

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101620\
 Data File : VD067301.D
 Acq On : 16 Oct 2020 17:03
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/19/2020 11:09:32 AM

Quant Time: Oct 17 01:14:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 14 03:30:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	325593	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	493238	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	459572	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	234097	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	163288	50.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.12%	
35) Dibromofluoromethane	7.91	113	167224	50.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.88%	
50) Toluene-d8	10.34	98	603666	50.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.64%	
62) 4-Bromofluorobenzene	12.64	95	215745	52.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	118715	44.985	ug/l	98
3) Chloromethane	2.20	50	85976	41.958	ug/l	96
4) Vinyl Chloride	2.34	62	96562	42.948	ug/l	95
5) Bromomethane	2.77	94	73184	46.617	ug/l	99
6) Chloroethane	2.92	64	60388	43.128	ug/l	94
7) Trichlorofluoromethane	3.27	101	251454	44.415	ug/l	99
8) Diethyl Ether	3.70	74	59216	45.709	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	136398	45.347	ug/l	99
10) Methyl Iodide	4.30	142	117517	42.353	ug/l	96
11) Tert butyl alcohol	5.21	59	40303	234.892	ug/l #	93
12) 1,1-Dichloroethene	4.06	96	124492	46.328	ug/l	85
13) Acrolein	3.92	56	34591	183.721	ug/l	99
14) Allyl chloride	4.71	41	136317	44.297	ug/l	97
15) Acrylonitrile	5.43	53	105862	244.898	ug/l	98
16) Acetone	4.16	43	106429	232.969	ug/l	95
17) Carbon Disulfide	4.41	76	330808	43.183	ug/l	97
18) Methyl Acetate	4.71	43	49105	47.126	ug/l	94
19) Methyl tert-butyl Ether	5.48	73	263050	49.231	ug/l	97
20) Methylene Chloride	4.97	84	139541	47.457	ug/l #	89
21) trans-1,2-Dichloroethene	5.47	96	145902	47.182	ug/l	97
22) Diisopropyl ether	6.37	45	272896	48.545	ug/l	93
23) Vinyl Acetate	6.31	43	823373	257.448	ug/l	99
24) 1,1-Dichloroethane	6.26	63	223895	46.528	ug/l	98
25) 2-Butanone	7.21	43	129483	248.648	ug/l	93
26) 2,2-Dichloropropane	7.21	77	229031	46.176	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	159488	47.059	ug/l	98
28) Bromochloromethane	7.55	49	82531	50.283	ug/l	100
29) Tetrahydrofuran	7.56	42	72955	252.027	ug/l	96
30) Chloroform	7.71	83	272448	47.394	ug/l	91
31) Cyclohexane	7.98	56	163616	43.549	ug/l	99
32) 1,1,1-Trichloroethane	7.90	97	262658	46.569	ug/l	97
36) 1,1-Dichloropropene	8.11	75	192208	45.977	ug/l	99
37) Ethyl Acetate	7.30	43	60236	48.973	ug/l #	91
38) Carbon Tetrachloride	8.10	117	249645	46.723	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	206454	47.239	ug/l	97
40) Benzene	8.36	78	538771	46.977	ug/l	99
41) Methacrylonitrile	7.53	41	29005	43.638	ug/l	99
42) 1,2-Dichloroethane	8.43	62	172881	48.168	ug/l	100
43) Isopropyl Acetate	8.46	43	117691	48.222	ug/l	99
44) Trichloroethene	9.11	130	172405	46.951	ug/l	99
45) 1,2-Dichloropropane	9.39	63	125507	47.219	ug/l	97
46) Dibromomethane	9.48	93	80147	48.396	ug/l	92
47) Bromodichloromethane	9.66	83	209720	47.267	ug/l	95
48) Methyl methacrylate	9.46	41	57206	48.232	ug/l	96
49) 1,4-Dioxane	9.47	88	15524	967.683	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	301330	247.540	ug/l	100
52) Toluene	10.41	92	380882	48.760	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	188450	48.350	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	223274	48.948	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	108683	48.127	ug/l	98
56) Ethyl methacrylate	10.67	69	119991	51.233	ug/l	98
57) 1,3-Dichloropropane	10.95	76	176036	48.982	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.94	63	305223	254.040	ug/l	96
59) 2-Hexanone	10.99	43	209942	252.389	ug/l	98
60) Dibromochloromethane	11.14	129	158744	48.201	ug/l	99
61) 1,2-Dibromoethane	11.25	107	106528	47.849	ug/l	98
64) Tetrachloroethene	10.88	164	152719	45.865	ug/l	94
65) Chlorobenzene	11.67	112	419967	47.654	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	168531	48.116	ug/l	99
67) Ethyl Benzene	11.75	91	724632	47.967	ug/l	100
68) m/p-Xylenes	11.86	106	555502	95.490	ug/l	99
69) o-Xylene	12.18	106	258549	47.995	ug/l	96
70) Styrene	12.20	104	450172	48.545	ug/l	99
71) Bromoform	12.37	173	89439	47.531	ug/l #	99
73) Isopropylbenzene	12.48	105	732231	49.284	ug/l	99
74) N-amyl acetate	12.29	43	109915	48.983	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	108108	47.489	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	81357m	50.143	ug/l	
77) Bromobenzene	12.77	156	174529	47.118	ug/l	99
78) n-propylbenzene	12.83	91	831477	48.302	ug/l	100
79) 2-Chlorotoluene	12.91	91	477286	47.811	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	627998	48.641	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	35018	48.943	ug/l	92
82) 4-Chlorotoluene	13.01	91	503744	47.544	ug/l	100
83) tert-Butylbenzene	13.23	119	539013	49.423	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	622726	48.800	ug/l	100
85) sec-Butylbenzene	13.41	105	712068	47.583	ug/l	100
86) p-Isopropyltoluene	13.52	119	679688	48.120	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	337281	47.308	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	334920	47.415	ug/l	99
89) n-Butylbenzene	13.85	91	600798	48.349	ug/l	100
90) Hexachloroethane	14.12	117	114768	46.562	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	292150	46.907	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	19280	46.618	ug/l	96

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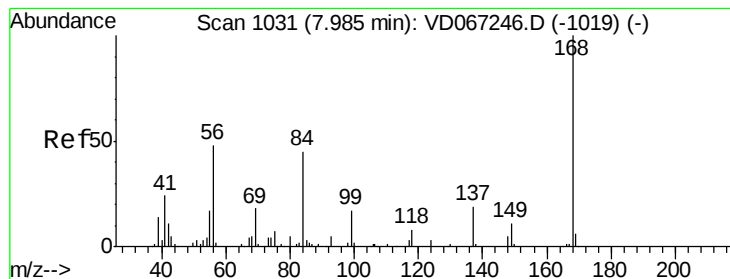
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	208547	49.663	ug/l	97
94) Hexachlorobutadiene	15.27	225	127037	48.716	ug/l	98
95) Naphthalene	15.41	128	351923	51.044	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	181751	50.100	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067301.D

Acq: 16 Oct 2020 17:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 325593

Ion Ratio Lower Upper

168 100

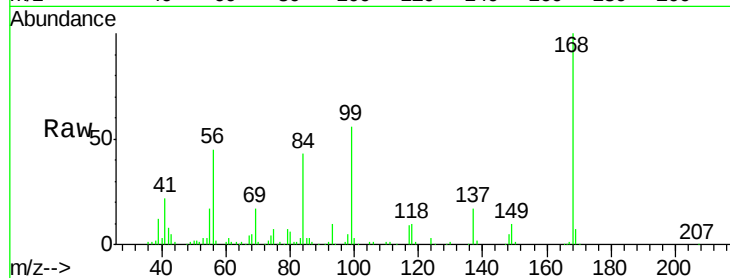
99 55.5 45.9 68.9

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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

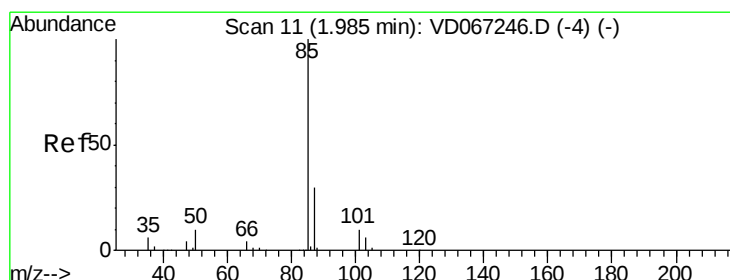
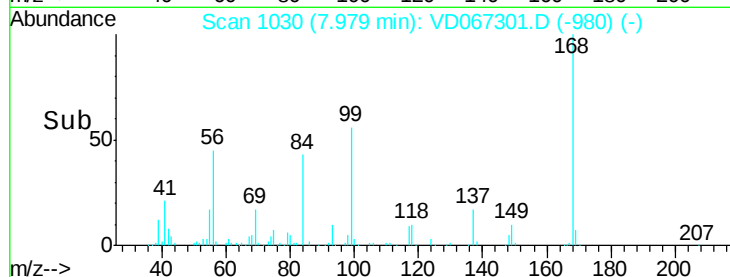
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 44.985 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067301.D

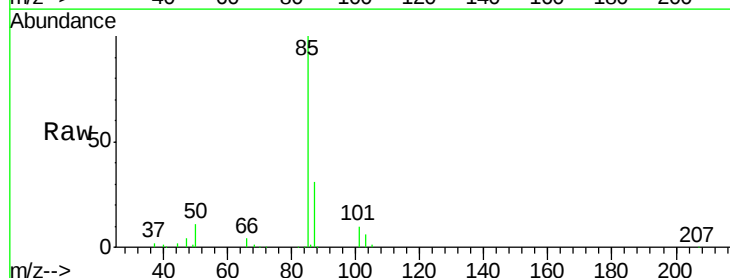
Acq: 16 Oct 2020 17:03

Tgt Ion: 85 Resp: 118715

Ion Ratio Lower Upper

85 100

87 31.4 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

100000

80000

60000

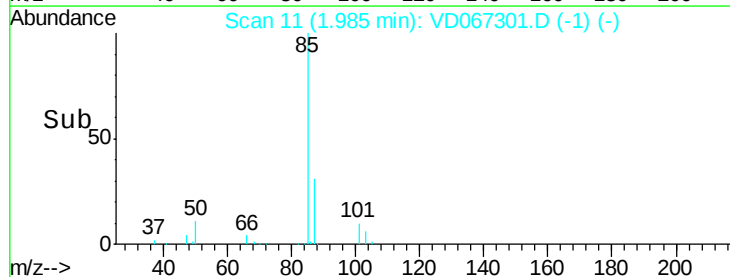
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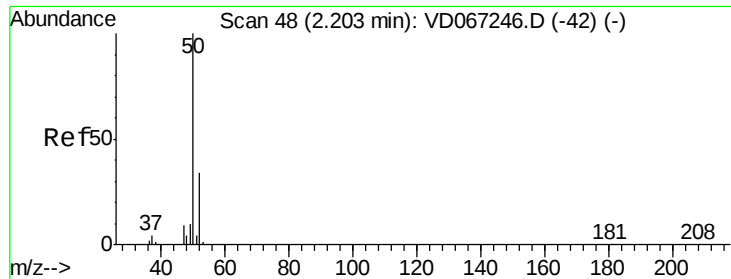
20000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 41.958 ug/l

RT: 2.20 min Scan# 48

Delta R.T. 0.00 min

Lab File: VD067301.D

Acq: 16 Oct 2020 17:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 85976

Ion Ratio Lower Upper

50 100

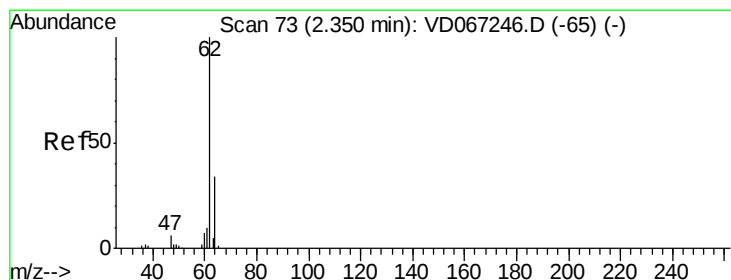
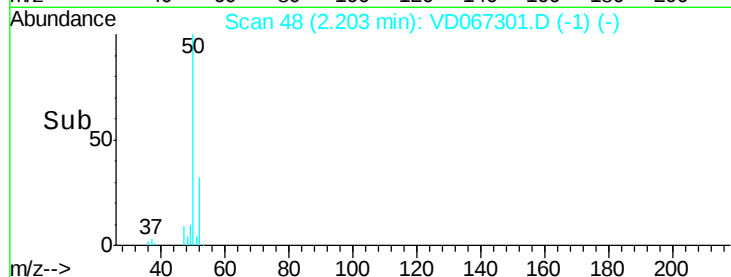
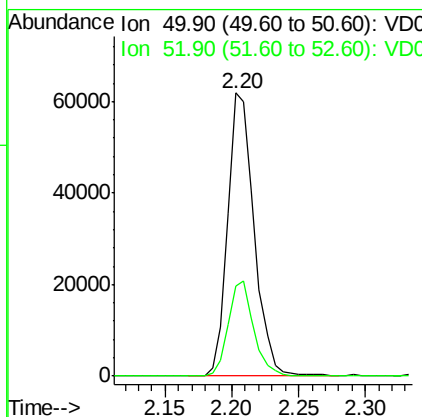
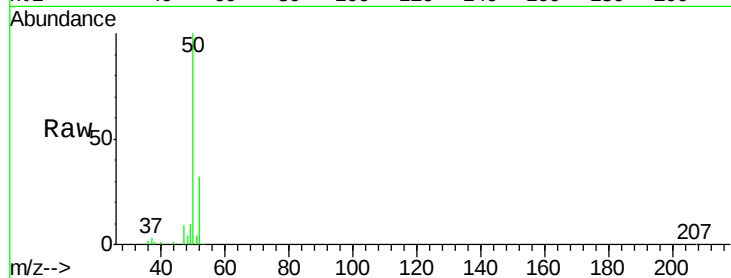
52 31.8 27.1 40.7

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#4

Vinyl Chloride

Concen: 42.948 ug/l

RT: 2.34 min Scan# 72

Delta R.T. -0.01 min

Lab File: VD067301.D

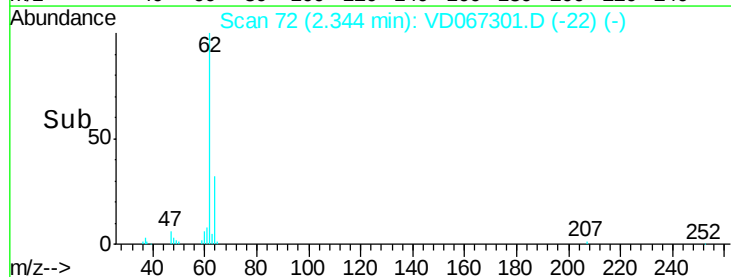
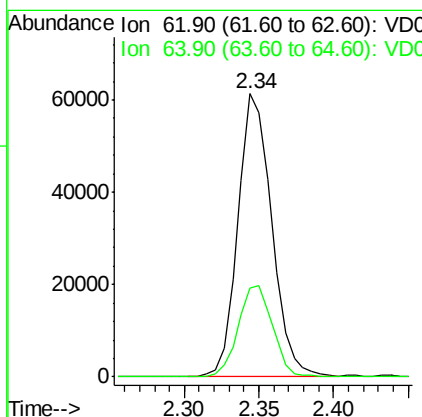
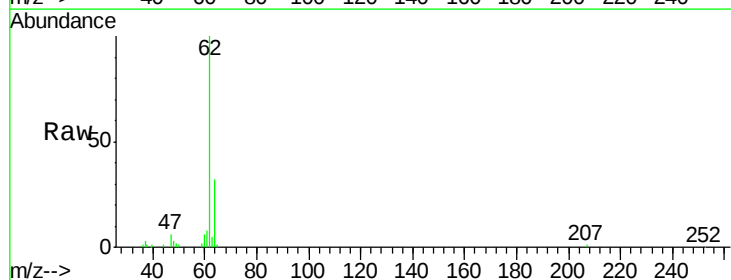
Acq: 16 Oct 2020 17:03

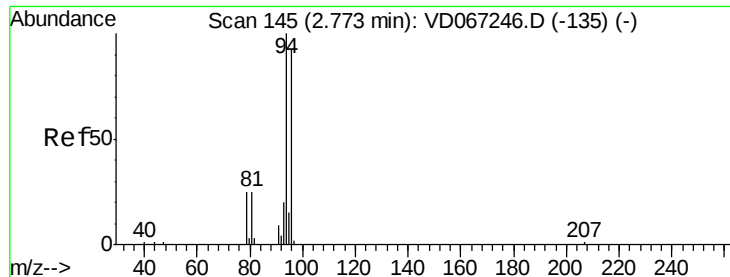
Tgt Ion: 62 Resp: 96562

Ion Ratio Lower Upper

62 100

64 31.6 27.4 41.0





#5

Bromomethane

Concen: 46.617 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD067301.D

Acq: 16 Oct 2020 17:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 73184

Ion Ratio Lower Upper

94 100

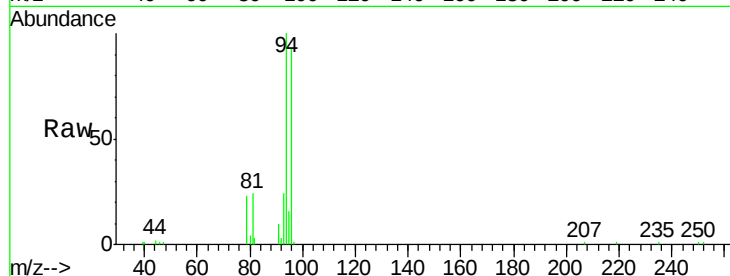
96 93.0 73.8 110.6

Manual Integrations

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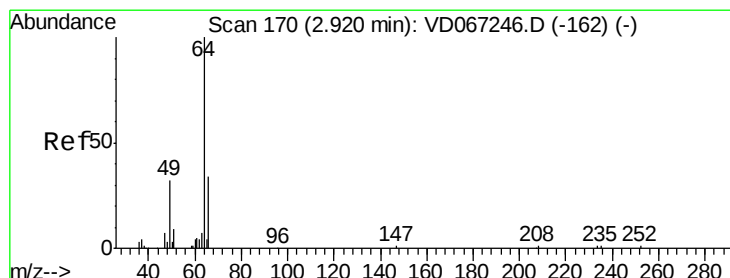
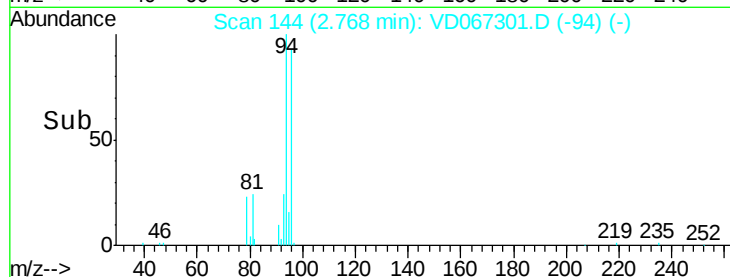
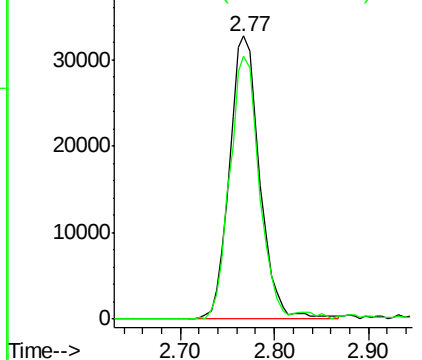
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 43.128 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD067301.D

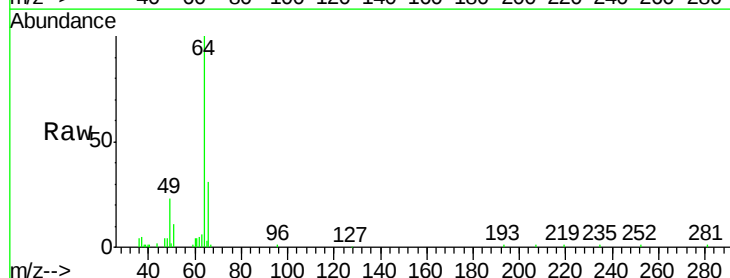
Acq: 16 Oct 2020 17:03

Tgt Ion: 64 Resp: 60388

Ion Ratio Lower Upper

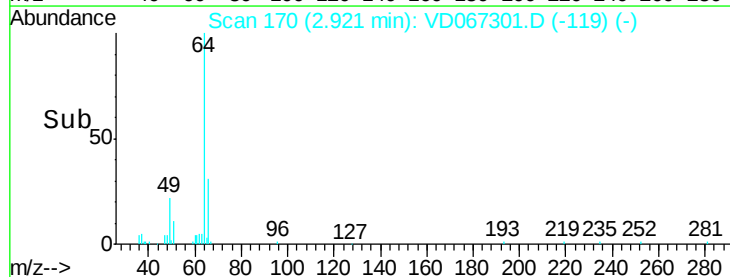
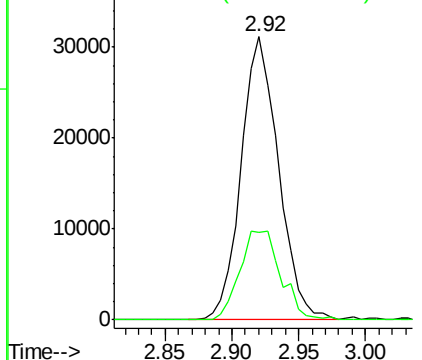
64 100

66 31.0 27.4 41.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

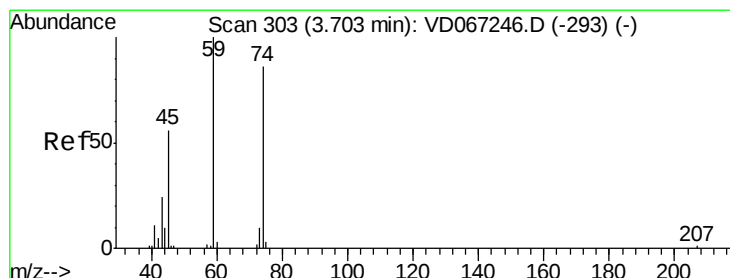
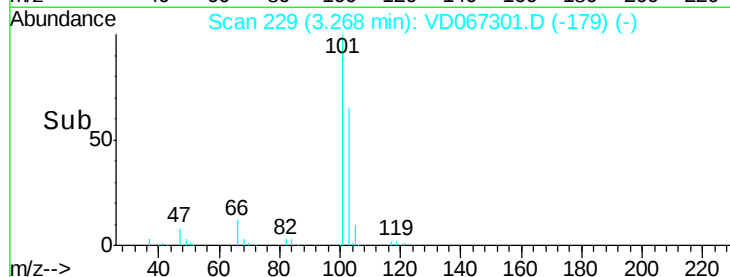
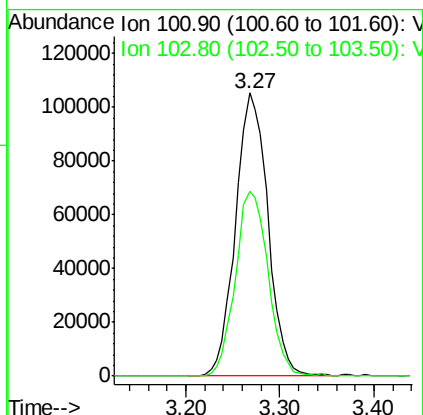
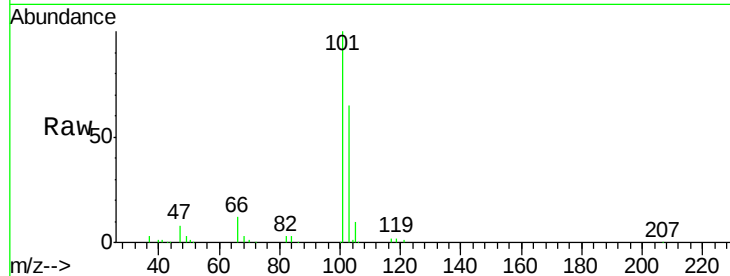
Trichlorofluoromethane
Concen: 44.415 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD067301.D
Acq: 16 Oct 2020 17:03

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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.4	53.1	79.7

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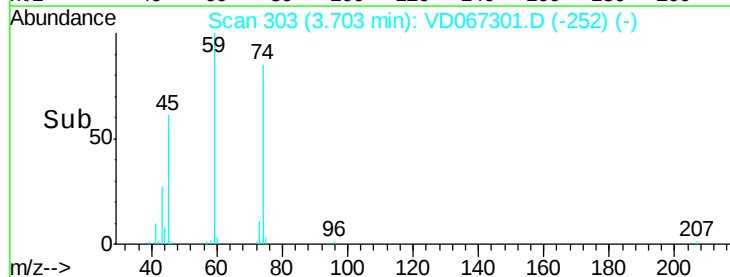
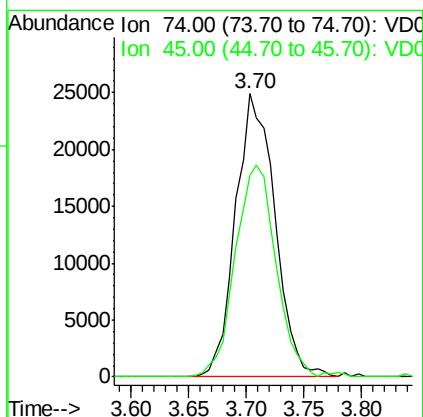
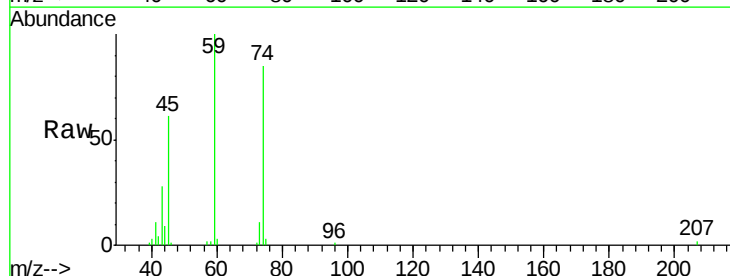
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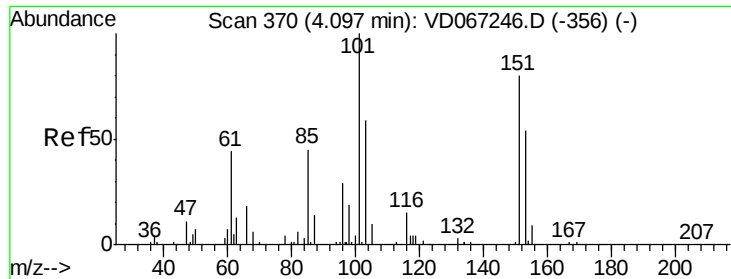


#8

Diethyl Ether
Concen: 45.709 ug/l
RT: 3.70 min Scan# 303
Delta R.T. 0.00 min
Lab File: VD067301.D
Acq: 16 Oct 2020 17:03

Tgt Ion	Ratio	Lower	Upper
74	100		
45	77.0	37.0	111.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.347 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD067301.D

Acq: 16 Oct 2020 17:03

Instrument :

MSVOA_D

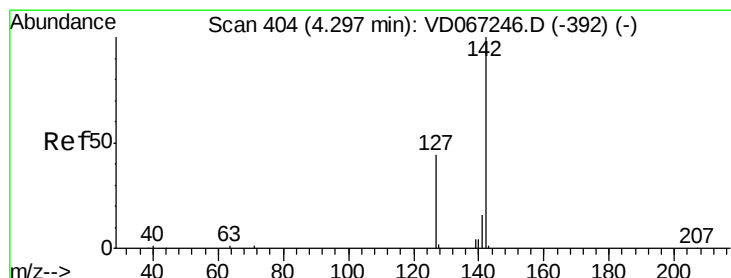
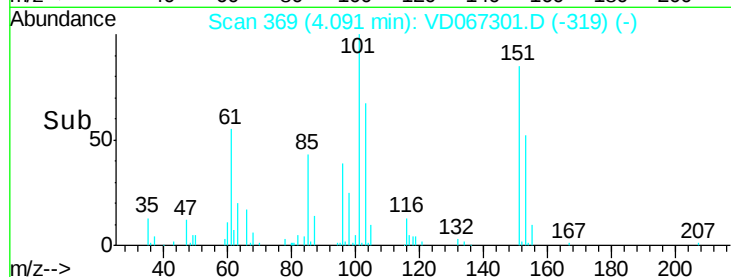
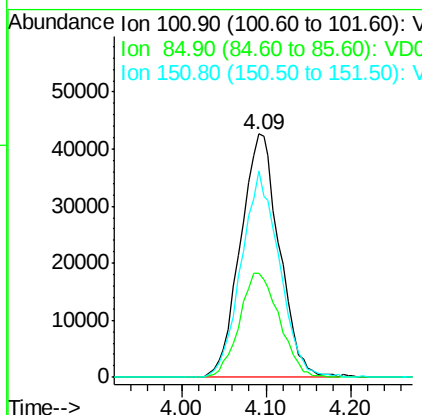
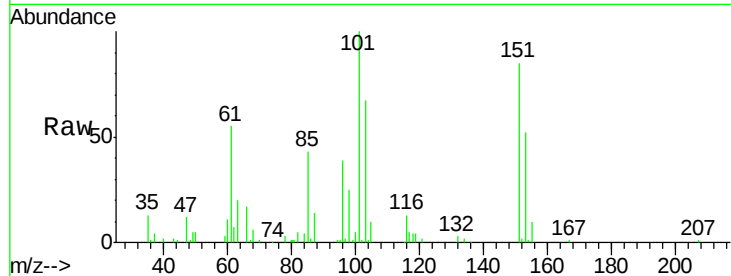
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	136398
Ion Ratio	Lower	Upper	
101	100		
85	43.9	34.2	51.4
151	82.9	66.3	99.5

Manual Integrations
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10/19/2020 11:09:32 AM



#10

Methyl Iodide

Concen: 42.353 ug/l

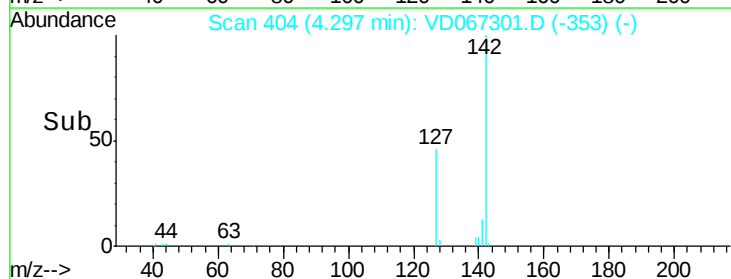
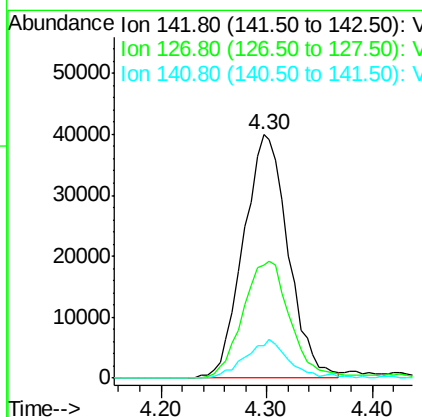
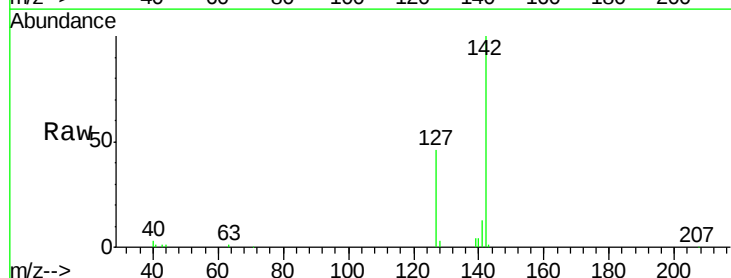
RT: 4.30 min Scan# 404

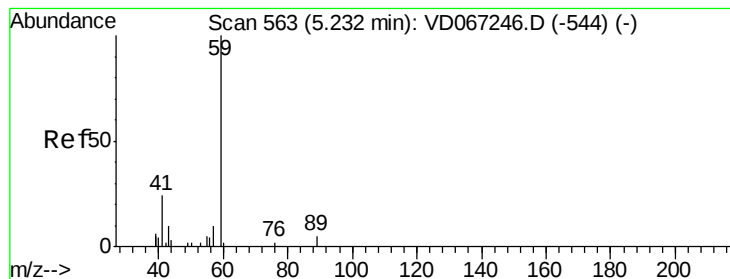
Delta R.T. 0.00 min

Lab File: VD067301.D

Acq: 16 Oct 2020 17:03

Tgt Ion:	142	Resp:	117517
Ion Ratio	Lower	Upper	
142	100		
127	50.9	38.4	57.6
141	15.4	11.6	17.4





#11

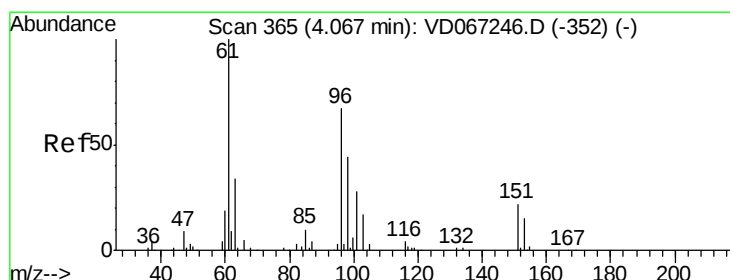
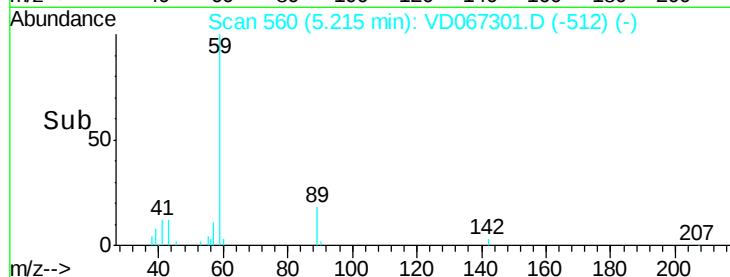
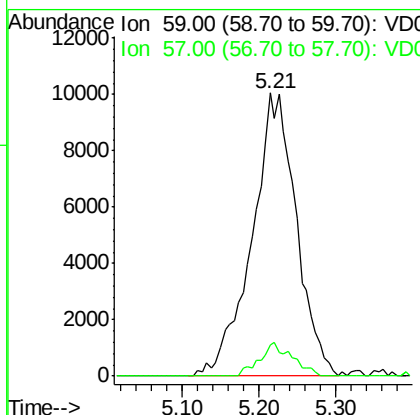
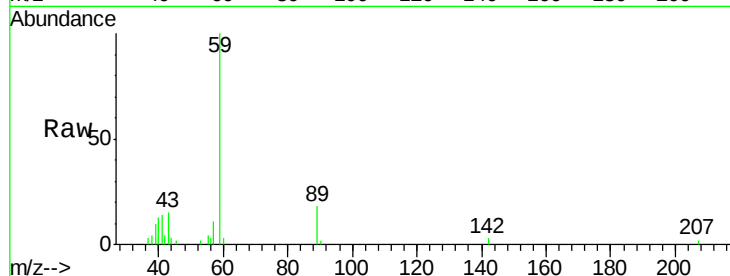
Tert butyl alcohol
Concen: 234.892 ug/l
RT: 5.21 min Scan# 560
Delta R.T. -0.02 min
Lab File: VD067301.D
Acq: 16 Oct 2020 17:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	40303		
57	57	8.7		5.1	7.7#

Manual Integrations
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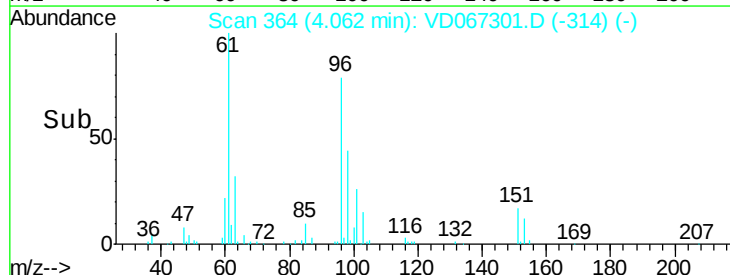
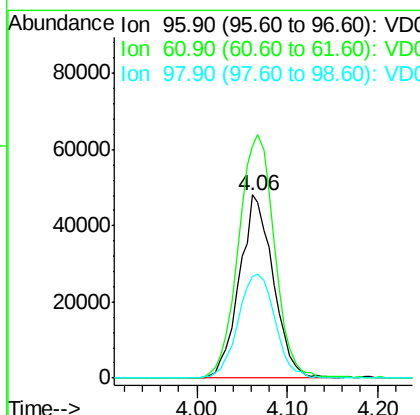
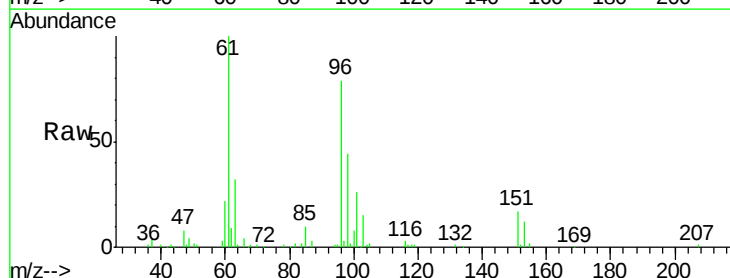
MMDadoda
10/19/2020 11:09:32 AM

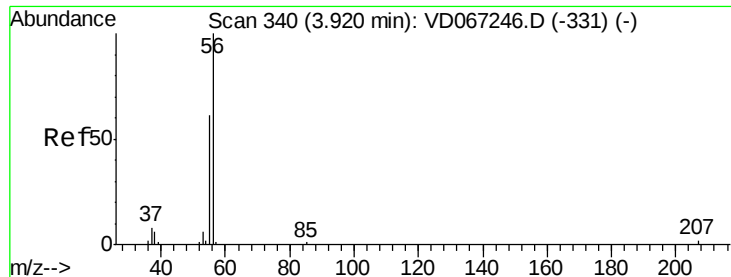


#12

1,1-Dichloroethene
Concen: 46.328 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.01 min
Lab File: VD067301.D
Acq: 16 Oct 2020 17:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100	124492		
61	61	127.0		118.6	177.8
98	98	55.6		51.8	77.6





#13

Acrolein

Concen: 183.721 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD067301.D

Acq: 16 Oct 2020 17:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 34591

Ion Ratio Lower Upper

56 100

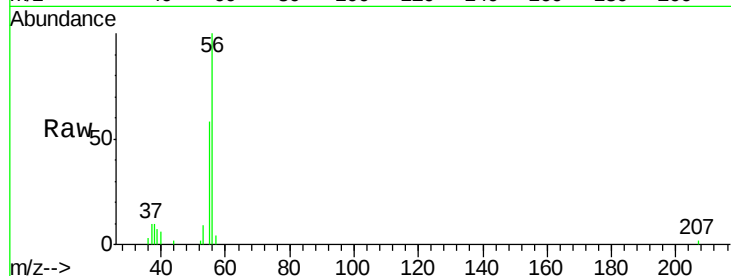
55 68.8 56.0 84.0

Manual Integrations

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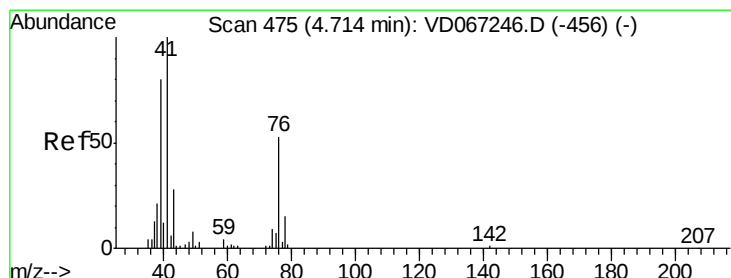
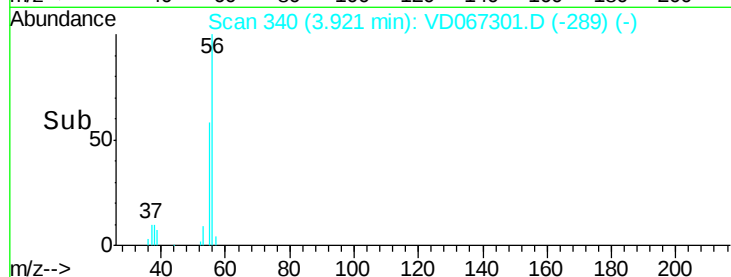
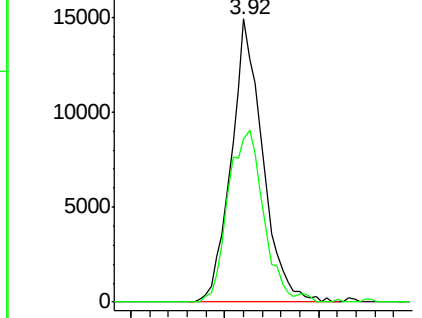
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 44.297 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD067301.D

Acq: 16 Oct 2020 17:03

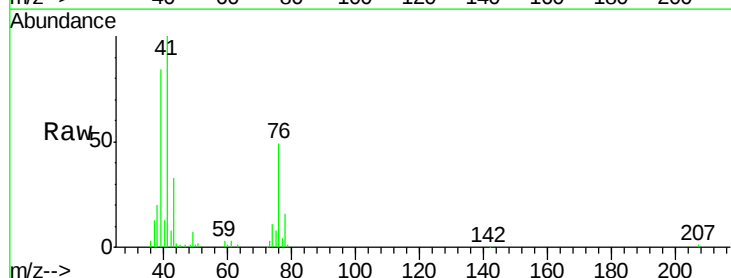
Tgt Ion: 41 Resp: 136317

Ion Ratio Lower Upper

41 100

39 83.9 63.8 95.6

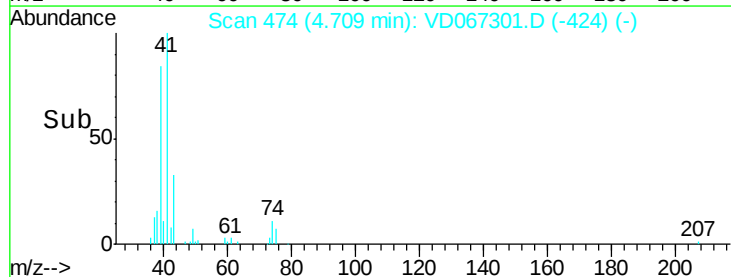
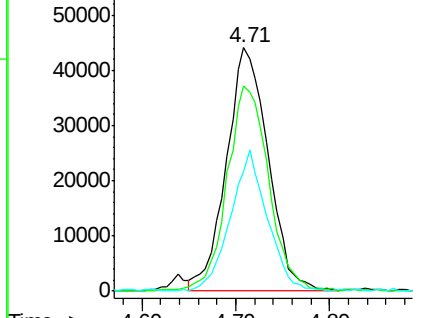
76 51.0 40.4 60.6

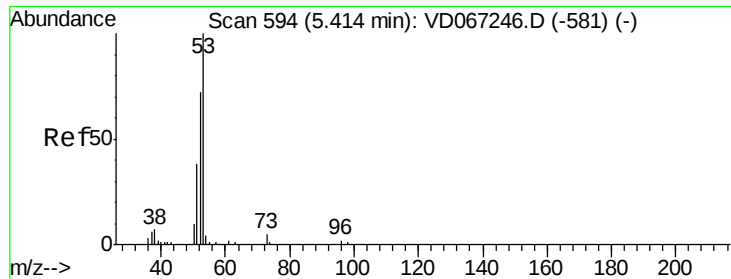


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 244.898 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.01 min

Lab File: VD067301.D

Acq: 16 Oct 2020 17:03

Instrument :

MSVOA_D

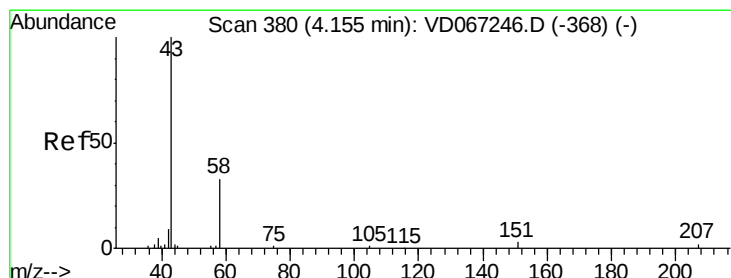
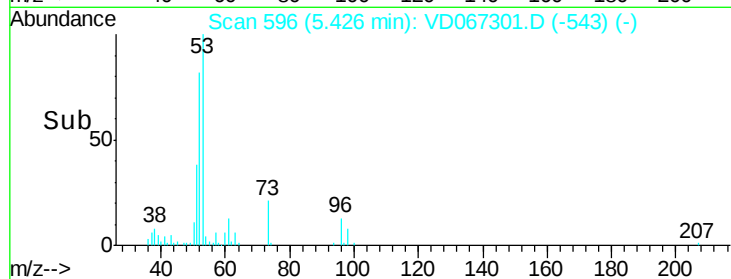
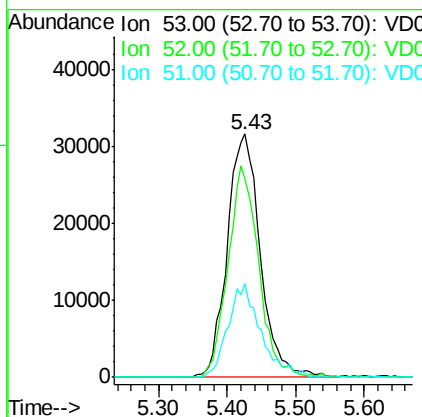
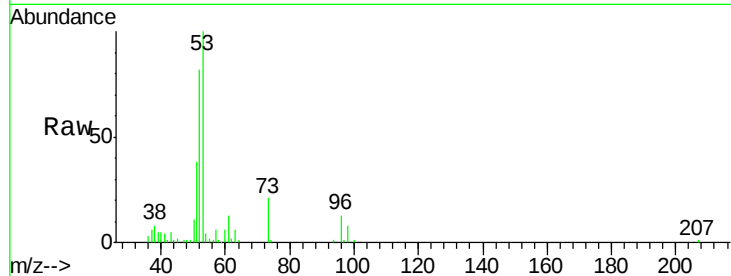
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	105862
Ion Ratio	Lower	Upper	
53	100		
52	80.4	65.6	98.4
51	37.9	30.8	46.2

Manual Integrations
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#16

Acetone

Concen: 232.969 ug/l

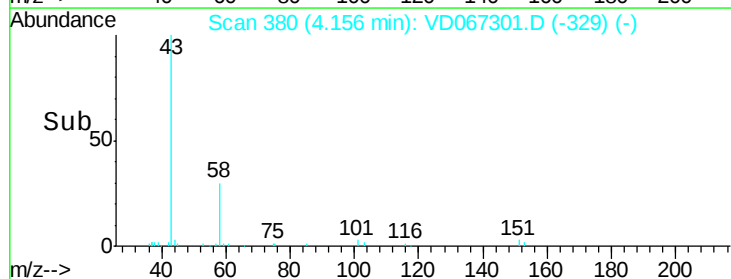
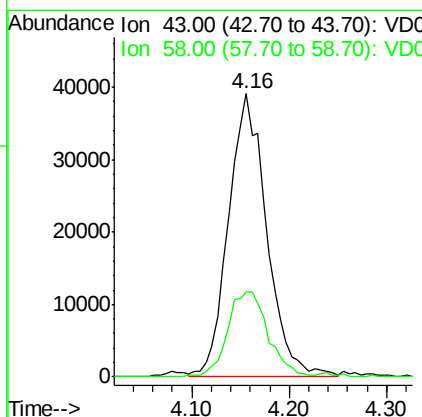
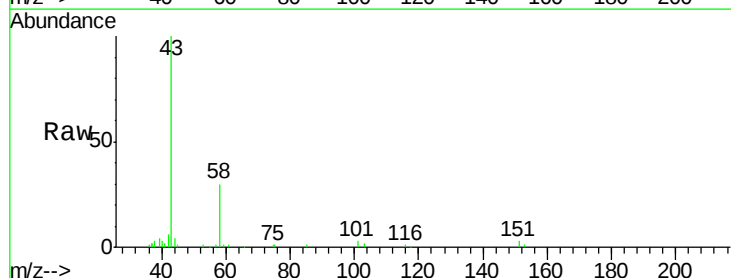
RT: 4.16 min Scan# 380

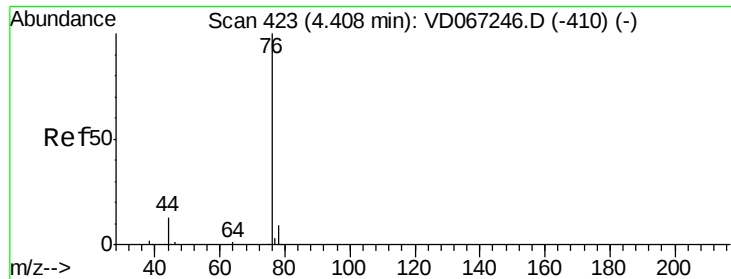
Delta R.T. 0.00 min

Lab File: VD067301.D

Acq: 16 Oct 2020 17:03

Tgt Ion:	43	Resp:	106429
Ion Ratio	Lower	Upper	
43	100		
58	29.6	26.1	39.1





#17

Carbon Disulfide

Concen: 43.183 ug/l

RT: 4.41 min Scan# 423

Delta R.T. 0.00 min

Lab File: VD067301.D

Acq: 16 Oct 2020 17:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 330808

Ion Ratio Lower Upper

76 100

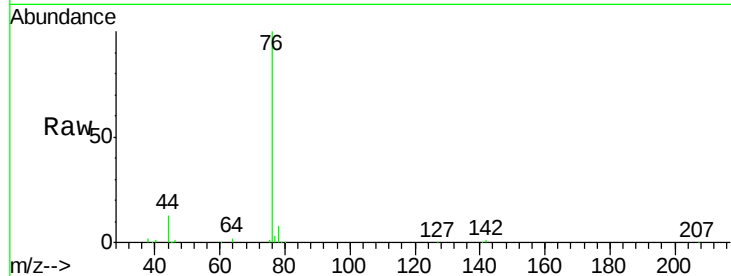
78 8.1 7.4 11.0

Manual Integrations

APPROVED

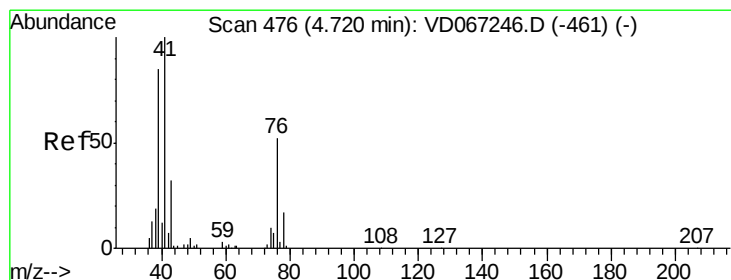
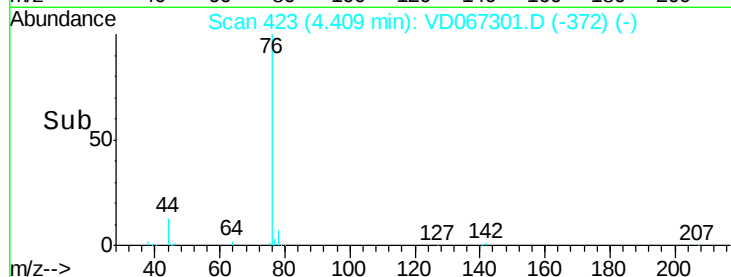
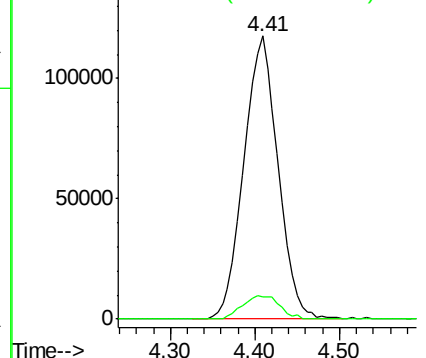
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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 47.126 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD067301.D

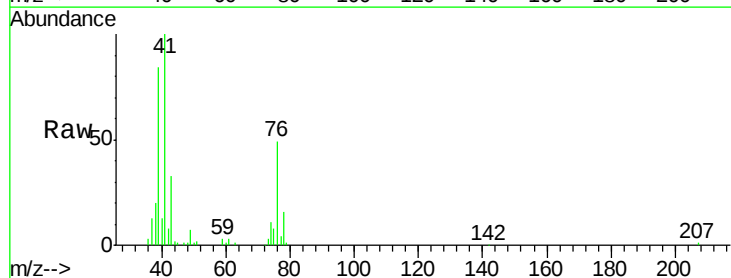
Acq: 16 Oct 2020 17:03

Tgt Ion: 43 Resp: 49105

Ion Ratio Lower Upper

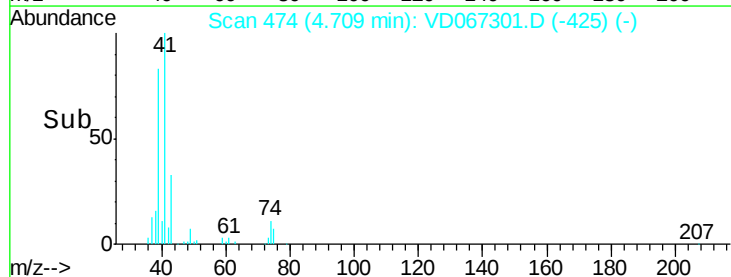
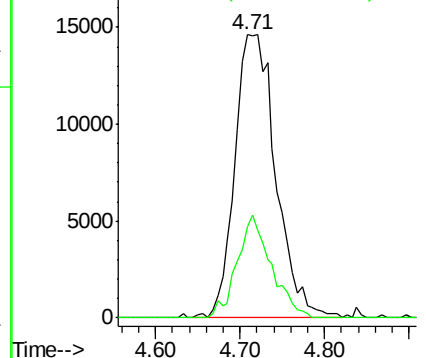
43 100

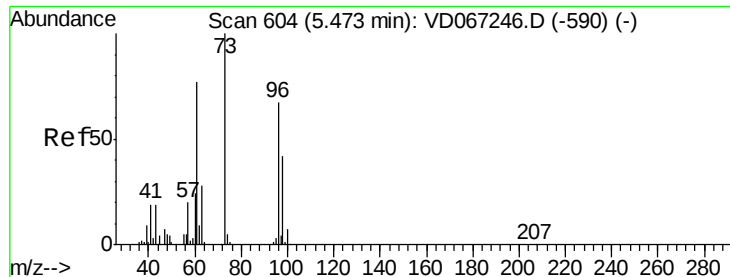
74 30.0 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





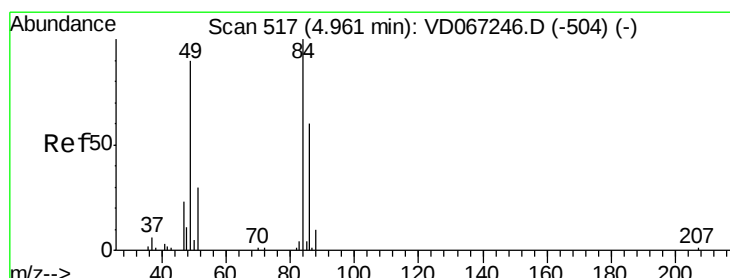
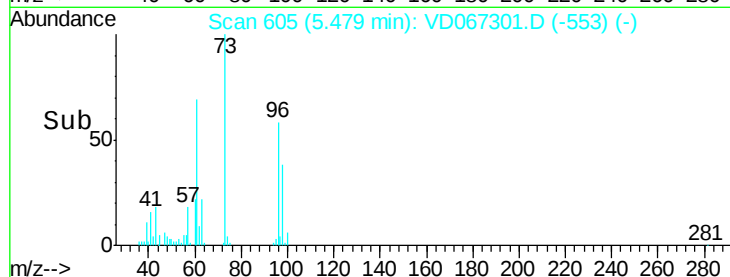
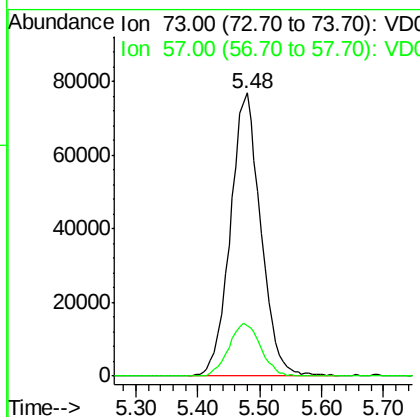
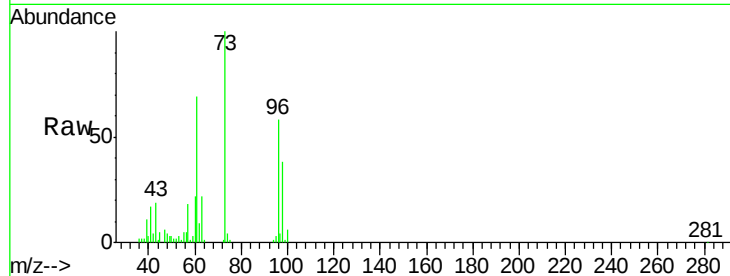
#19
Methyl tert-butyl Ether
Concen: 49.231 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.01 min
Lab File: VD067301.D
Acq: 16 Oct 2020 17:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	18.0	15.7	23.5

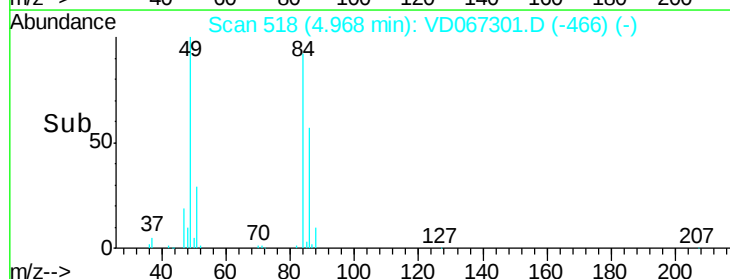
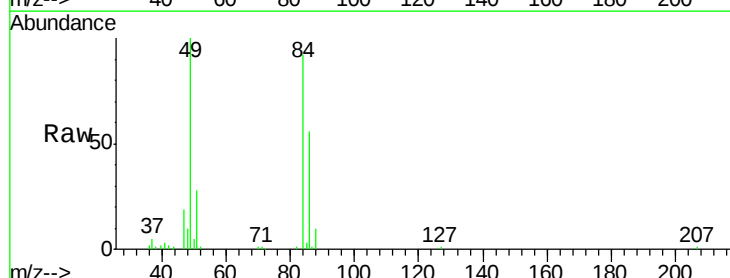
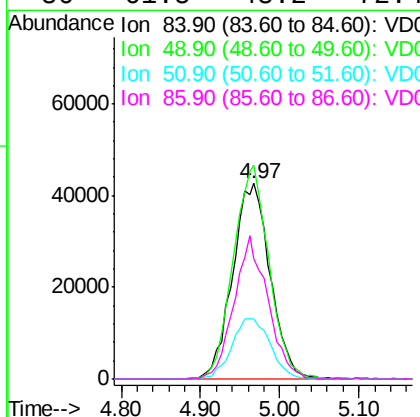
Manual Integrations
APPROVED

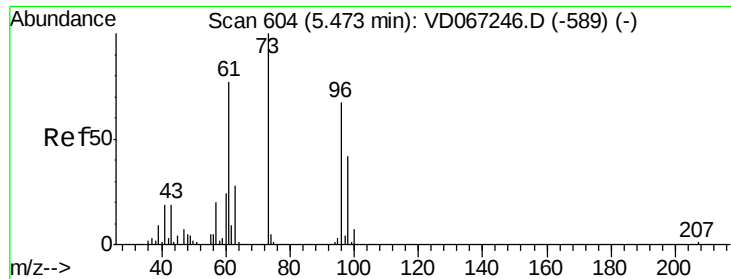
MMDadoda
10/19/2020 11:09:32 AM



#20
Methylene Chloride
Concen: 47.457 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067301.D
Acq: 16 Oct 2020 17:03

Tgt Ion	Ratio	Lower	Upper
84	100		
49	108.9	72.2	108.2#
51	31.0	23.8	35.8
86	61.5	48.2	72.4





#21

trans-1,2-Dichloroethene

Concen: 47.182 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD067301.D

Acq: 16 Oct 2020 17:03

Instrument :

MSVOA_D

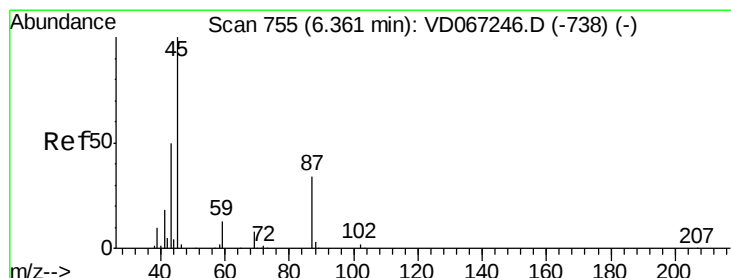
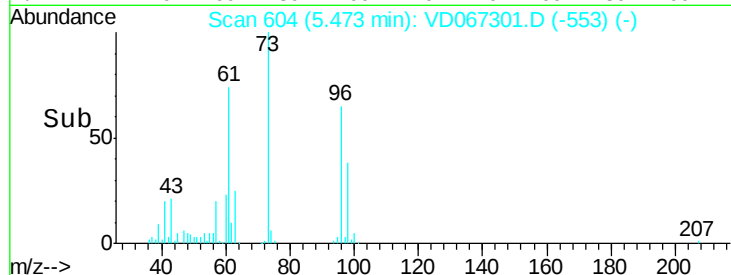
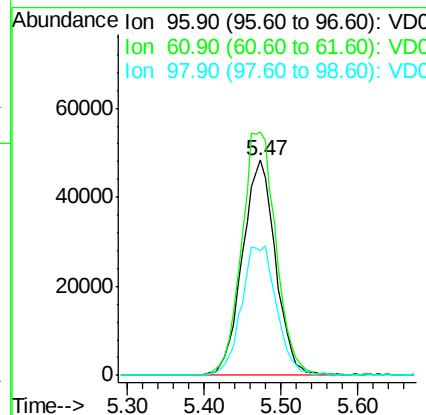
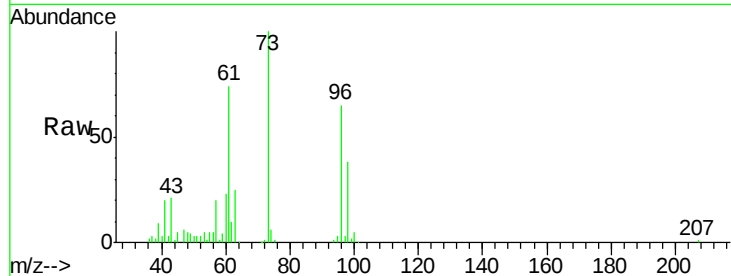
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	145902
Ion	Ratio	Lower	Upper
96	100		
61	113.0	92.0	138.0
98	58.1	49.8	74.8

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#22

Diisopropyl ether

Concen: 48.545 ug/l

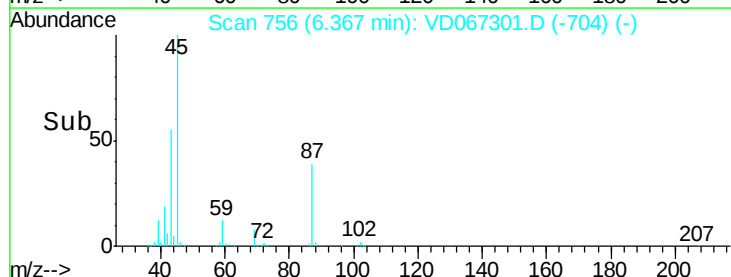
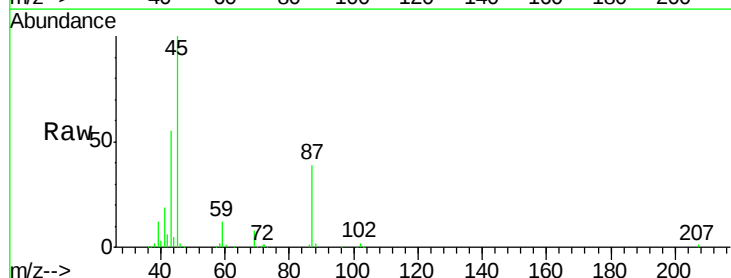
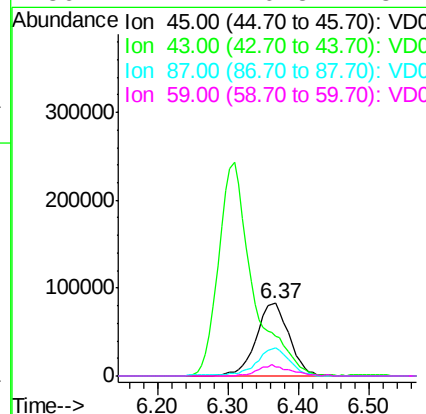
RT: 6.37 min Scan# 756

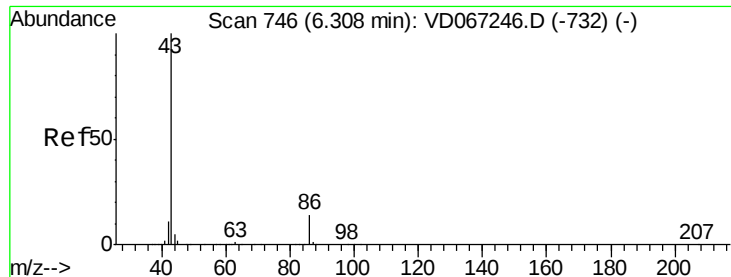
Delta R.T. 0.01 min

Lab File: VD067301.D

Acq: 16 Oct 2020 17:03

Tgt Ion:	45	Resp:	272896
Ion	Ratio	Lower	Upper
45	100		
43	53.8	48.0	72.0
87	38.7	28.5	42.7
59	12.1	10.5	15.7





#23

Vinyl Acetate

Concen: 257.448 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD067301.D

Acq: 16 Oct 2020 17:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 823373

Ion Ratio Lower Upper

43 100

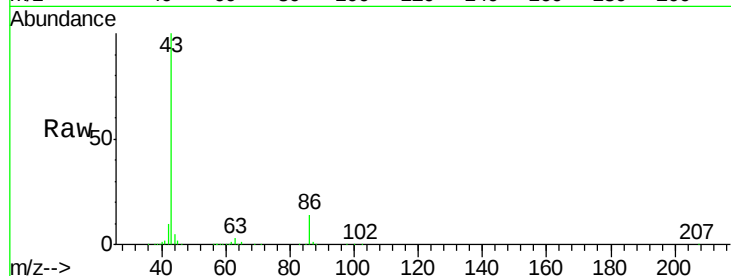
86 14.3 11.0 16.6

Manual Integrations

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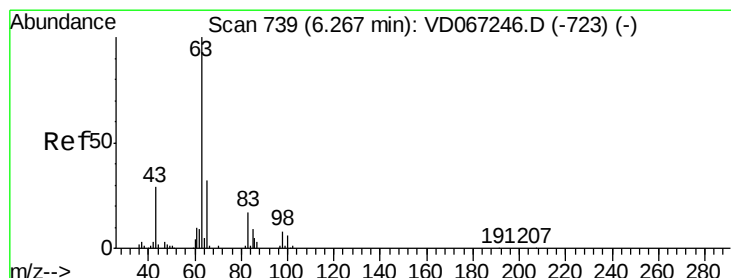
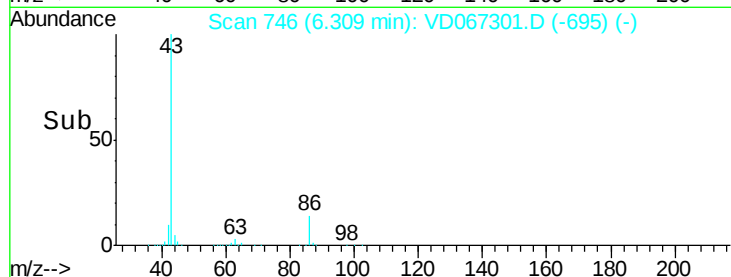
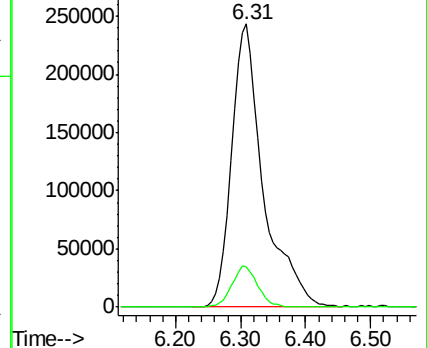
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 46.528 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD067301.D

Acq: 16 Oct 2020 17:03

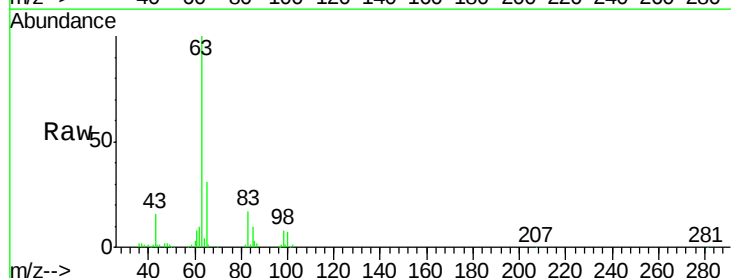
Tgt Ion: 63 Resp: 223895

Ion Ratio Lower Upper

63 100

98 7.9 4.0 12.2

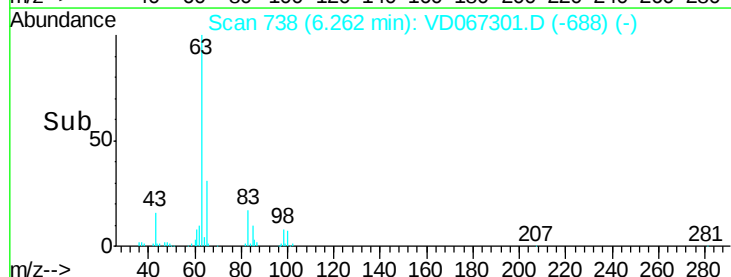
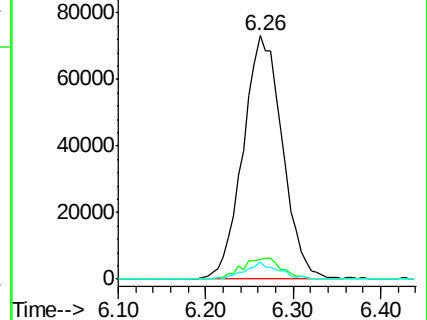
100 6.9 2.8 8.4

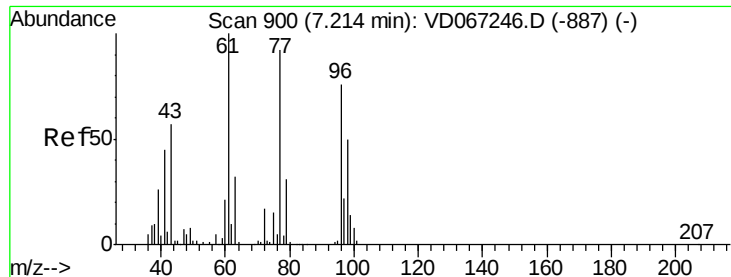


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





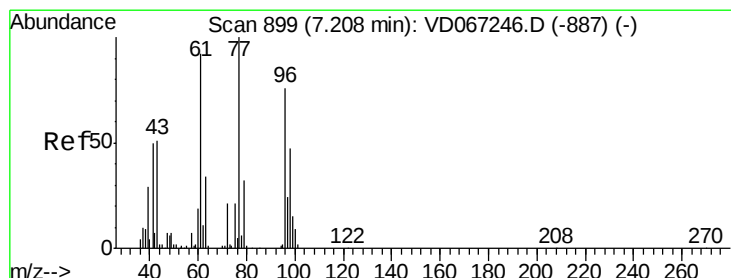
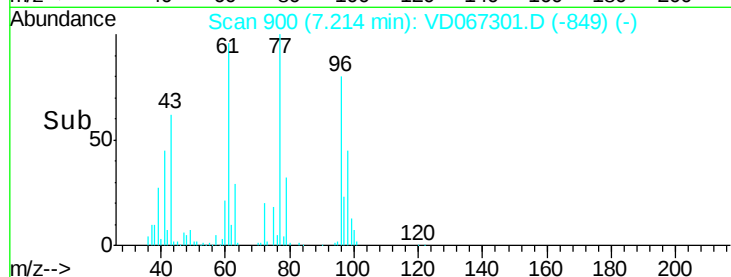
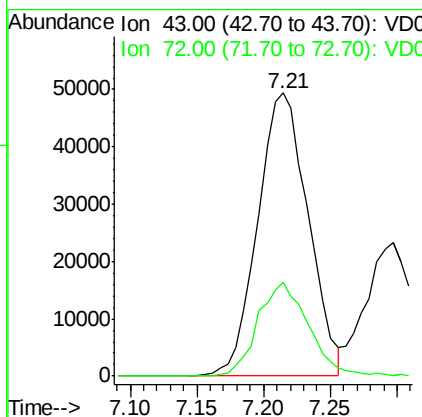
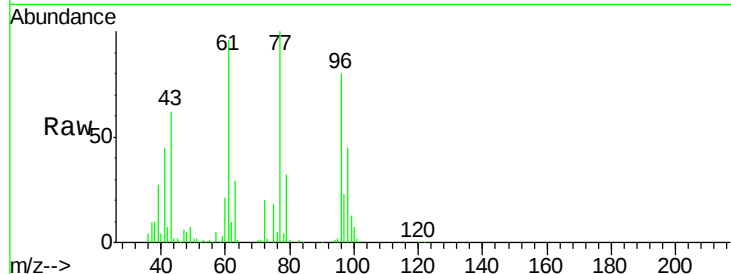
#25
2-Butanone
Concen: 248.648 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD067301.D
Acq: 16 Oct 2020 17:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 129483
Ion Ratio Lower Upper
43 100
72 33.2 23.7 35.5

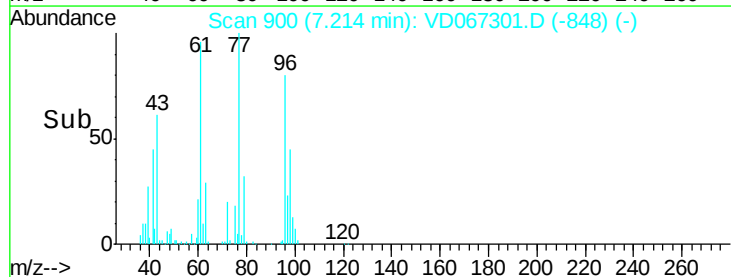
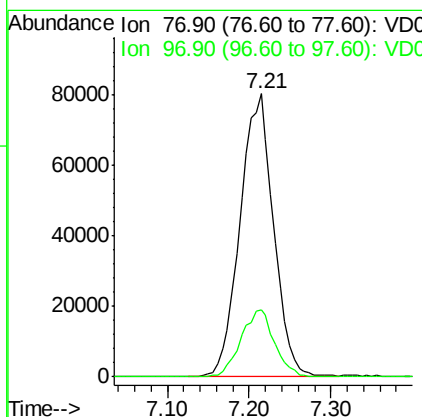
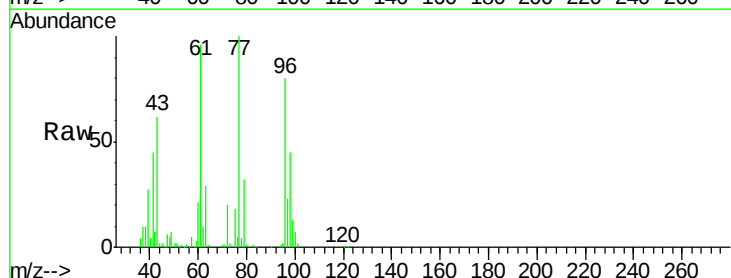
Manual Integrations
APPROVED

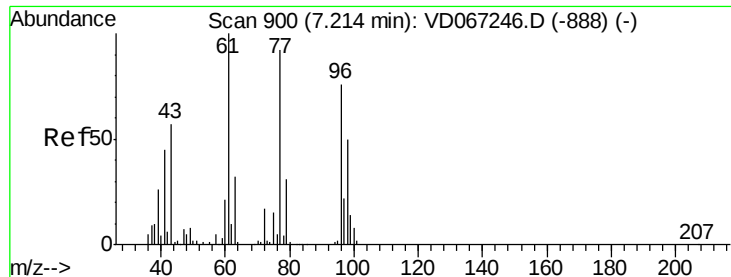
MMDadoda
10/19/2020 11:09:32 AM



#26
2,2-Dichloropropane
Concen: 46.176 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.01 min
Lab File: VD067301.D
Acq: 16 Oct 2020 17:03

Tgt Ion: 77 Resp: 229031
Ion Ratio Lower Upper
77 100
97 23.7 11.4 34.2





#27

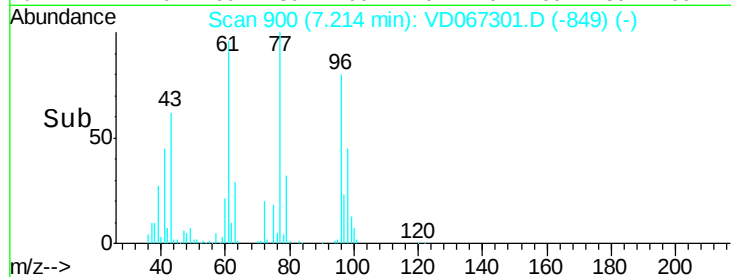
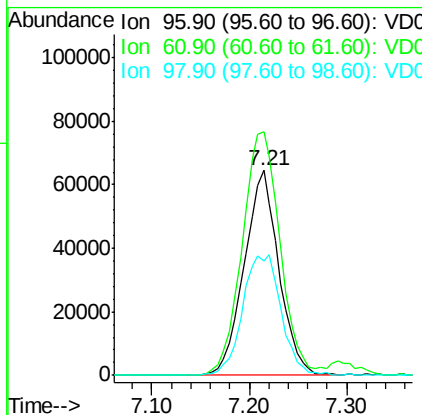
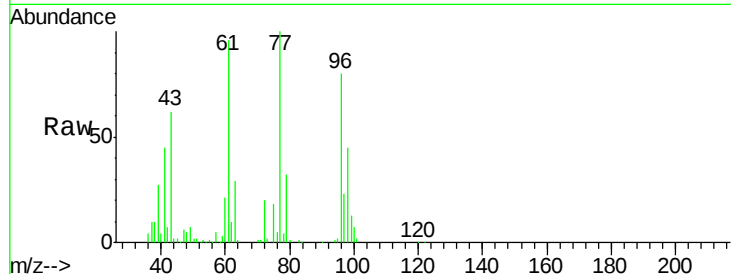
cis-1,2-Dichloroethene
 Concen: 47.059 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD067301.D
 Acq: 16 Oct 2020 17:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	159488		
61	129.8	0.0	255.4	
98	65.5	0.0	128.0	

Manual Integrations
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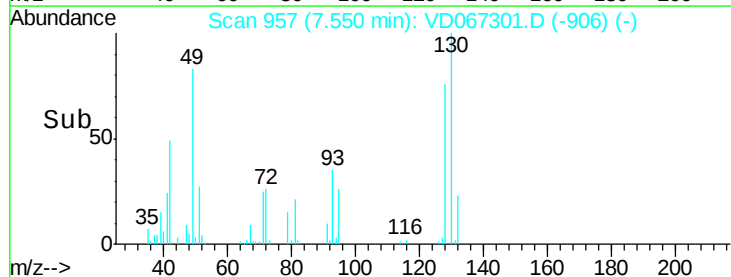
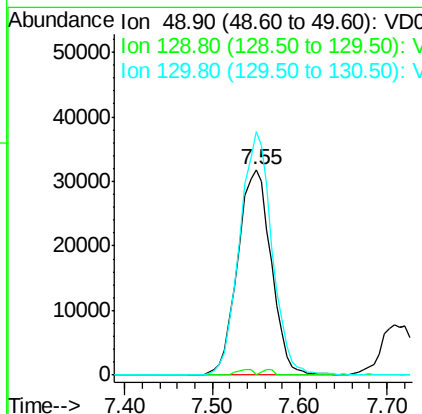
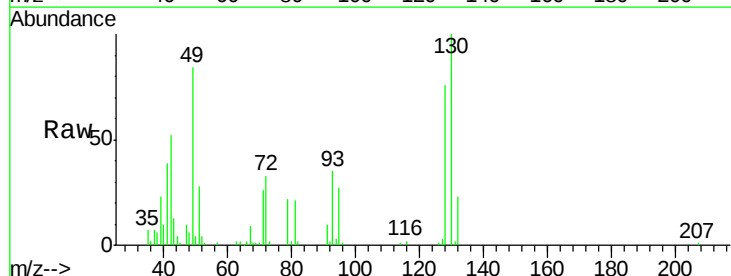
MMDadoda
 10/19/2020 11:09:32 AM

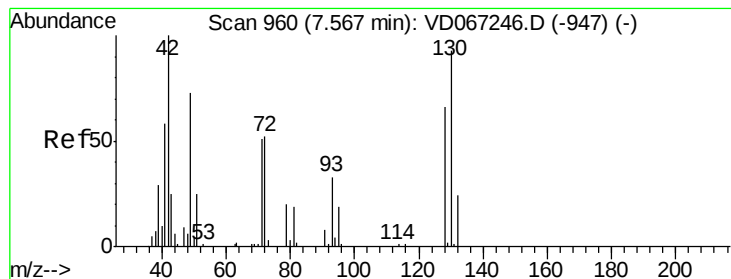


#28

Bromochloromethane
 Concen: 50.283 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD067301.D
 Acq: 16 Oct 2020 17:03

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	82531		
129	1.2	0.0	1.6	
130	114.2	91.0	136.6	





#29

Tetrahydrofuran

Concen: 252.027 ug/l

RT: 7.56 min Scan# 959

Delta R.T. -0.01 min

Lab File: VD067301.D

Acq: 16 Oct 2020 17:03

Instrument :

MSVOA_D

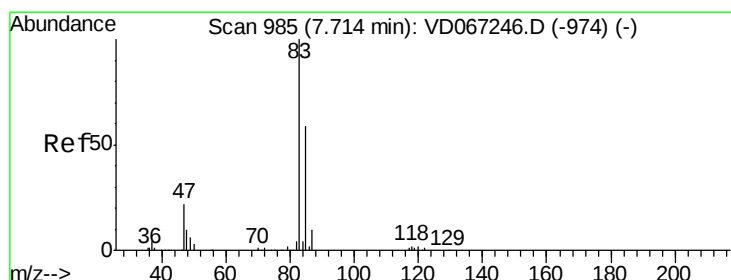
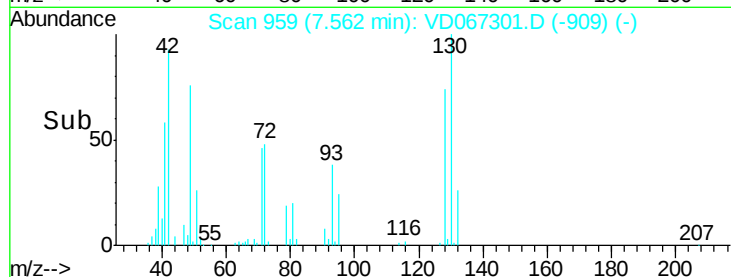
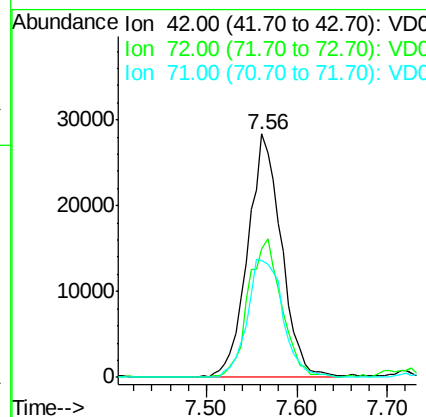
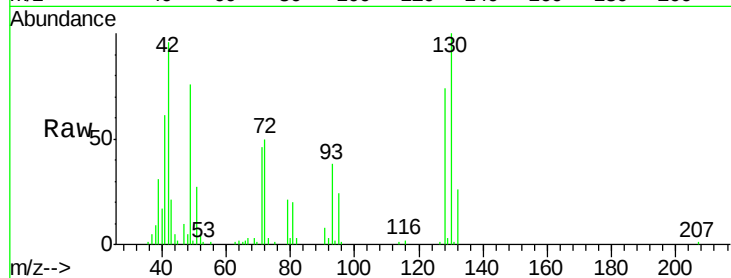
ClientSampleId :

VSTDCCC050EC

Tot Ion:	42	Resp:	72955
Ion	Ratio	Lower	Upper
42	100		
72	56.8	43.2	64.8
71	51.5	39.4	59.0

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#30

Chloroform

Concen: 47.394 ug/l

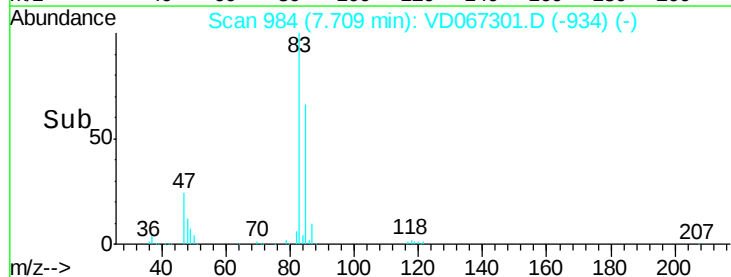
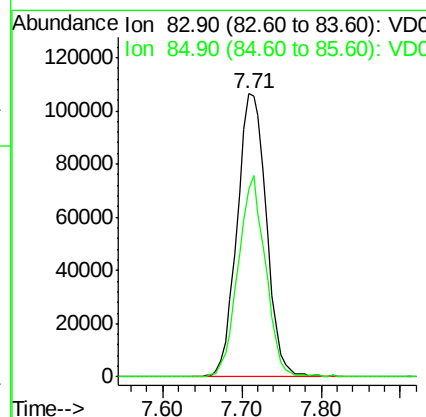
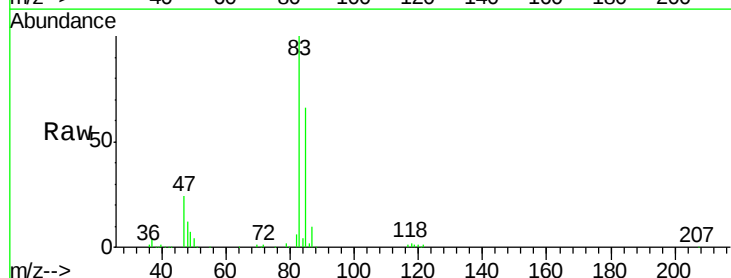
RT: 7.71 min Scan# 984

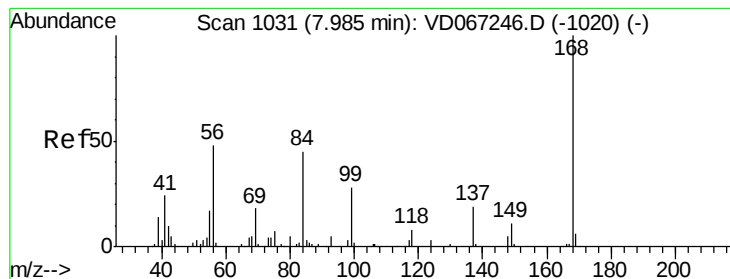
Delta R.T. -0.01 min

Lab File: VD067301.D

Acq: 16 Oct 2020 17:03

Tgt Ion:	83	Resp:	272448
Ion	Ratio	Lower	Upper
83	100		
85	66.1	47.3	70.9





#31

Cyclohexane

Concen: 43.549 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067301.D

Acq: 16 Oct 2020 17:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 163616

Ion Ratio Lower Upper

56 100

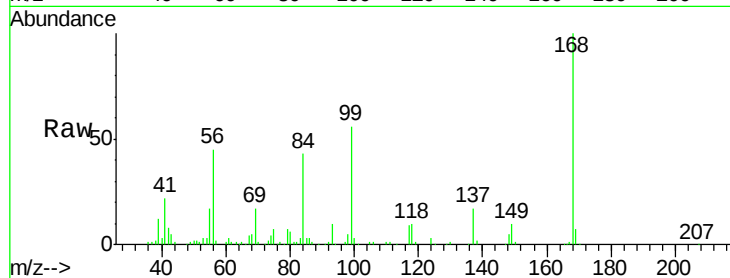
69 38.0 29.8 44.6

84 94.2 76.6 114.8

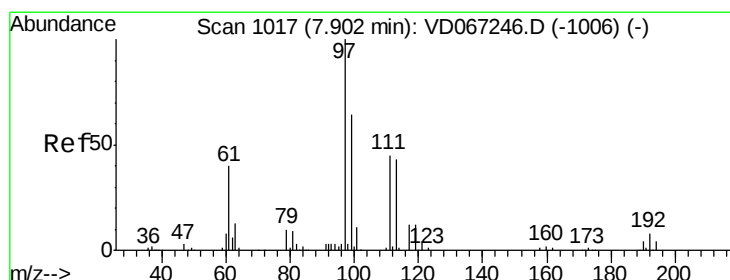
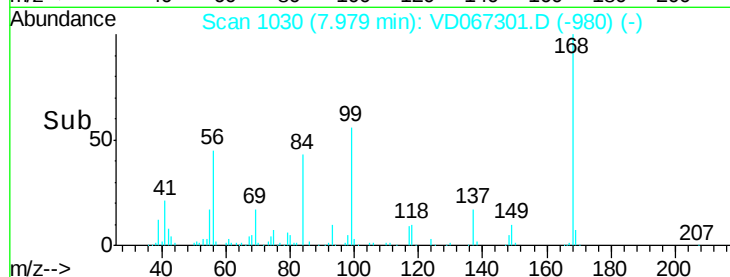
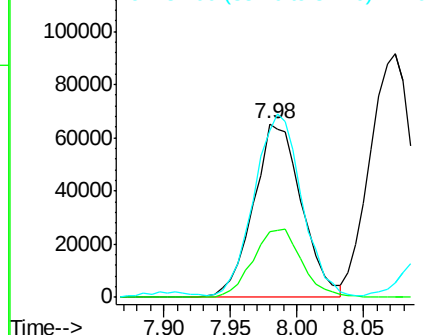
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Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC



#32

1,1,1-Trichloroethane

Concen: 46.569 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. 0.00 min

Lab File: VD067301.D

Acq: 16 Oct 2020 17:03

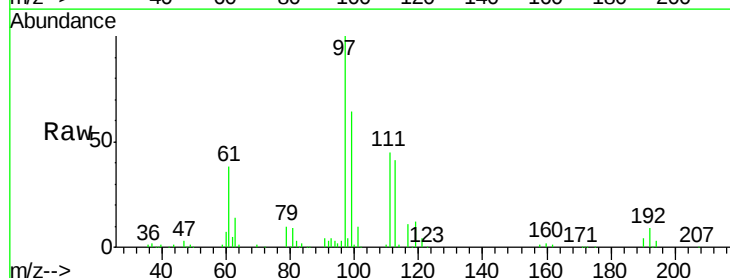
Tgt Ion: 97 Resp: 262658

Ion Ratio Lower Upper

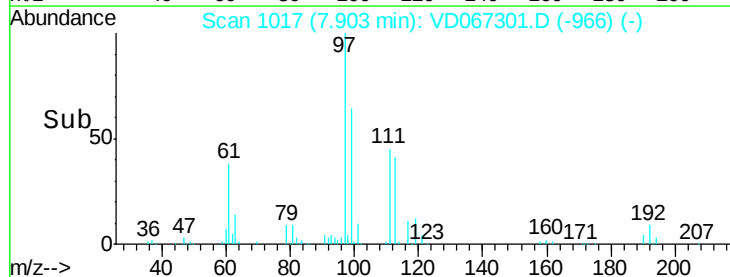
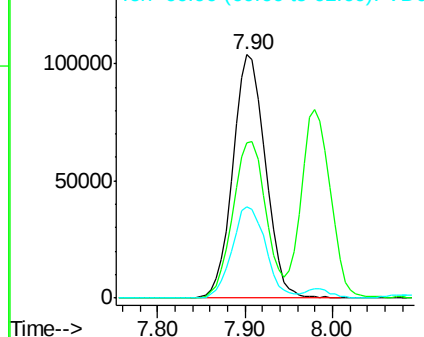
97 100

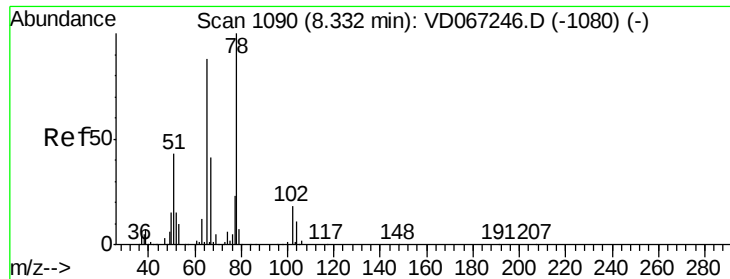
99 65.6 50.2 75.4

61 38.7 30.5 45.7



Abundance Ion 96.90 (96.60 to 97.60): VDC
Ion 98.90 (98.60 to 99.60): VDC
Ion 60.90 (60.60 to 61.60): VDC





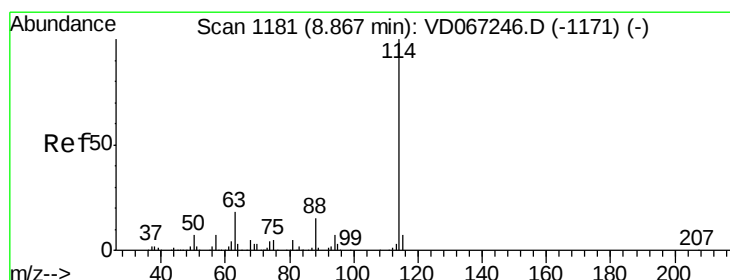
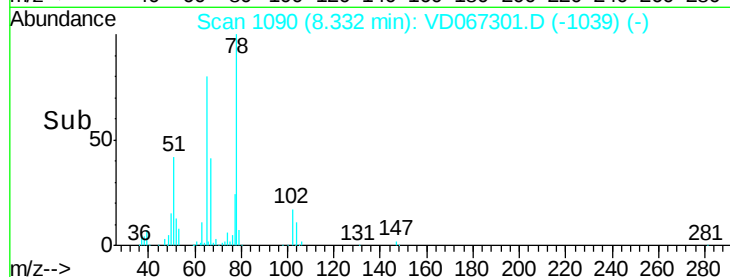
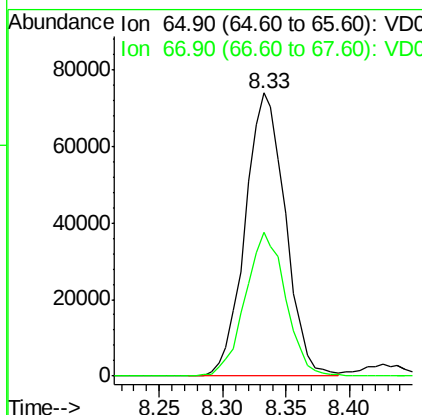
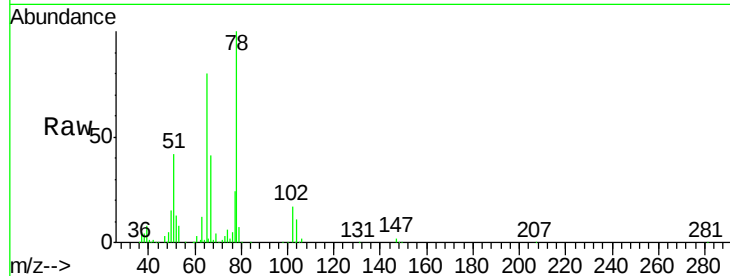
#33
 1,2-Dichloroethane-d4
 Concen: 50.058 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD067301.D
 Acq: 16 Oct 2020 17:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	51.2	0.0	103.8	

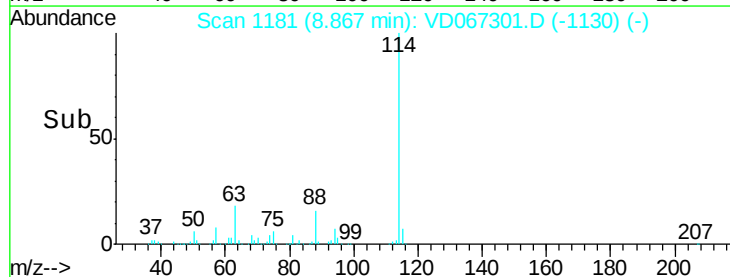
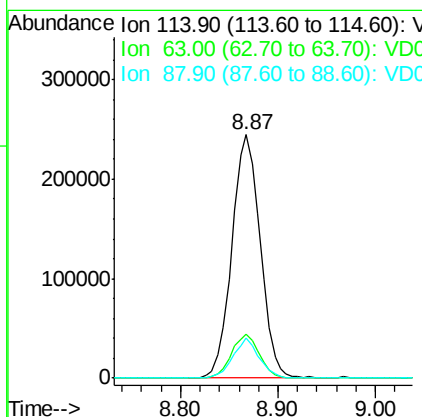
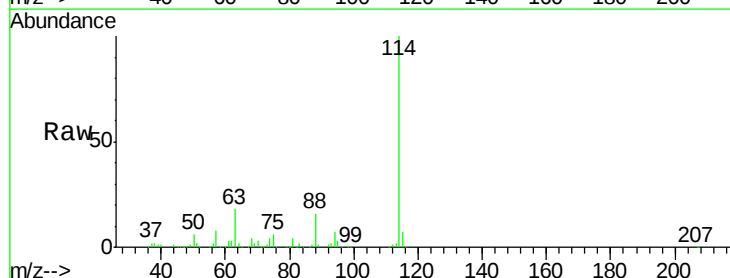
Manual Integrations
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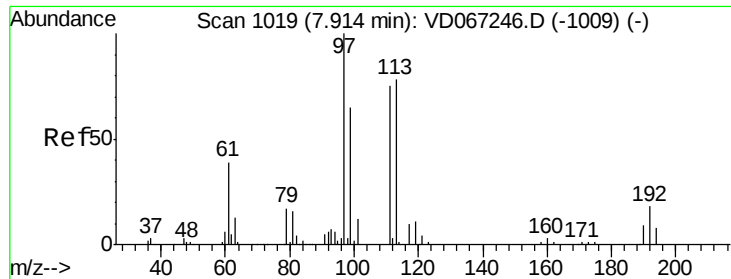
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD067301.D
 Acq: 16 Oct 2020 17:03

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.1	0.0	35.0	
88	16.2	0.0	30.6	





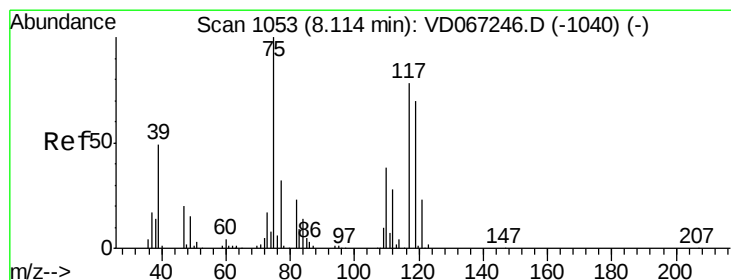
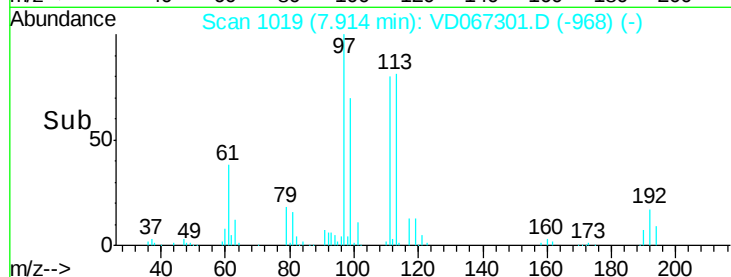
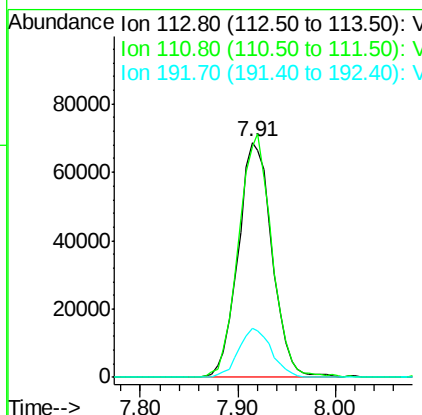
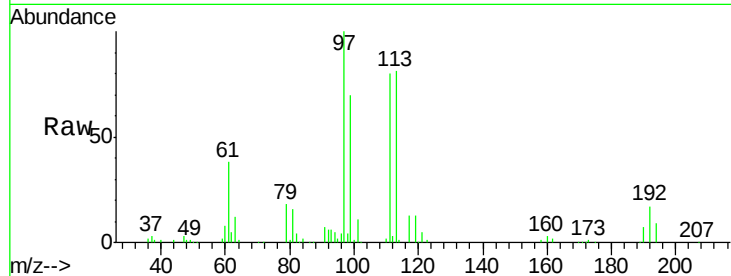
#35
 Dibromofluoromethane
 Concen: 50.944 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD067301.D
 Acq: 16 Oct 2020 17:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.6	122.4
192	20.1	17.0	25.4

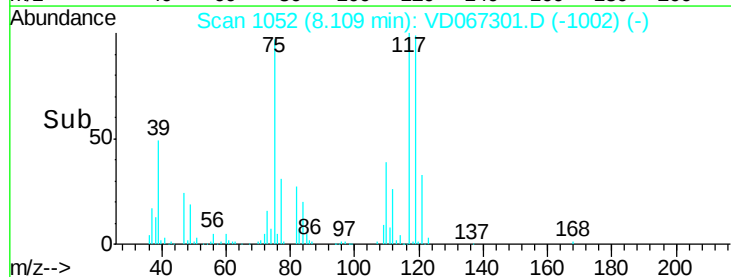
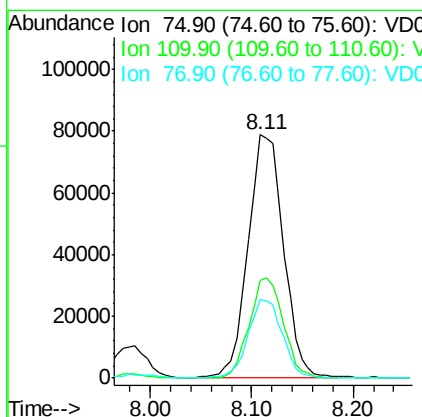
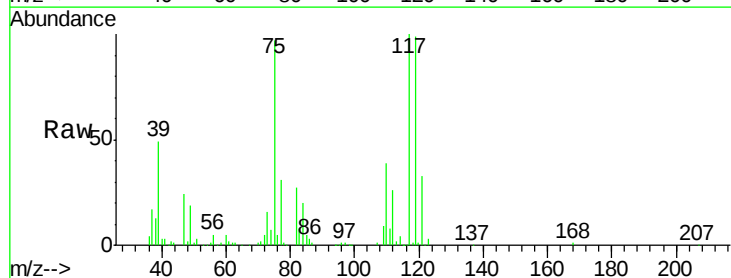
Manual Integrations
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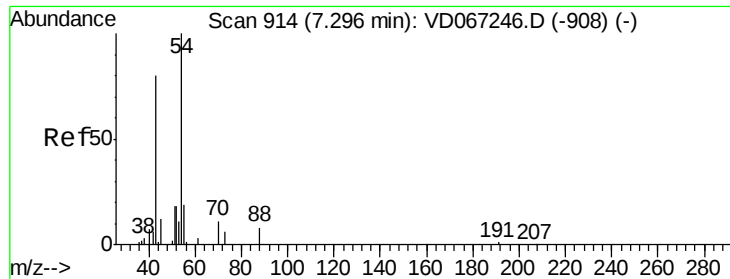
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 45.977 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD067301.D
 Acq: 16 Oct 2020 17:03

Tgt Ion	Ratio	Lower	Upper
75	100		
110	39.4	19.6	58.7
77	31.1	24.6	37.0





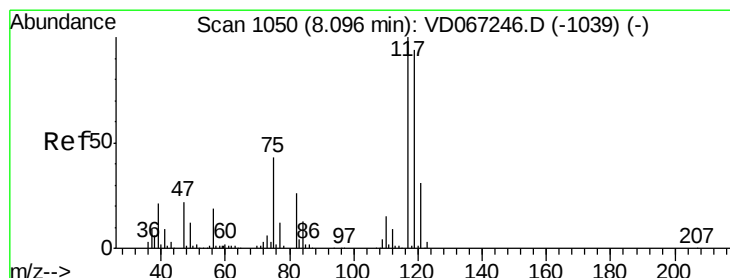
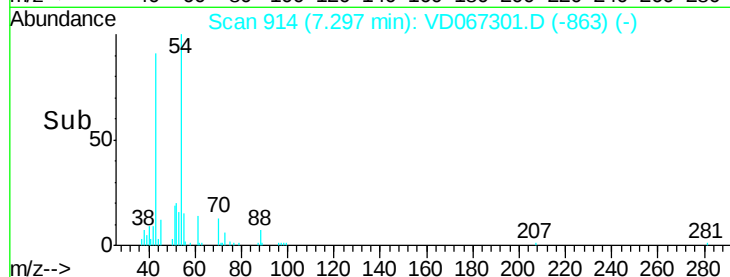
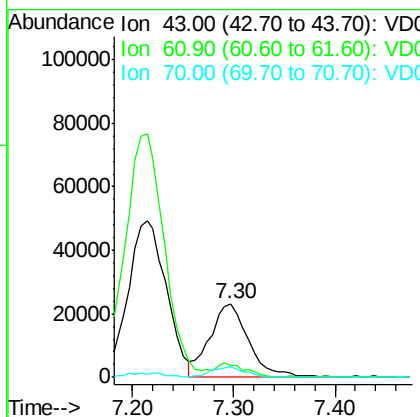
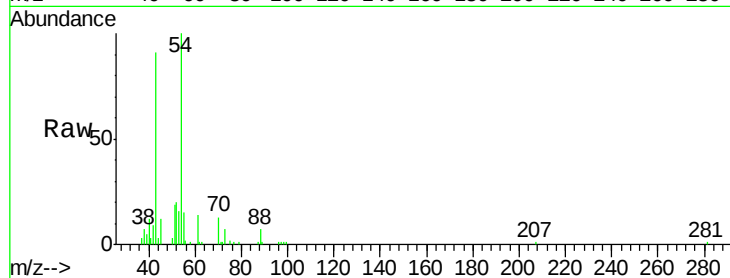
#37
Ethyl Acetate
Concen: 48.973 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD067301.D
Acq: 16 Oct 2020 17:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.1	15.6	23.4#
70	13.1	10.4	15.6

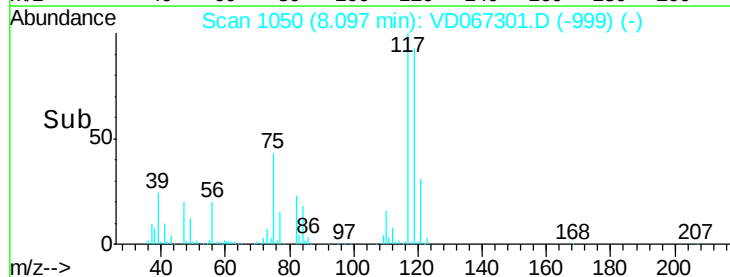
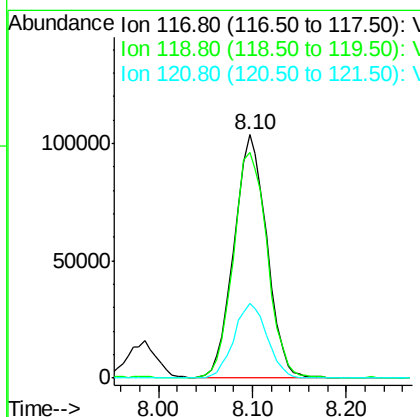
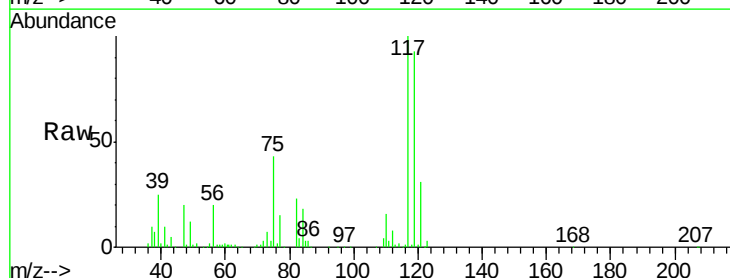
Manual Integrations
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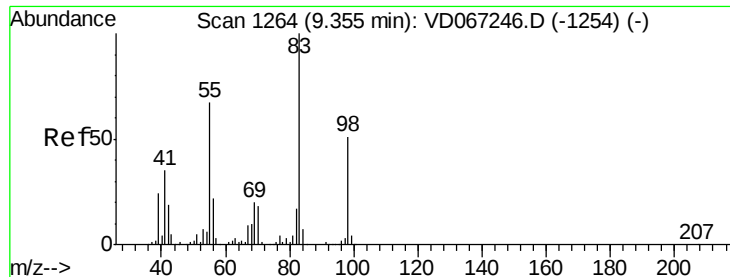
MMDadoda
10/19/2020 11:09:32 AM



#38
Carbon Tetrachloride
Concen: 46.723 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD067301.D
Acq: 16 Oct 2020 17:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.9	75.0	112.4
121	30.7	24.9	37.3





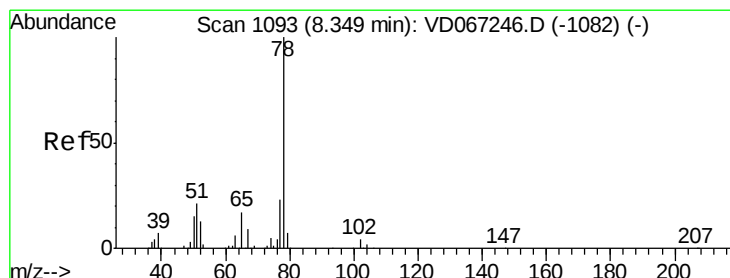
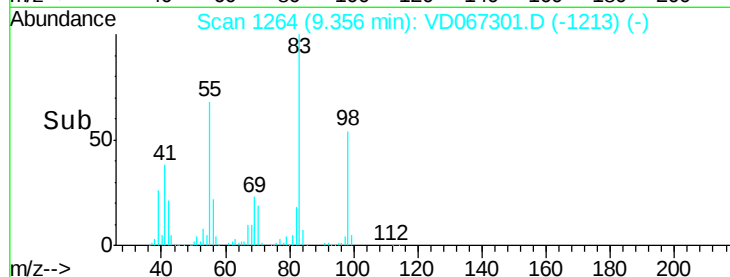
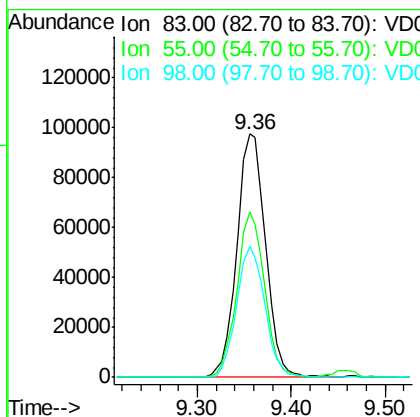
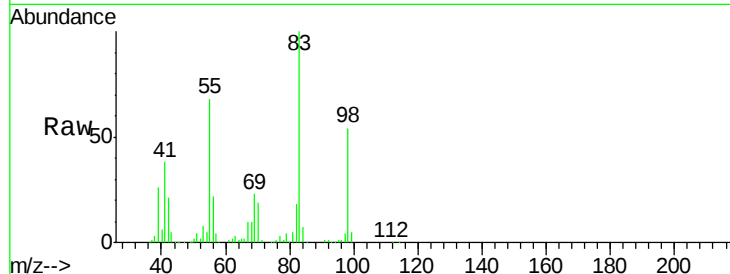
#39
Methvlcvclohexane
Concen: 47.239 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD067301.D
Acq: 16 Oct 2020 17:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	206454		
55	67.9	53.3	79.9	
98	53.9	41.0	61.4	

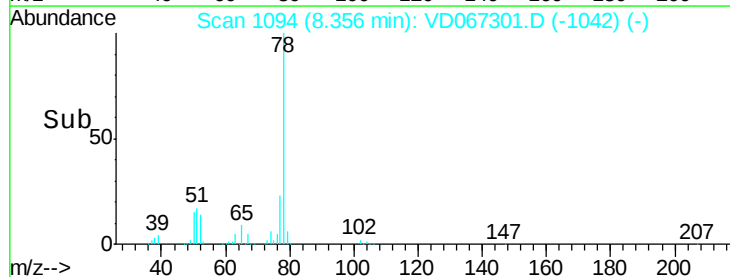
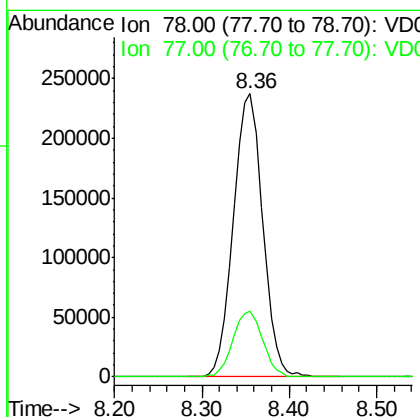
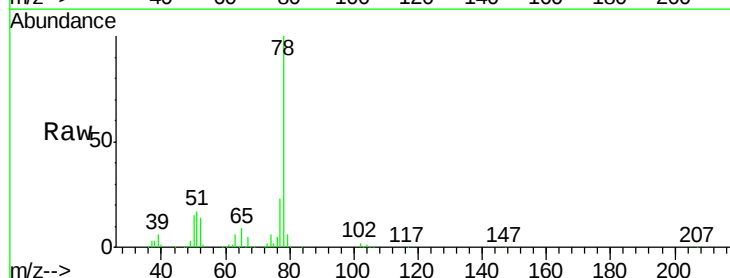
Manual Integrations
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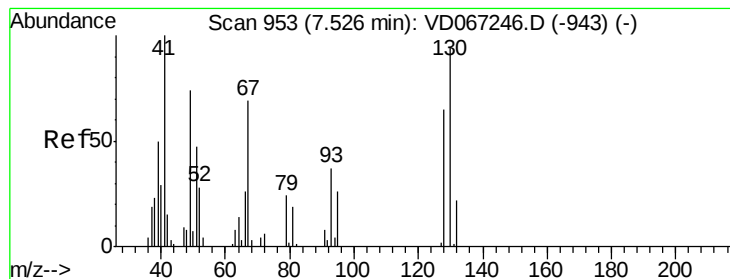
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#40
Benzene
Concen: 46.977 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD067301.D
Acq: 16 Oct 2020 17:03

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	538771		
77	23.2	18.3	27.5	





#41

Methacrylonitrile

Concen: 43.638 ug/l

RT: 7.53 min Scan# 953

Delta R.T. 0.00 min

Lab File: VD067301.D

Acq: 16 Oct 2020 17:03

Instrument :

MSVOA_D

ClientSampleId :

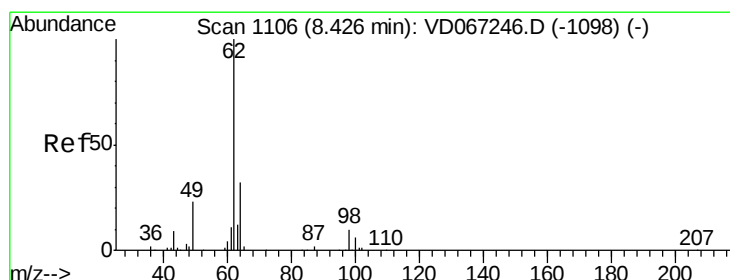
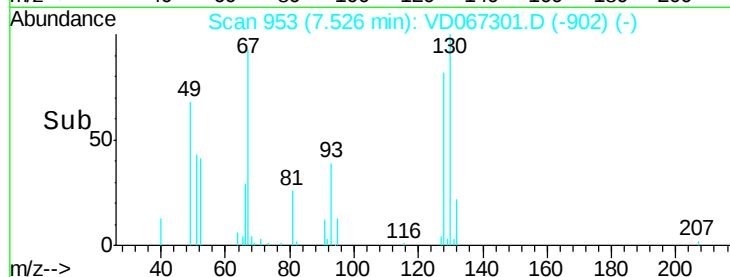
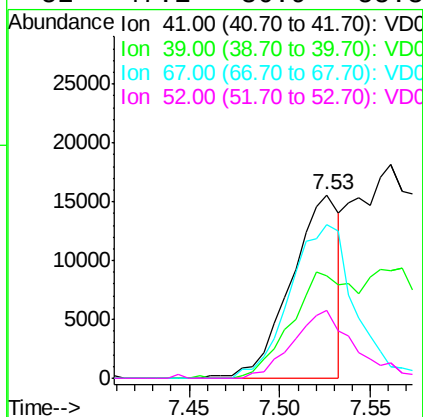
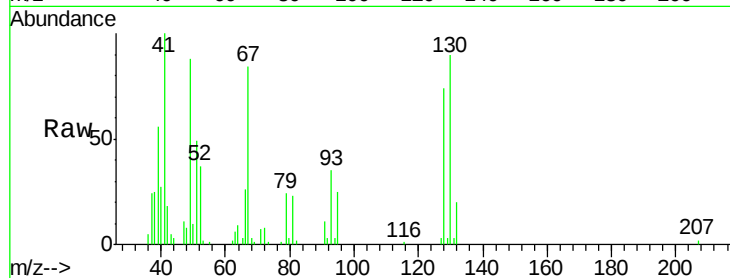
VSTDCCC050EC

Tot Ion: 41 Resp: 29005

Ion	Ratio	Lower	Upper
41	100		
39	75.4	60.0	90.0
67	111.6	88.9	133.3
52	47.1	36.9	55.3

Manual Integrations
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MMDadoda
10/19/2020 11:09:32 AM



#42

1,2-Dichloroethane

Concen: 48.168 ug/l

RT: 8.43 min Scan# 1106

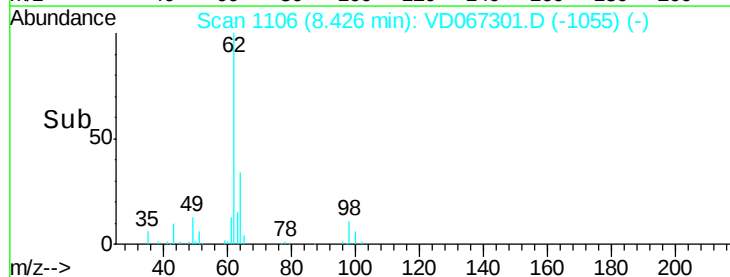
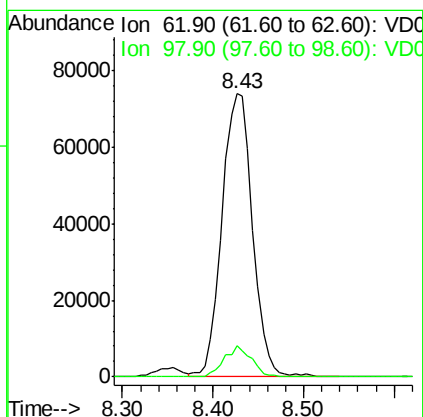
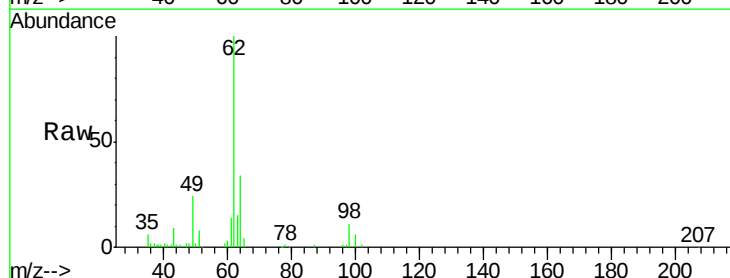
Delta R.T. 0.00 min

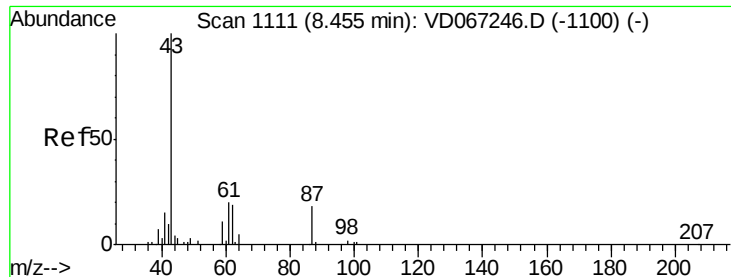
Lab File: VD067301.D

Acq: 16 Oct 2020 17:03

Tgt Ion: 62 Resp: 172881

Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	19.4





#43

Isopropyl Acetate

Concen: 48.222 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD067301.D

Acq: 16 Oct 2020 17:03

Instrument :

MSVOA_D

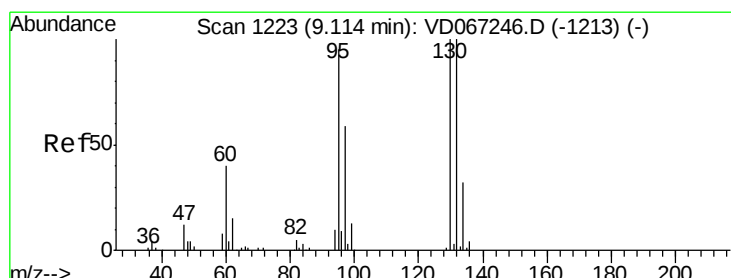
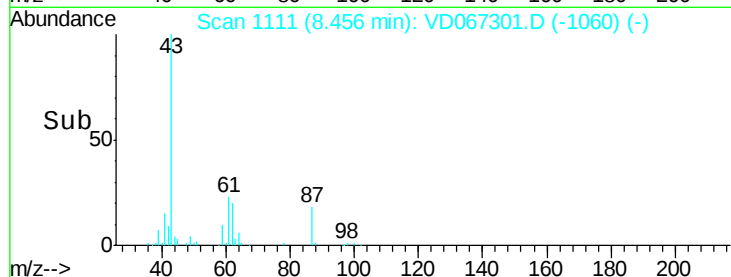
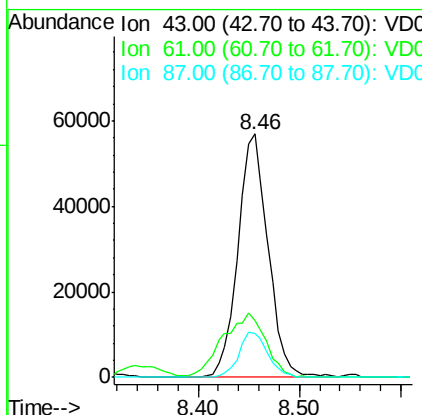
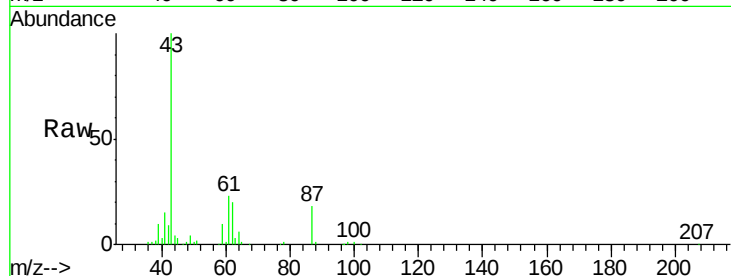
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	117691
Ion	Ratio	Lower	Upper
43	100		
61	37.4	29.5	44.3
87	17.8	14.2	21.4

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#44

Trichloroethene

Concen: 46.951 ug/l

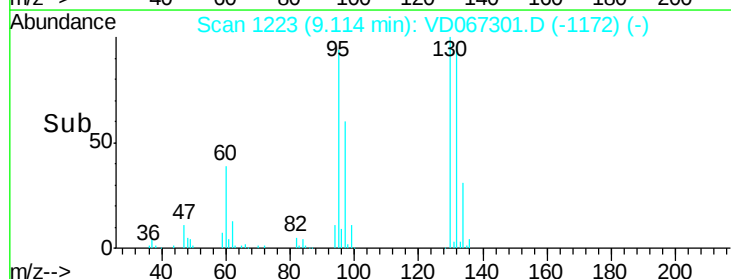
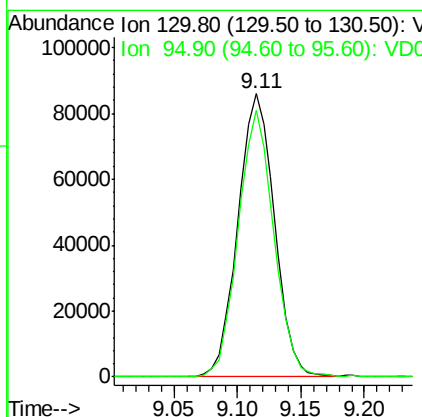
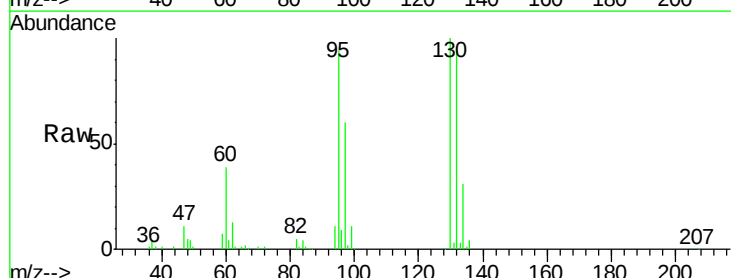
RT: 9.11 min Scan# 1223

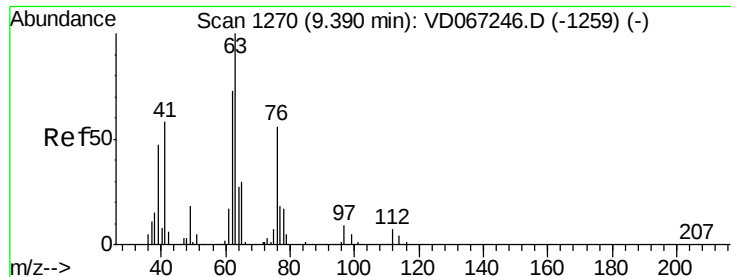
Delta R.T. 0.00 min

Lab File: VD067301.D

Acq: 16 Oct 2020 17:03

Tgt Ion:	130	Resp:	172405
Ion	Ratio	Lower	Upper
130	100		
95	94.1	0.0	190.6





#45

1,2-Dichloropropane

Concen: 47.219 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD067301.D

Acq: 16 Oct 2020 17:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 125507

Ion Ratio Lower Upper

63 100

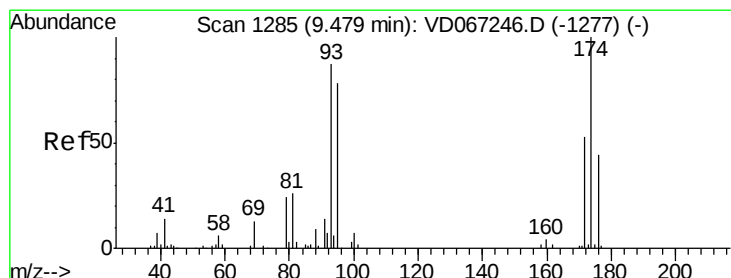
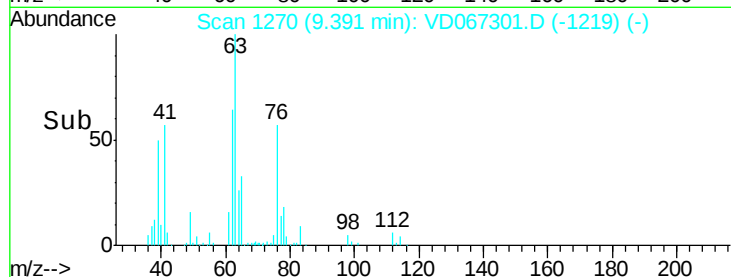
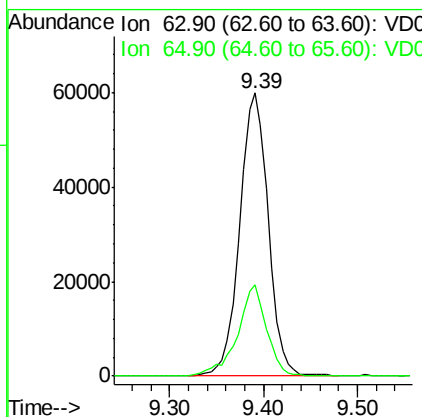
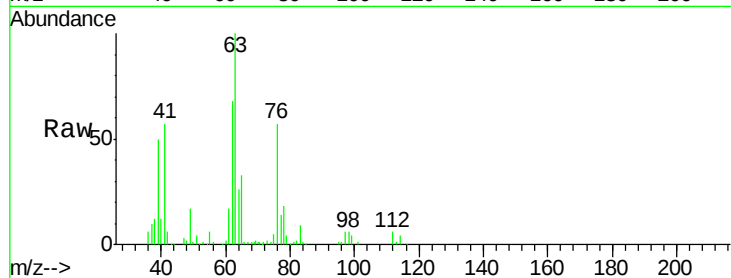
65 32.5 24.6 36.8

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#46

Dibromomethane

Concen: 48.396 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD067301.D

Acq: 16 Oct 2020 17:03

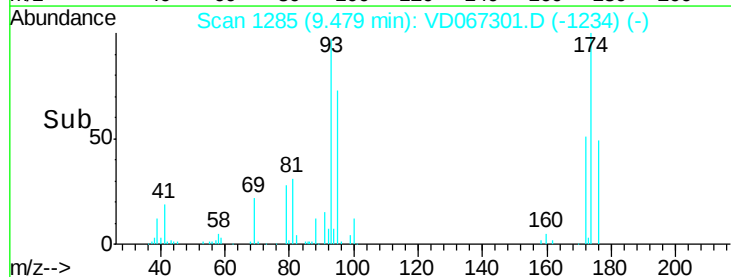
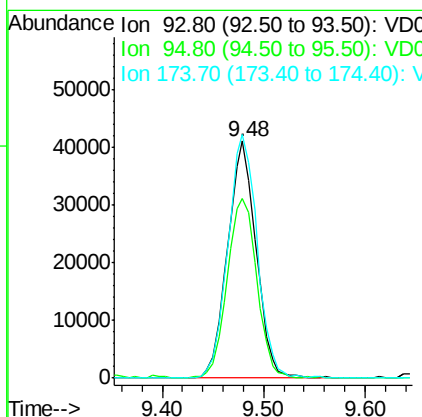
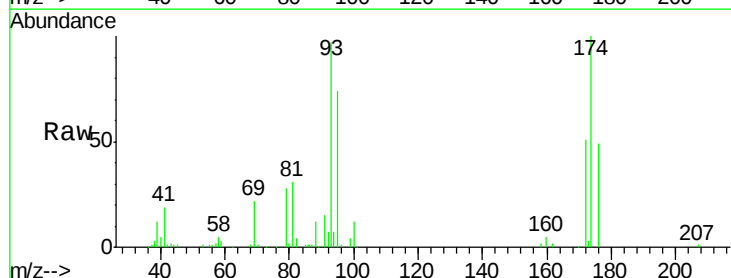
Tgt Ion: 93 Resp: 80147

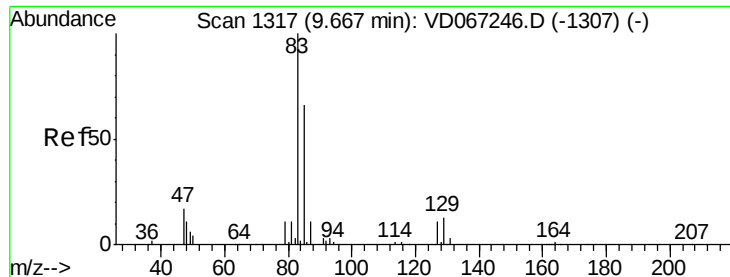
Ion Ratio Lower Upper

93 100

95 78.7 68.0 102.0

174 105.5 91.8 137.6





#47

Bromodichloromethane

Concen: 47.267 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD067301.D

Acq: 16 Oct 2020 17:03

Instrument :

MSVOA_D

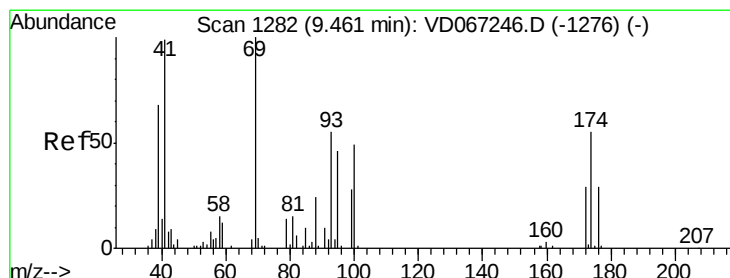
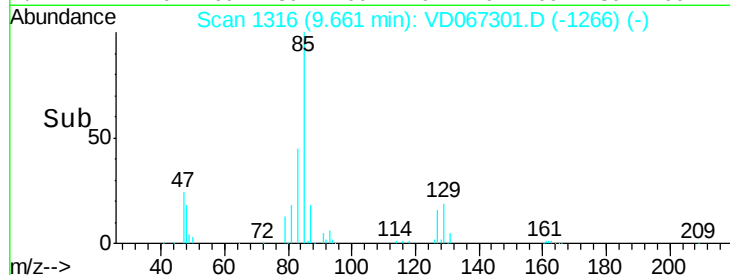
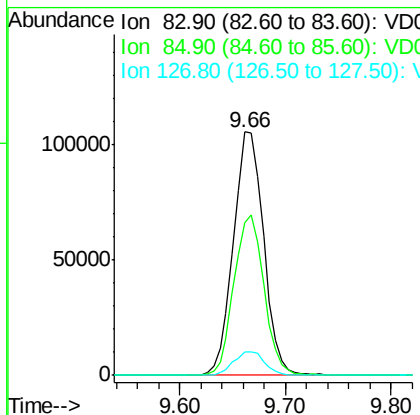
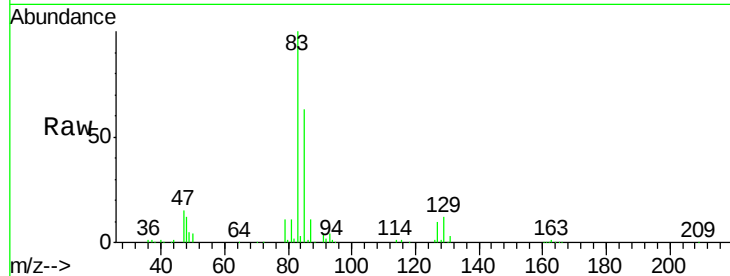
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	209720
Ion	Ratio	Lower	Upper
83	100		
85	62.5	53.1	79.7
127	9.7	8.6	13.0

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#48

Methyl methacrylate

Concen: 48.232 ug/l

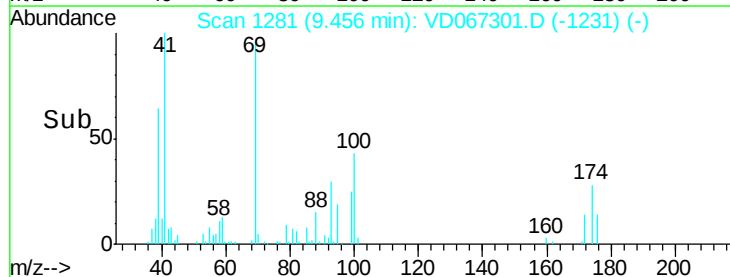
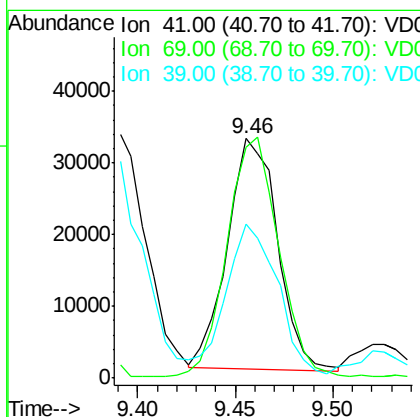
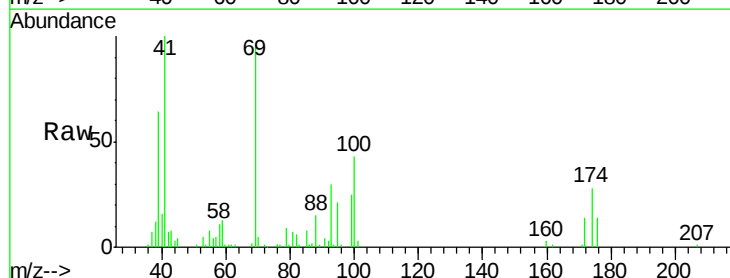
RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD067301.D

Acq: 16 Oct 2020 17:03

Tgt Ion:	41	Resp:	57206
Ion	Ratio	Lower	Upper
41	100		
69	107.3	89.0	133.6
39	70.7	60.2	90.2





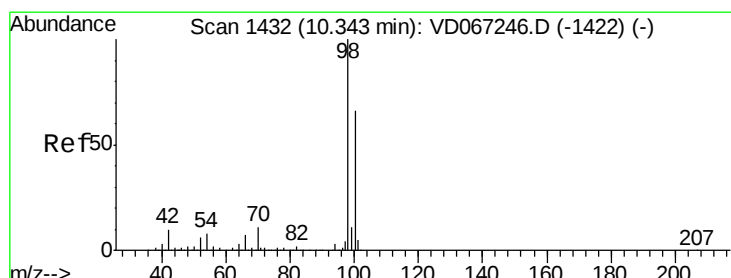
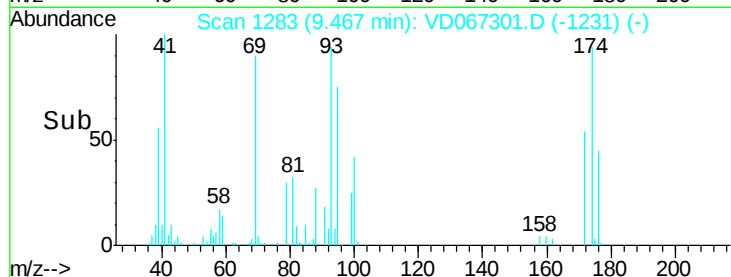
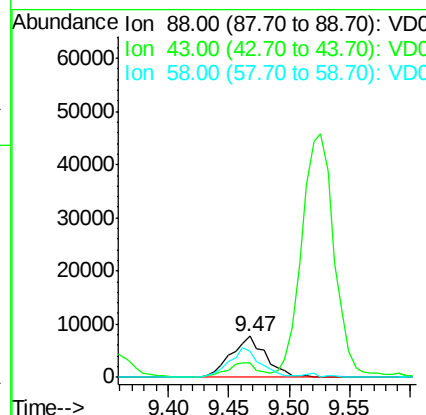
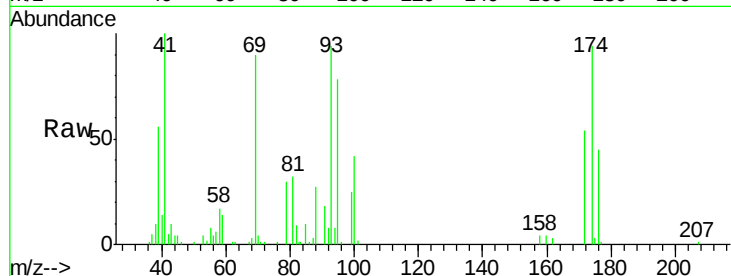
#49
1,4-Dioxane
Concen: 967.683 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.01 min
Lab File: VD067301.D
Acq: 16 Oct 2020 17:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	15524
Ion	Ratio	Lower	Upper
88	100		
43	33.0	23.9	35.9
58	64.1	51.0	76.6

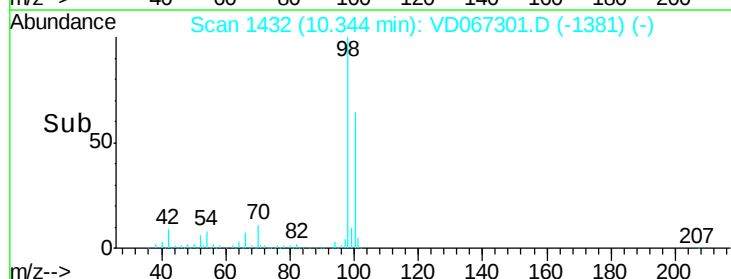
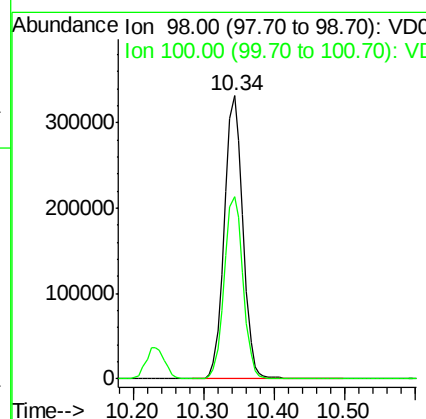
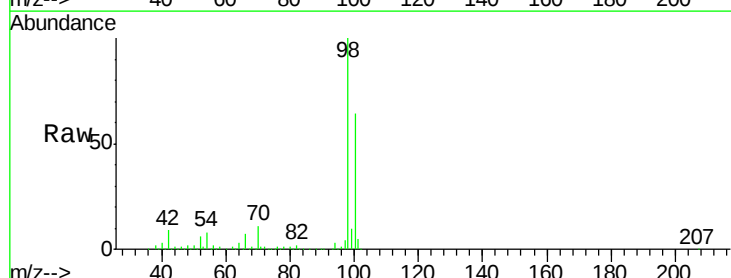
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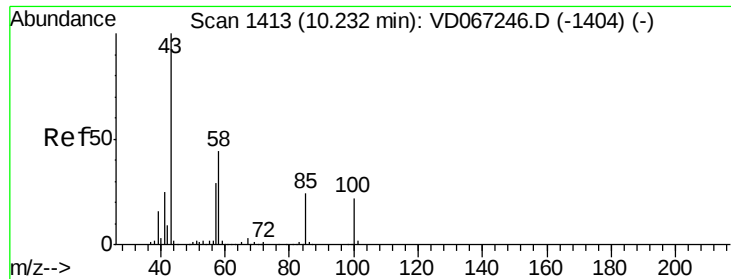
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#50
Toluene-d8
Concen: 50.817 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067301.D
Acq: 16 Oct 2020 17:03

Tgt Ion	98	Resp	603666
Ion	Ratio	Lower	Upper
98	100		
100	65.8	53.1	79.7





#51

4-Methyl-2-Pentanone

Concen: 247.540 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD067301.D

Acq: 16 Oct 2020 17:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 301330

Ion Ratio Lower Upper

43 100

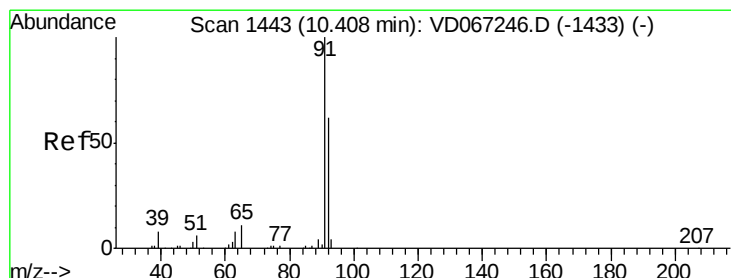
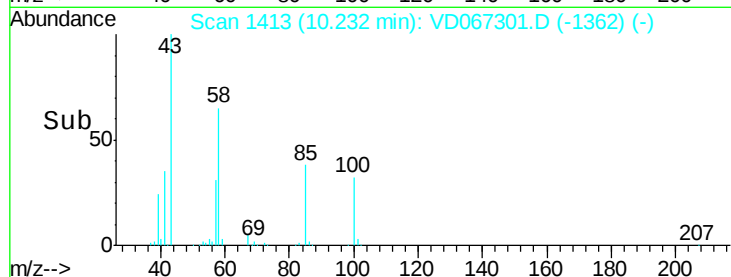
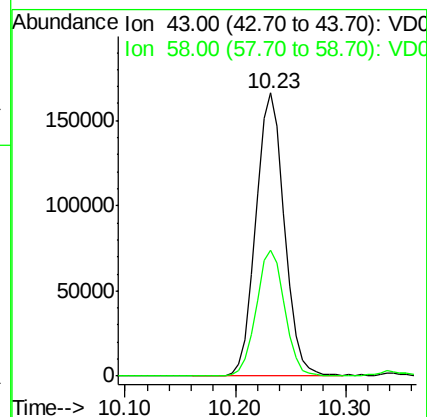
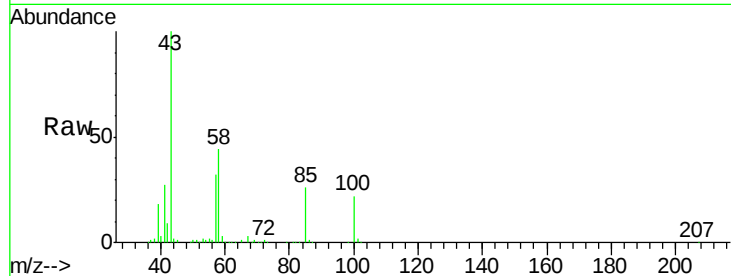
58 44.4 35.7 53.5

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#52

Toluene

Concen: 48.760 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD067301.D

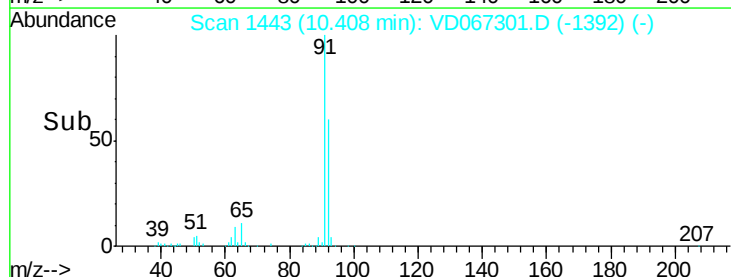
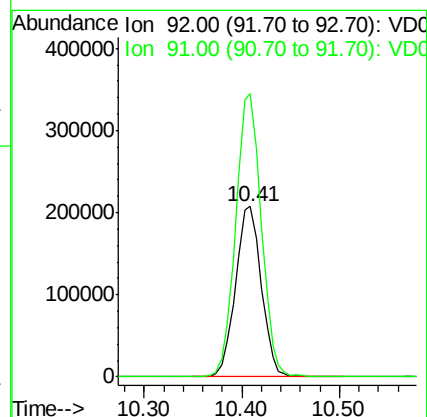
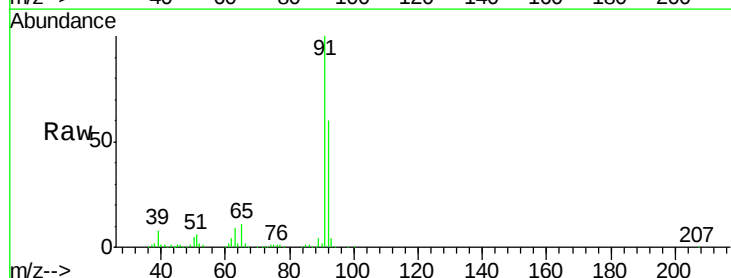
Acq: 16 Oct 2020 17:03

Tgt Ion: 92 Resp: 380882

Ion Ratio Lower Upper

92 100

91 164.8 133.8 200.8





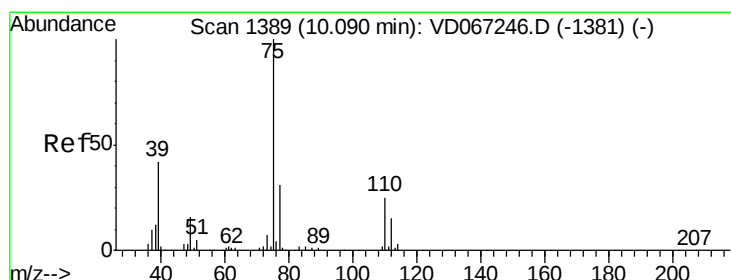
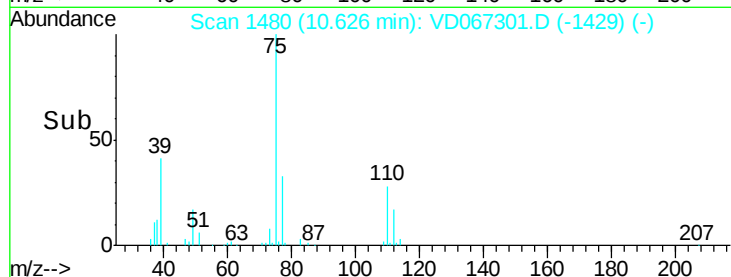
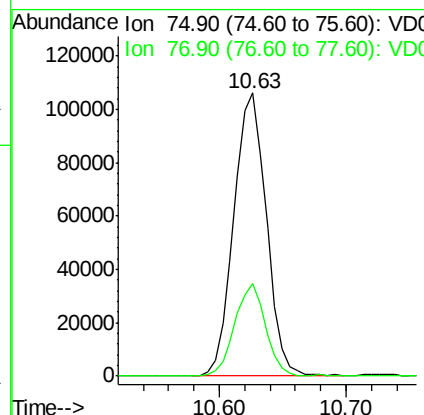
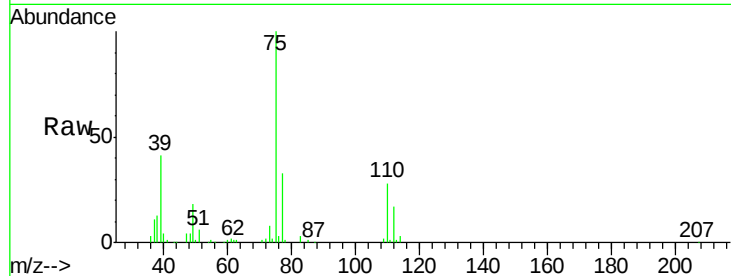
#53
t-1,3-Dichloropropene
Concen: 48.350 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD067301.D
Acq: 16 Oct 2020 17:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 188450
Ion Ratio Lower Upper
75 100
77 32.7 26.5 39.7

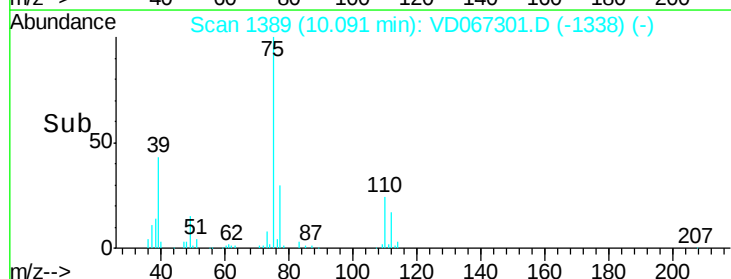
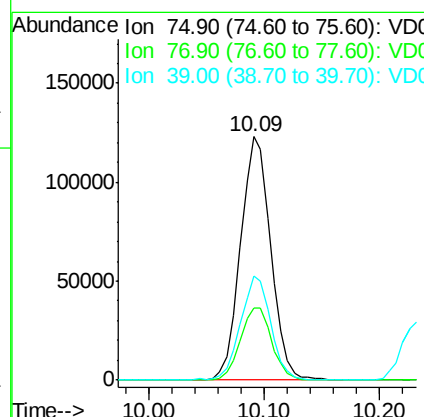
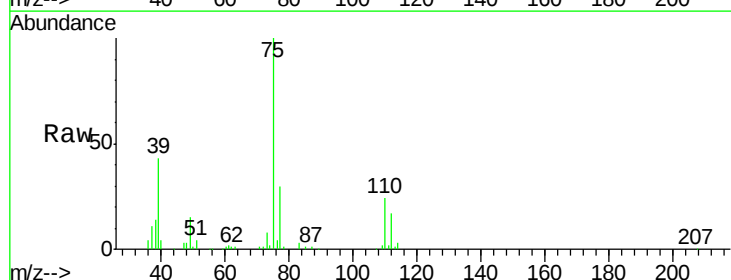
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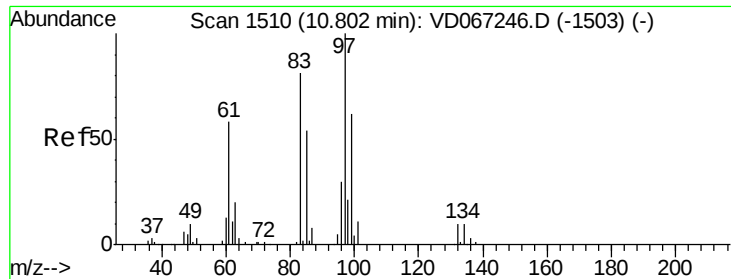
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#54
cis-1,3-Dichloropropene
Concen: 48.948 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VD067301.D
Acq: 16 Oct 2020 17:03

Tgt Ion: 75 Resp: 223274
Ion Ratio Lower Upper
75 100
77 29.8 24.5 36.7
39 42.5 33.7 50.5





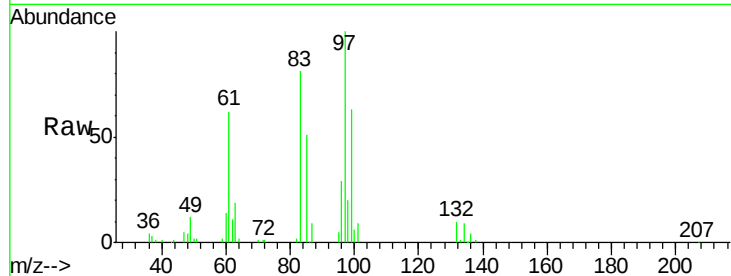
#55
 1,1,2-Trichloroethane
 Concen: 48.127 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD067301.D
 Acq: 16 Oct 2020 17:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

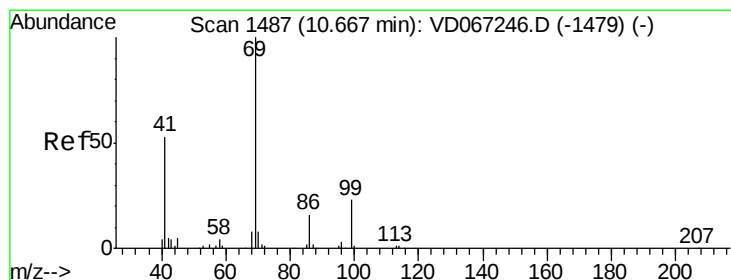
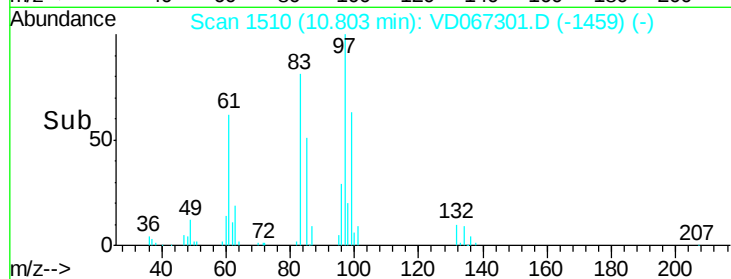
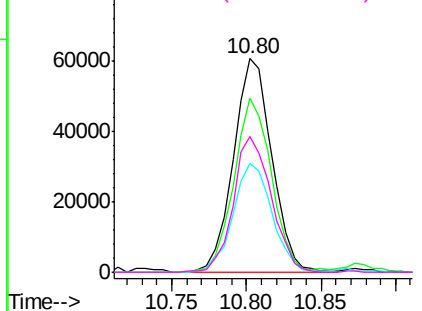
Tot Ion	97	Resp	108683
Ion	Ratio	Lower	Upper
97	100		
83	81.4	64.9	97.3
85	50.9	43.3	64.9
99	63.2	49.1	73.7

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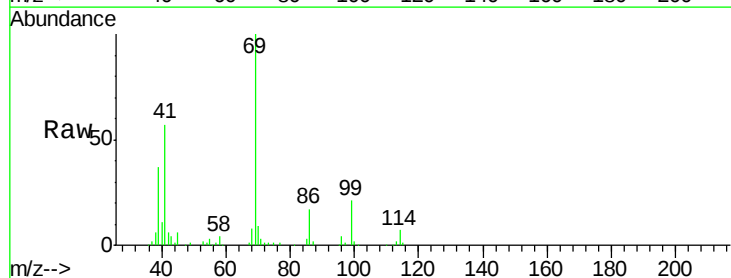


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

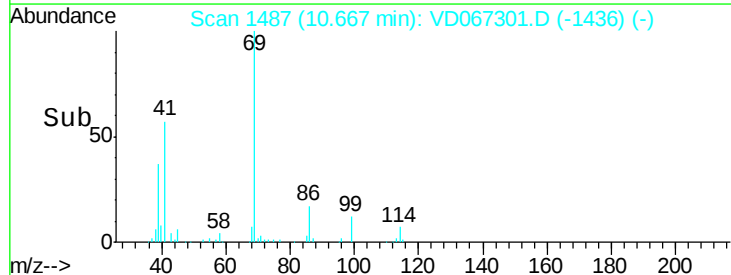
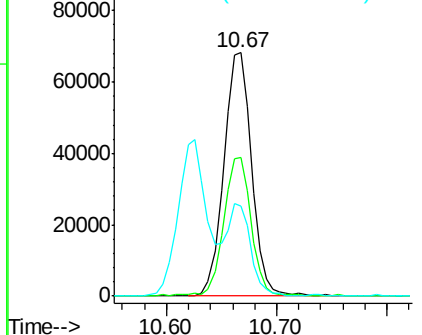


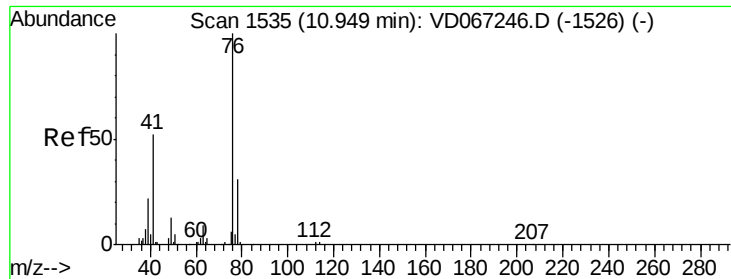
#56
 Ethyl methacrylate
 Concen: 51.233 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD067301.D
 Acq: 16 Oct 2020 17:03

Tgt Ion	69	Resp	119991
Ion	Ratio	Lower	Upper
69	100		
41	56.6	44.7	67.1
39	30.6	26.2	39.2



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





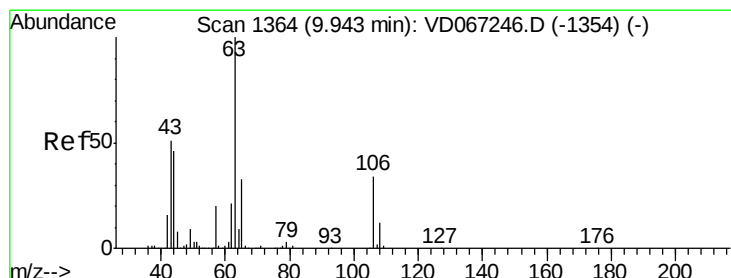
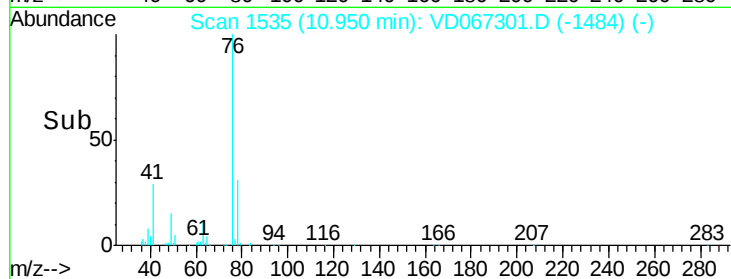
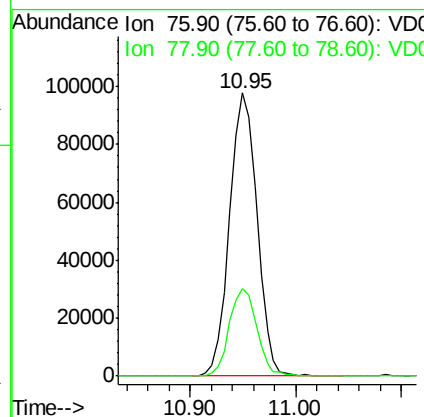
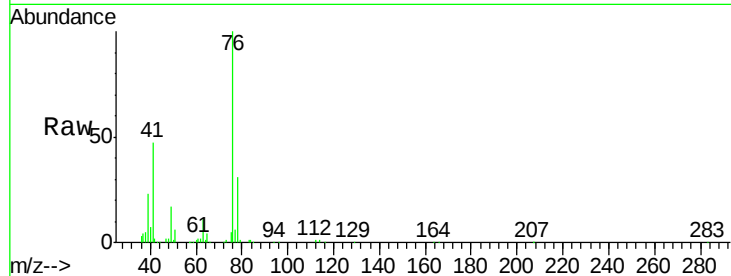
#57
 1,3-Dichloropropane
 Concen: 48.982 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD067301.D
 Acq: 16 Oct 2020 17:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.1	26.8	40.2

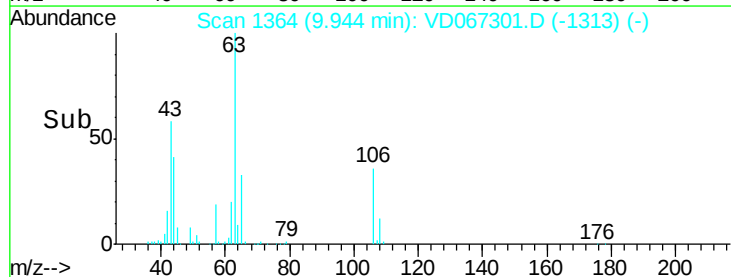
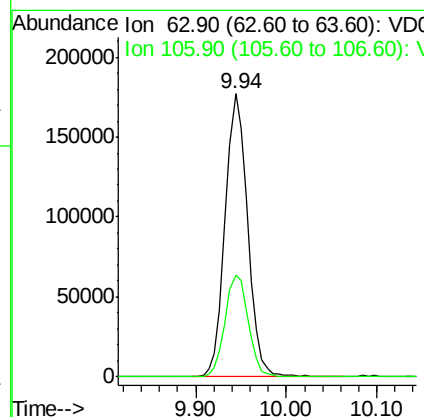
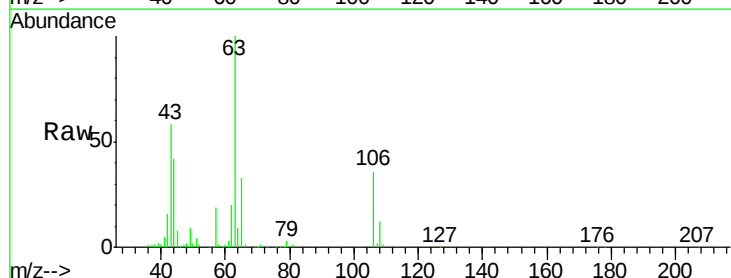
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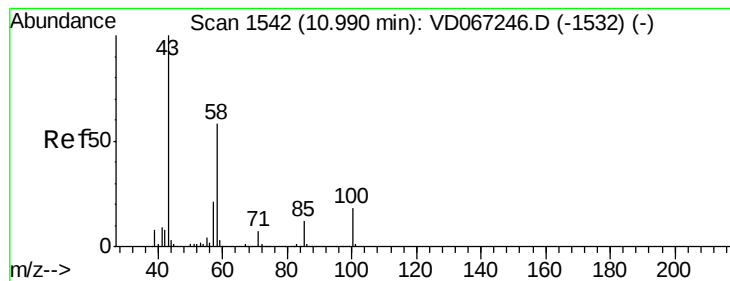
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#58
 2-Chloroethyl Vinyl ether
 Concen: 254.040 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD067301.D
 Acq: 16 Oct 2020 17:03

Tgt Ion	Ratio	Lower	Upper
63	100		
106	36.9	27.8	41.6





#59

2-Hexanone

Concen: 252.389 ug/l

RT: 10.99 min Scan# 1542

Delta R.T. 0.00 min

Lab File: VD067301.D

Acq: 16 Oct 2020 17:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 209942

Ion Ratio Lower Upper

43 100

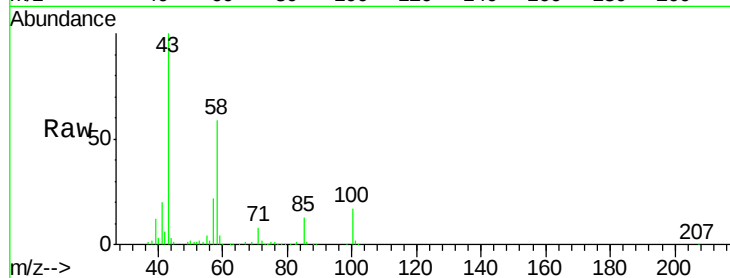
58 60.0 29.3 87.9

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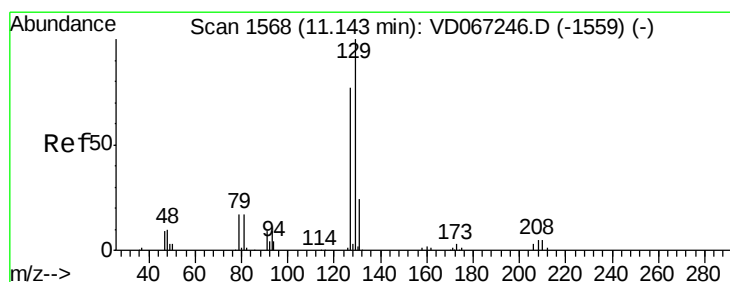
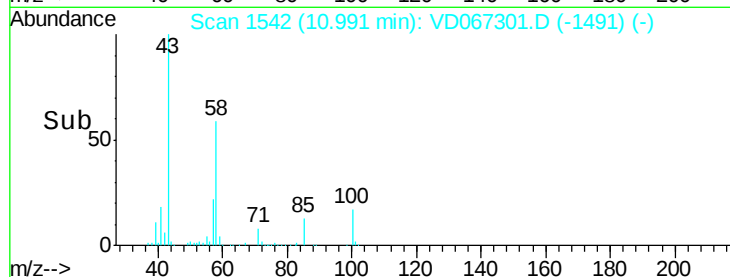
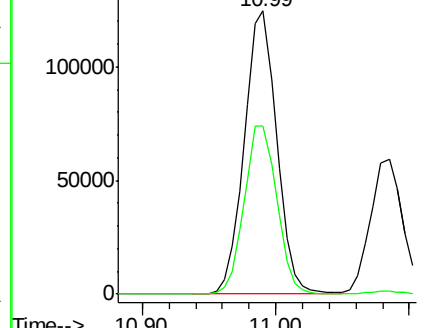
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#60

Dibromochloromethane

Concen: 48.201 ug/l

RT: 11.14 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VD067301.D

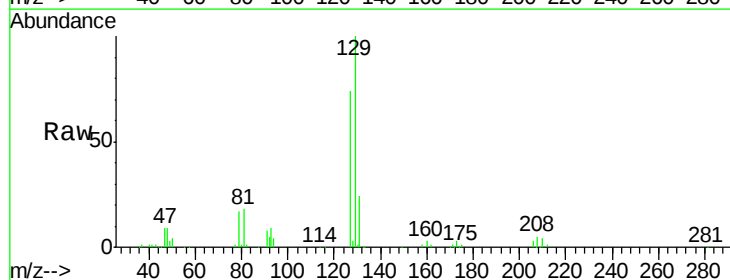
Acq: 16 Oct 2020 17:03

Tgt Ion: 129 Resp: 158744

Ion Ratio Lower Upper

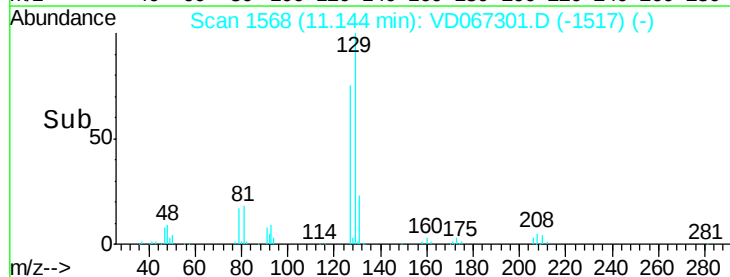
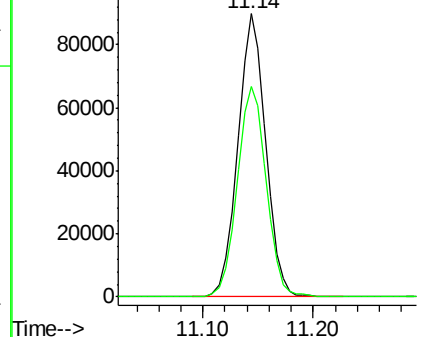
129 100

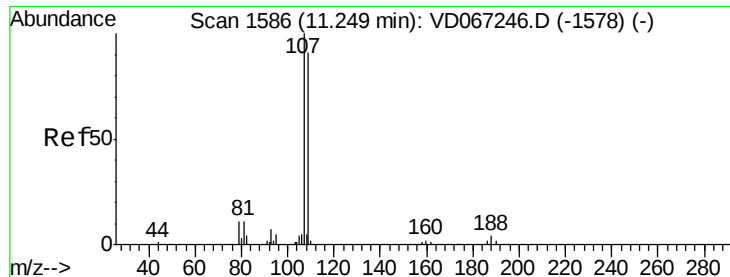
127 77.5 38.3 114.8



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





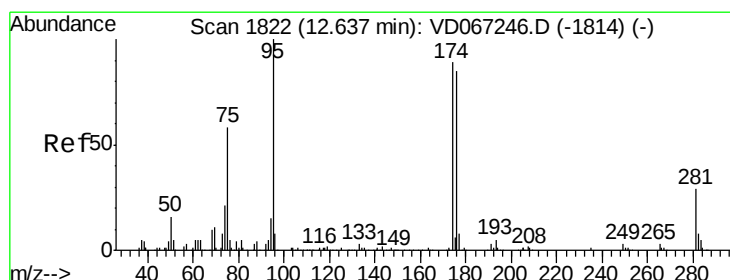
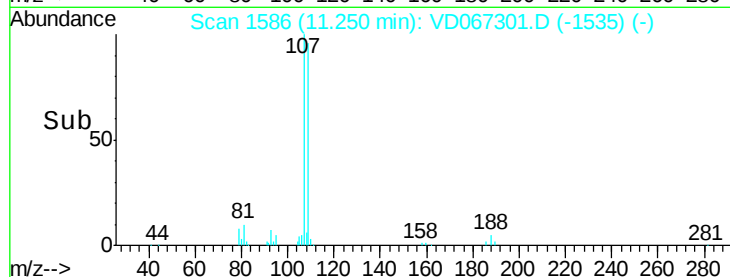
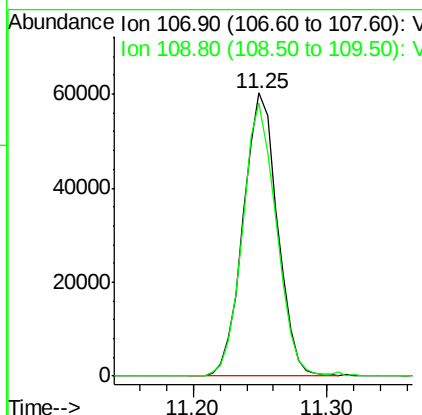
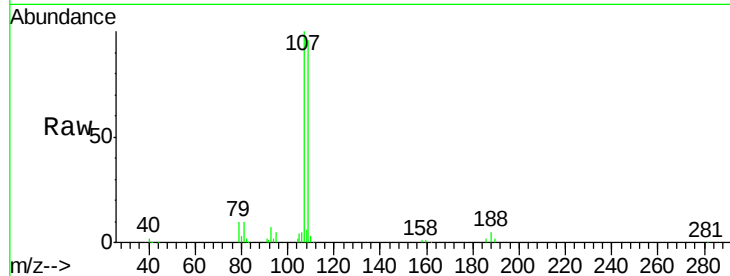
#61
 1,2-Dibromoethane
 Concen: 47.849 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD067301.D
 Acq: 16 Oct 2020 17:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 107 Resp: 106528
 Ion Ratio Lower Upper
 107 100
 109 95.3 74.6 112.0

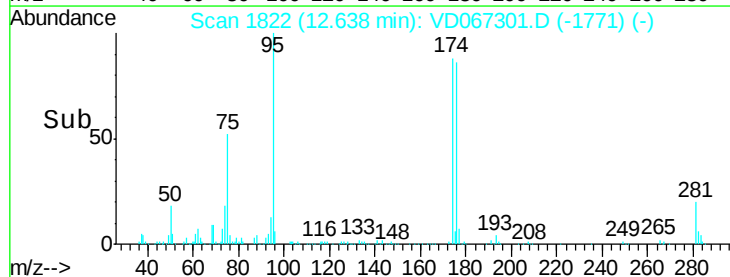
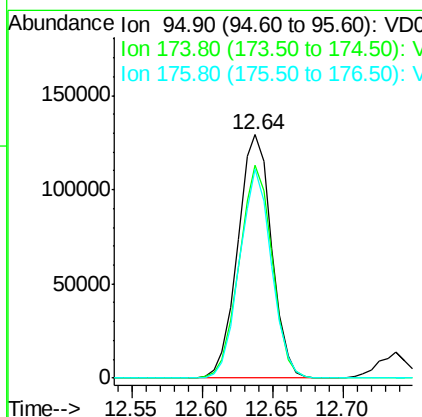
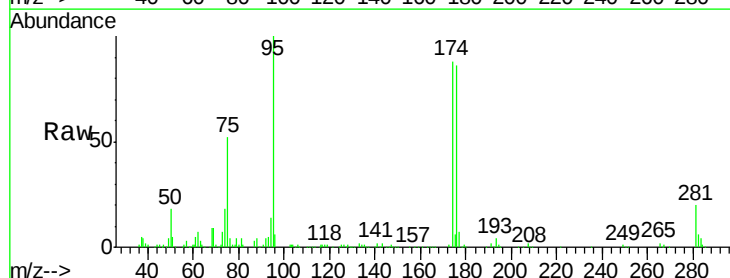
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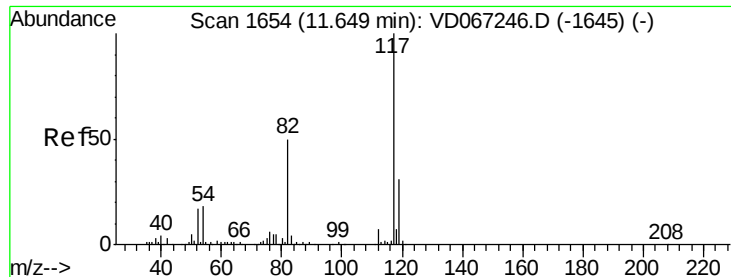
MMDadoda
 10/19/2020 11:09:32 AM



#62
 4-Bromofluorobenzene
 Concen: 52.231 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD067301.D
 Acq: 16 Oct 2020 17:03

Tgt Ion: 95 Resp: 215745
 Ion Ratio Lower Upper
 95 100
 174 85.2 0.0 175.2
 176 81.6 0.0 168.6





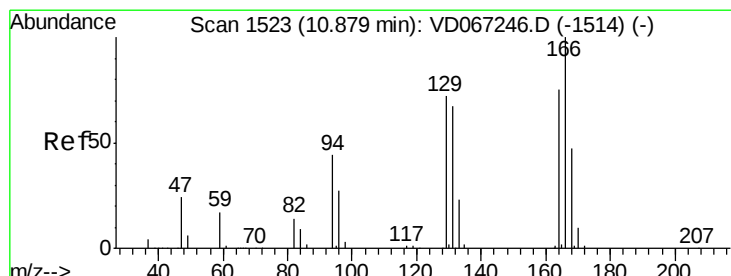
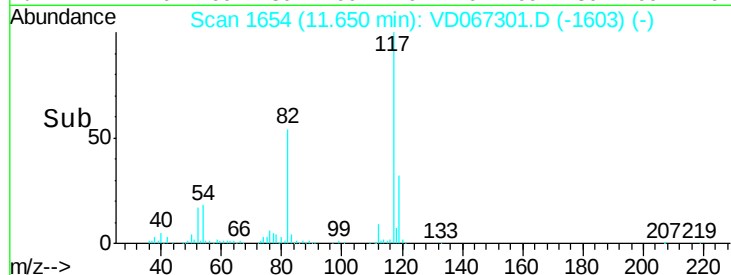
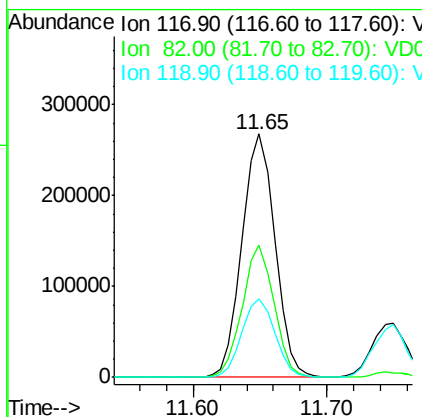
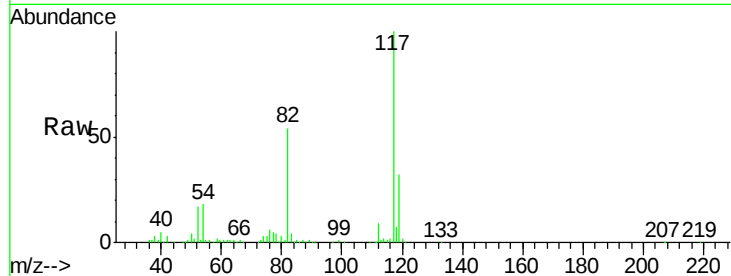
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067301.D
Acq: 16 Oct 2020 17:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.1	39.9	59.9
119	32.0	24.9	37.3

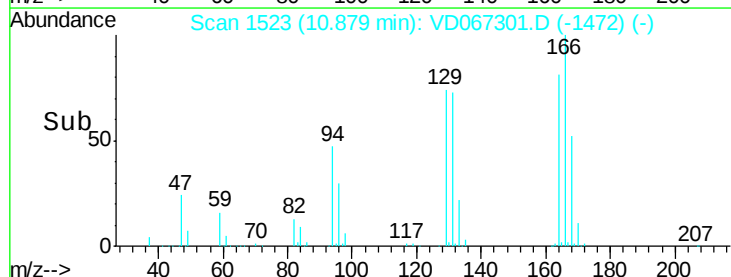
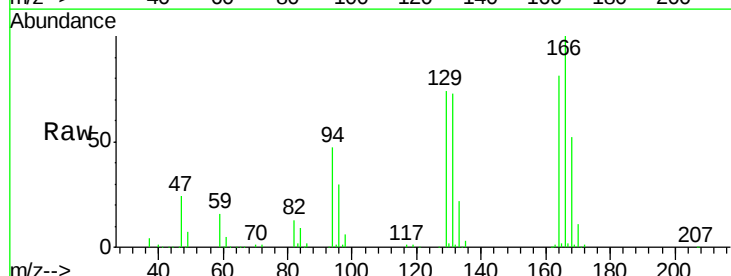
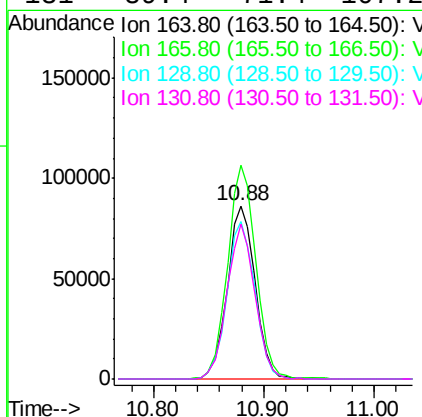
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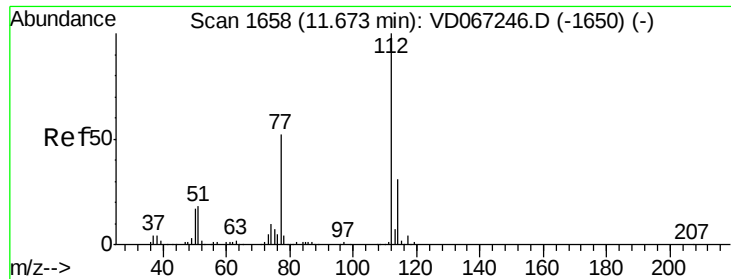
MMDadoda
10/19/2020 11:09:32 AM



#64
Tetrachloroethene
Concen: 45.865 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067301.D
Acq: 16 Oct 2020 17:03

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.2	107.3	160.9
129	91.0	77.3	115.9
131	89.4	71.4	107.2





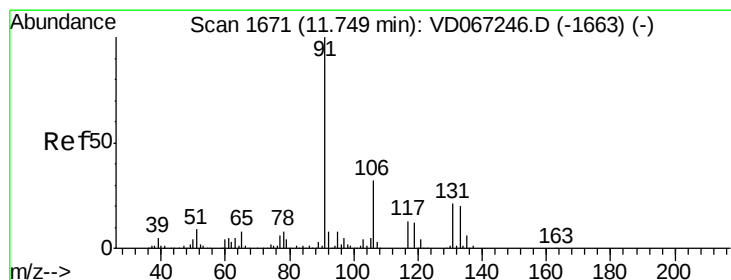
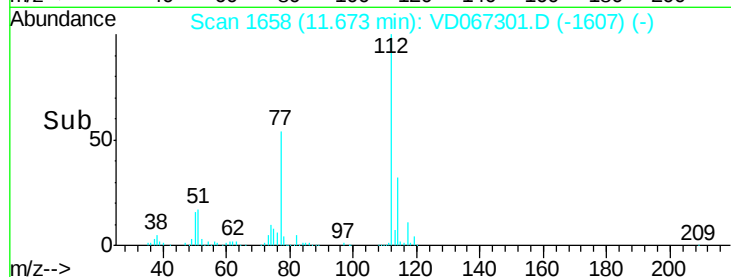
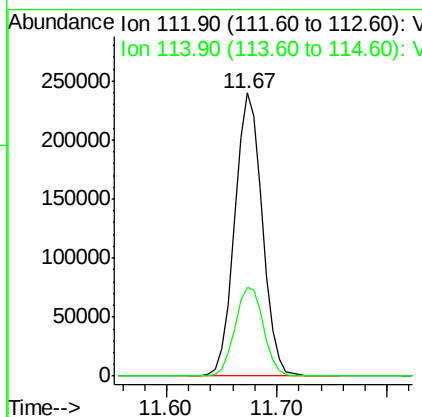
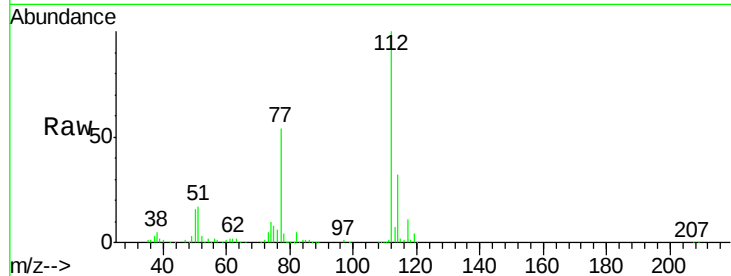
#65
Chlorobenzene
Concen: 47.654 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD067301.D
Acq: 16 Oct 2020 17:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 419967
Ion Ratio Lower Upper
112 100
114 31.6 25.0 37.4

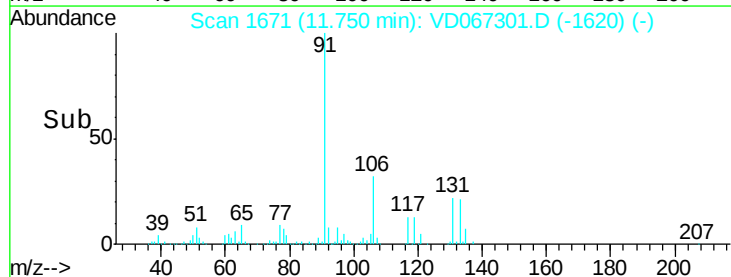
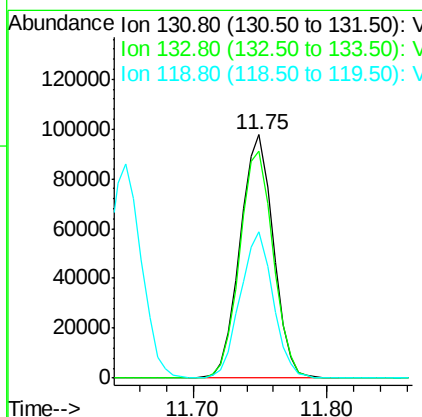
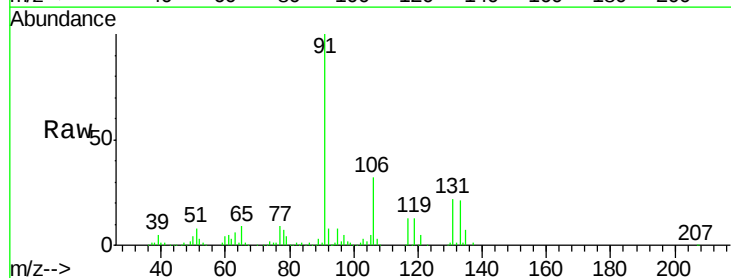
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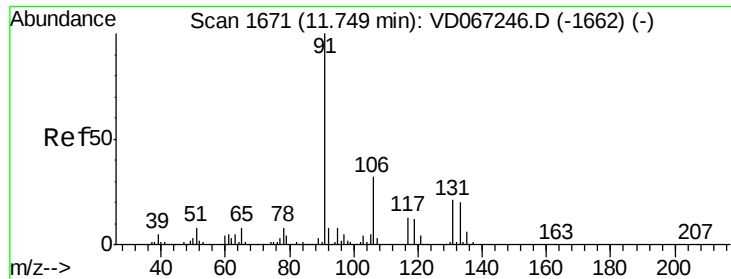
MMDadoda
10/19/2020 11:09:32 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 48.116 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067301.D
Acq: 16 Oct 2020 17:03

Tgt Ion:131 Resp: 168531
Ion Ratio Lower Upper
131 100
133 94.3 48.1 144.3
119 59.5 30.0 90.0





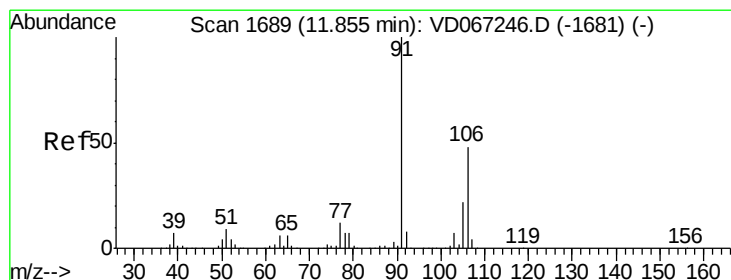
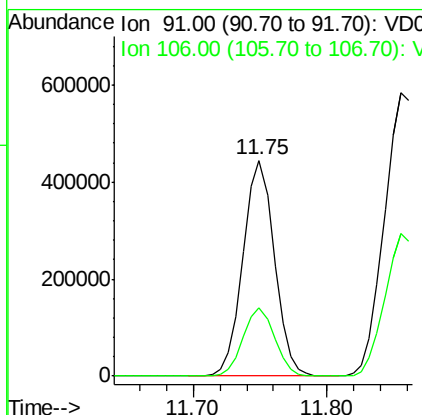
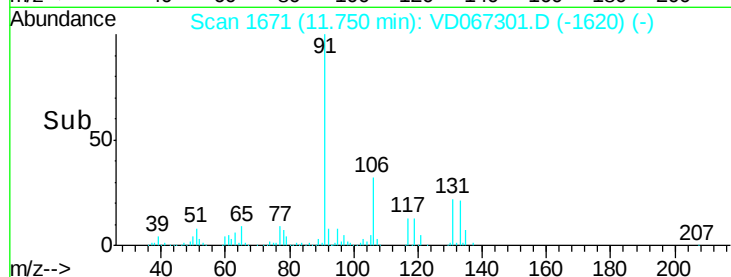
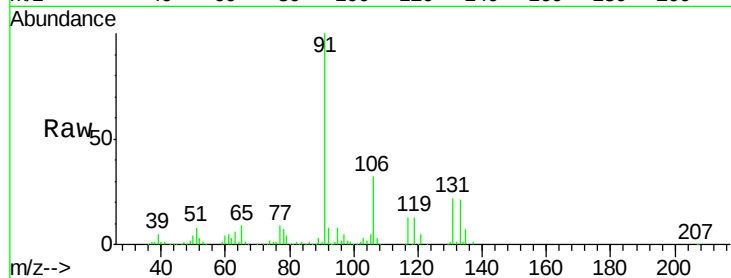
#67
Ethyl Benzene
Concen: 47.967 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067301.D
Acq: 16 Oct 2020 17:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 724632
Ion Ratio Lower Upper
91 100
106 31.7 25.4 38.0

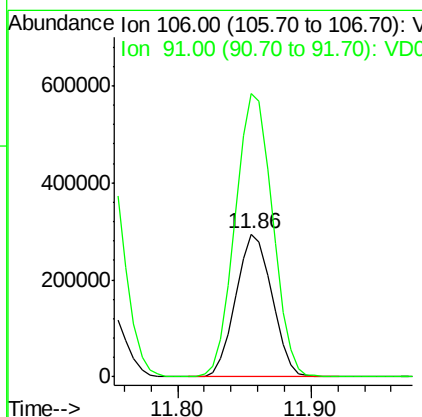
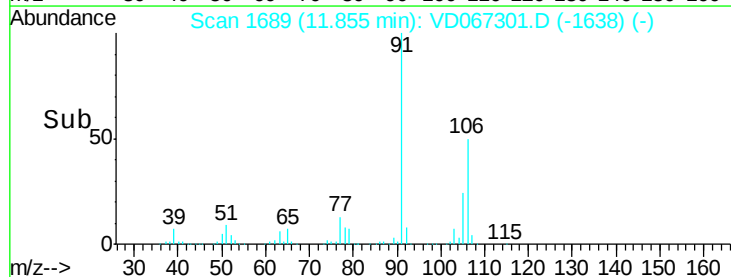
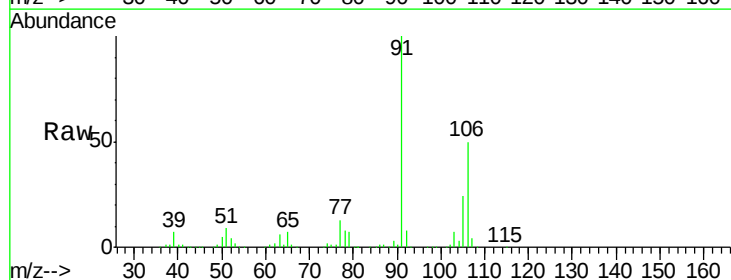
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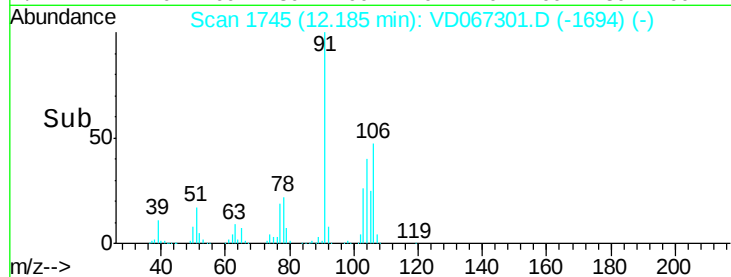
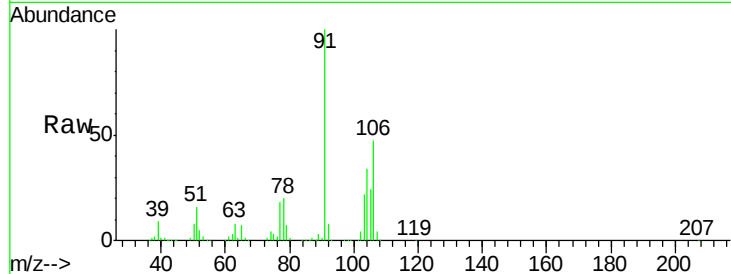
MMDadoda
10/19/2020 11:09:32 AM



#68
m/p-Xylenes
Concen: 95.490 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD067301.D
Acq: 16 Oct 2020 17:03

Tgt Ion: 106 Resp: 555502
Ion Ratio Lower Upper
106 100
91 203.8 163.8 245.8





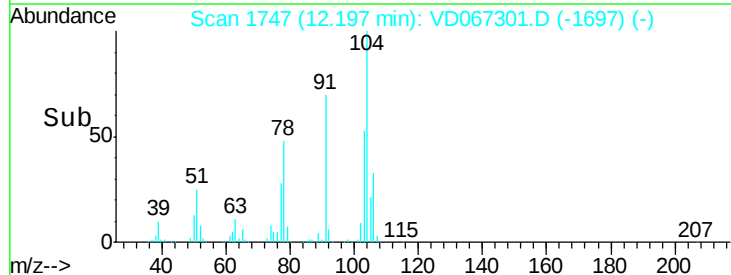
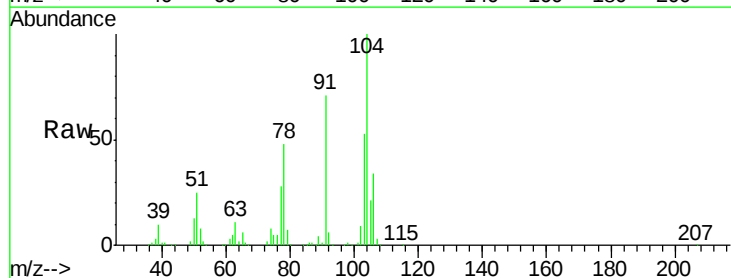
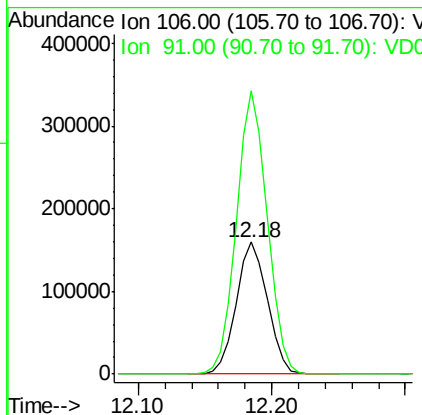
#69
o-Xylene
Concen: 47.995 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067301.D
Acq: 16 Oct 2020 17:03

Tot Ion	Ratio	Resp	Lower	Upper
106	100	258549		
91	211.3	109.1	327.3	

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

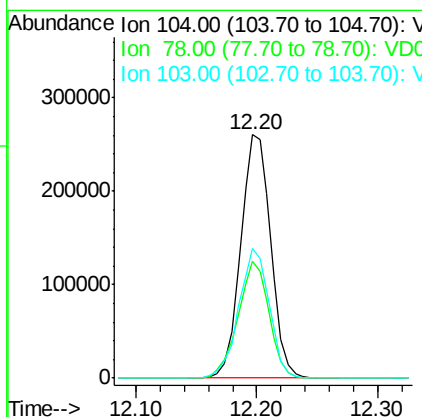
Manual Integrations
APPROVED

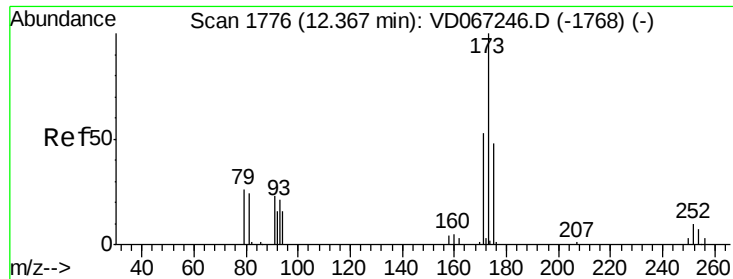
MMDadoda
10/19/2020 11:09:32 AM



#70
Styrene
Concen: 48.545 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD067301.D
Acq: 16 Oct 2020 17:03

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	450172		
78	49.5	39.8	59.6	
103	54.4	42.6	64.0	





#71

Bromoform

Concen: 47.531 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD067301.D

Acq: 16 Oct 2020 17:03

Instrument :

MSVOA_D

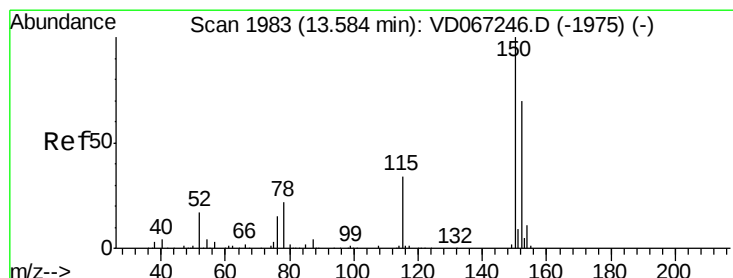
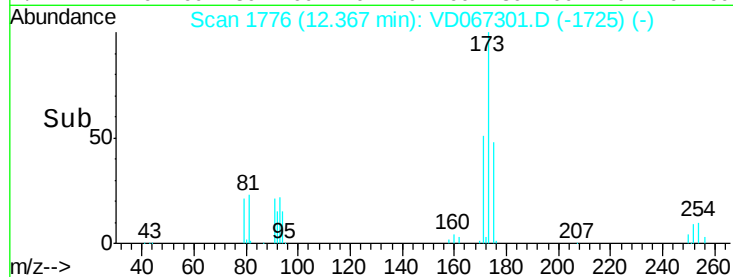
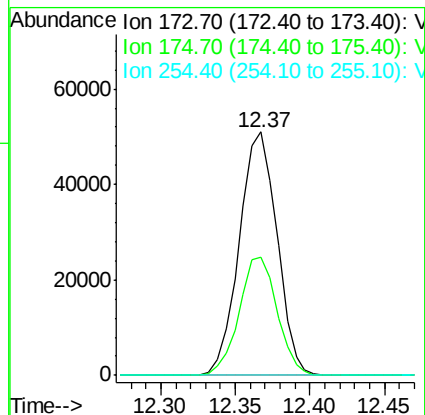
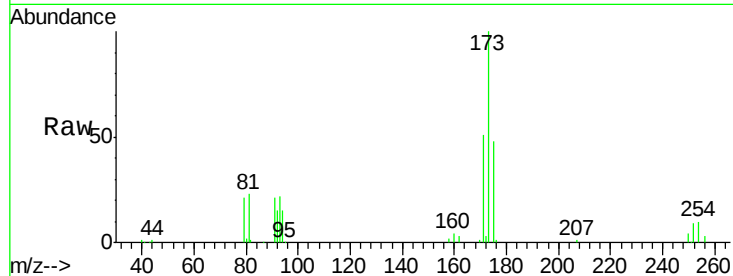
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.2	72.6
254	0.1	0.1	0.1

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

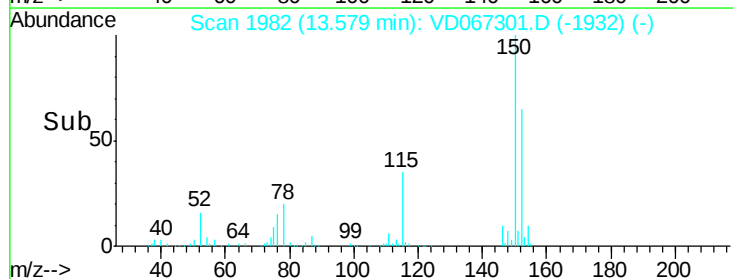
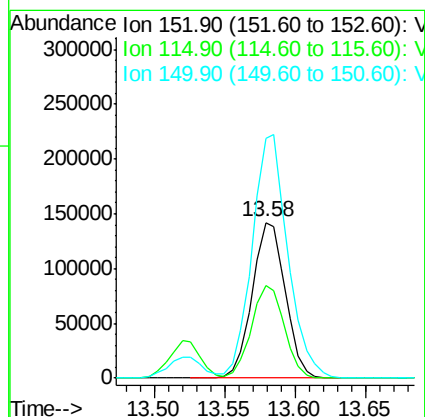
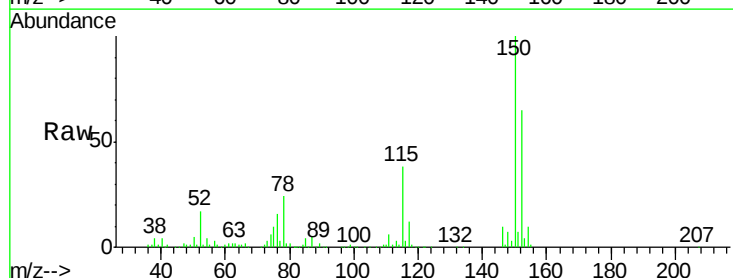
RT: 13.58 min Scan# 1982

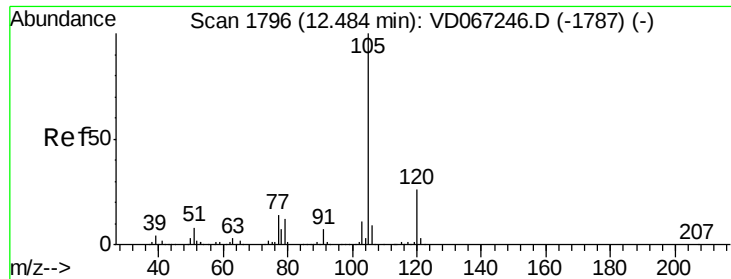
Delta R.T. -0.01 min

Lab File: VD067301.D

Acq: 16 Oct 2020 17:03

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.1	29.3	87.9
150	168.9	0.0	339.0





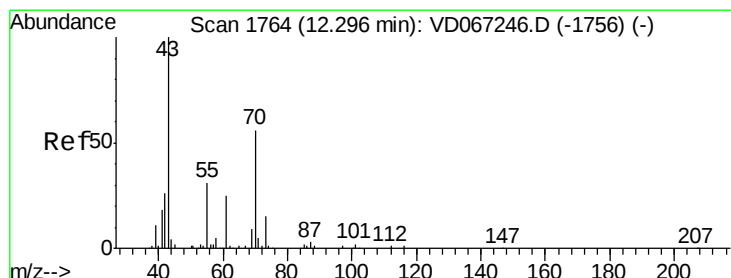
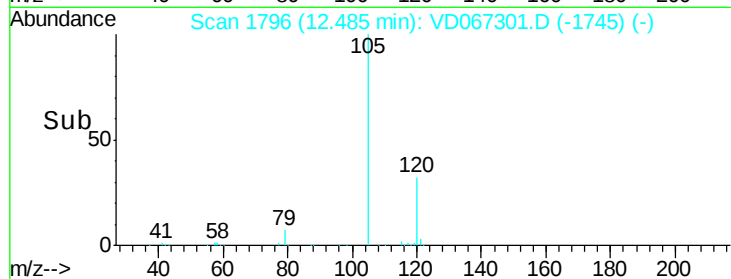
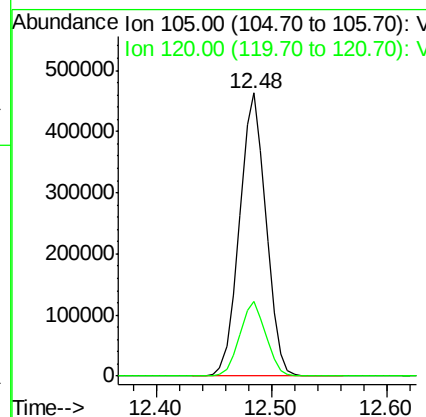
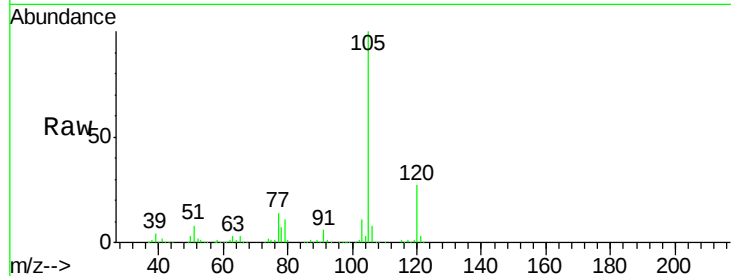
#73
Isopropylbenzene
Concen: 49.284 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VD067301.D
Acq: 16 Oct 2020 17:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.1	13.3	39.8

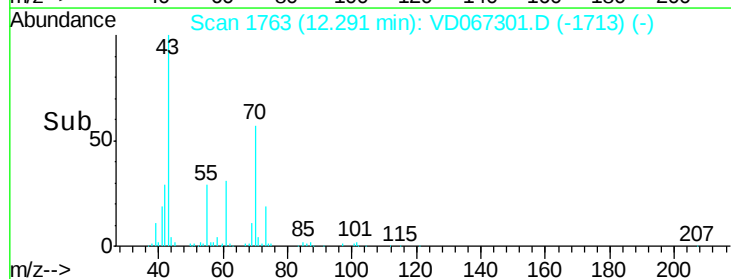
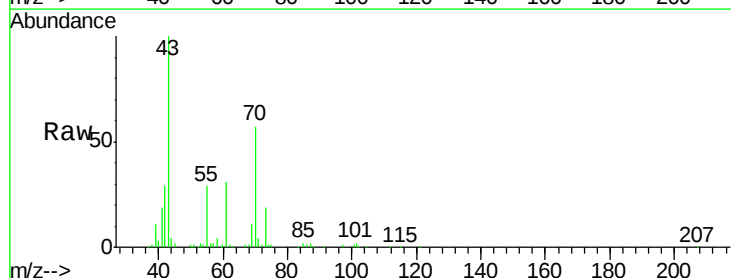
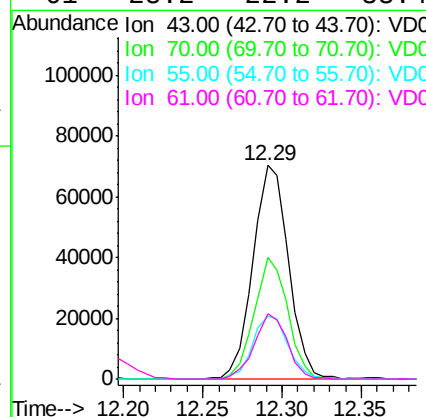
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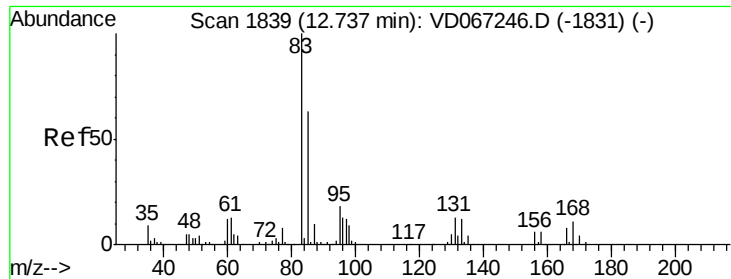
MMDadoda
10/19/2020 11:09:32 AM



#74
N-ethyl acetate
Concen: 48.983 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. -0.01 min
Lab File: VD067301.D
Acq: 16 Oct 2020 17:03

Tgt Ion	Ratio	Lower	Upper
43	100		
70	53.8	42.7	64.1
55	29.5	24.0	36.0
61	28.2	22.2	33.4





#75

1,1,2,2-Tetrachloroethane

Concen: 47.489 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD067301.D

Acq: 16 Oct 2020 17:03

Instrument :

MSVOA_D

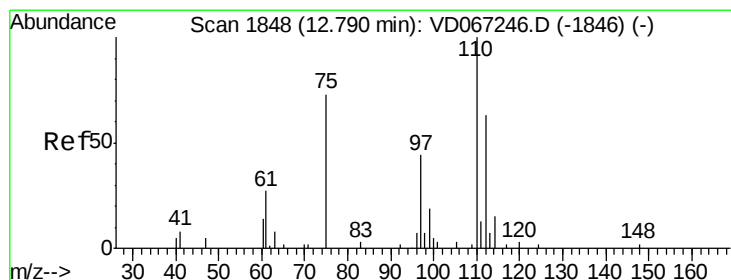
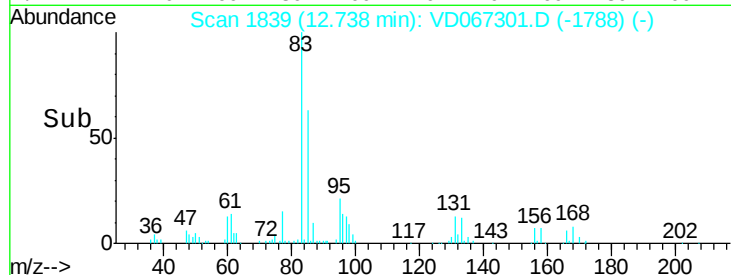
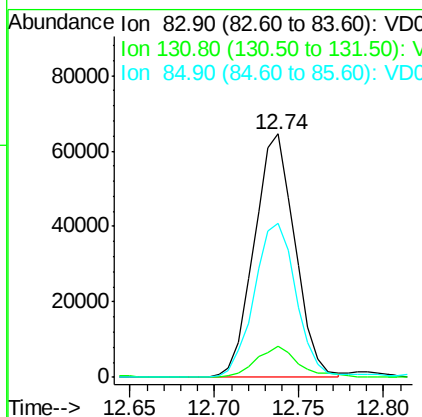
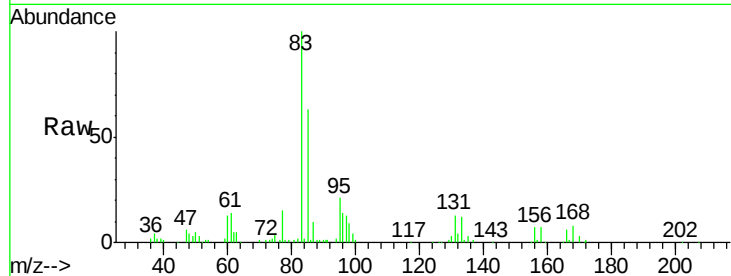
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	108108
Ion Ratio	Lower	Upper	
83	100		
131	13.1	6.5	19.5
85	66.2	32.6	97.7

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#76

1,2,3-Trichloropropane

Concen: 50.143 ug/l m

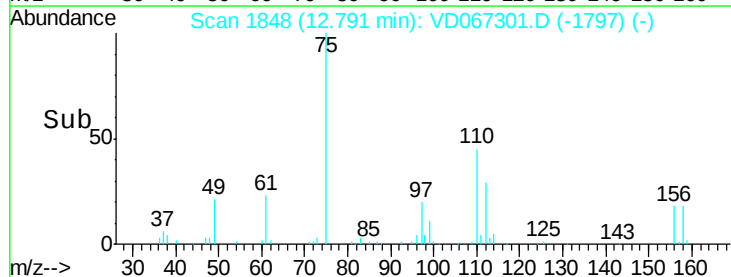
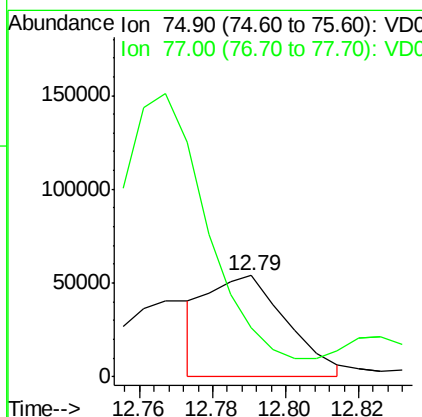
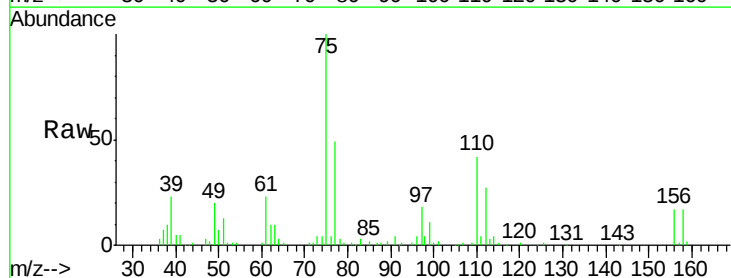
RT: 12.79 min Scan# 1848

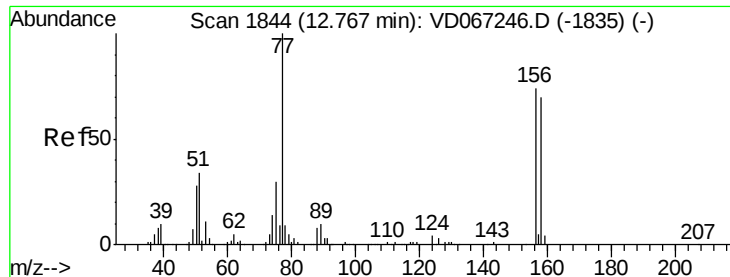
Delta R.T. 0.00 min

Lab File: VD067301.D

Acq: 16 Oct 2020 17:03

Tgt Ion:	75	Resp:	81357
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 47.118 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD067301.D

Acq: 16 Oct 2020 17:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 174529

Ion Ratio Lower Upper

156 100

77 158.2 78.0 233.8

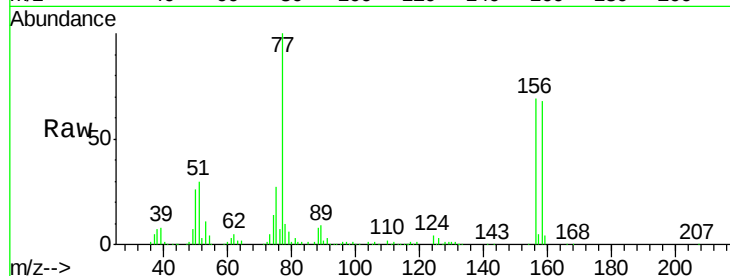
158 97.7 49.1 147.3

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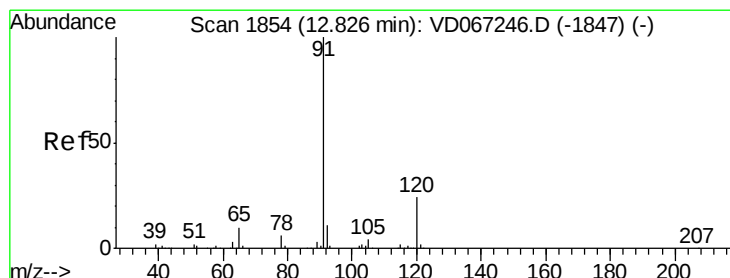
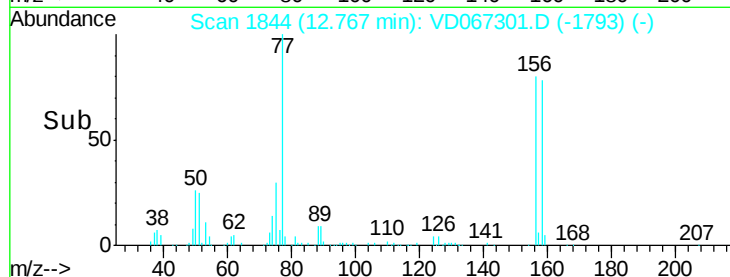
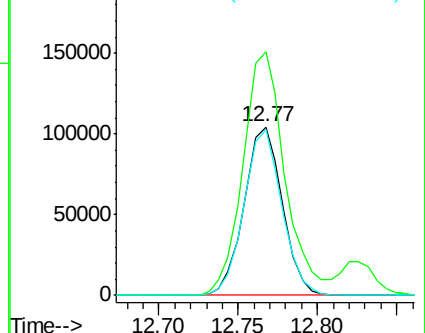
10/19/2020 11:09:32 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.302 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD067301.D

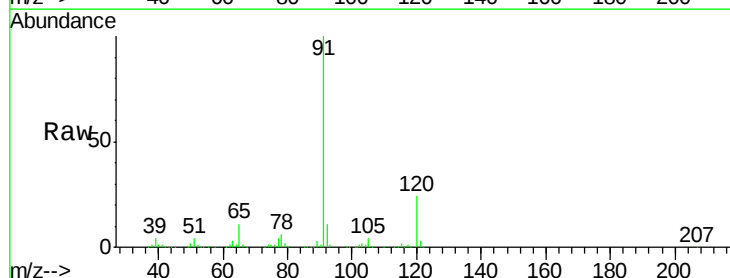
Acq: 16 Oct 2020 17:03

Tgt Ion: 91 Resp: 831477

Ion Ratio Lower Upper

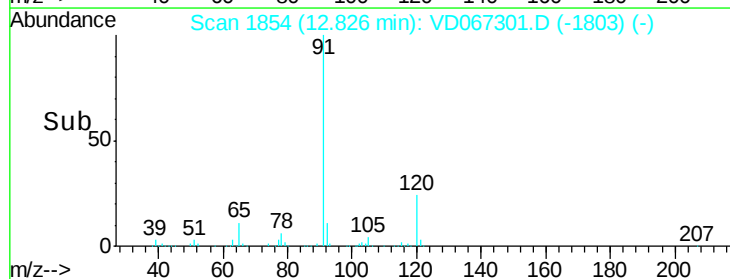
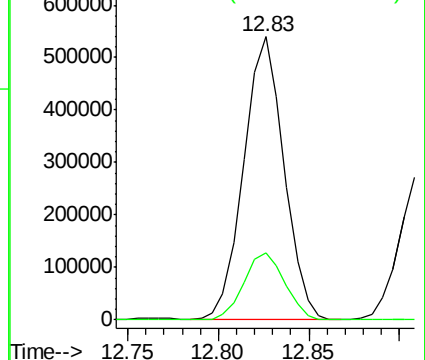
91 100

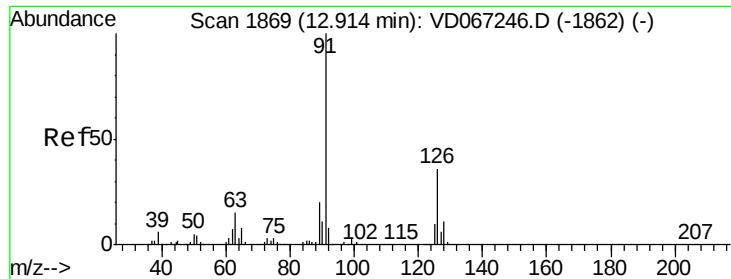
120 24.1 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





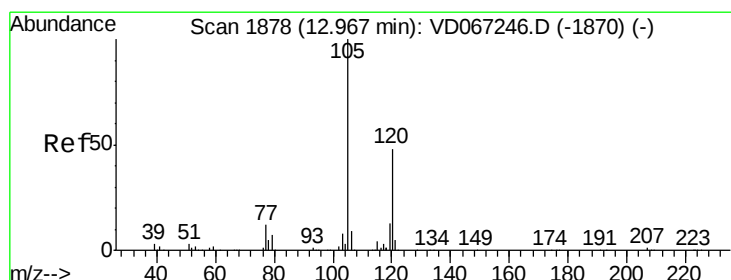
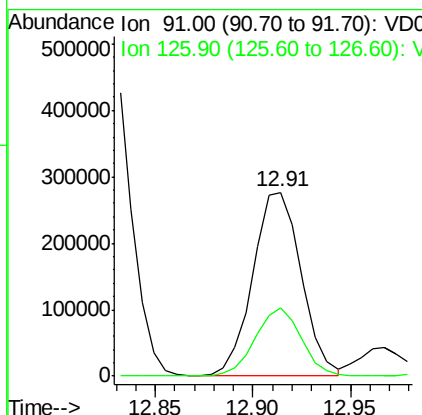
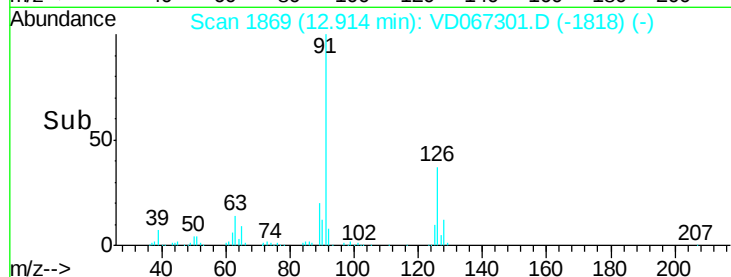
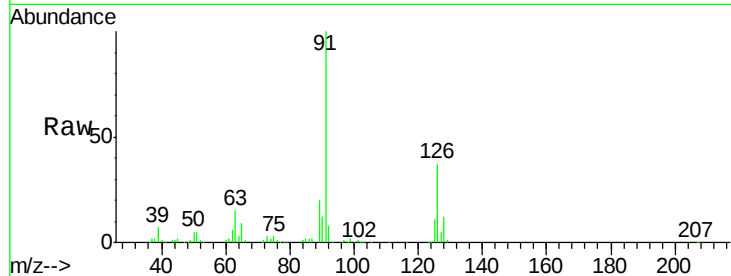
#79
 2-Chlorotoluene
 Concen: 47.811 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD067301.D
 Acq: 16 Oct 2020 17:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 477286
 Ion Ratio Lower Upper
 91 100
 126 35.2 17.6 52.8

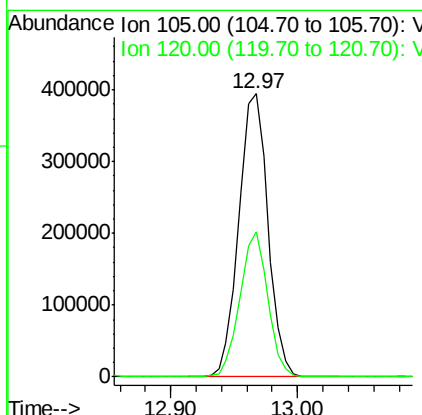
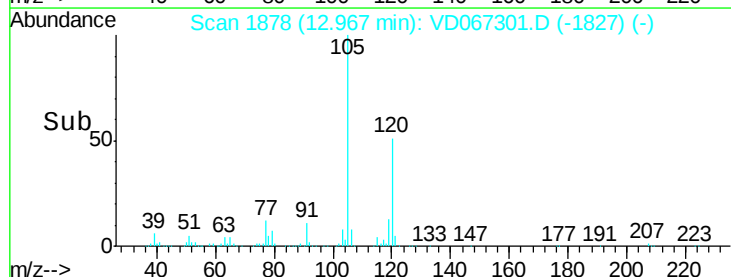
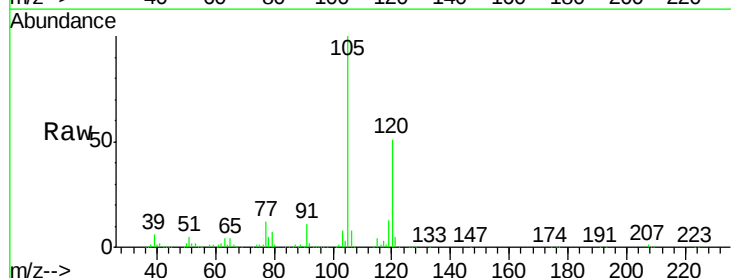
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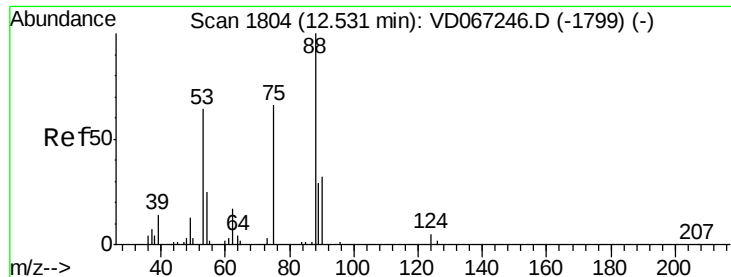
MMDadoda
 10/19/2020 11:09:32 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 48.641 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD067301.D
 Acq: 16 Oct 2020 17:03

Tgt Ion: 105 Resp: 627998
 Ion Ratio Lower Upper
 105 100
 120 48.8 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 48.943 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD067301.D

Acq: 16 Oct 2020 17:03

Instrument :

MSVOA_D

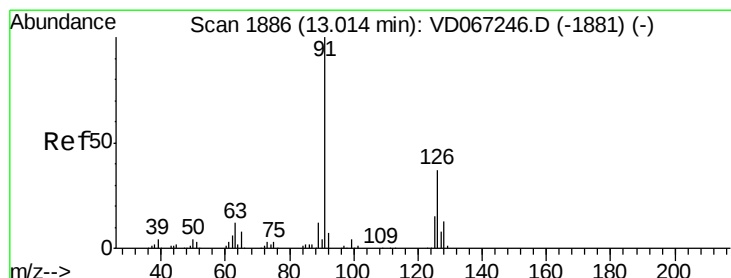
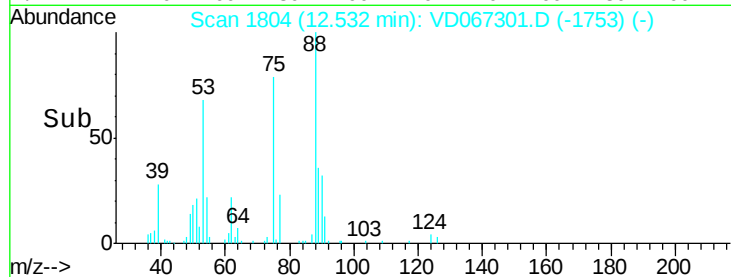
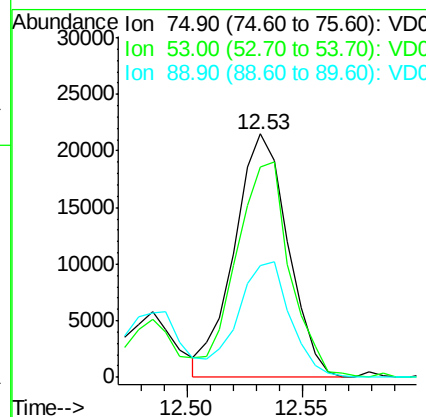
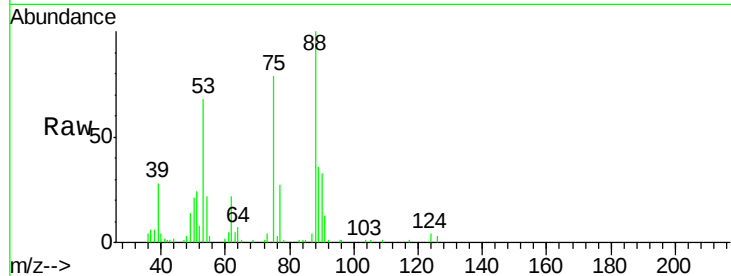
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	35018
Ion Ratio	Lower	Upper	
75	100		
53	88.7	78.5	117.7
89	46.0	39.9	59.9

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#82

4-Chlorotoluene

Concen: 47.544 ug/l

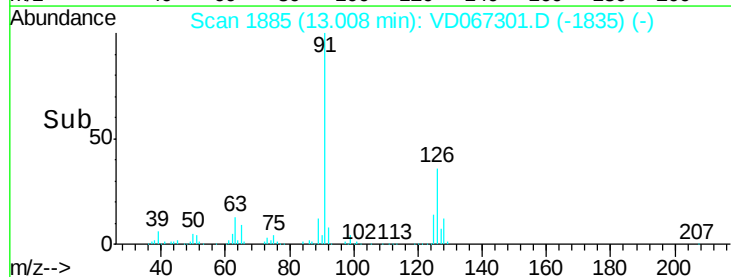
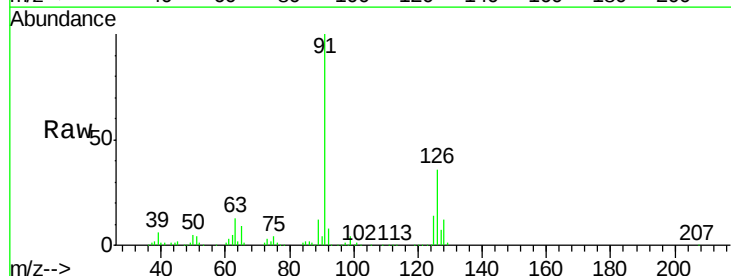
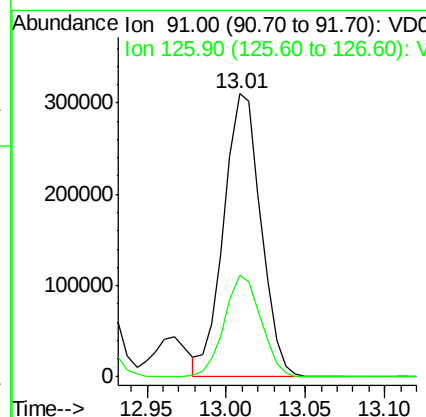
RT: 13.01 min Scan# 1885

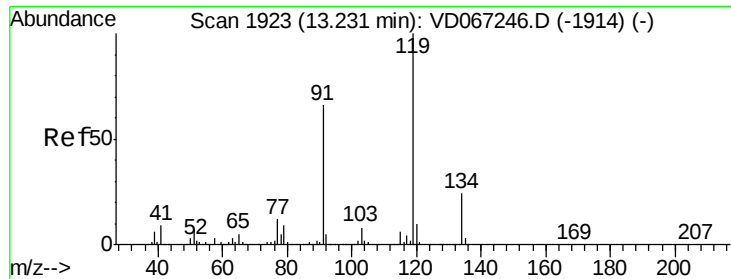
Delta R.T. -0.01 min

Lab File: VD067301.D

Acq: 16 Oct 2020 17:03

Tgt Ion:	91	Resp:	503744
Ion Ratio	Lower	Upper	
91	100		
126	35.5	17.8	53.5





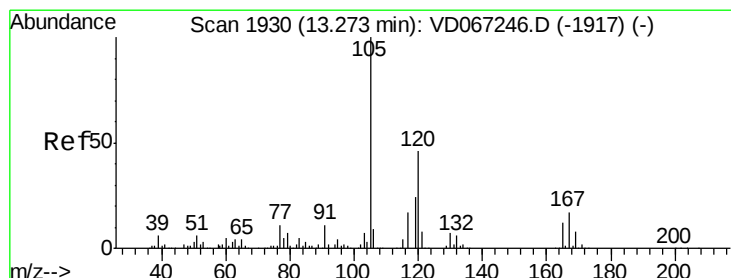
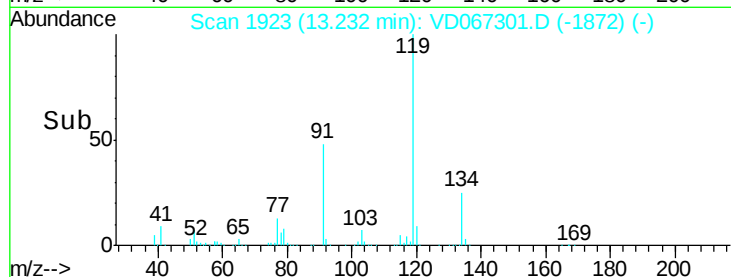
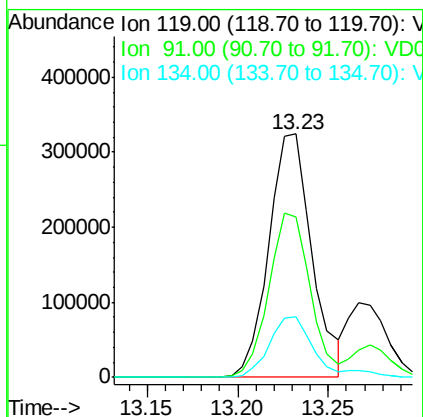
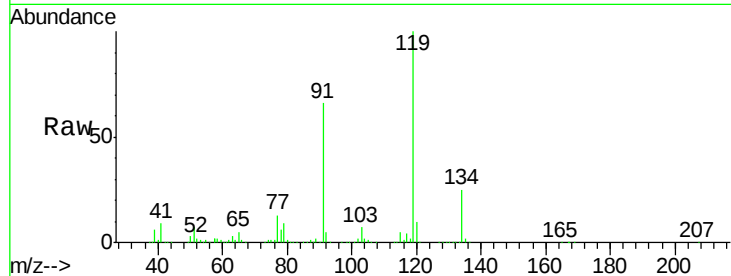
#83
tert-Butylbenzene
Concen: 49.423 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD067301.D
Acq: 16 Oct 2020 17:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	539013		
91	64.8		33.1	99.2
134	26.6		13.3	39.9

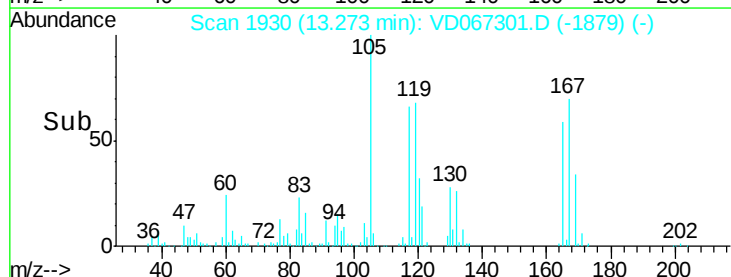
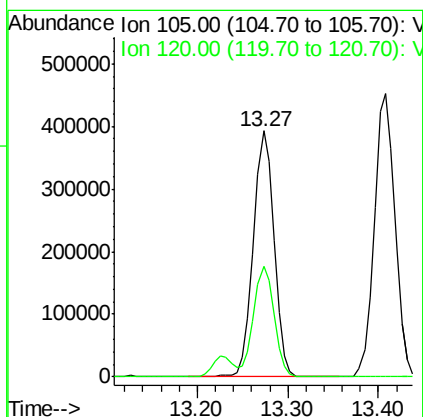
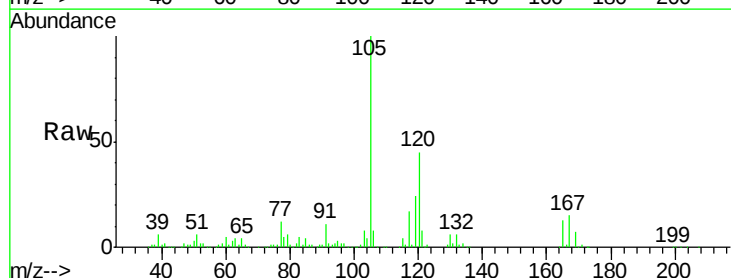
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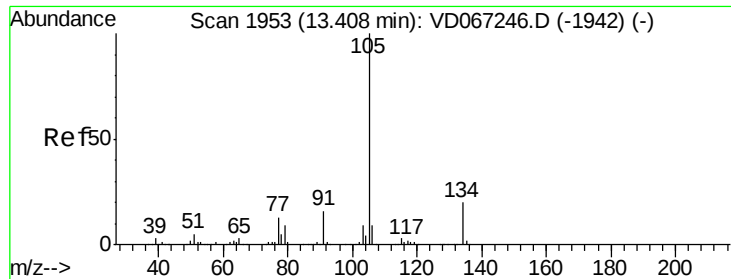
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 48.800 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067301.D
Acq: 16 Oct 2020 17:03

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	622726		
120	44.9		22.4	67.3





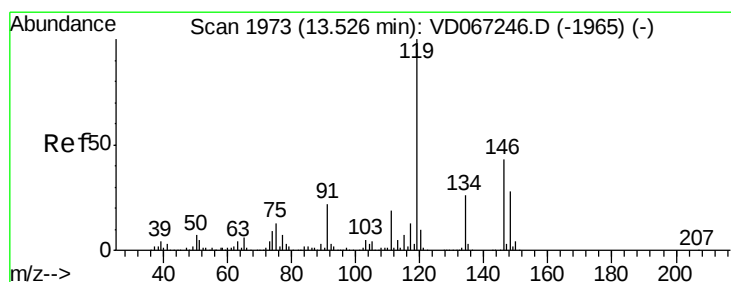
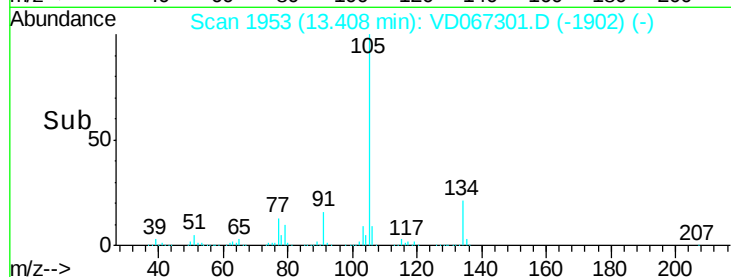
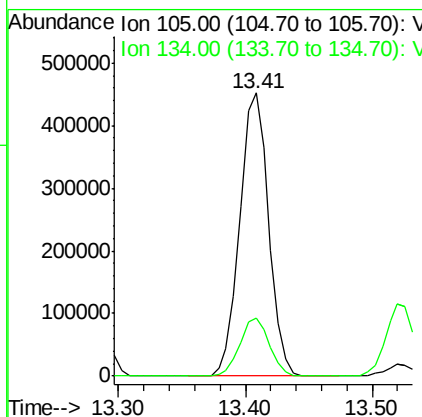
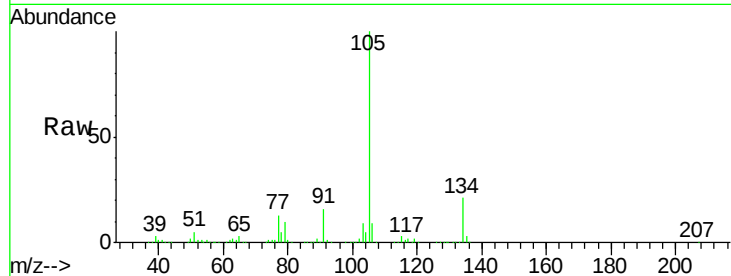
#85
 sec-Butylbenzene
 Concen: 47.583 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD067301.D
 Acq: 16 Oct 2020 17:03

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.0	10.5	31.5

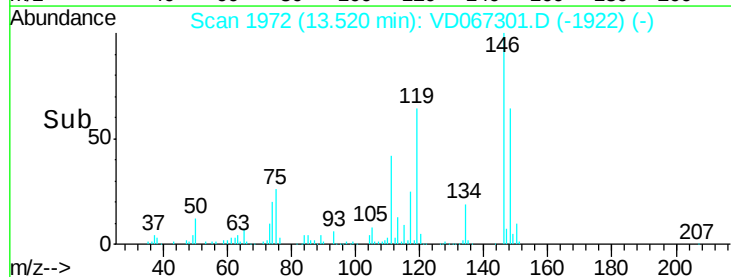
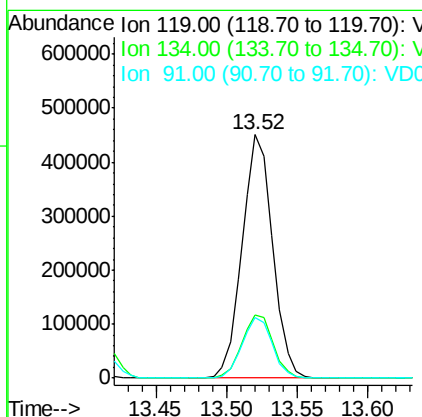
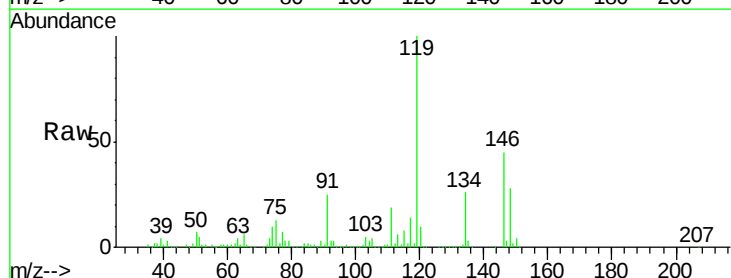
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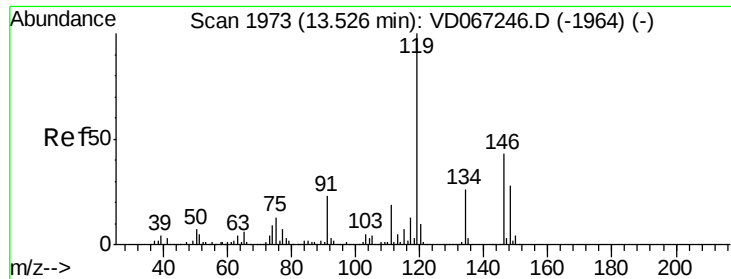
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#86
 p-Isopropyltoluene
 Concen: 48.120 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD067301.D
 Acq: 16 Oct 2020 17:03

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.4	13.1	39.3
91	24.5	11.9	35.9





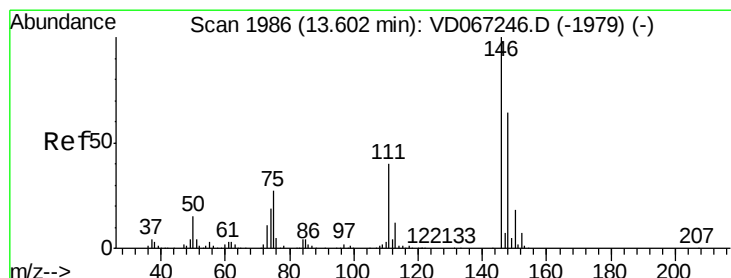
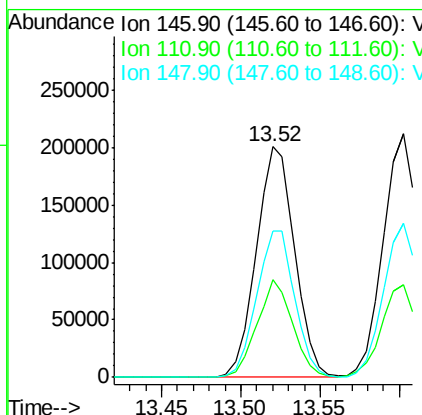
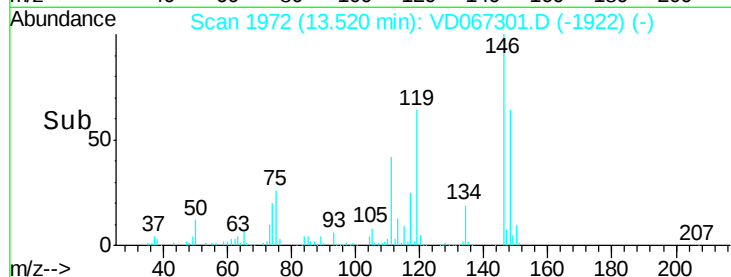
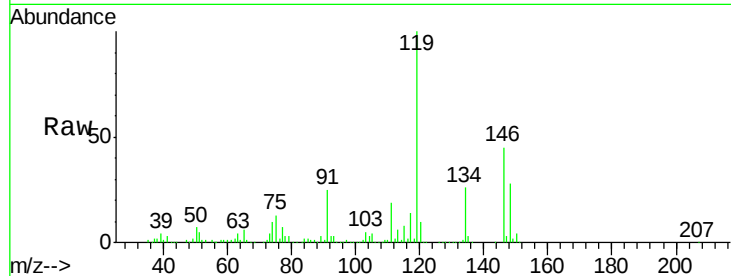
#87
 1,3-Dichlorobenzene
 Concen: 47.308 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD067301.D
 Acq: 16 Oct 2020 17:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	21.1	63.3
148	63.2	31.9	95.9

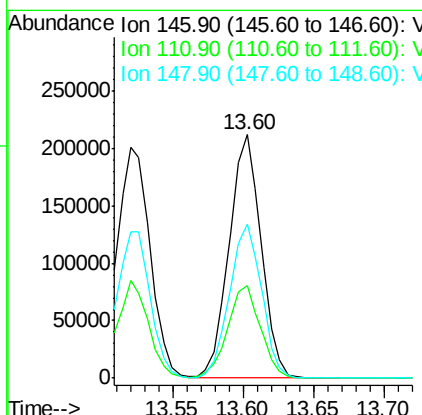
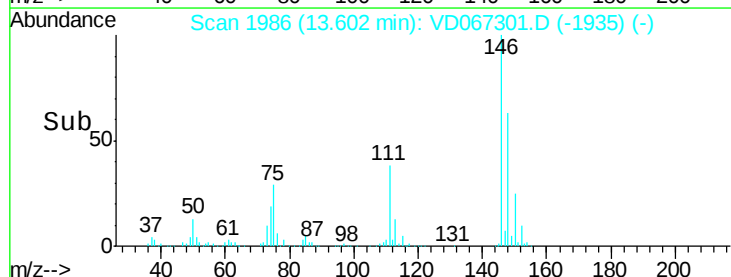
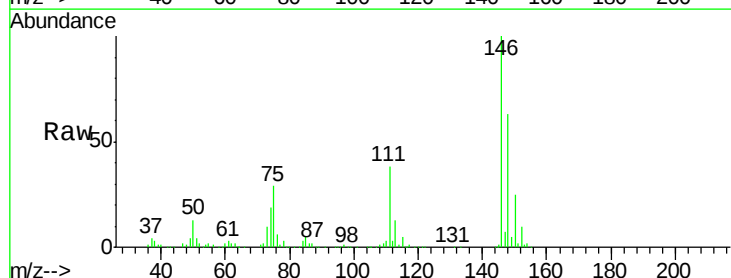
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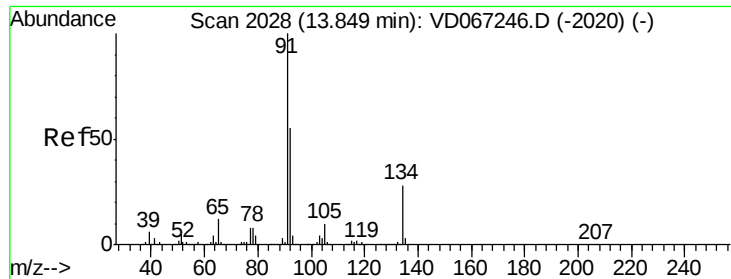
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#88
 1,4-Dichlorobenzene
 Concen: 47.415 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD067301.D
 Acq: 16 Oct 2020 17:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.9	59.7
148	63.6	31.9	95.9





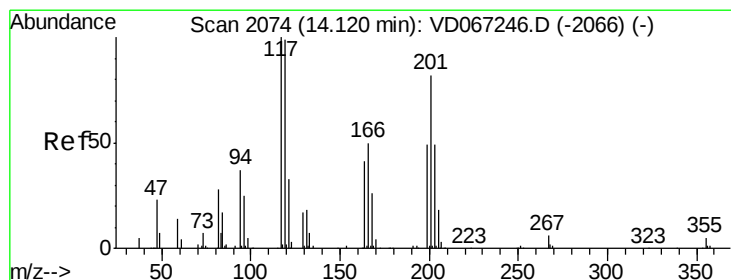
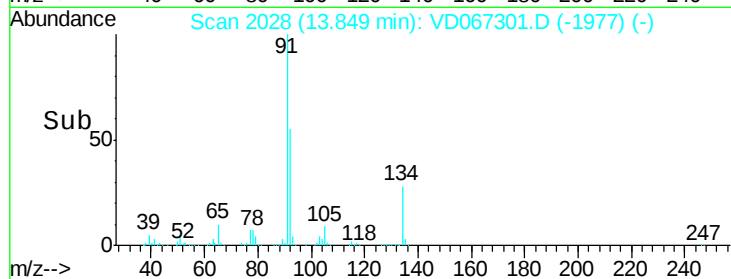
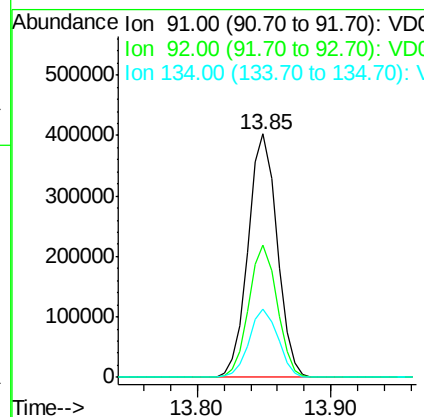
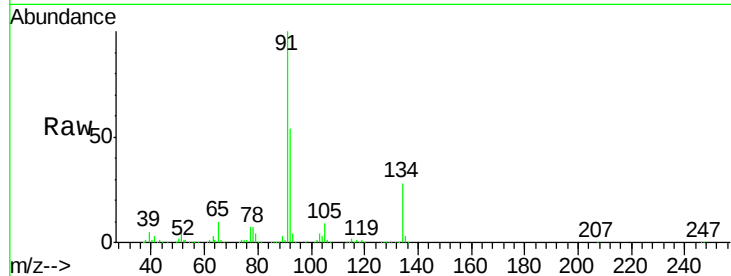
#89
n-Butylbenzene
Concen: 48.349 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067301.D
Acq: 16 Oct 2020 17:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.5	26.7	80.0
134	28.1	14.2	42.6

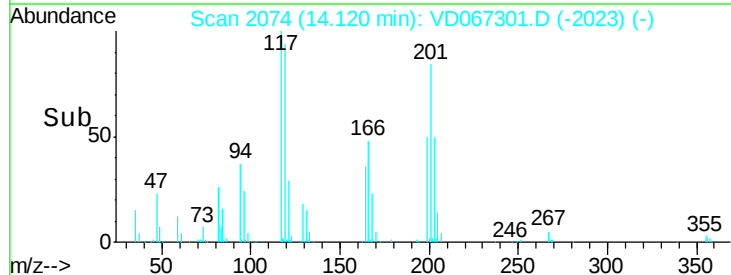
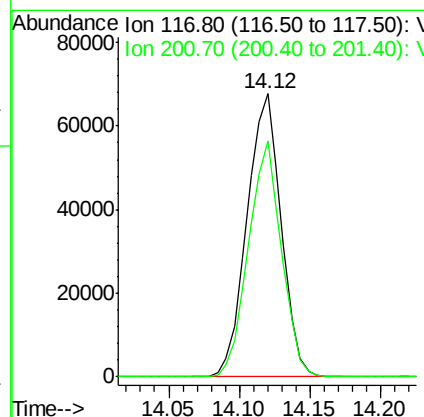
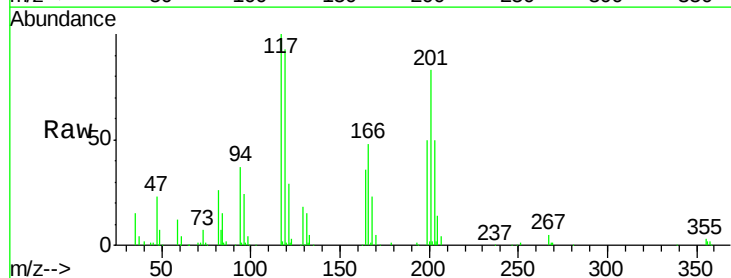
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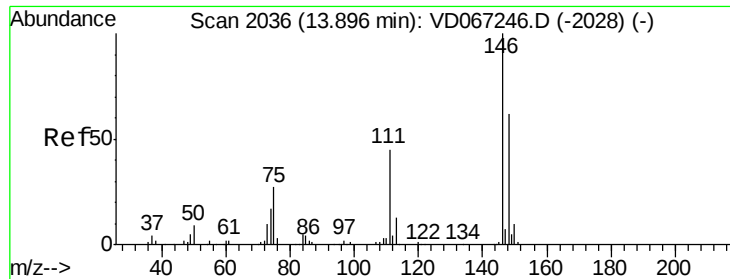
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#90
Hexachloroethane
Concen: 46.562 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD067301.D
Acq: 16 Oct 2020 17:03

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.5	40.8	122.2





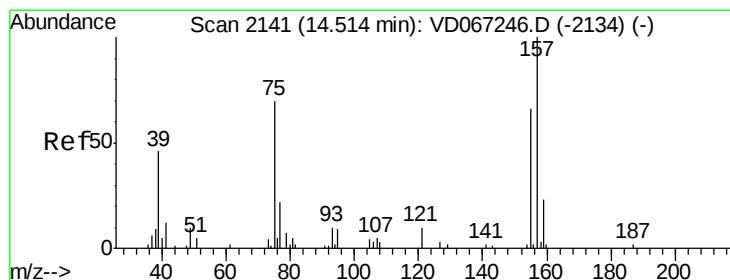
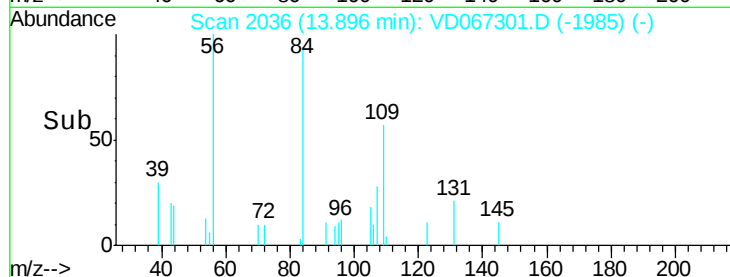
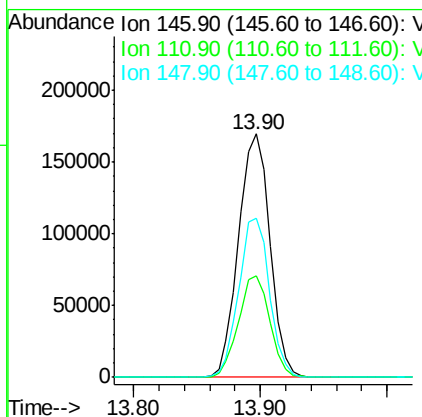
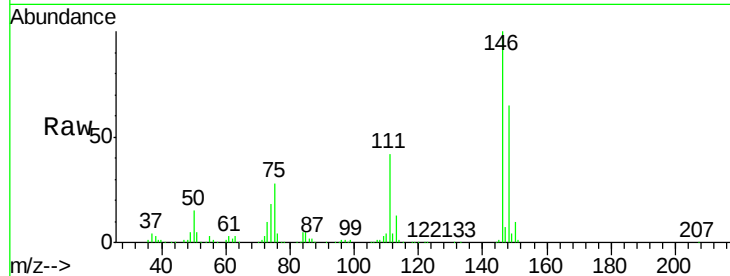
#91
 1,2-Dichlorobenzene
 Concen: 46.907 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD067301.D
 Acq: 16 Oct 2020 17:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	292150		
111	41.5	22.0	66.0	
148	63.9	32.5	97.5	

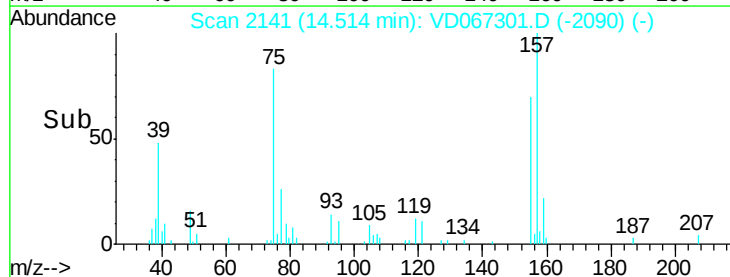
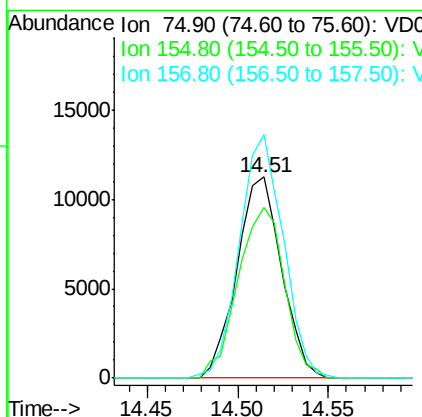
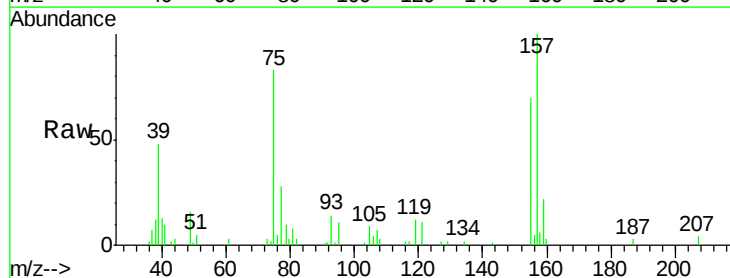
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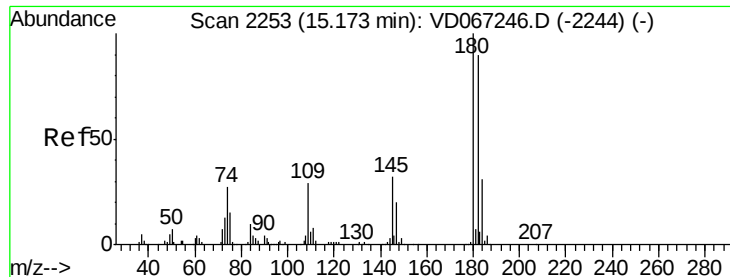
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.618 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VD067301.D
 Acq: 16 Oct 2020 17:03

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	19280		
155	88.5	44.8	134.4	
157	118.7	62.5	187.4	





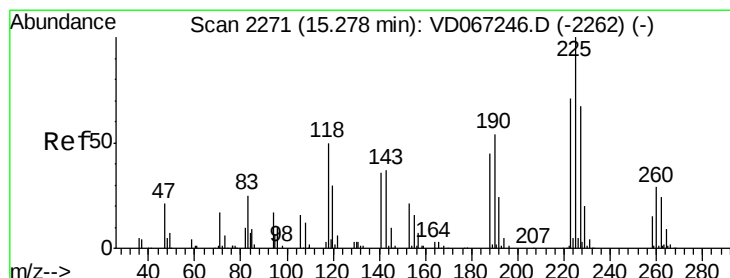
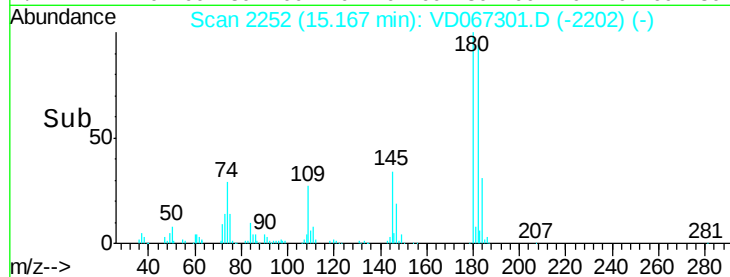
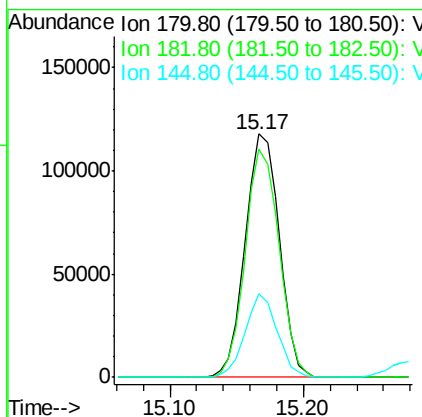
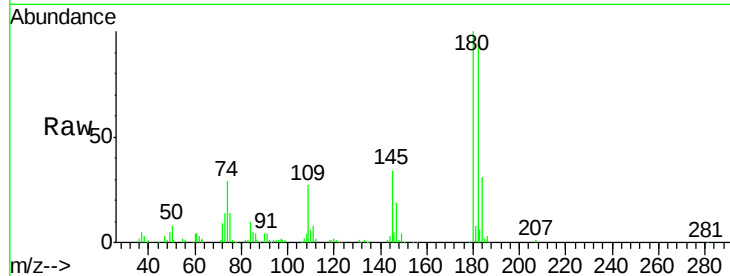
#93
 1,2,4-Trichlorobenzene
 Concen: 49.663 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.01 min
 Lab File: VD067301.D
 Acq: 16 Oct 2020 17:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	208547		
182	92.9		48.1	144.4
145	32.0		16.3	48.9

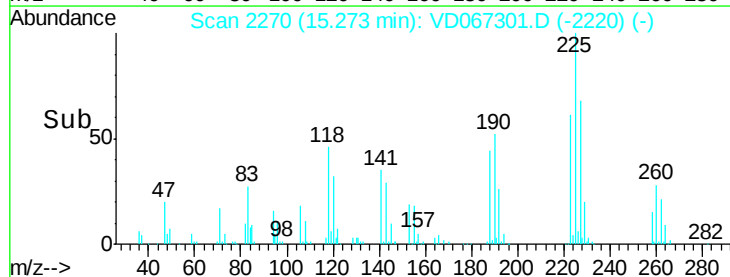
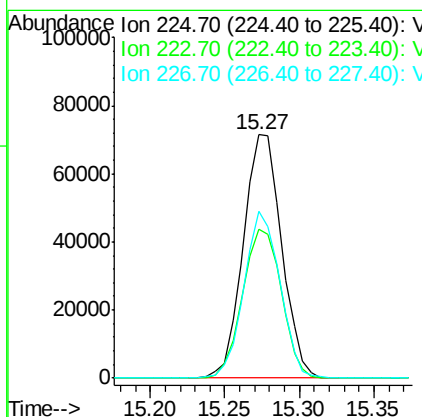
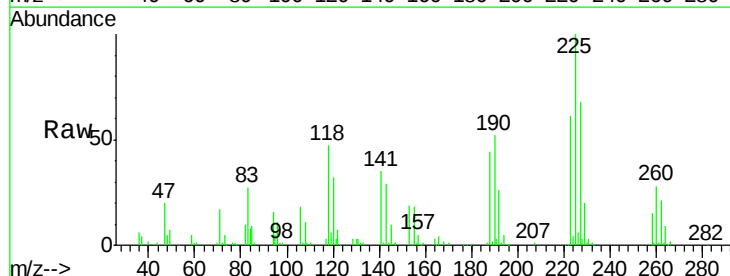
Manual Integrations
 APPROVED

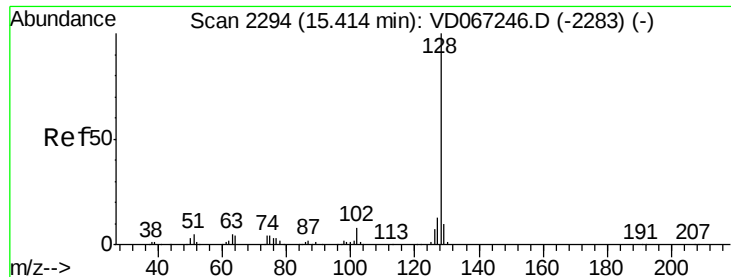
MMDadoda
 10/19/2020 11:09:32 AM



#94
 Hexachlorobutadiene
 Concen: 48.716 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.01 min
 Lab File: VD067301.D
 Acq: 16 Oct 2020 17:03

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	127037		
223	62.0		31.9	95.7
227	64.3		31.2	93.6





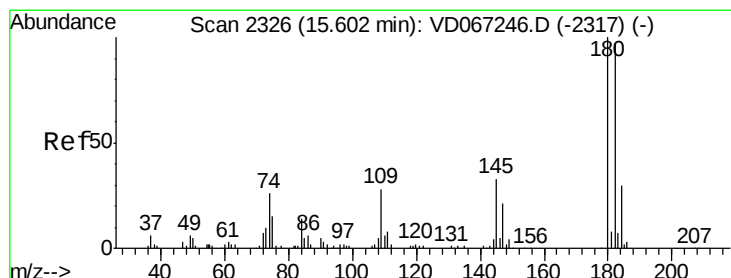
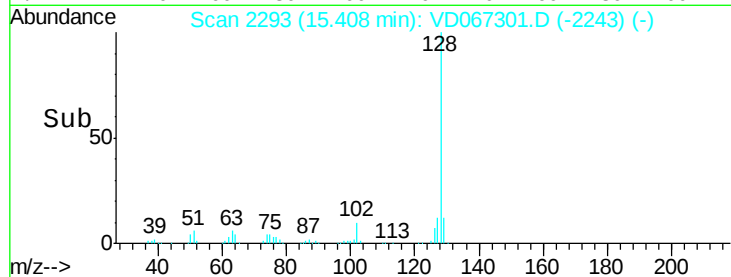
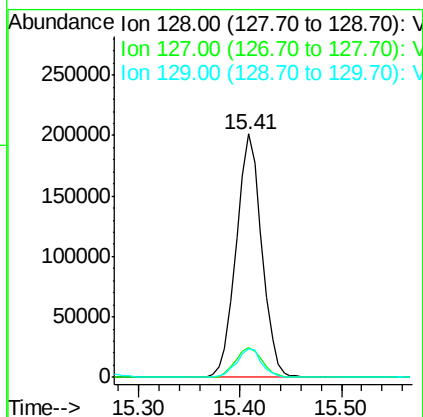
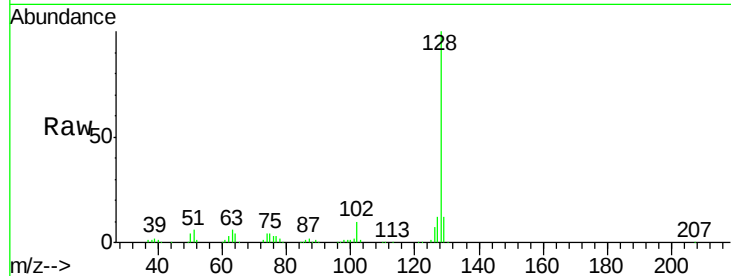
#95
Naphthalene
Concen: 51.044 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.01 min
Lab File: VD067301.D
Acq: 16 Oct 2020 17:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.4	15.6
129	11.4	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
10/19/2020 11:09:32 AM



#96
1,2,3-Trichlorobenzene
Concen: 50.100 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD067301.D
Acq: 16 Oct 2020 17:03

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.5	48.1	144.3
145	34.2	17.3	51.9

