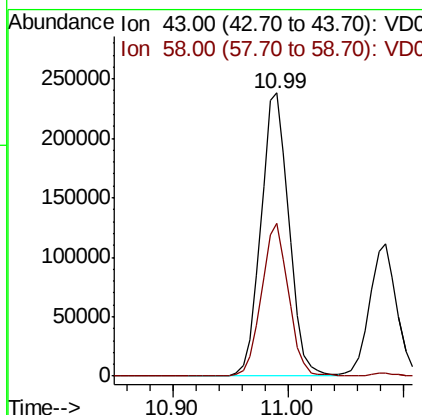
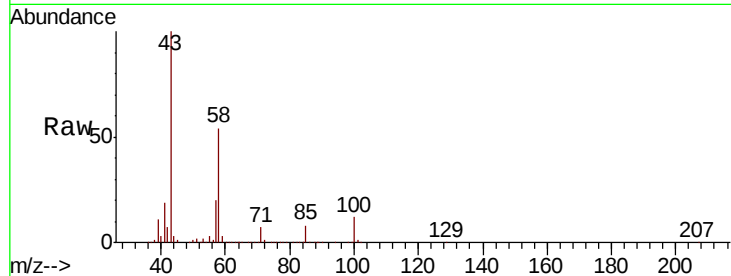
#59
2-Hexanone
Concen: 287.666 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064831.D
Acq: 10 Jan 2020 13:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 404208
Ion Ratio Lower Upper
43 100
58 52.0 26.4 79.0

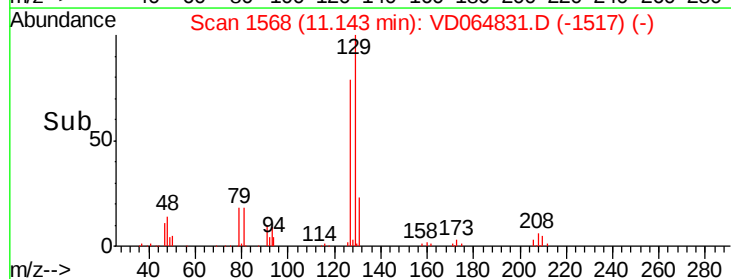
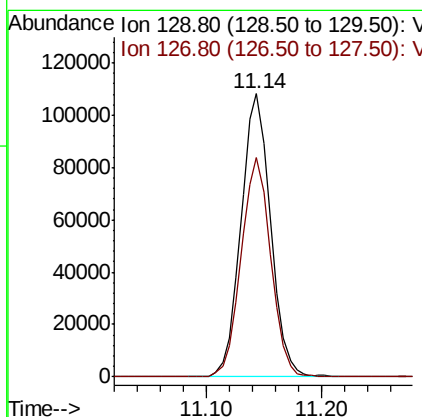
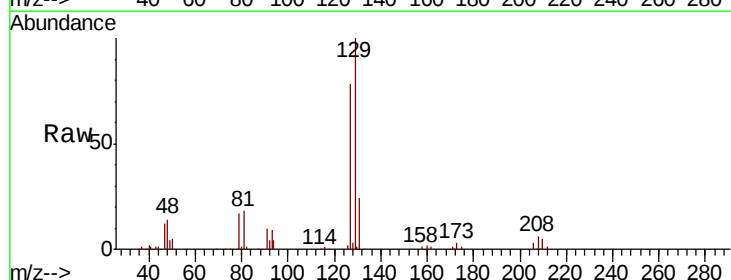
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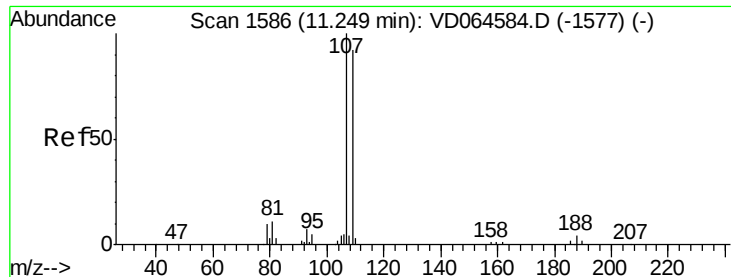
MMDadoda
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#60
Dibromochloromethane
Concen: 52.991 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064831.D
Acq: 10 Jan 2020 13:20

Tgt Ion: 129 Resp: 192233
Ion Ratio Lower Upper
129 100
127 77.4 38.4 115.2





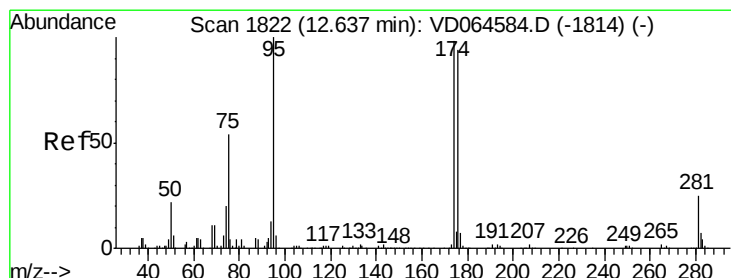
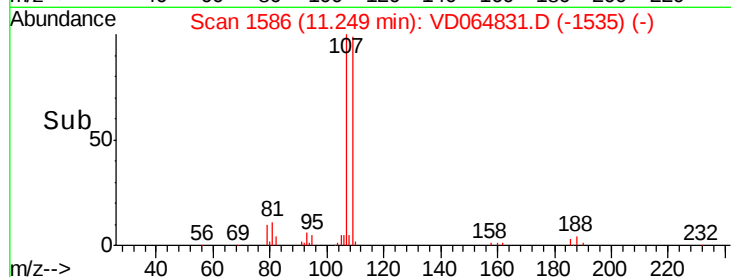
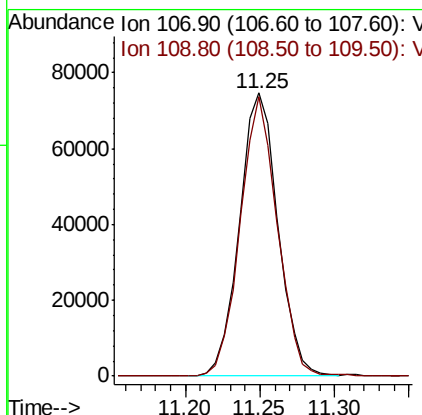
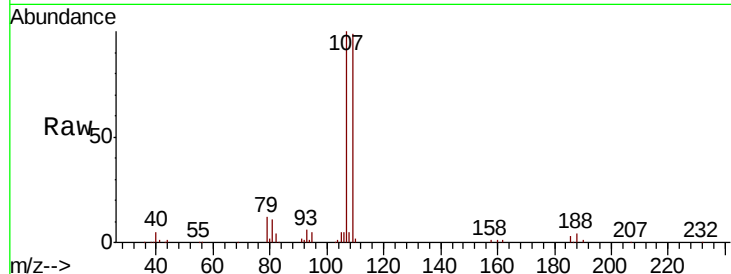
#61
 1,2-Dibromoethane
 Concen: 51.414 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064831.D
 Acq: 10 Jan 2020 13:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.3	75.6	113.4

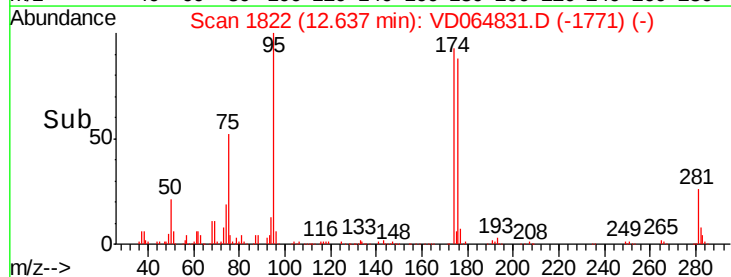
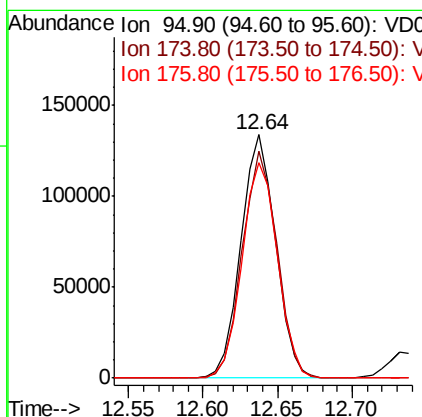
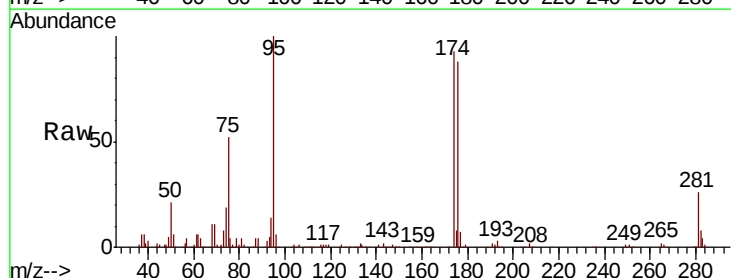
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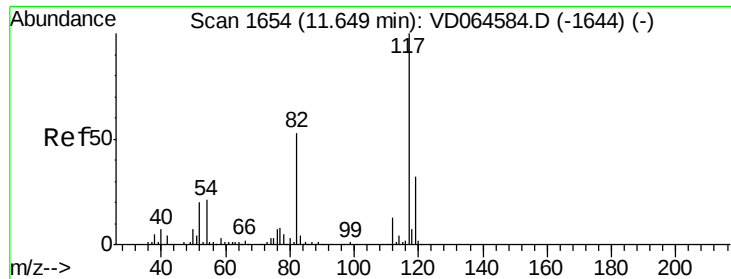
MMDadoda
 1/13/2020 12:38:13 PM



#62
 4-Bromofluorobenzene
 Concen: 52.052 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064831.D
 Acq: 10 Jan 2020 13:20

Tgt Ion	Ratio	Lower	Upper
95	100		
174	93.6	0.0	193.2
176	90.5	0.0	184.2





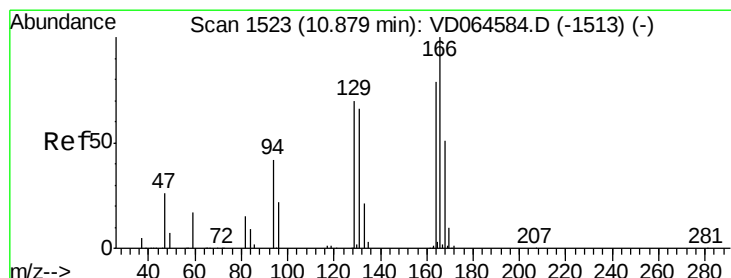
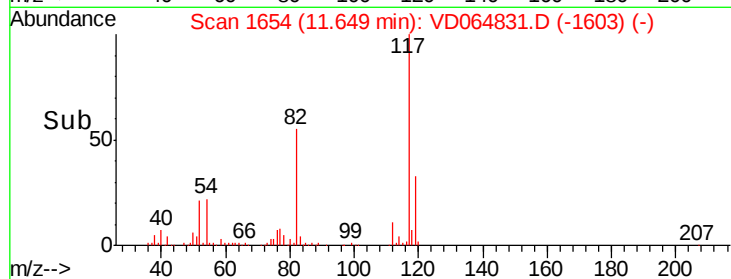
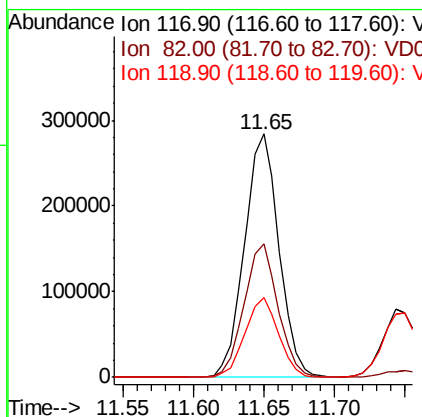
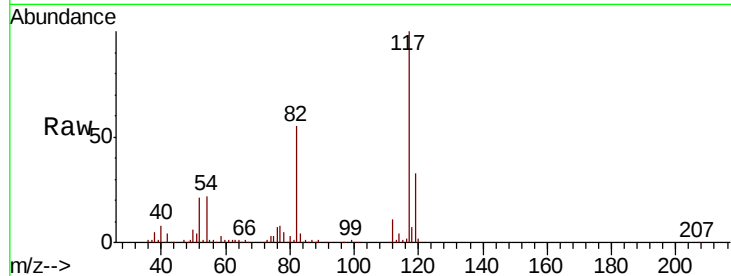
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064831.D
Acq: 10 Jan 2020 13:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	485616		
82	54.9	42.2	63.4	
119	32.8	26.0	39.0	

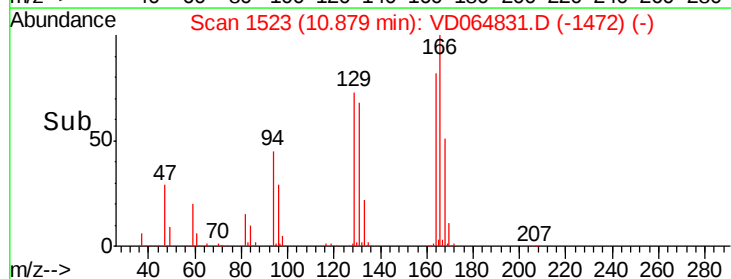
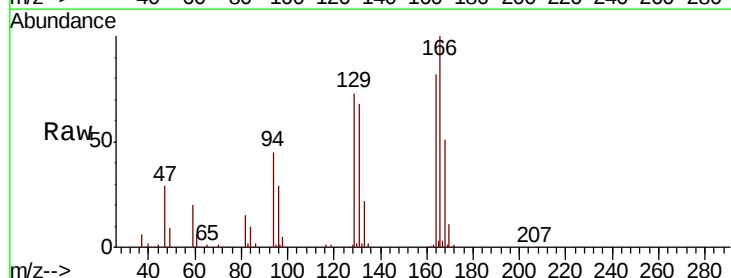
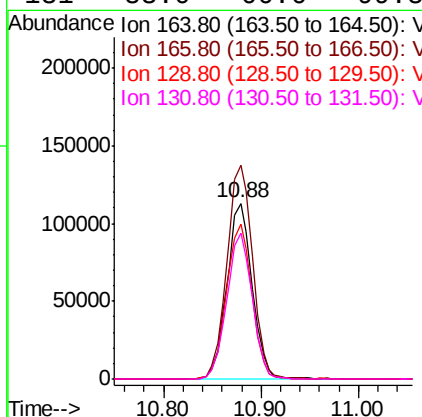
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#64
Tetrachloroethene
Concen: 54.185 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064831.D
Acq: 10 Jan 2020 13:20

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	201871		
166	121.4	101.3	151.9	
129	88.3	70.5	105.7	
131	83.0	66.6	99.8	





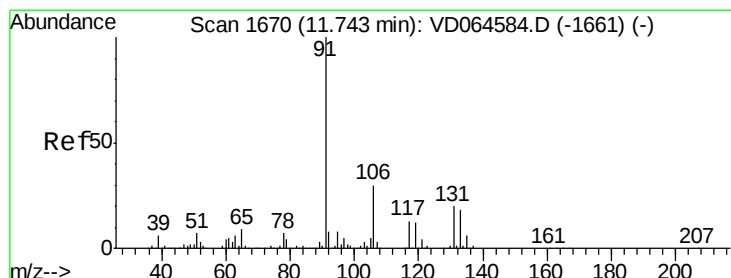
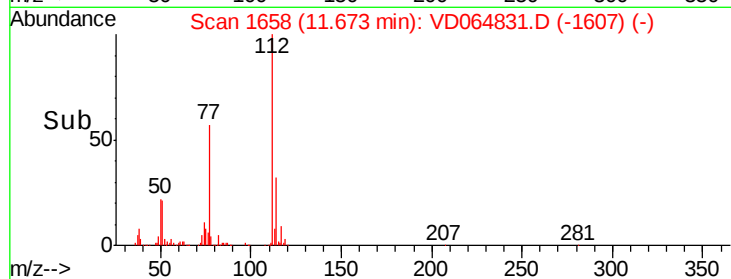
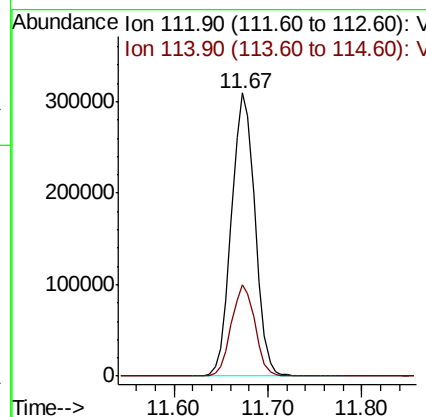
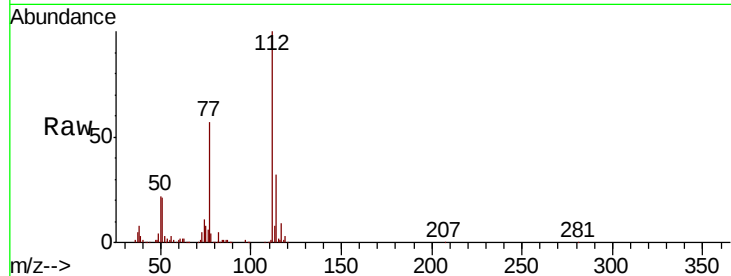
#65
Chlorobenzene
Concen: 53.272 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064831.D
Acq: 10 Jan 2020 13:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.5	24.8	37.2

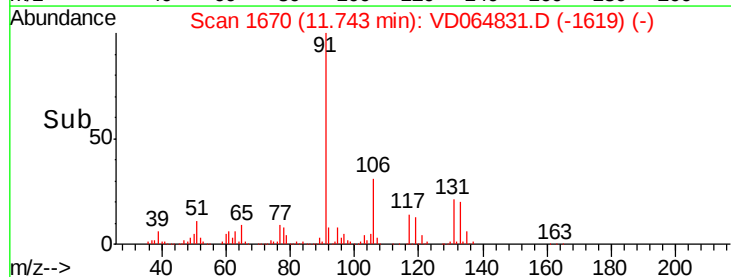
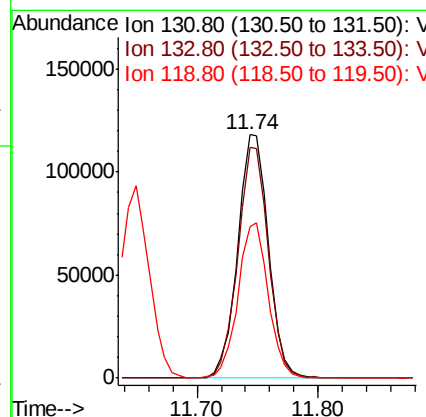
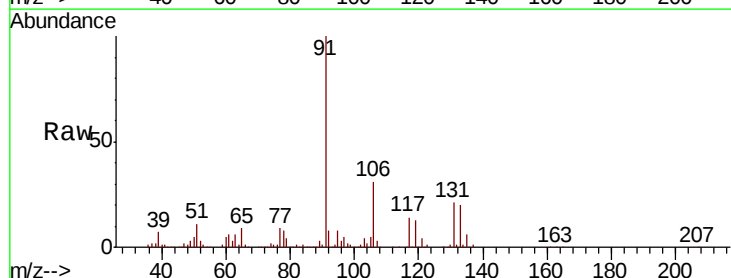
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#66
1,1,1,2-Tetrachloroethane
Concen: 55.079 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD064831.D
Acq: 10 Jan 2020 13:20

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.4	48.3	144.8
119	63.2	32.1	96.3





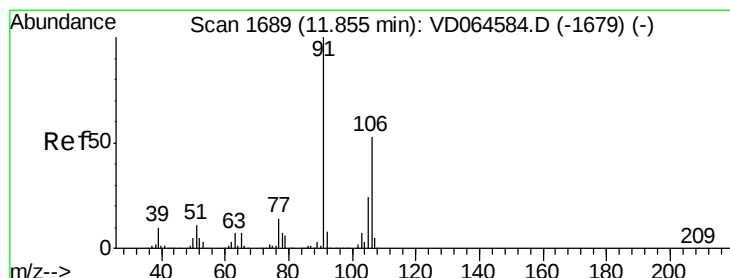
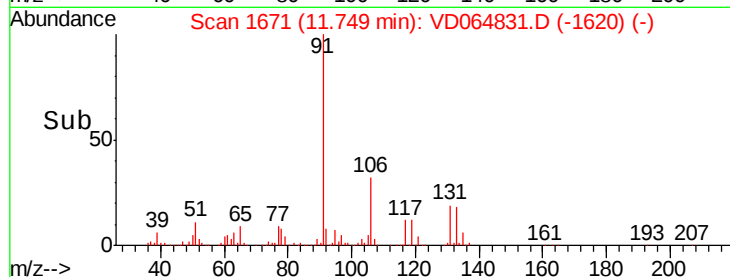
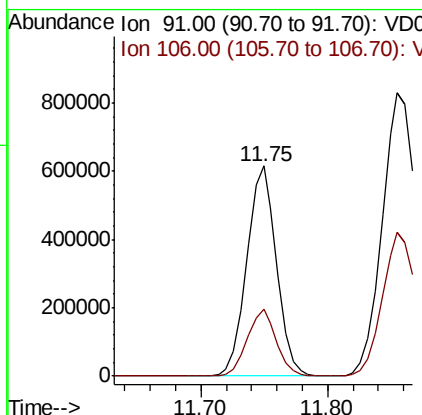
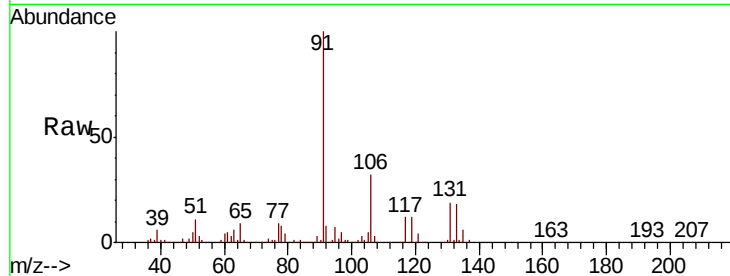
#67
Ethyl Benzene
Concen: 54.633 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064831.D
Acq: 10 Jan 2020 13:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 999439
Ion Ratio Lower Upper
91 100
106 31.8 24.6 36.8

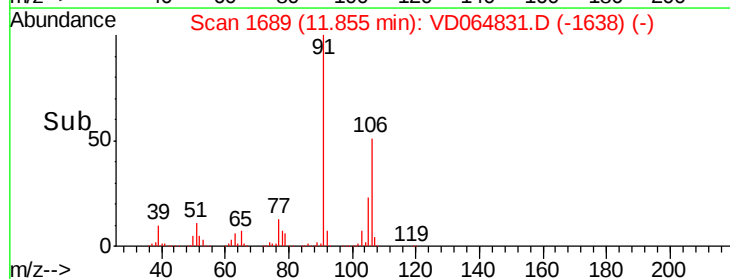
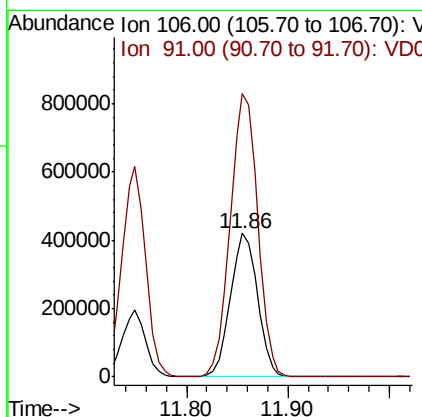
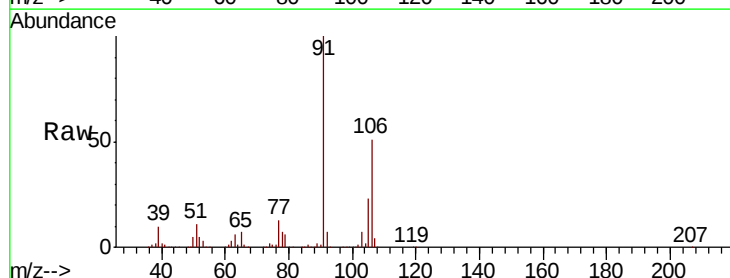
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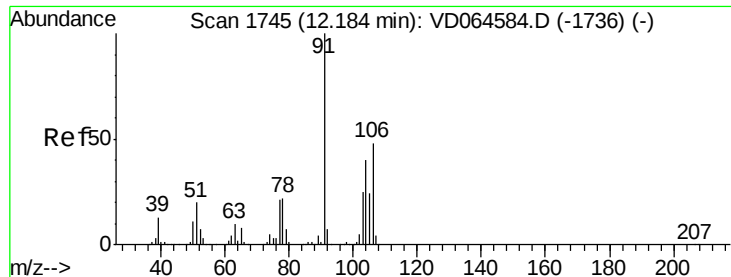
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#68
m/p-Xylenes
Concen: 110.743 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD064831.D
Acq: 10 Jan 2020 13:20

Tgt Ion: 106 Resp: 781957
Ion Ratio Lower Upper
106 100
91 199.7 156.3 234.5





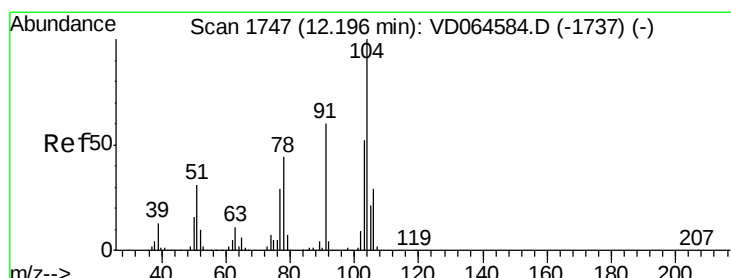
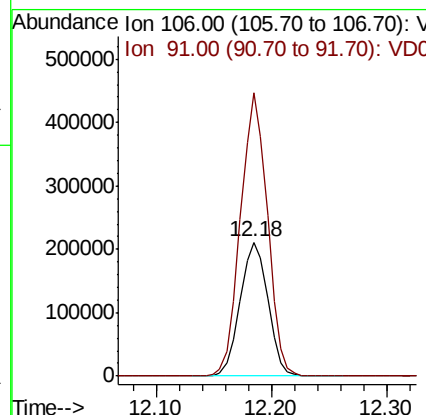
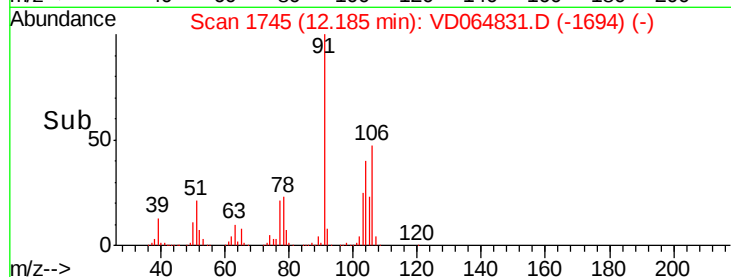
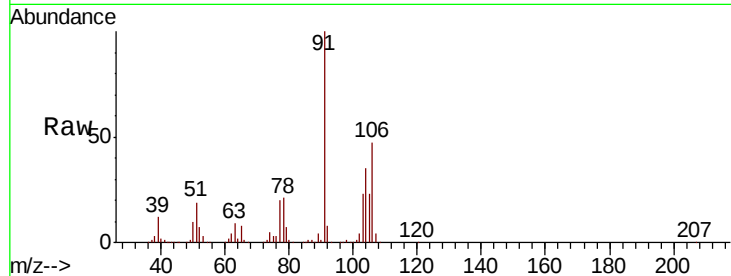
#69
o-Xylene
Concen: 55.120 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064831.D
Acq: 10 Jan 2020 13:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	205.6	104.8	351550	314.4	

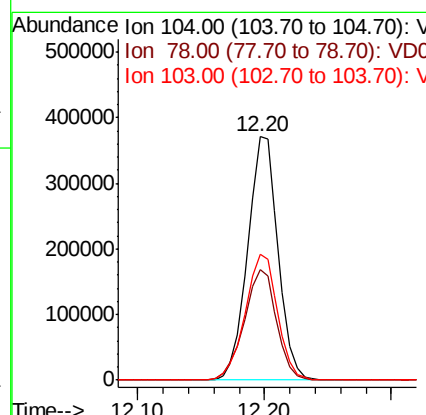
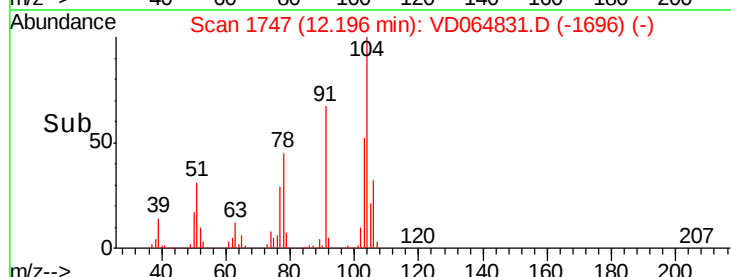
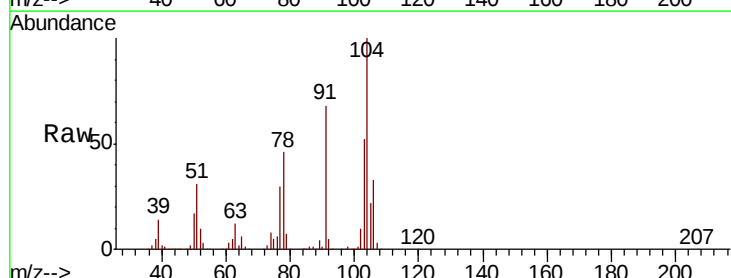
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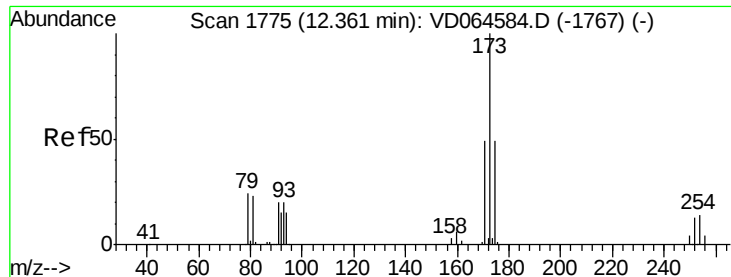
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#70
Styrene
Concen: 55.119 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD064831.D
Acq: 10 Jan 2020 13:20

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	48.3	38.2	617051	57.2	
103	55.2	44.6		67.0	





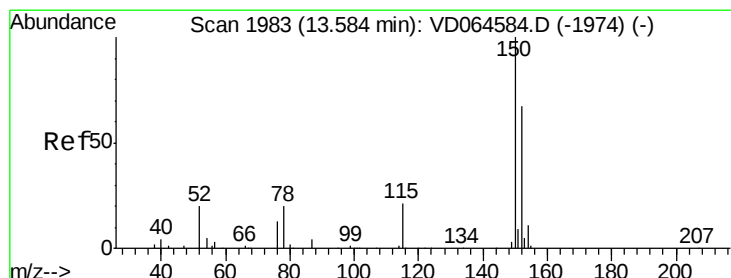
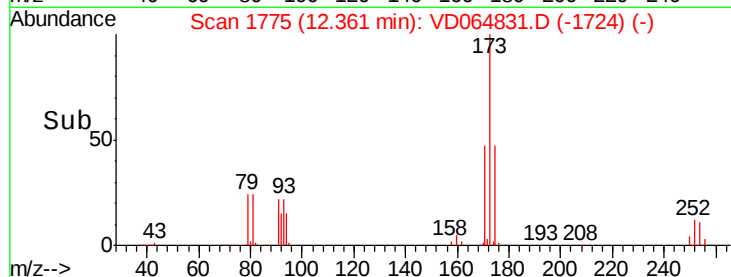
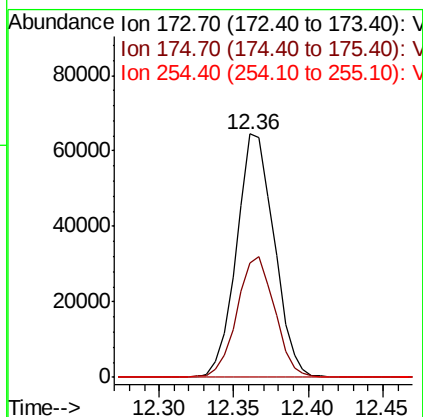
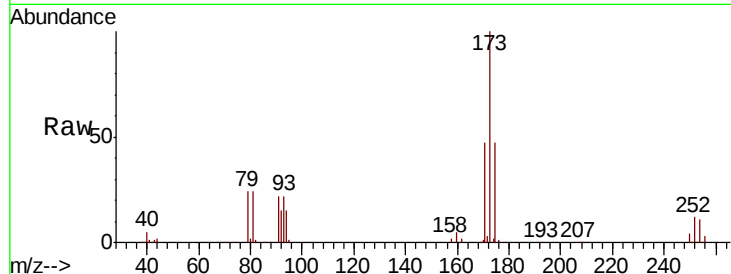
#71
Bromoform
Concen: 52.120 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. 0.00 min
Lab File: VD064831.D
Acq: 10 Jan 2020 13:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.7	24.6	73.8
254	0.1	0.1	0.1

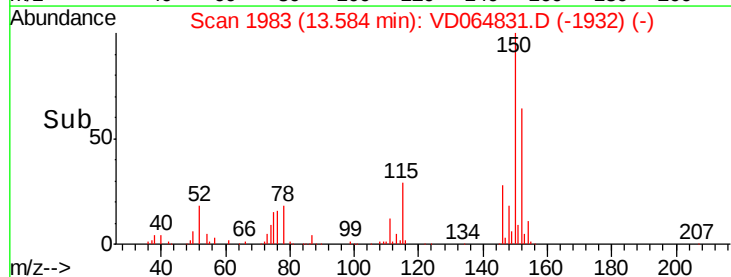
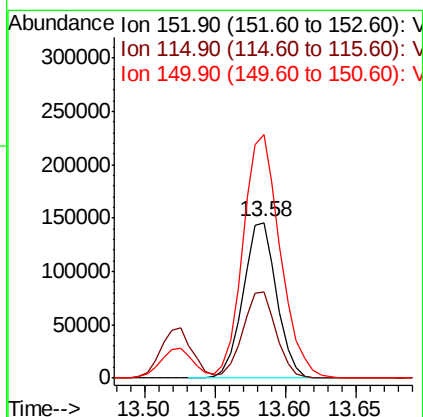
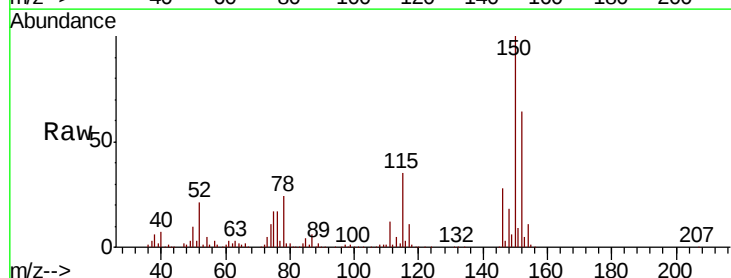
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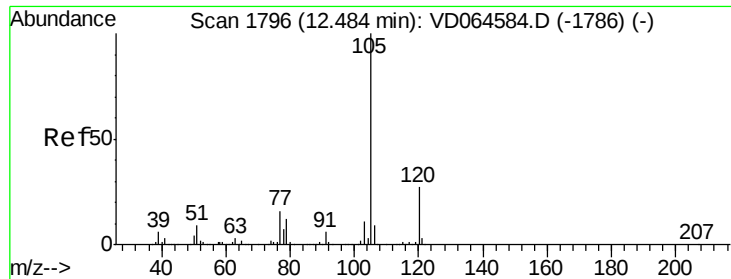
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064831.D
Acq: 10 Jan 2020 13:20

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.9	27.8	83.4
150	173.4	0.0	351.4





#73

Isopropylbenzene

Concen: 56.050 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064831.D

Acq: 10 Jan 2020 13:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 971442

Ion Ratio Lower Upper

105 100

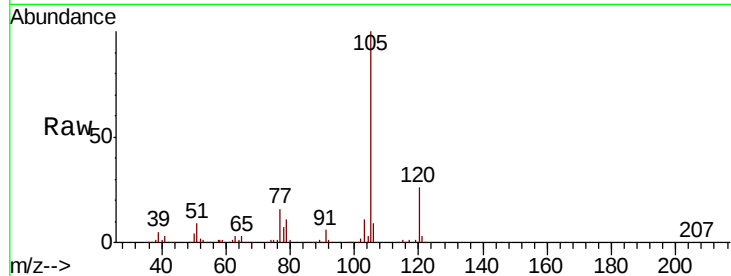
120 26.2 13.5 40.5

Manual Integrations

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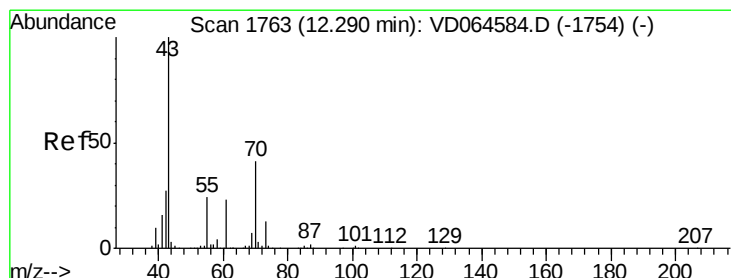
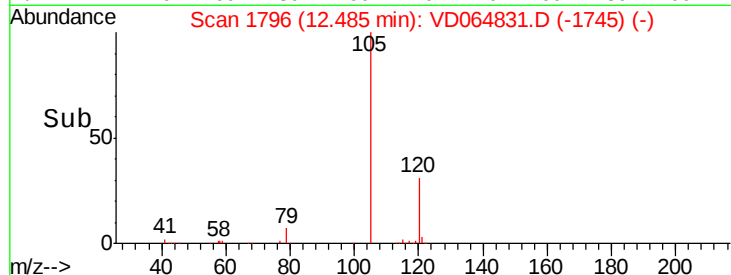
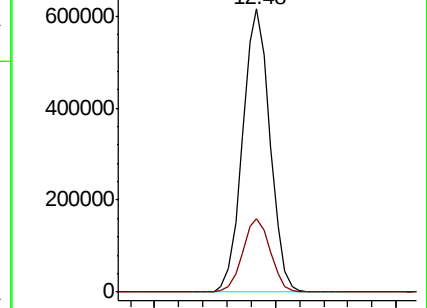
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 53.110 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD064831.D

Acq: 10 Jan 2020 13:20

Tgt Ion: 43 Resp: 196765

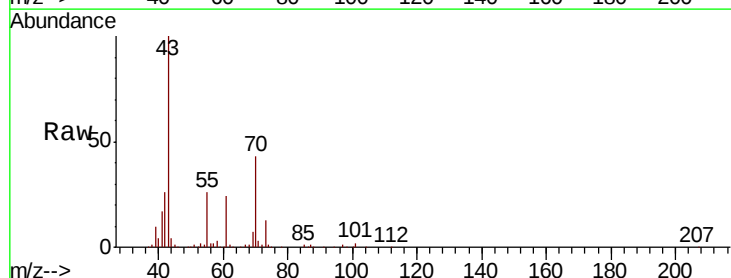
Ion Ratio Lower Upper

43 100

70 41.5 33.4 50.0

55 25.4 19.4 29.0

61 23.4 18.3 27.5

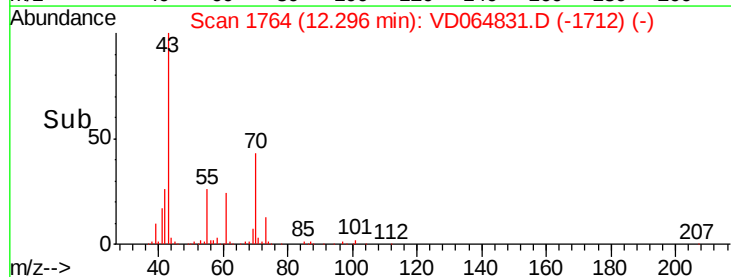
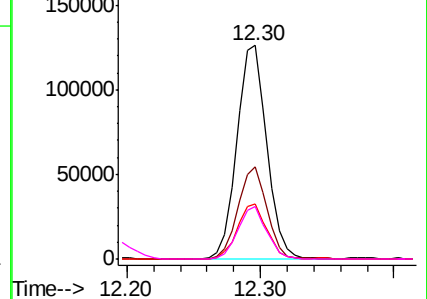


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 52.289 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064831.D

Acq: 10 Jan 2020 13:20

Instrument :

MSVOA_D

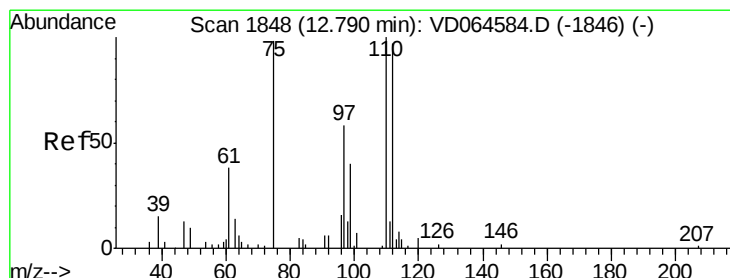
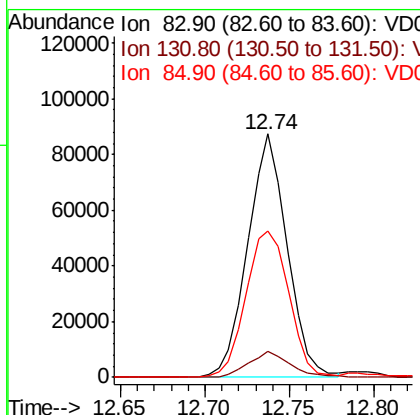
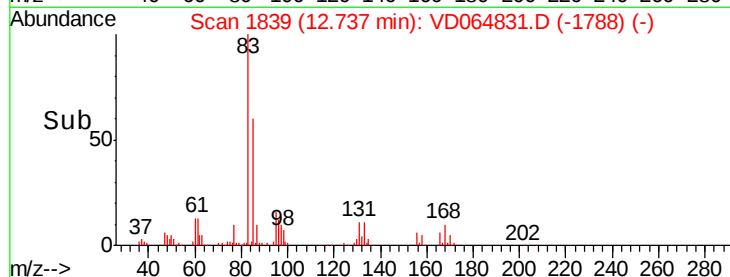
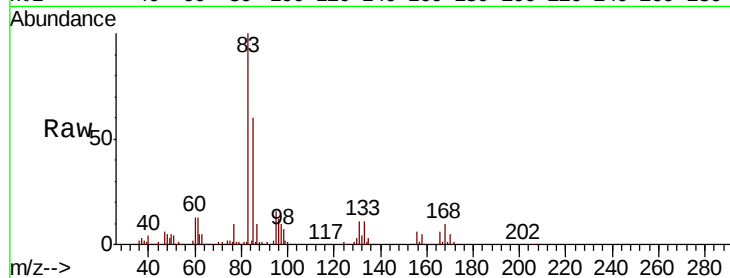
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	142363
Ion Ratio	Lower	Upper	
83	100		
131	11.1	5.8	17.4
85	65.3	32.3	96.9

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#76

1,2,3-Trichloropropane

Concen: 47.778 ug/l m

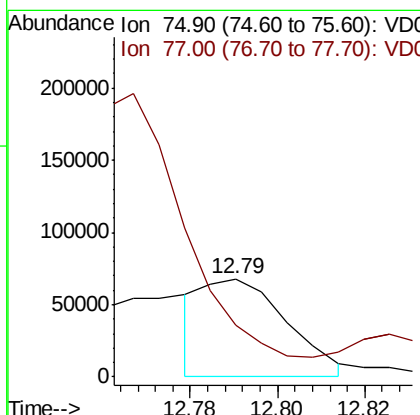
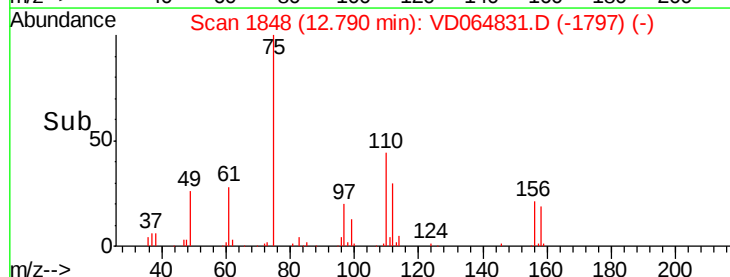
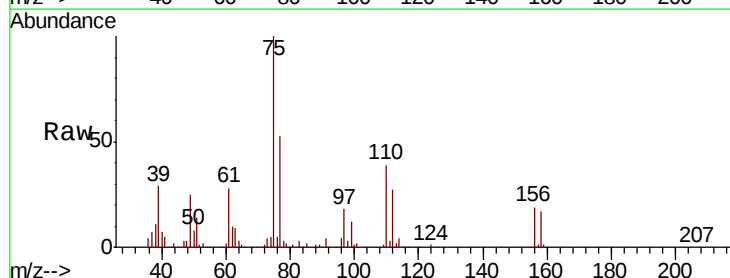
RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064831.D

Acq: 10 Jan 2020 13:20

Tgt Ion:	75	Resp:	91503
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 52.721 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD064831.D

Acq: 10 Jan 2020 13:20

Instrument :

MSVOA_D

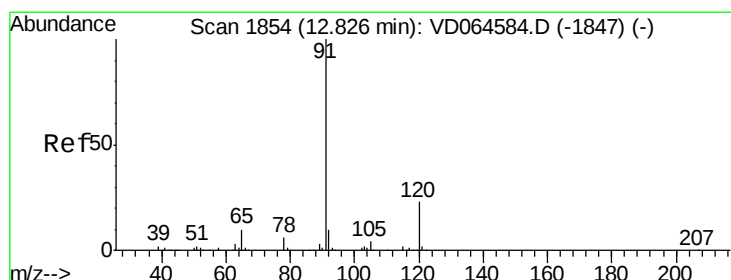
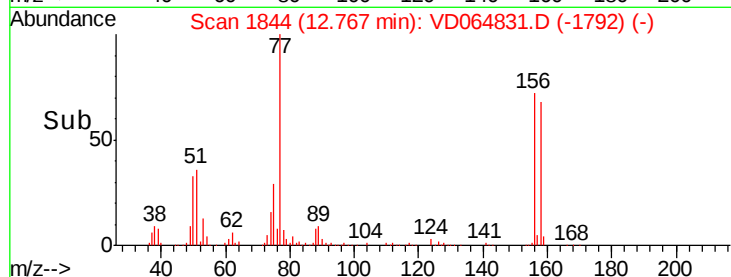
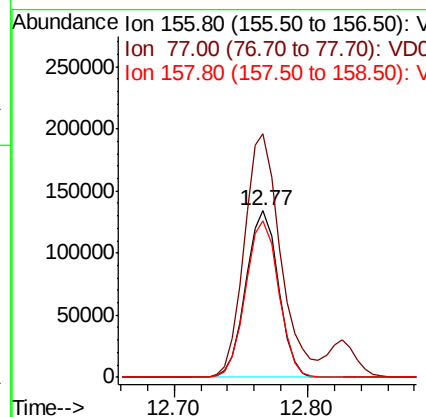
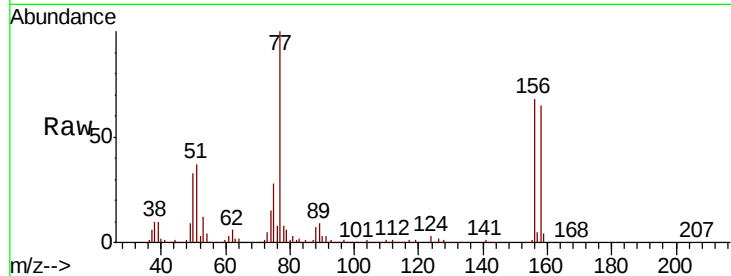
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	164.4	80.9	242.7
158	96.0	48.0	144.2

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#78

n-propylbenzene

Concen: 55.878 ug/l

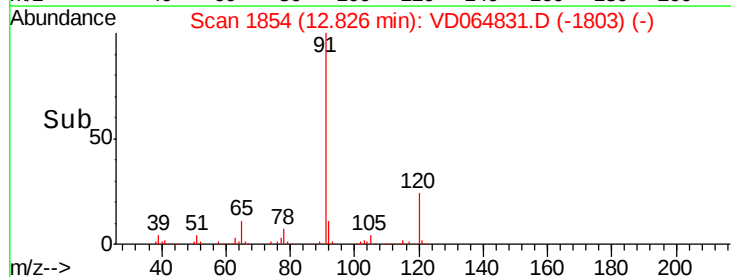
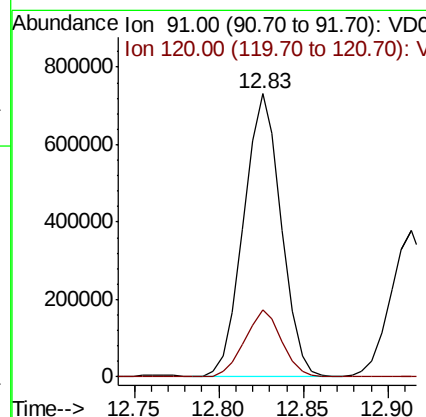
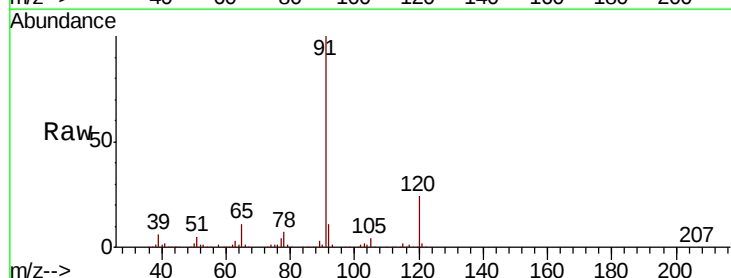
RT: 12.83 min Scan# 1854

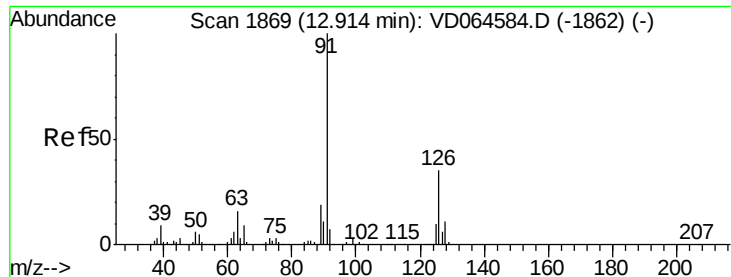
Delta R.T. 0.00 min

Lab File: VD064831.D

Acq: 10 Jan 2020 13:20

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.3	11.9	35.9





#79

2-Chlorotoluene

Concen: 54.752 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064831.D

Acq: 10 Jan 2020 13:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 608155

Ion Ratio Lower Upper

91 100

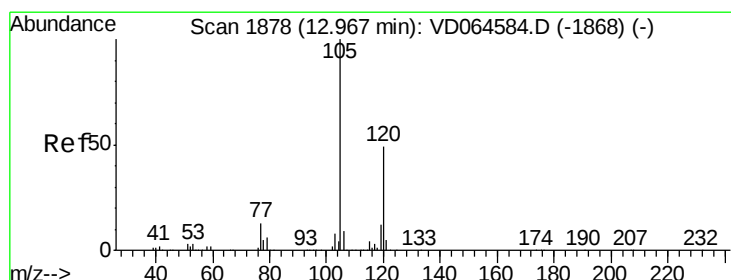
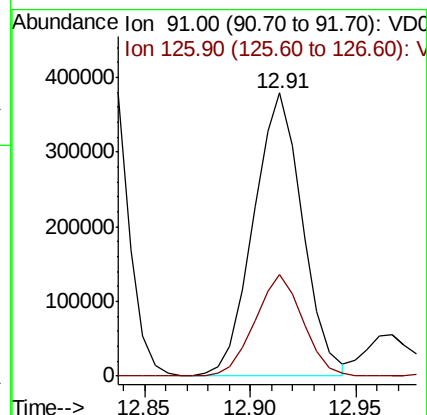
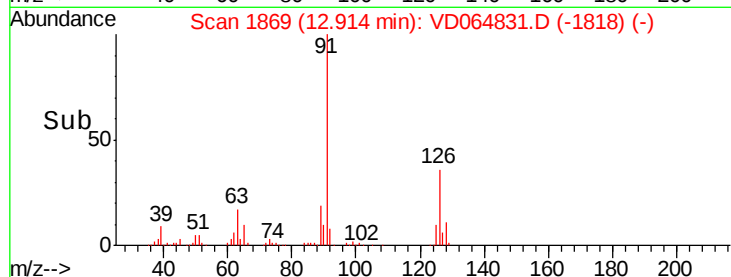
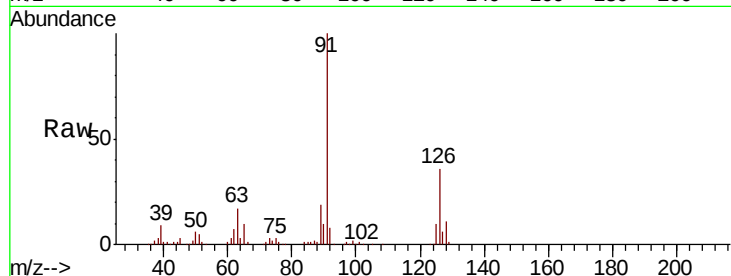
126 35.4 17.8 53.5

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#80

1,3,5-Trimethylbenzene

Concen: 54.390 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064831.D

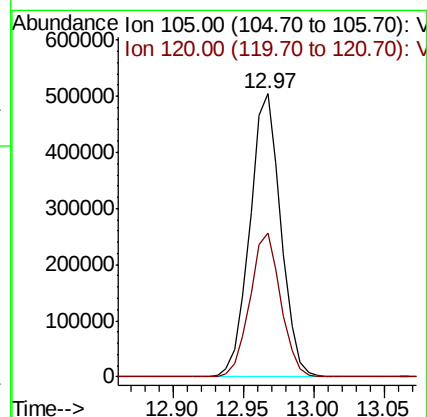
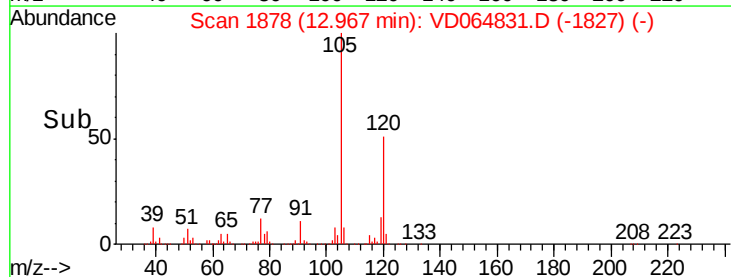
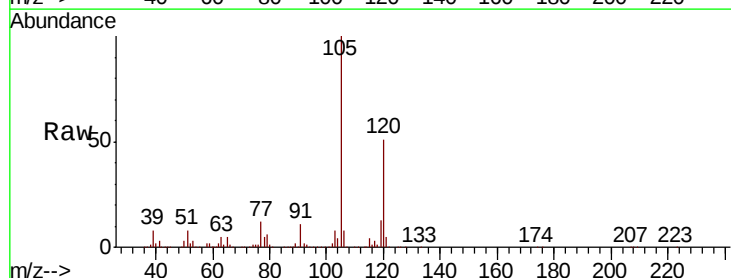
Acq: 10 Jan 2020 13:20

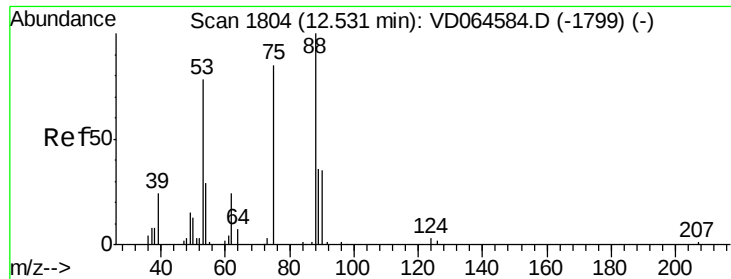
Tgt Ion: 105 Resp: 774352

Ion Ratio Lower Upper

105 100

120 50.6 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 53.220 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD064831.D

Acq: 10 Jan 2020 13:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 48733

Ion Ratio Lower Upper

75 100

53 101.6 78.8 118.2

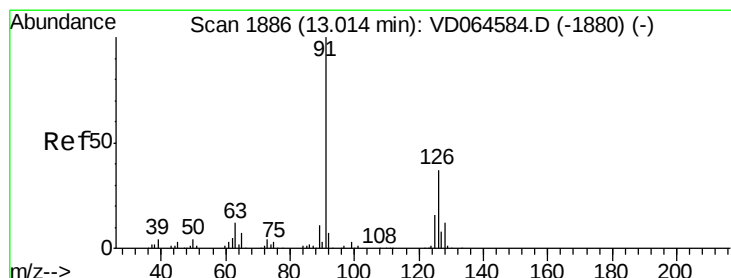
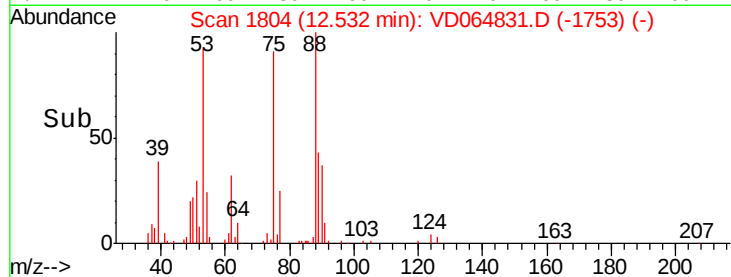
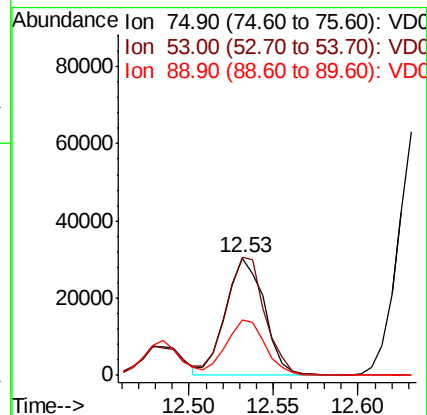
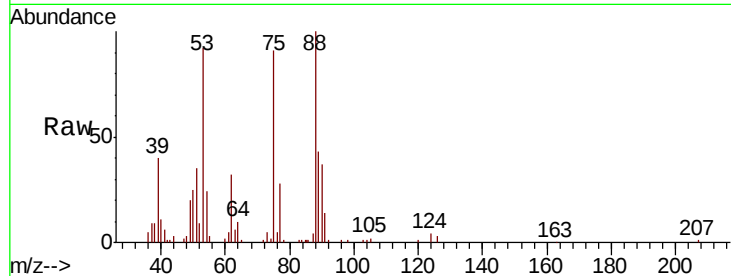
89 46.6 38.3 57.5

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#82

4-Chlorotoluene

Concen: 55.194 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VD064831.D

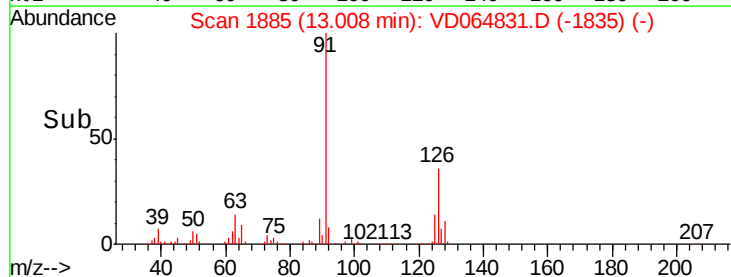
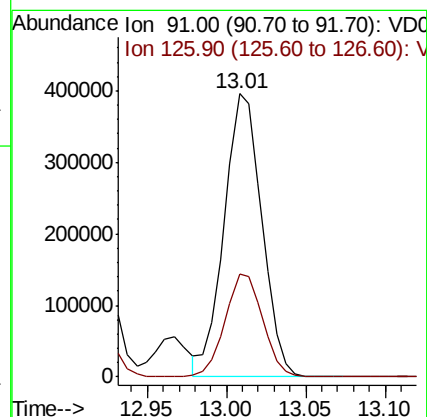
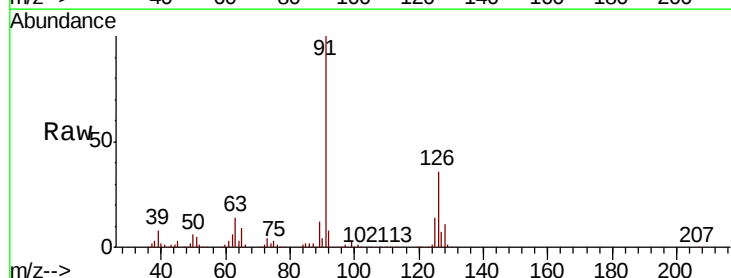
Acq: 10 Jan 2020 13:20

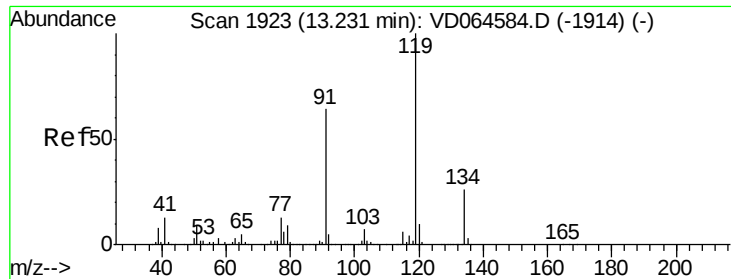
Tgt Ion: 91 Resp: 652410

Ion Ratio Lower Upper

91 100

126 36.2 17.8 53.5





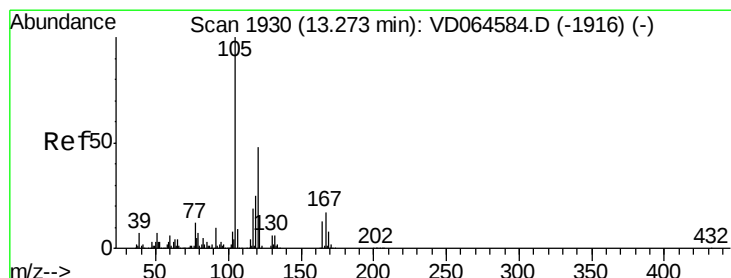
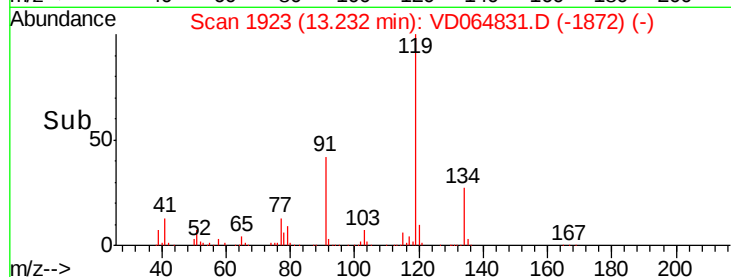
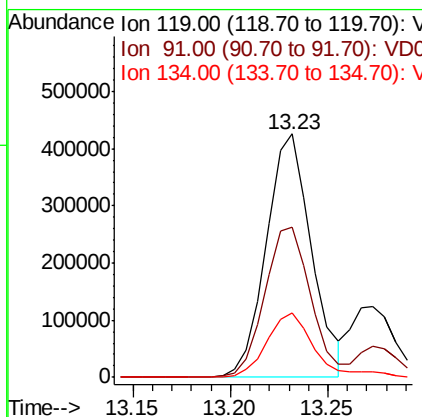
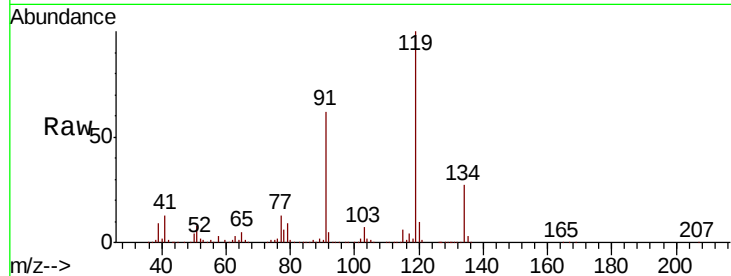
#83
tert-Butylbenzene
Concen: 55.429 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD064831.D
Acq: 10 Jan 2020 13:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.5	30.8	92.4
134	27.9	12.8	38.3

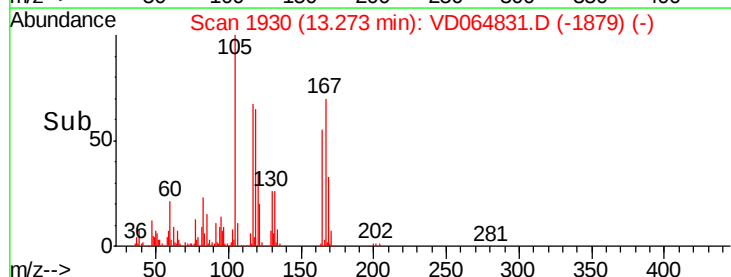
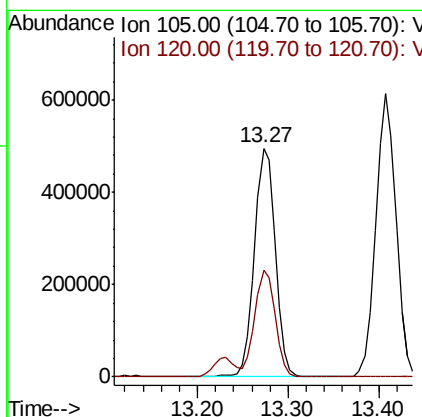
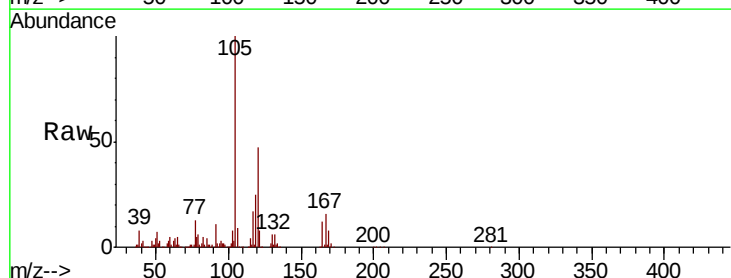
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#84
1,2,4-Trimethylbenzene
Concen: 55.752 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD064831.D
Acq: 10 Jan 2020 13:20

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.6	23.8	71.2





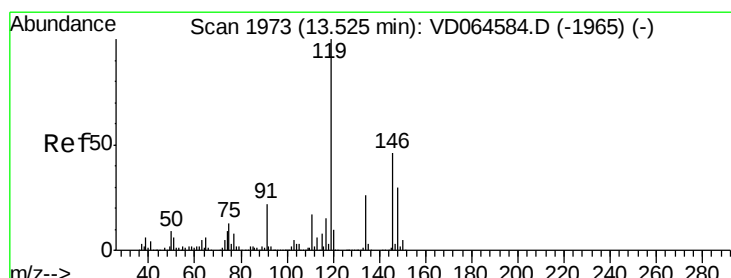
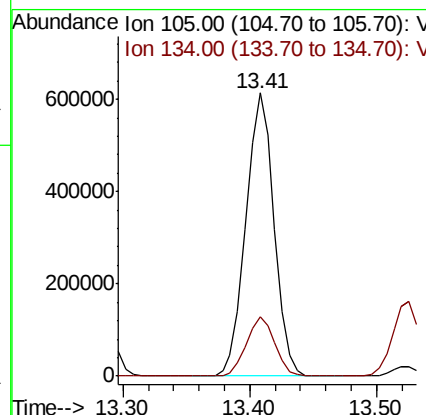
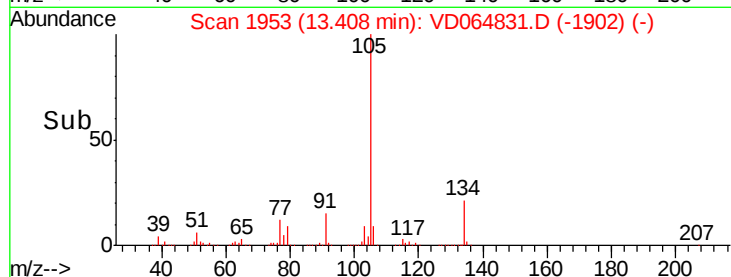
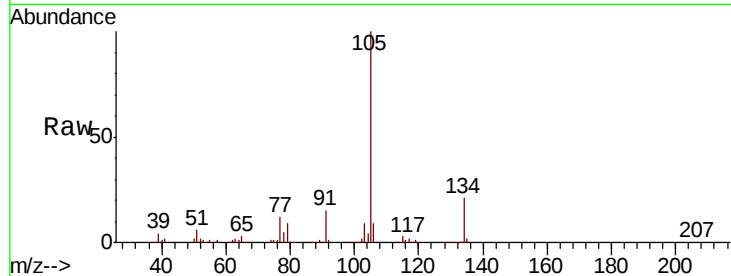
#85
 sec-Butylbenzene
 Concen: 55.862 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD064831.D
 Acq: 10 Jan 2020 13:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.0	10.6	31.8

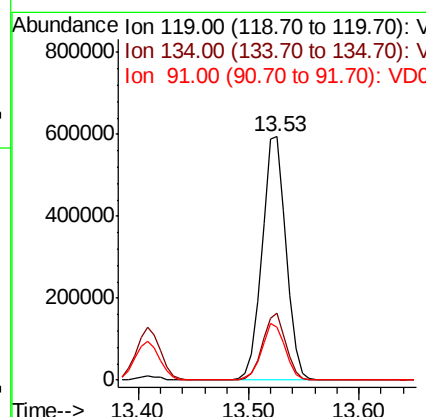
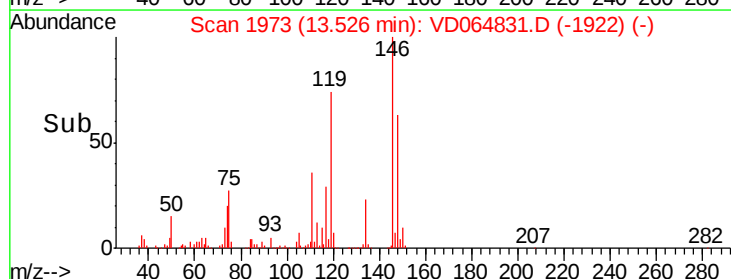
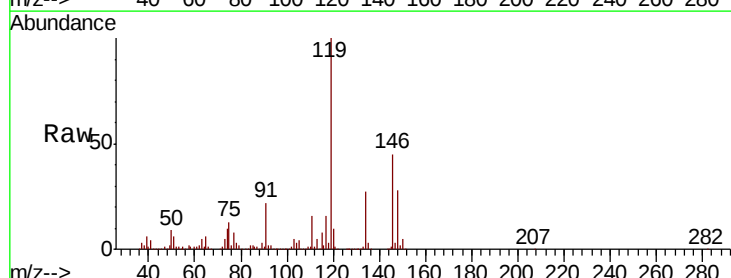
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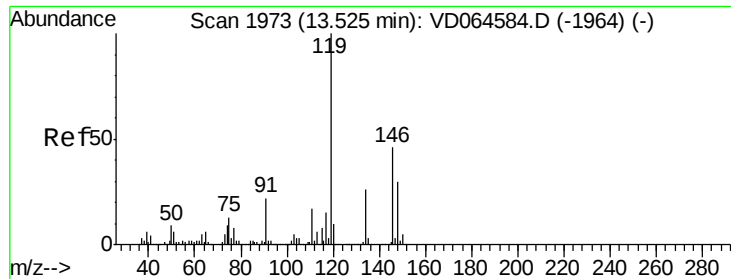
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#86
 p-Isopropyltoluene
 Concen: 55.759 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064831.D
 Acq: 10 Jan 2020 13:20

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.8	13.4	40.1
91	22.6	11.2	33.6





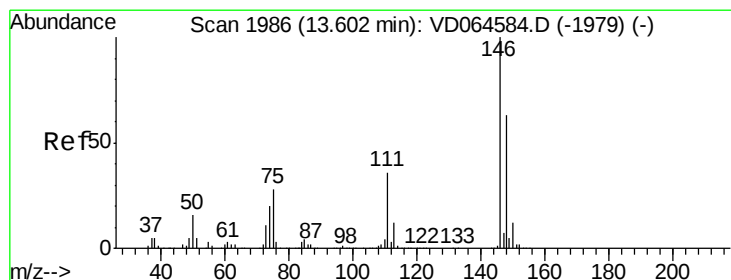
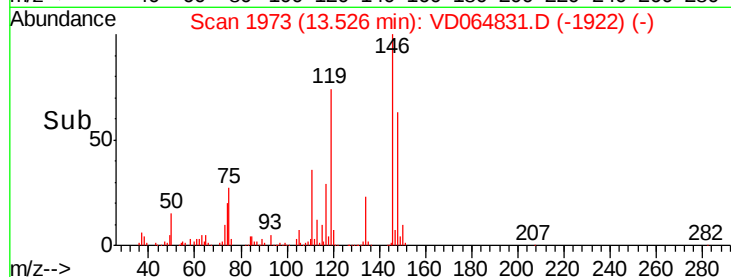
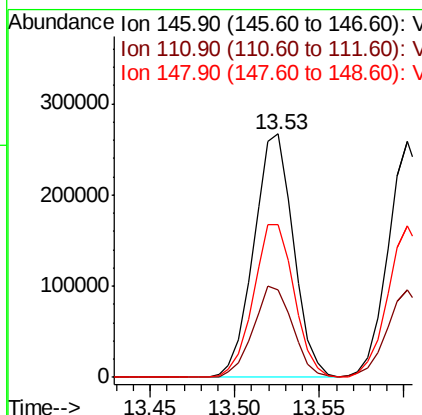
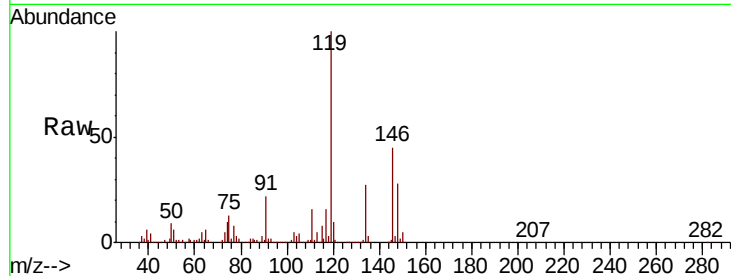
#87
 1,3-Dichlorobenzene
 Concen: 53.730 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064831.D
 Acq: 10 Jan 2020 13:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.8	56.4
148	64.4	32.5	97.5

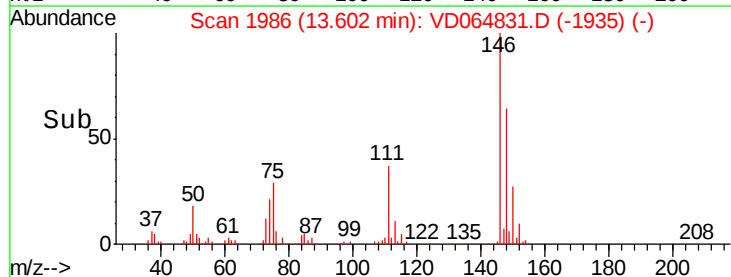
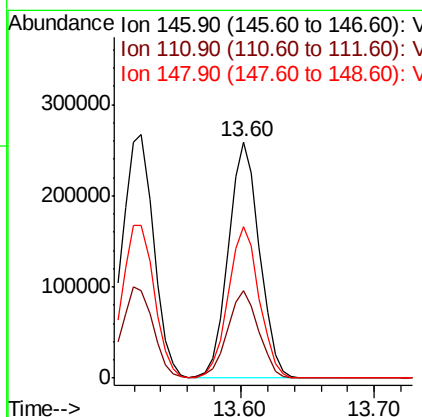
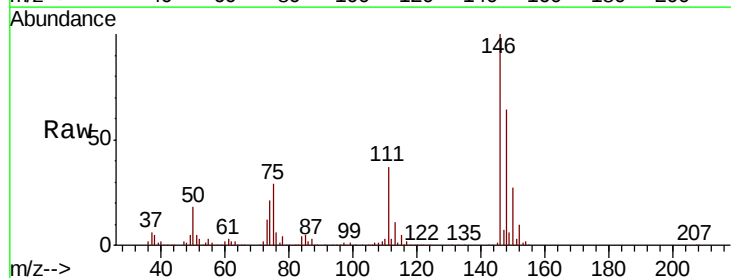
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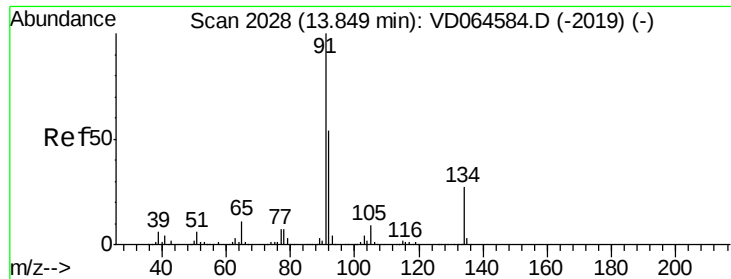
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#88
 1,4-Dichlorobenzene
 Concen: 52.743 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064831.D
 Acq: 10 Jan 2020 13:20

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.1	54.1
148	63.9	32.3	96.9





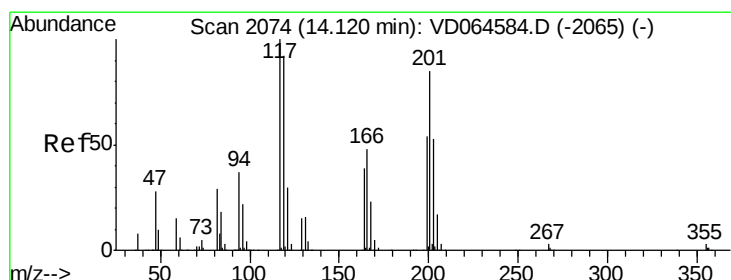
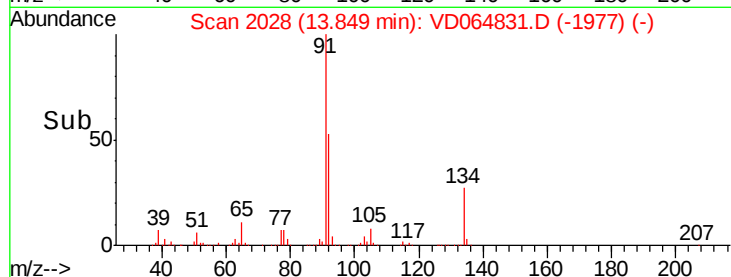
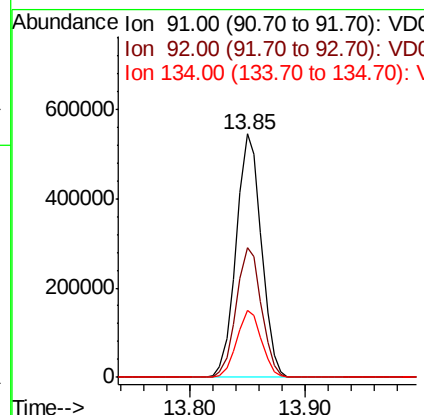
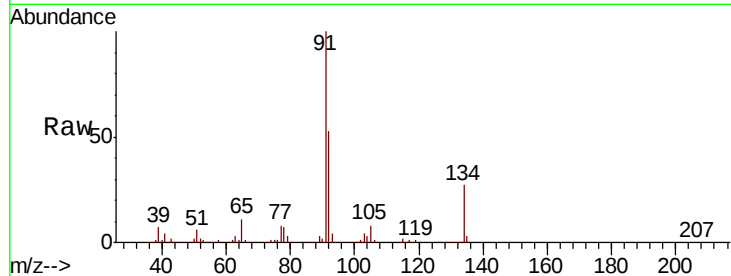
#89
n-Butylbenzene
Concen: 56.396 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD064831.D
Acq: 10 Jan 2020 13:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	53.1	26.8	80.4	
134	26.9	14.0	41.9	

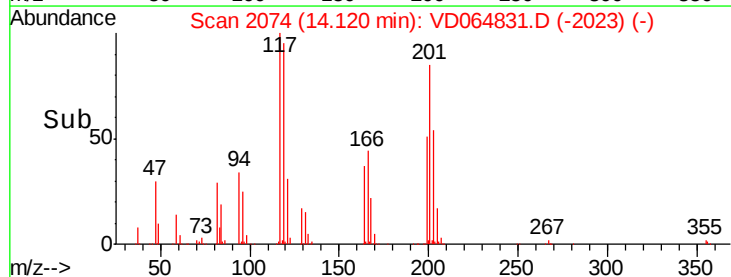
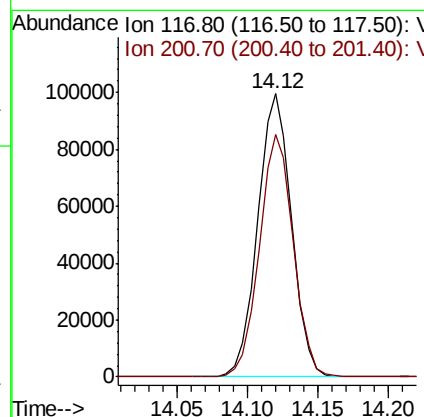
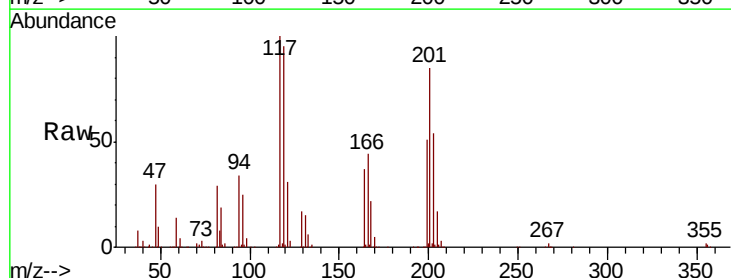
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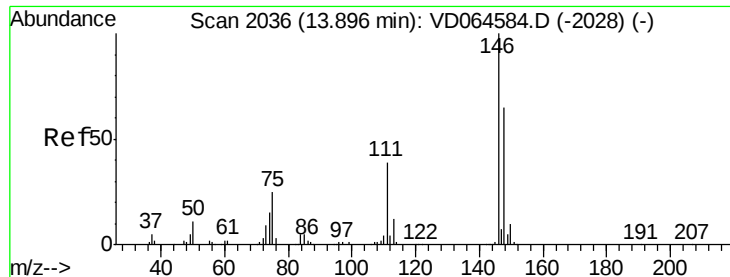
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#90
Hexachloroethane
Concen: 54.021 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064831.D
Acq: 10 Jan 2020 13:20

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	85.6	44.0	131.8	





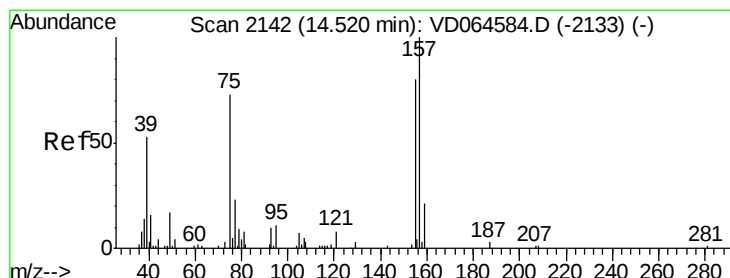
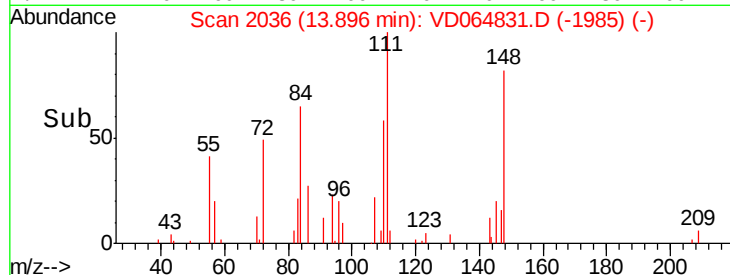
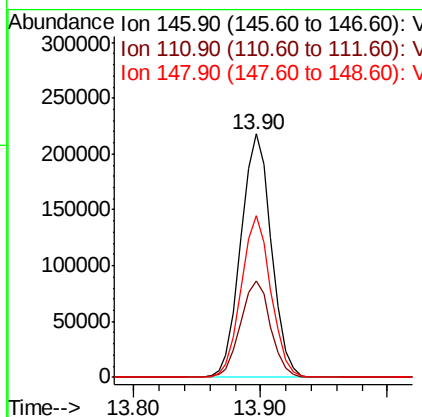
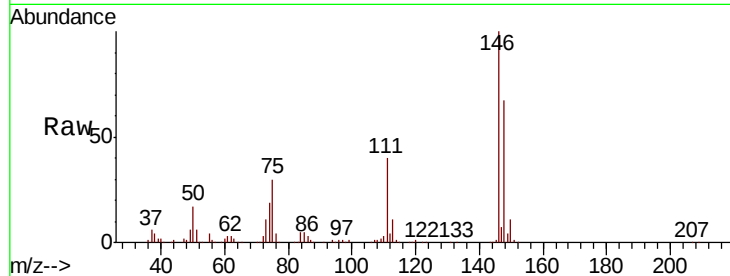
#91
 1,2-Dichlorobenzene
 Concen: 52.522 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064831.D
 Acq: 10 Jan 2020 13:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	363585		
111	38.9	19.3	57.9	
148	64.6	31.9	95.5	

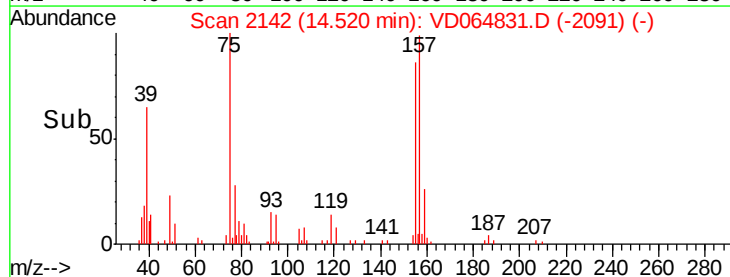
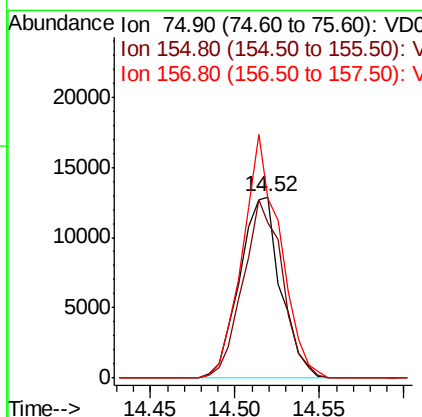
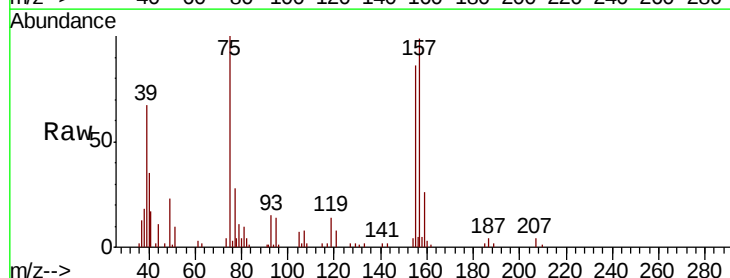
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.442 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD064831.D
 Acq: 10 Jan 2020 13:20

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	21822		
155	94.1	48.0	144.0	
157	122.2	64.1	192.3	





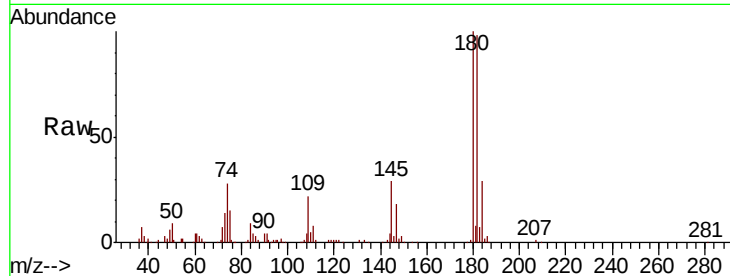
#93
 1,2,4-Trichlorobenzene
 Concen: 50.260 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD064831.D
 Acq: 10 Jan 2020 13:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	256183		
182	96.7	48.0	144.2	
145	28.6	13.8	41.4	

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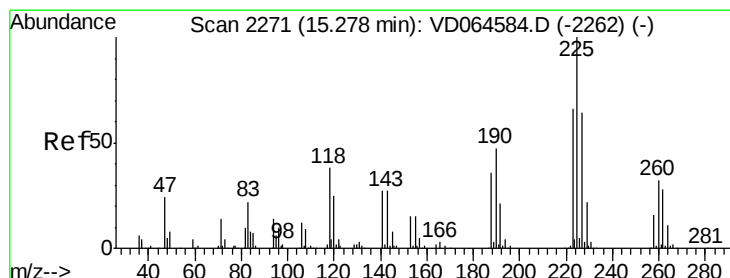
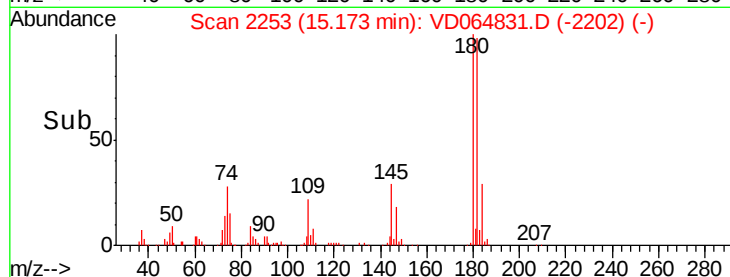
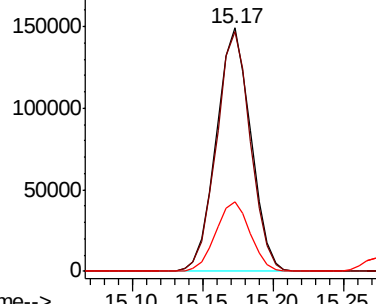


Abundance

Ion 179.80 (179.50 to 180.50): V

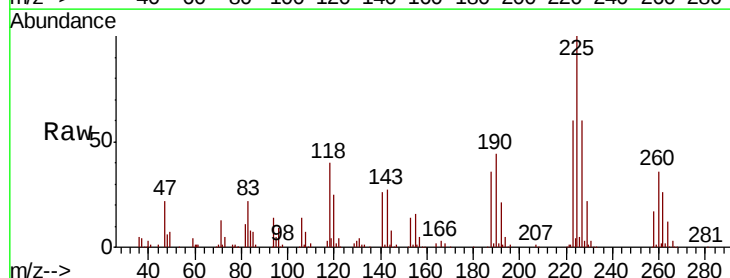
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 51.343 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064831.D
 Acq: 10 Jan 2020 13:20

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	164682		
223	62.5	31.1	93.2	
227	62.6	30.9	92.7	

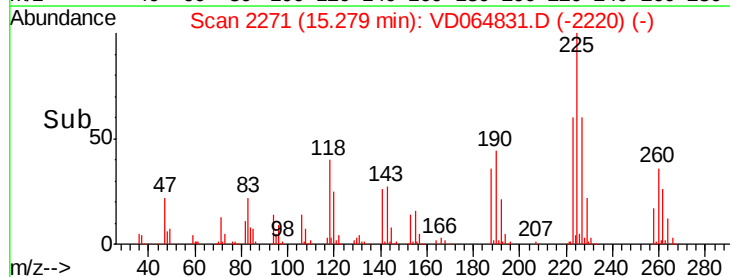
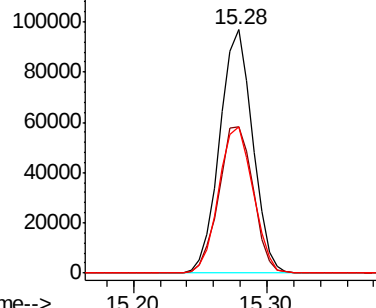


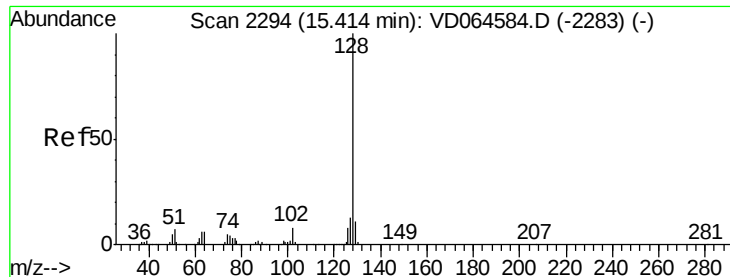
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





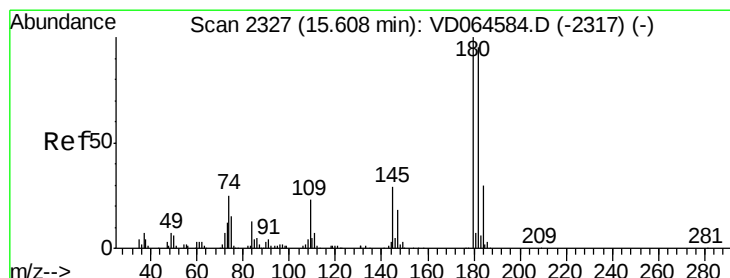
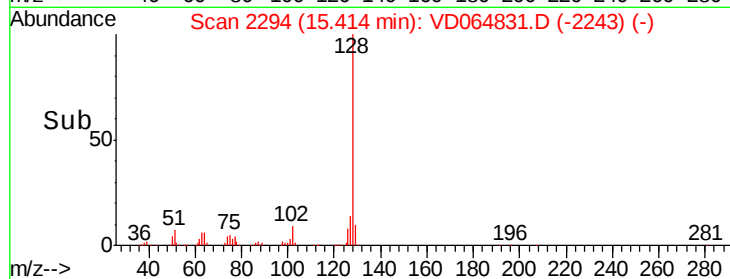
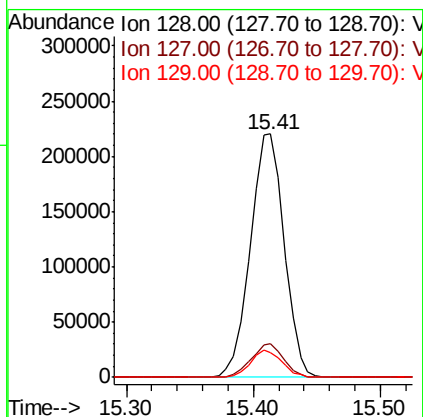
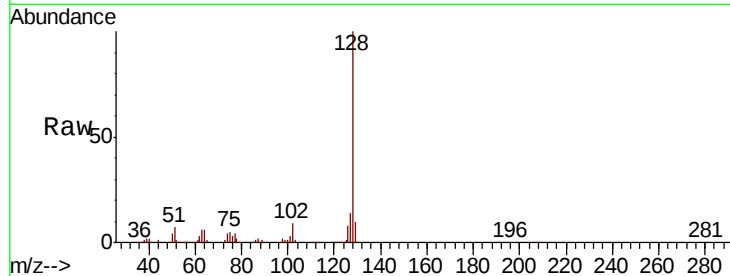
#95
Naphthalene
Concen: 50.878 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064831.D
Acq: 10 Jan 2020 13:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.3	15.5
129	10.5	8.5	12.7

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 51.001 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.01 min
Lab File: VD064831.D
Acq: 10 Jan 2020 13:20

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.0	47.9	143.7
145	29.4	14.9	44.7

