

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092820\
 Data File : VD066907.D
 Acq On : 28 Sep 2020 12:24
 Operator : VA/SY
 Sample : VD0928SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0928SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/29/2020 11:46:42 AM

Quant Time: Sep 29 01:10:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D092220S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 23 01:34:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	406747	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	641361	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	593211	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	290408	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	181290	45.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.08%	
35) Dibromofluoromethane	7.91	113	191140	46.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.68%	
50) Toluene-d8	10.34	98	691793	49.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.52%	
62) 4-Bromofluorobenzene	12.63	95	245068	51.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.98%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.99	85	70753	21.647 ug/l	90
3) Chloromethane	2.20	50	69065	18.481 ug/l	98
4) Vinyl Chloride	2.35	62	67549	18.296 ug/l	98
5) Bromomethane	2.76	94	46447	17.898 ug/l	97
6) Chloroethane	2.91	64	39333	17.155 ug/l #	87
7) Trichlorofluoromethane	3.27	101	145726	19.219 ug/l	96
8) Diethyl Ether	3.70	74	38842	20.178 ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.10	101	87419	19.882 ug/l	98
10) Methyl Iodide	4.30	142	71332	18.385 ug/l	96
11) Tert butyl alcohol	5.23	59	30359m	96.965 ug/l	
12) 1,1-Dichloroethene	4.06	96	77804	19.534 ug/l	96
13) Acrolein	3.92	56	28021	95.413 ug/l	89
14) Allyl chloride	4.71	41	106661	18.237 ug/l	96
15) Acrylonitrile	5.43	53	85357	100.058 ug/l	99
16) Acetone	4.16	43	74640	88.381 ug/l	97
17) Carbon Disulfide	4.40	76	237646	19.516 ug/l	97
18) Methyl Acetate	4.72	43	40362	19.183 ug/l	94
19) Methyl tert-butyl Ether	5.47	73	176792	20.439 ug/l	93
20) Methylene Chloride	4.97	84	115796	22.165 ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	92449	20.046 ug/l	97
22) Diisopropyl ether	6.36	45	232906	19.368 ug/l	96
23) Vinyl Acetate	6.31	43	587796	91.739 ug/l	97
24) 1,1-Dichloroethane	6.26	63	154133	19.159 ug/l	94
25) 2-Butanone	7.21	43	99047	97.594 ug/l	100
26) 2,2-Dichloropropane	7.21	77	140116	19.003 ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	98458	19.649 ug/l	99
28) Bromochloromethane	7.54	49	63544	19.120 ug/l	94
29) Tetrahydrofuran	7.56	42	63797	98.105 ug/l	94
30) Chloroform	7.71	83	166880	19.244 ug/l	99
31) Cyclohexane	7.98	56	135237	18.683 ug/l	94
32) 1,1,1-Trichloroethane	7.90	97	154747	19.727 ug/l	98
36) 1,1-Dichloropropene	8.11	75	122316	19.224 ug/l	98
37) Ethyl Acetate	7.30	43	47724	20.748 ug/l	95
38) Carbon Tetrachloride	8.09	117	137382	19.749 ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Wed Sep 23 01:34:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	143430	19.633	ug/l	98
40) Benzene	8.35	78	351968	19.848	ug/l	95
41) Methacrylonitrile	7.52	41	28460m	20.119	ug/l	
42) 1,2-Dichloroethane	8.43	62	101419	19.346	ug/l	98
43) Isopropyl Acetate	8.45	43	85846	19.358	ug/l	96
44) Trichloroethene	9.11	130	105159	20.805	ug/l	94
45) 1,2-Dichloropropane	9.38	63	88960	19.939	ug/l	91
46) Dibromomethane	9.47	93	48776	20.121	ug/l	97
47) Bromodichloromethane	9.66	83	127113	19.520	ug/l #	95
48) Methyl methacrylate	9.46	41	42397	19.390	ug/l	99
49) 1,4-Dioxane	9.46	88	14361	467.096	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	228160	101.536	ug/l	97
52) Toluene	10.40	92	233642	20.455	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	111284	20.078	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	136130	20.143	ug/l #	89
55) 1,1,2-Trichloroethane	10.80	97	69284	20.791	ug/l	90
56) Ethyl methacrylate	10.66	69	73741	20.656	ug/l	96
57) 1,3-Dichloropropane	10.94	76	113272	20.585	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	212536	125.732	ug/l	98
59) 2-Hexanone	10.98	43	153695	101.424	ug/l	96
60) Dibromochloromethane	11.14	129	93717	21.547	ug/l	96
61) 1,2-Dibromoethane	11.24	107	65499	21.131	ug/l	98
64) Tetrachloroethene	10.87	164	89391	20.949	ug/l	96
65) Chlorobenzene	11.67	112	246240	19.942	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	93585	20.025	ug/l	98
67) Ethyl Benzene	11.74	91	432749	19.954	ug/l	100
68) m/p-Xylenes	11.85	106	333954	40.672	ug/l	100
69) o-Xylene	12.18	106	150039	20.208	ug/l	99
70) Styrene	12.19	104	261630	20.291	ug/l	100
71) Bromoform	12.36	173	51660	21.832	ug/l #	94
73) Isopropylbenzene	12.48	105	417261	19.889	ug/l	98
74) N-amyl acetate	12.28	43	79824	19.484	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	70280	19.414	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	43268m	17.978	ug/l	
77) Bromobenzene	12.76	156	99805	20.341	ug/l	98
78) n-propylbenzene	12.82	91	494056	19.575	ug/l	100
79) 2-Chlorotoluene	12.91	91	272777	18.966	ug/l	97
80) 1,3,5-Trimethylbenzene	12.96	105	350121	19.669	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	21693	22.551	ug/l	94
82) 4-Chlorotoluene	13.01	91	300828	19.842	ug/l	100
83) tert-Butylbenzene	13.23	119	291668	19.940	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	356672	20.206	ug/l	100
85) sec-Butylbenzene	13.40	105	420005	19.968	ug/l	99
86) p-Isopropyltoluene	13.52	119	380071	20.046	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	191336	19.738	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	191135	19.853	ug/l	98
89) n-Butylbenzene	13.84	91	344646	19.124	ug/l	99
90) Hexachloroethane	14.11	117	73147	19.003	ug/l	95
91) 1,2-Dichlorobenzene	13.89	146	167267	20.169	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	11861	20.368	ug/l	96

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VD0928SBSD01

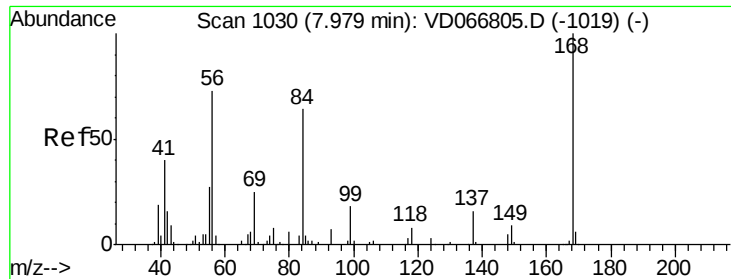
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	106477	20.395	ug/l	99
94) Hexachlorobutadiene	15.27	225	64149	20.505	ug/l	97
95) Naphthalene	15.41	128	182627	20.604	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	92798	20.594	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. 0.00 min

Lab File: VD066907.D

Acq: 28 Sep 2020 12:24

Instrument :

MSVOA_D

ClientSampleId :

VD0928SBSD01

Tot Ion:168 Resp: 406747

Ion Ratio Lower Upper

168 100

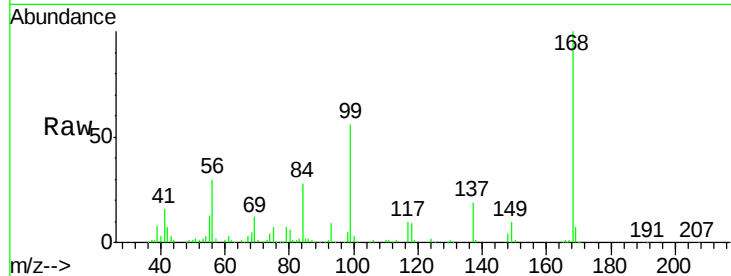
99 55.4 46.6 69.8

Manual Integrations

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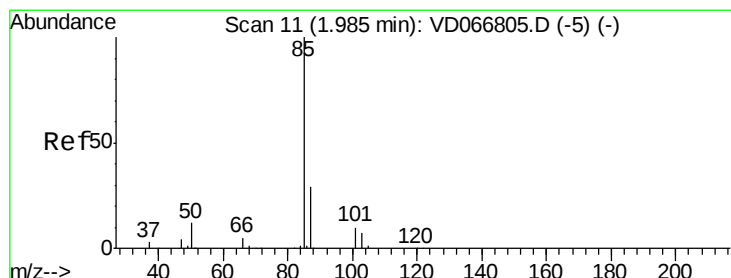
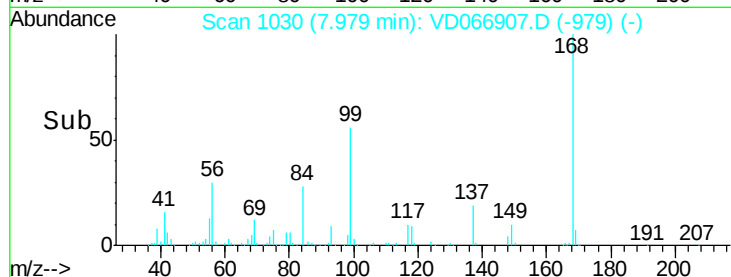
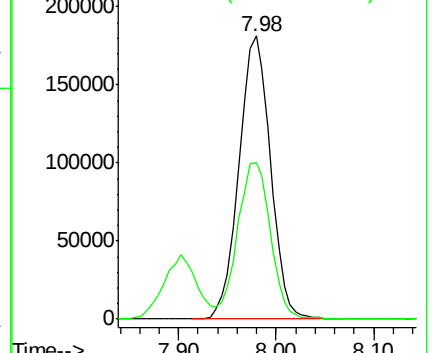
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 21.647 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066907.D

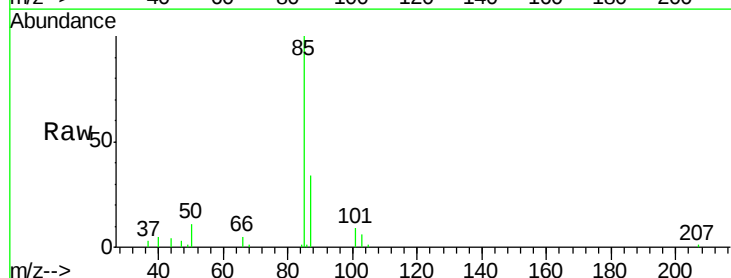
Acq: 28 Sep 2020 12:24

Tgt Ion: 85 Resp: 70753

Ion Ratio Lower Upper

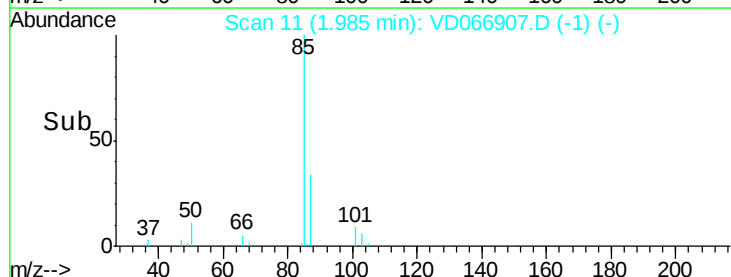
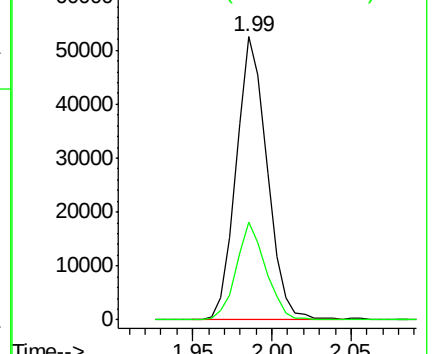
85 100

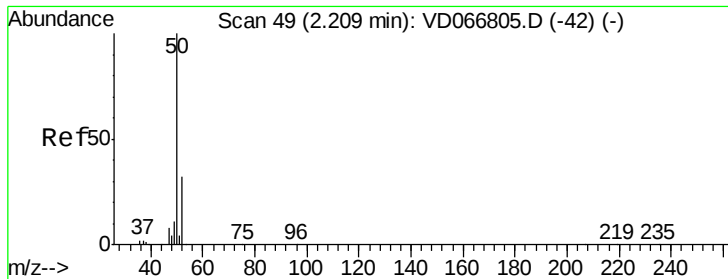
87 34.4 14.5 43.5



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 18.481 ug/l

RT: 2.20 min Scan# 48

Delta R.T. -0.01 min

Lab File: VD066907.D

Acq: 28 Sep 2020 12:24

Instrument :

MSVOA_D

ClientSampleId :

VD0928SBS01

Tot Ion: 50 Resp: 69065

Ion Ratio Lower Upper

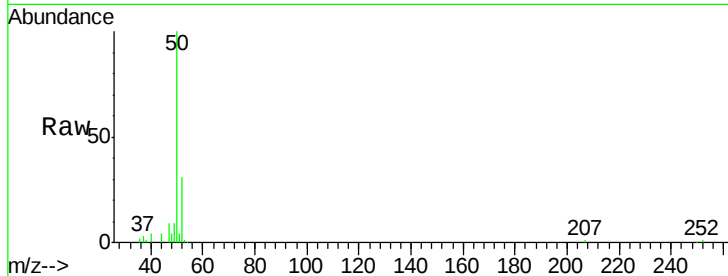
50 100

52 30.7 25.5 38.3

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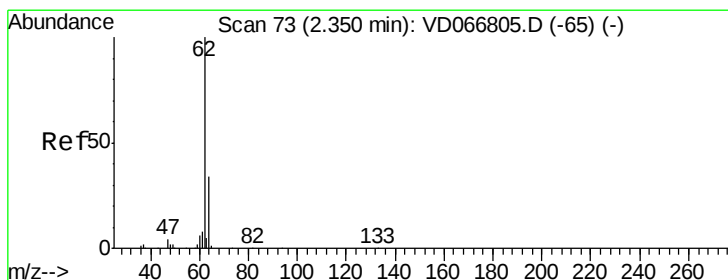
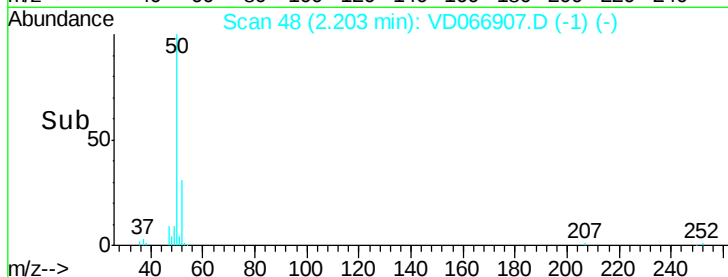
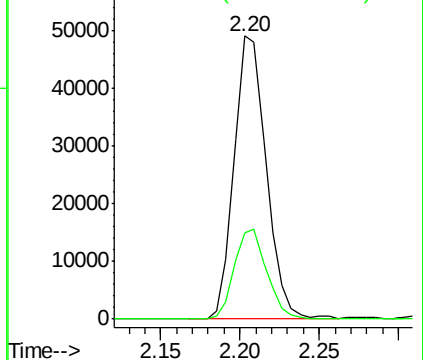
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 18.296 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD066907.D

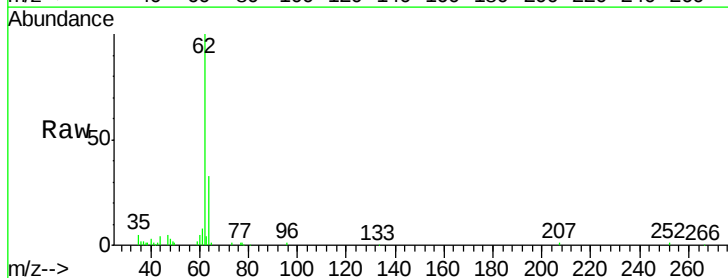
Acq: 28 Sep 2020 12:24

Tgt Ion: 62 Resp: 67549

Ion Ratio Lower Upper

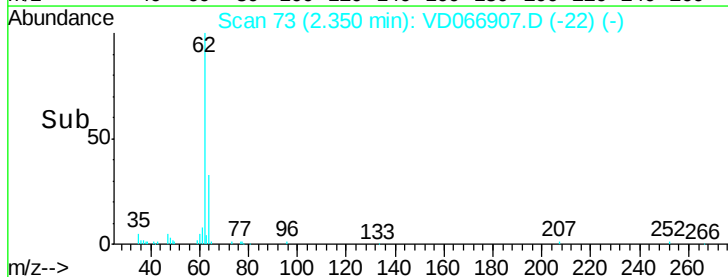
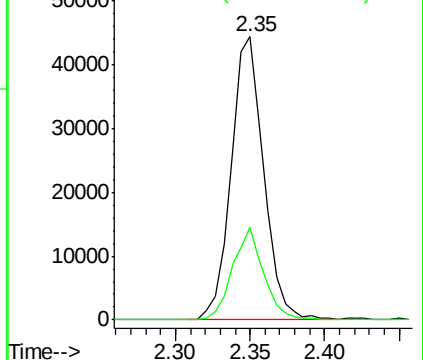
62 100

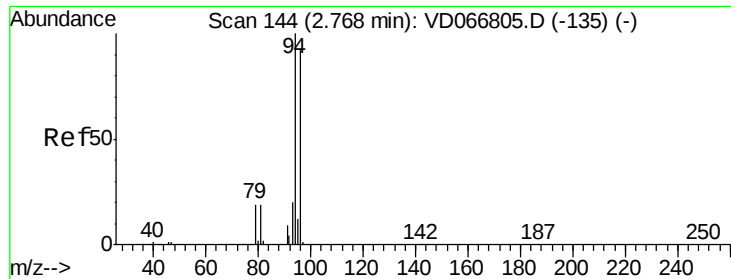
64 32.7 27.0 40.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 17.898 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD066907.D

Acq: 28 Sep 2020 12:24

Instrument :

MSVOA_D

ClientSampleId :

VD0928SBSD01

Tot Ion: 94 Resp: 46447

Ion Ratio Lower Upper

94 100

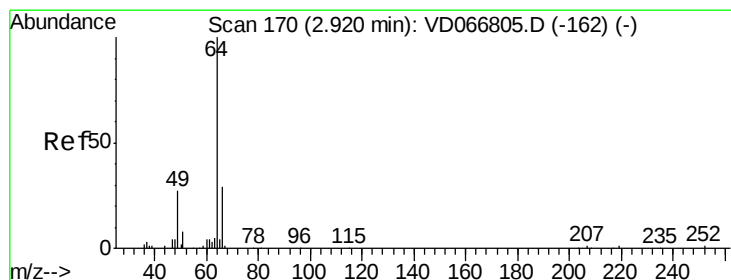
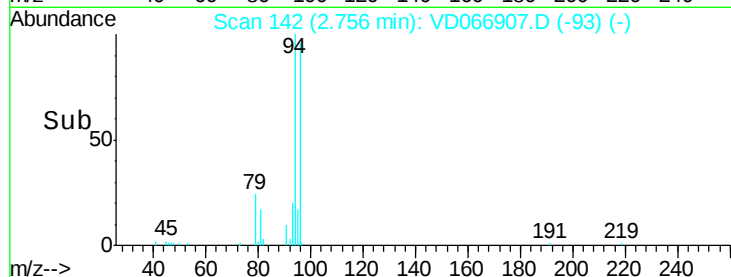
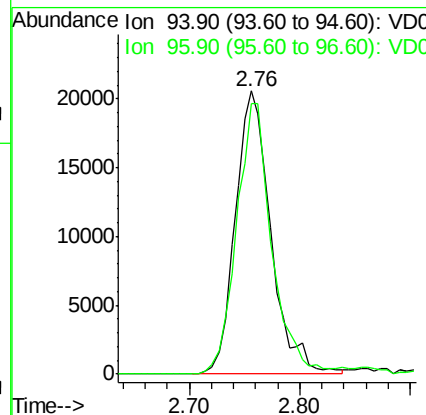
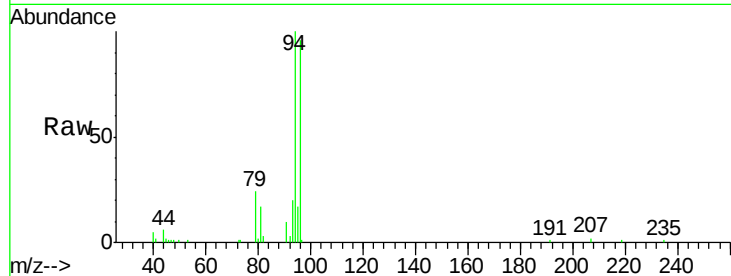
96 95.7 74.3 111.5

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#6

Chloroethane

Concen: 17.155 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD066907.D

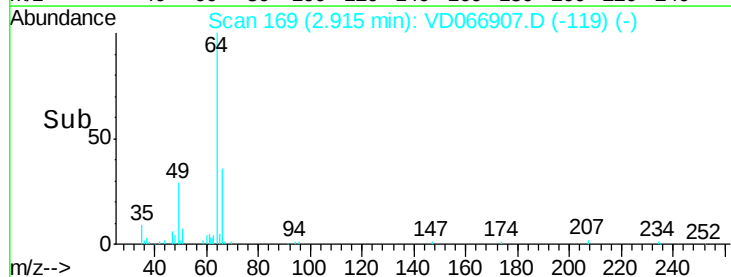
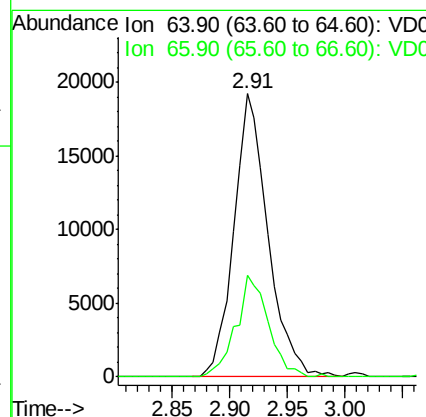
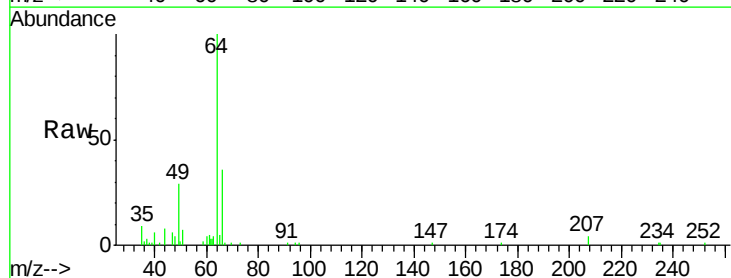
Acq: 28 Sep 2020 12:24

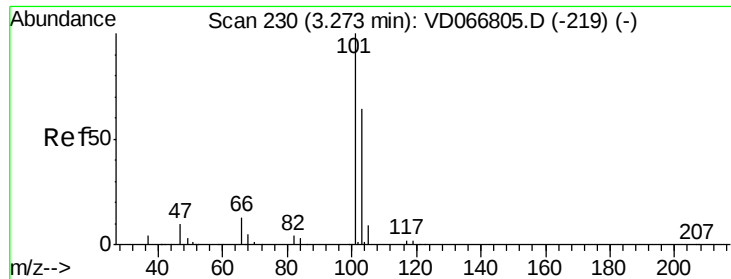
Tgt Ion: 64 Resp: 39333

Ion Ratio Lower Upper

64 100

66 35.9 23.3 34.9#





#7

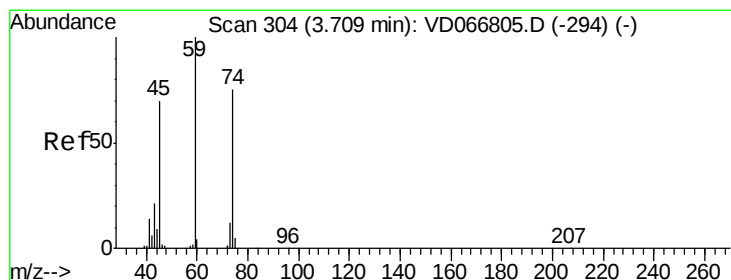
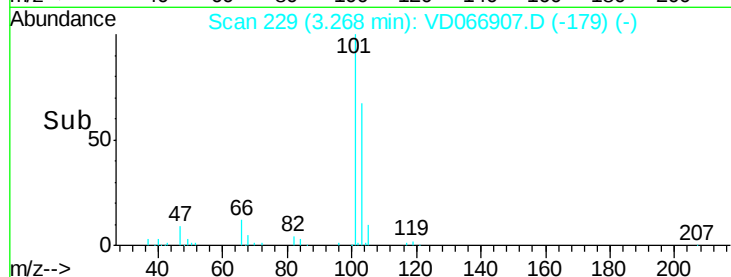
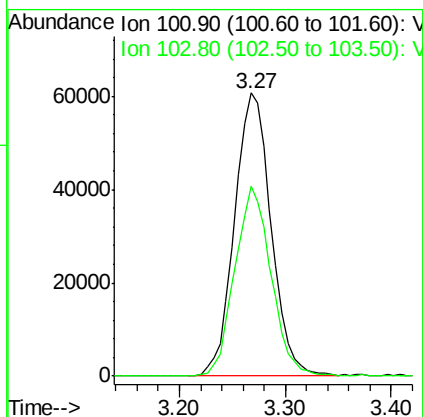
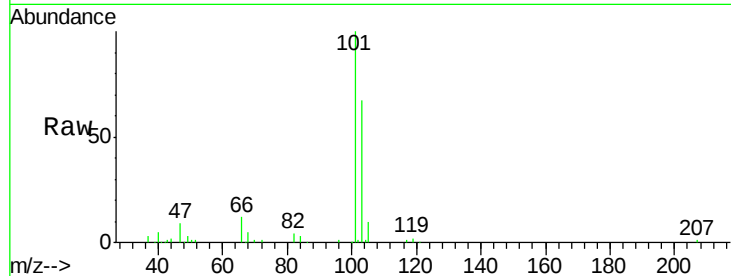
Trichlorofluoromethane
 Concen: 19.219 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD066907.D
 Acq: 28 Sep 2020 12:24

Instrument :
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 ClientSampleId :
 VD0928SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	145726		
103	67.1	51.0	76.6	

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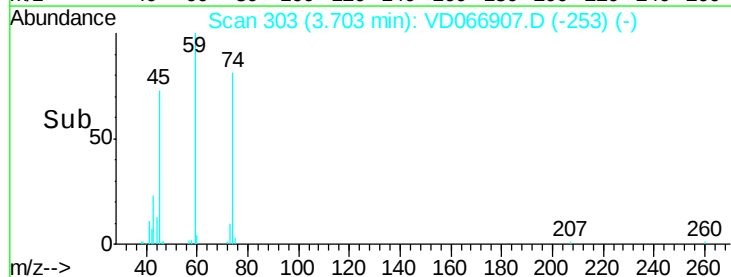
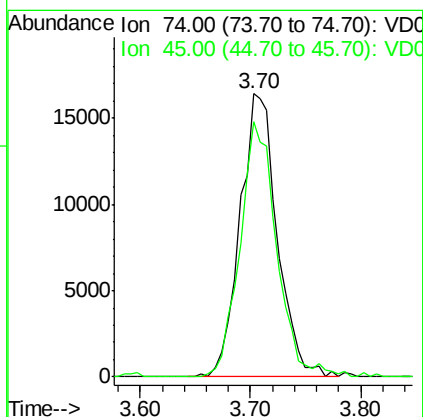
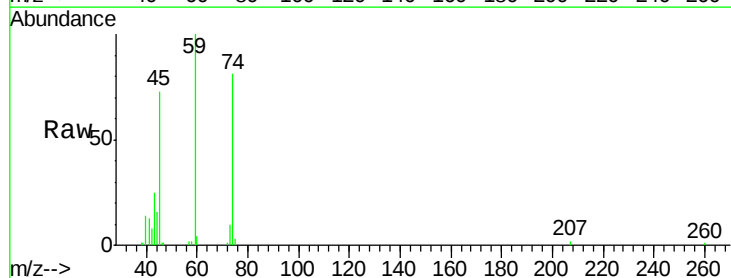
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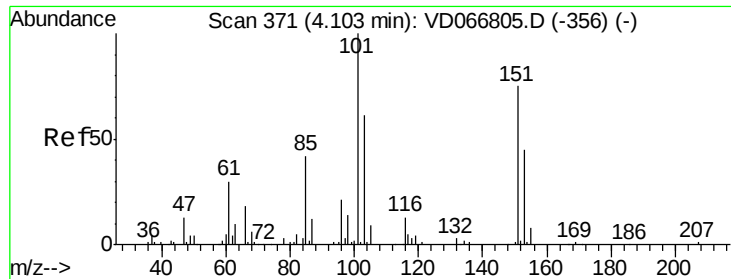


#8

Diethyl Ether
 Concen: 20.178 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD066907.D
 Acq: 28 Sep 2020 12:24

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	38842		
45	89.1	46.0	138.0	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.882 ug/l

RT: 4.10 min Scan# 370

Delta R.T. -0.01 min

Lab File: VD066907.D

Acq: 28 Sep 2020 12:24

Instrument :

MSVOA_D

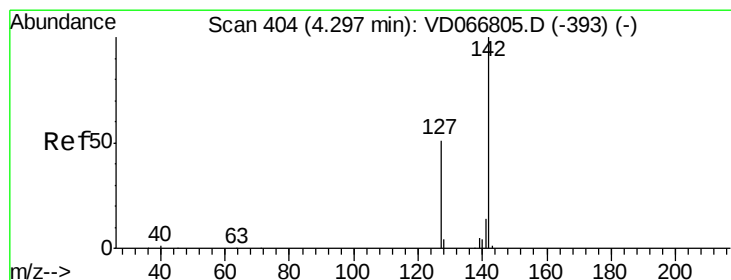
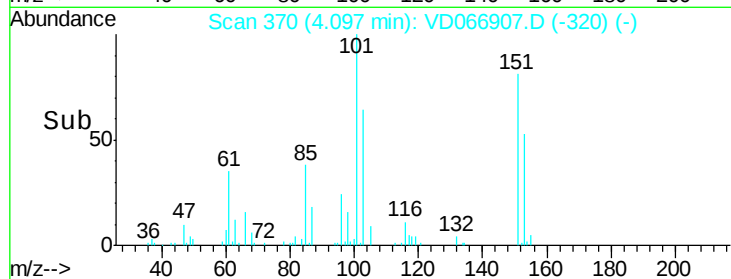
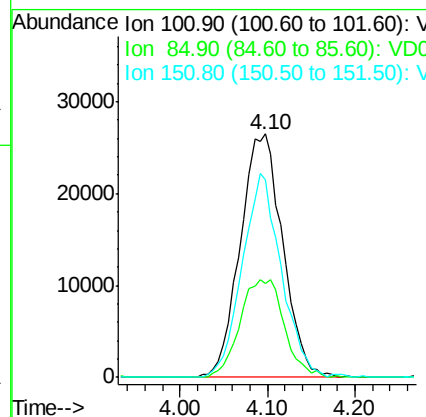
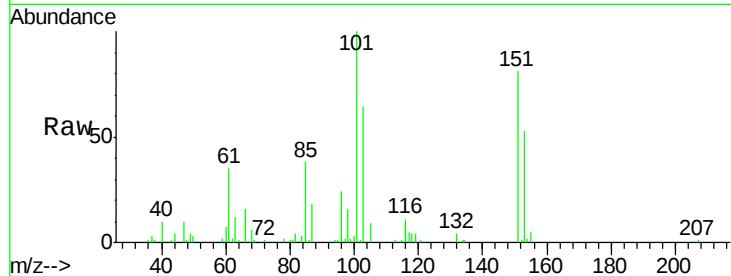
ClientSampleId :

VD0928SBS01

Tot Ion:	101	Resp:	87419
Ion Ratio	Lower	Upper	
101	100		
85	41.7	35.4	53.2
151	77.3	61.4	92.0

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#10

Methyl Iodide

Concen: 18.385 ug/l

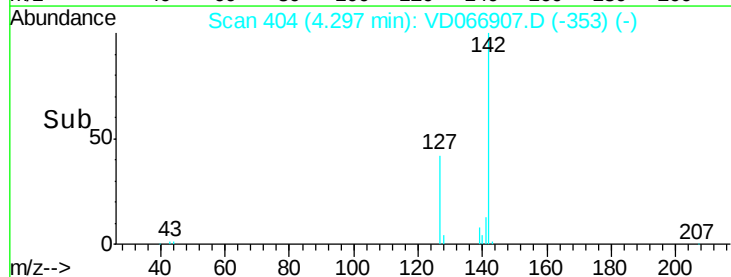
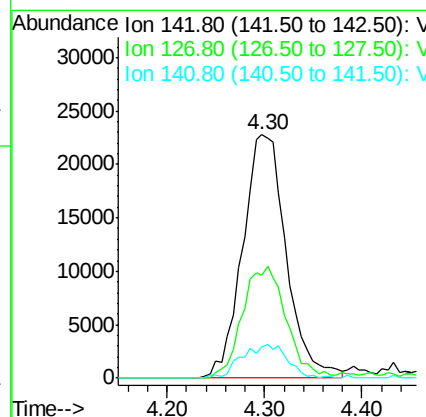
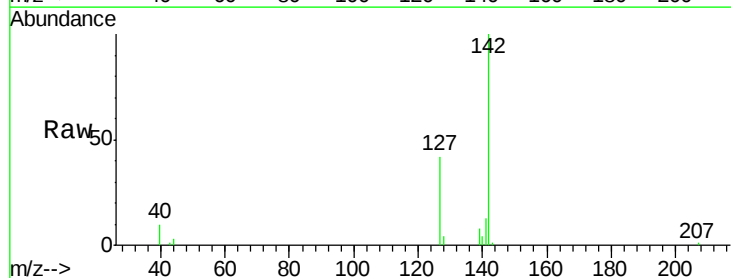
RT: 4.30 min Scan# 404

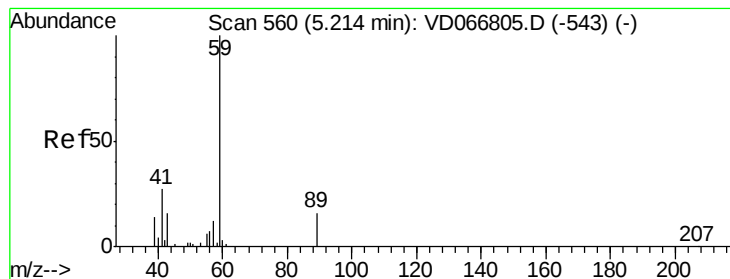
Delta R.T. 0.00 min

Lab File: VD066907.D

Acq: 28 Sep 2020 12:24

Tgt Ion:	142	Resp:	71332
Ion Ratio	Lower	Upper	
142	100		
127	45.8	39.4	59.0
141	14.3	12.1	18.1





#11

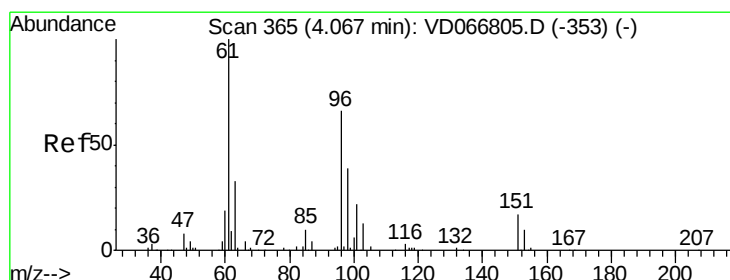
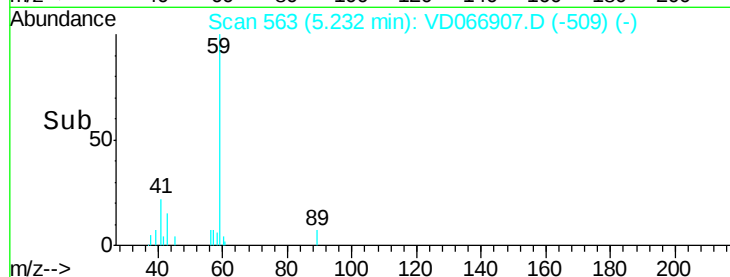
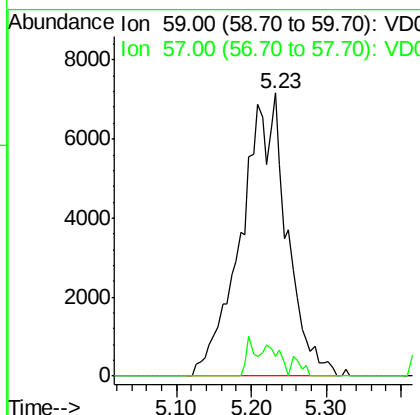
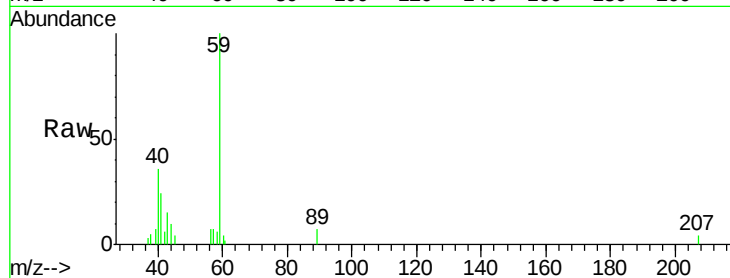
Tert butyl alcohol
 Concen: 96.965 ug/l m
 RT: 5.23 min Scan# 563
 Delta R.T. 0.02 min
 Lab File: VD066907.D
 Acq: 28 Sep 2020 12:24

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0928SBS01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	30359		
57	4.2		8.3	12.5#

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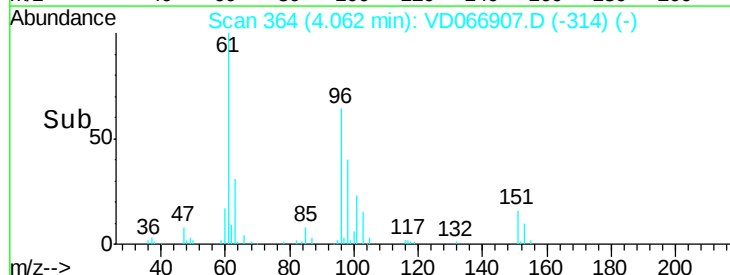
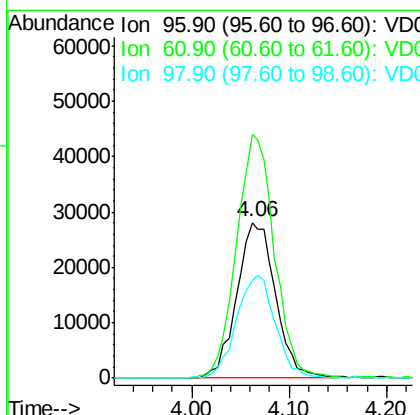
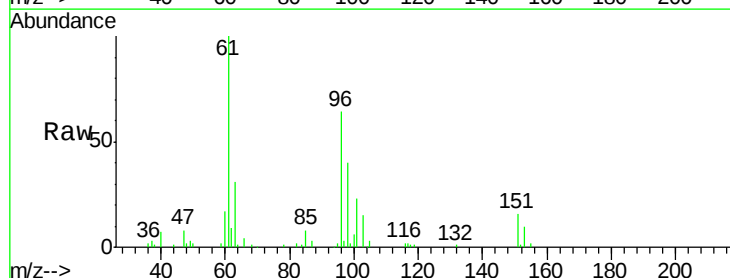
MMDadoda
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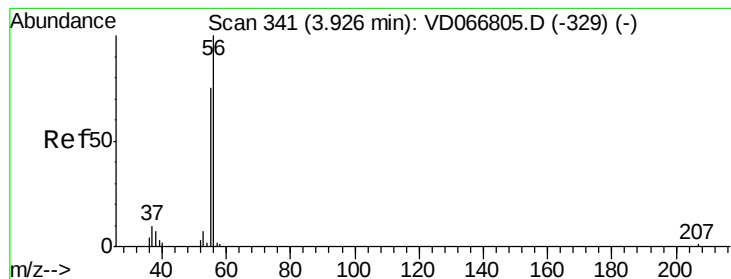


#12

1,1-Dichloroethene
 Concen: 19.534 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. -0.01 min
 Lab File: VD066907.D
 Acq: 28 Sep 2020 12:24

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	77804		
61	156.8		120.8	181.2
98	62.8		47.7	71.5





#13

Acrolein

Concen: 95.413 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD066907.D

Acq: 28 Sep 2020 12:24

Instrument :

MSVOA_D

ClientSampleId :

VD0928SBS01

Tot Ion: 56 Resp: 28021

Ion Ratio Lower Upper

56 100

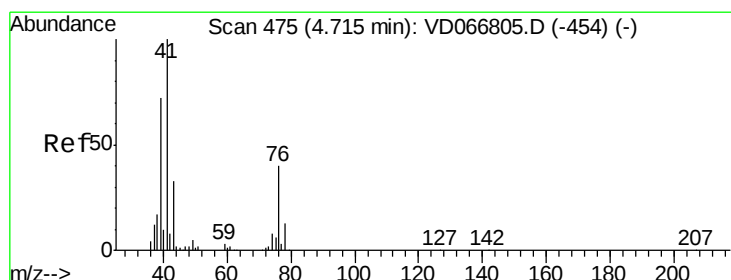
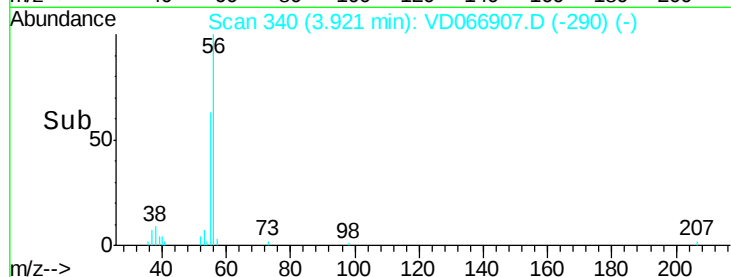
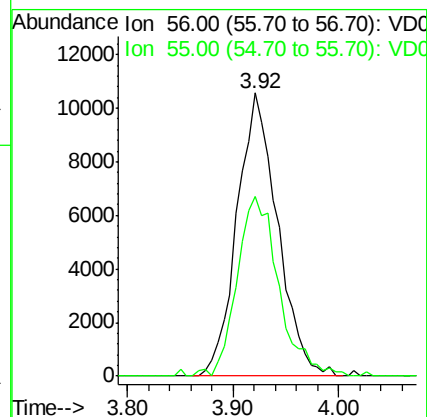
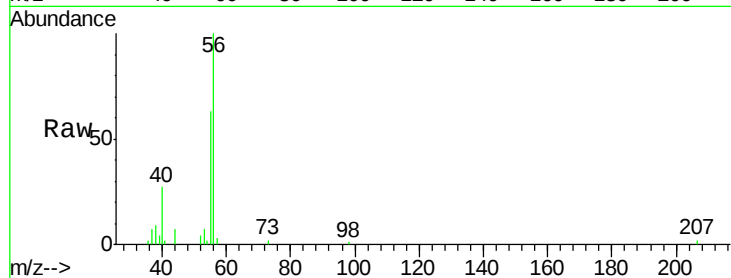
55 65.6 60.3 90.5

Manual Integrations

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#14

Allyl chloride

Concen: 18.237 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD066907.D

Acq: 28 Sep 2020 12:24

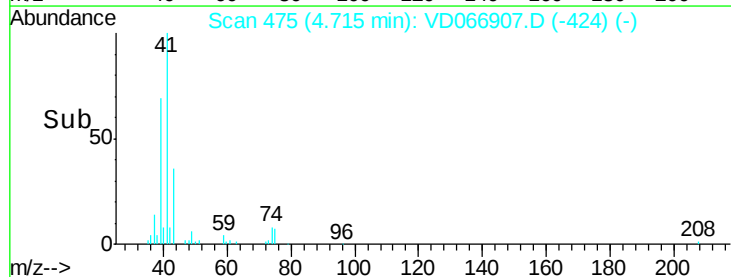
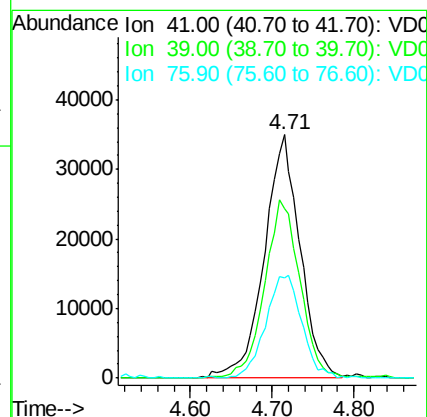
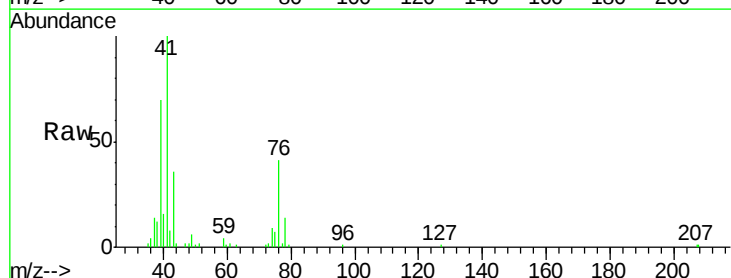
Tgt Ion: 41 Resp: 106661

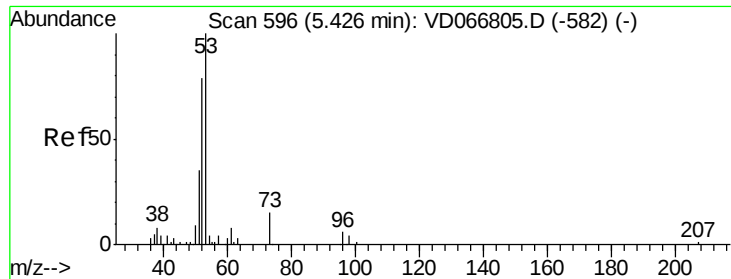
Ion Ratio Lower Upper

41 100

39 70.7 57.8 86.8

76 42.6 30.9 46.3





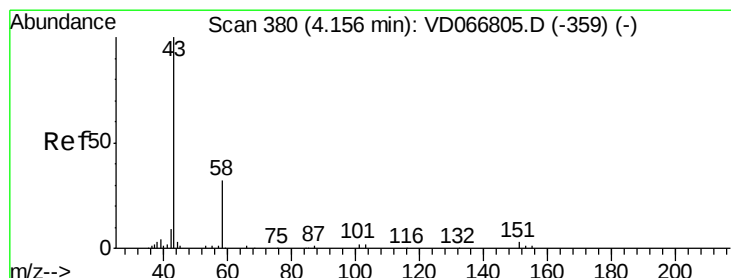
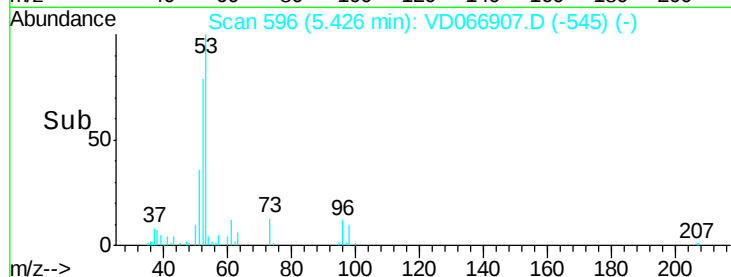
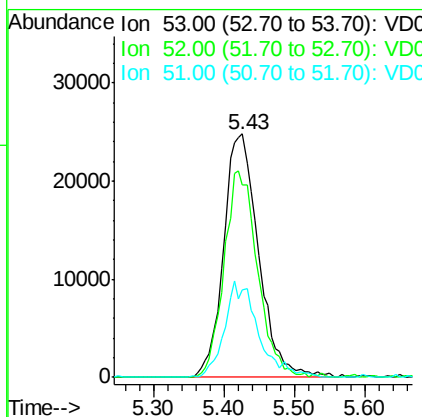
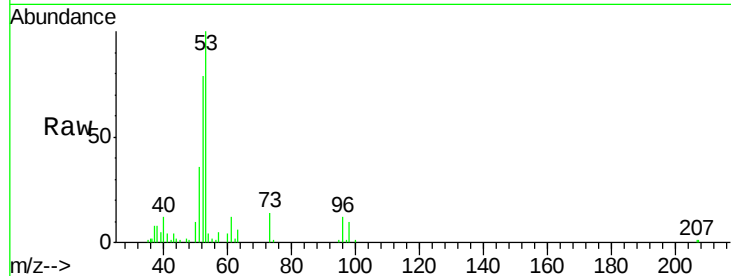
#15
 Acrylonitrile
 Concen: 100.058 ug/l
 RT: 5.43 min Scan# 596
 Delta R.T. 0.00 min
 Lab File: VD066907.D
 Acq: 28 Sep 2020 12:24

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0928SBS01

Tot Ion	Ratio	Lower	Upper
53	100		
52	81.0	65.2	97.8
51	37.9	30.6	46.0

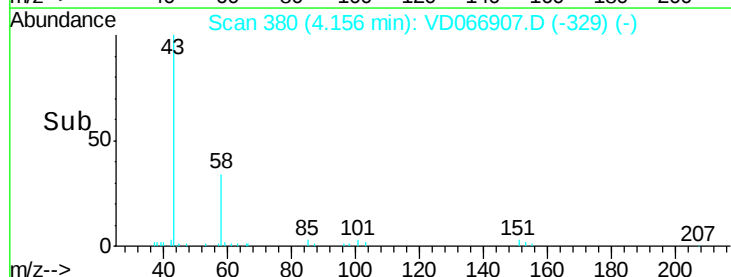
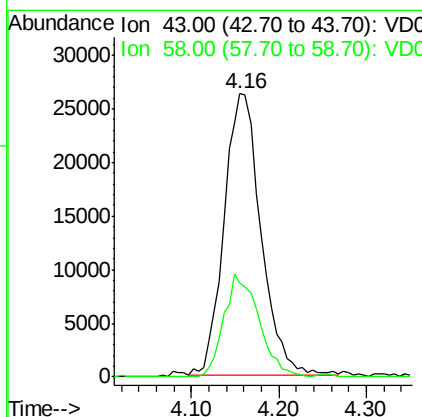
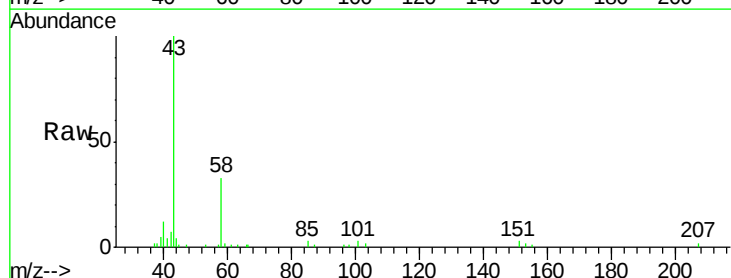
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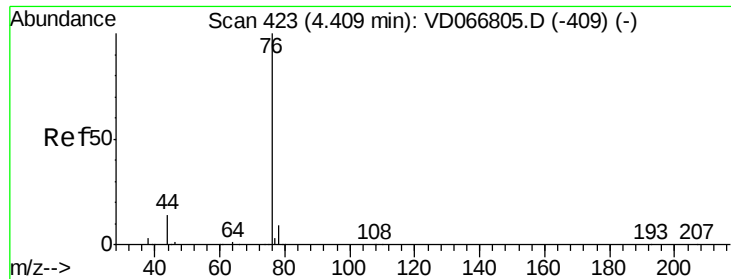
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#16
 Acetone
 Concen: 88.381 ug/l
 RT: 4.16 min Scan# 380
 Delta R.T. 0.00 min
 Lab File: VD066907.D
 Acq: 28 Sep 2020 12:24

Tgt Ion	Ratio	Lower	Upper
43	100		
58	33.7	25.6	38.4





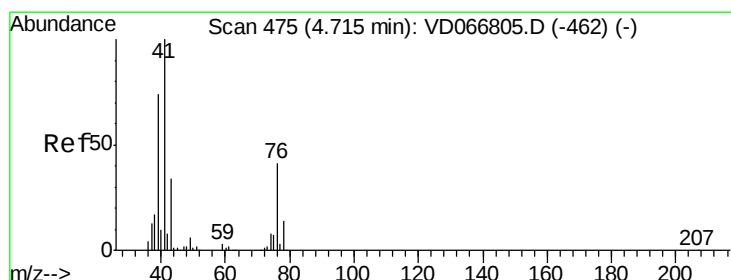
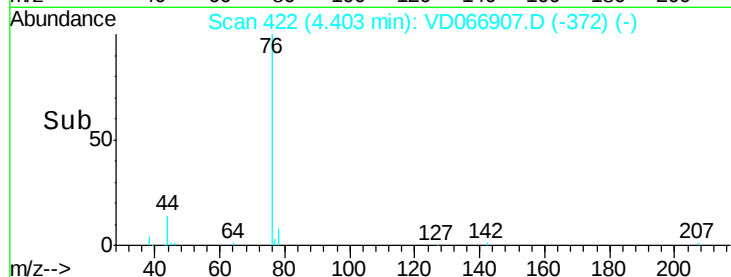
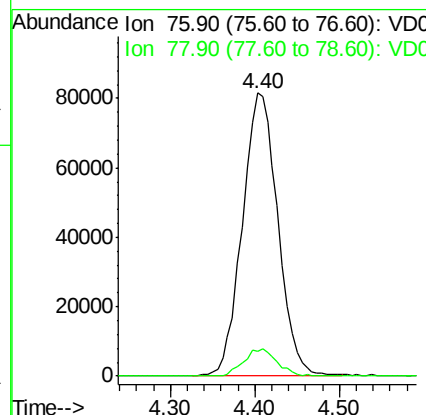
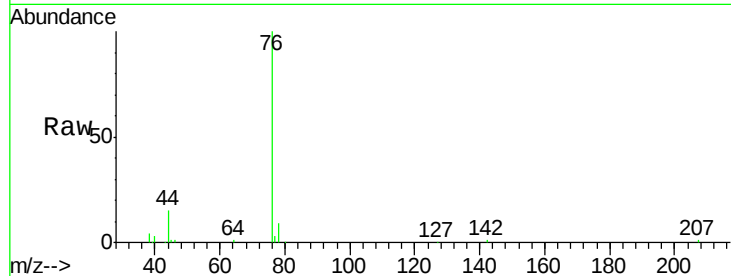
#17
Carbon Disulfide
Concen: 19.516 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.01 min
Lab File: VD066907.D
Acq: 28 Sep 2020 12:24

Instrument :
MSVOA_D
ClientSampleId :
VD0928SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.6	11.4

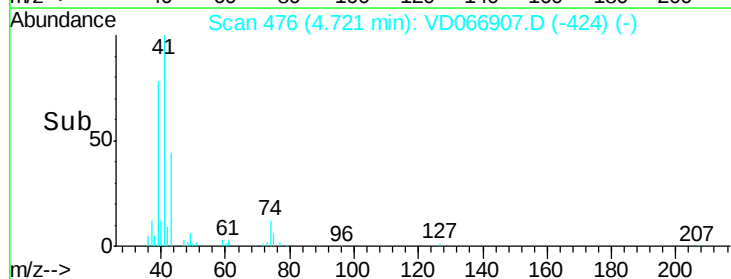
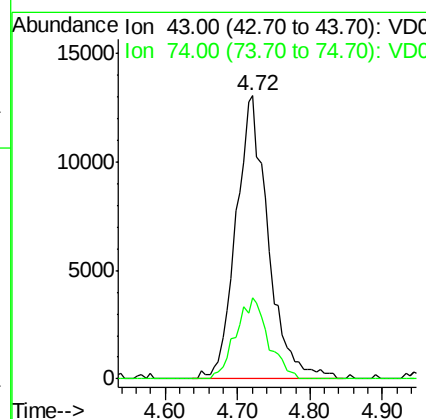
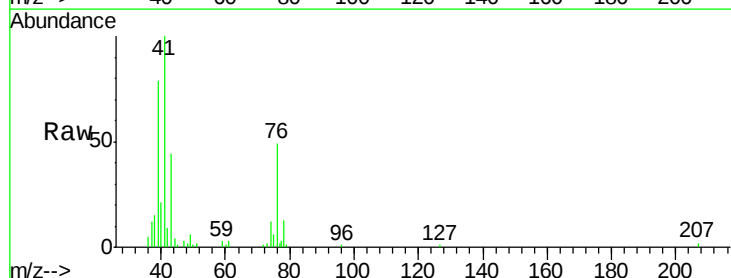
Manual Integrations
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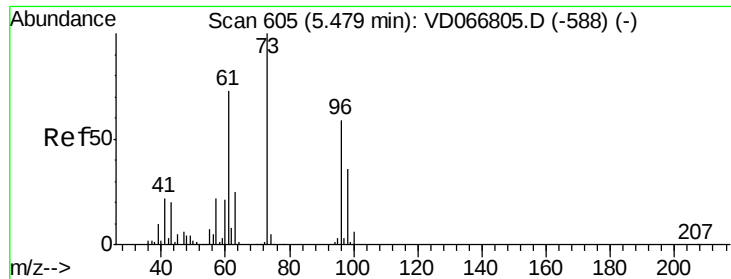
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#18
Methyl Acetate
Concen: 19.183 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.01 min
Lab File: VD066907.D
Acq: 28 Sep 2020 12:24

Tgt Ion	Ratio	Lower	Upper
43	100		
74	28.6	20.3	30.5





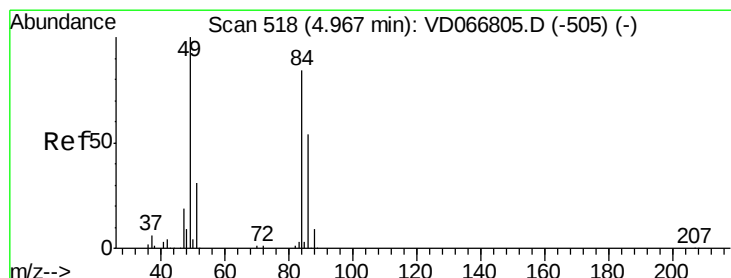
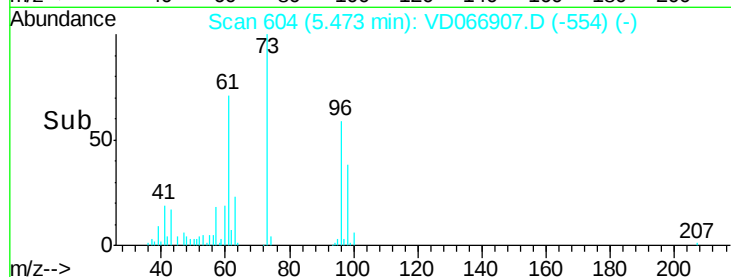
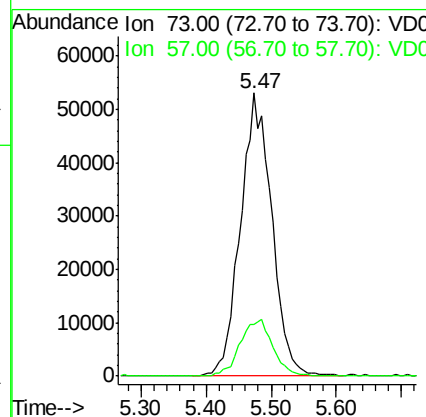
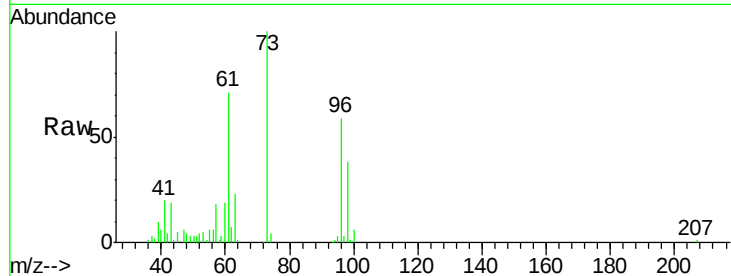
#19
Methyl tert-butyl Ether
Concen: 20.439 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.01 min
Lab File: VD066907.D
Acq: 28 Sep 2020 12:24

Instrument :
MSVOA_D
ClientSampleId :
VD0928SBS01

Tot Ion: 73 Resp: 176792
Ion Ratio Lower Upper
73 100
57 18.4 17.4 26.2

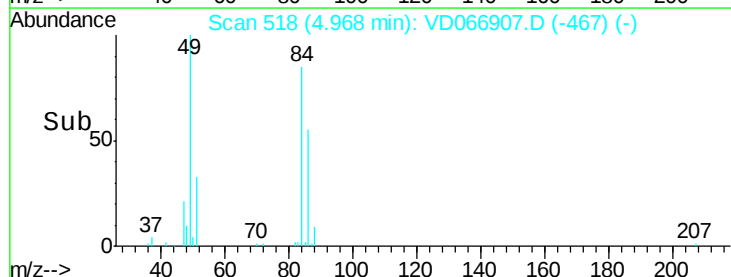
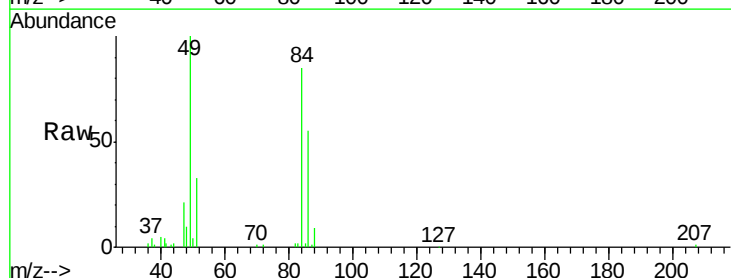
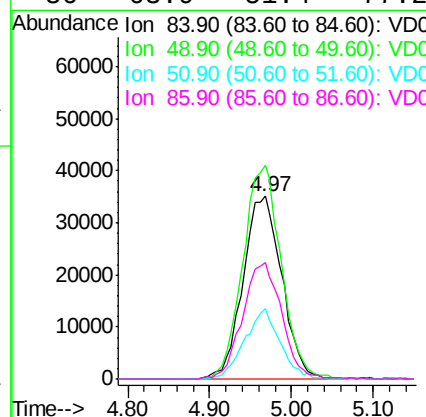
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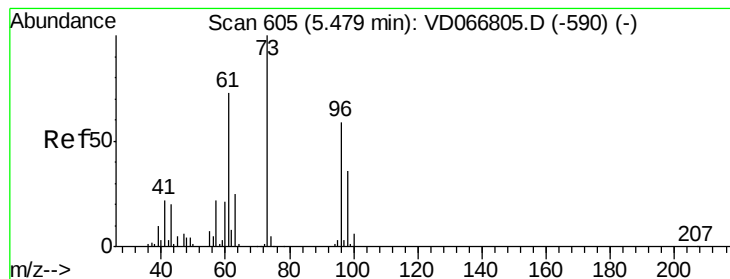
MMDadoda
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#20
Methylene Chloride
Concen: 22.165 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD066907.D
Acq: 28 Sep 2020 12:24

Tgt Ion: 84 Resp: 115796
Ion Ratio Lower Upper
84 100
49 117.0 95.4 143.2
51 38.3 29.7 44.5
86 63.9 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 20.046 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.01 min

Lab File: VD066907.D

Acq: 28 Sep 2020 12:24

Instrument :

MSVOA_D

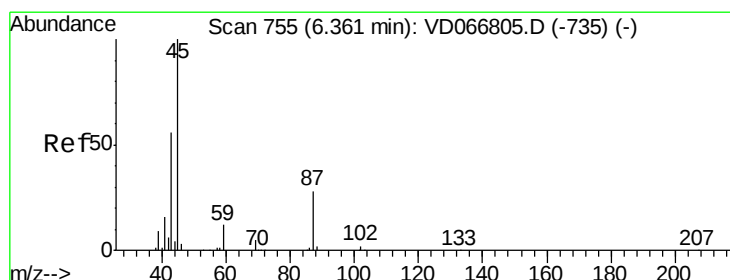
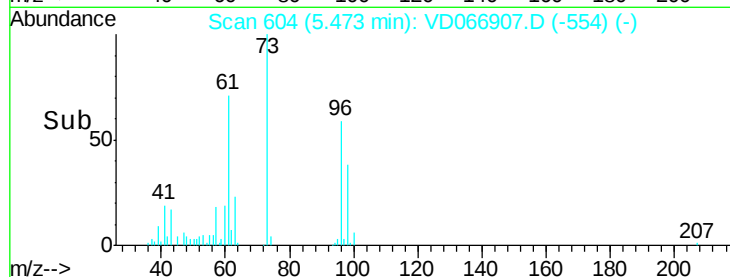
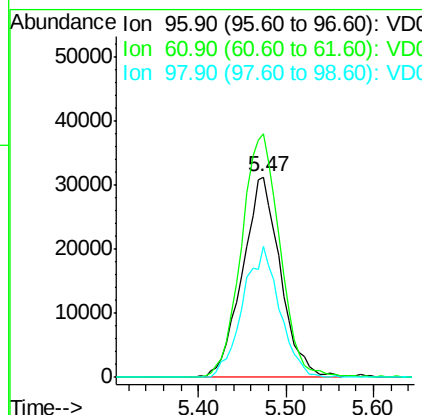
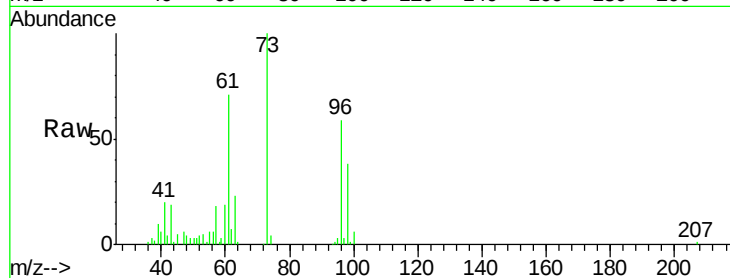
ClientSampleId :

VD0928SBS01

Tot Ion:	96	Resp:	92449
Ion	Ratio	Lower	Upper
96	100		
61	121.6	98.9	148.3
98	65.1	48.4	72.6

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#22

Diisopropyl ether

Concen: 19.368 ug/l

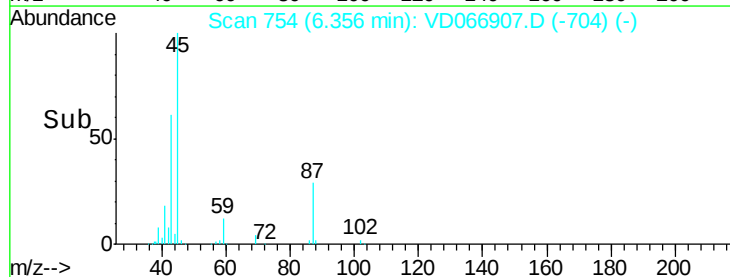
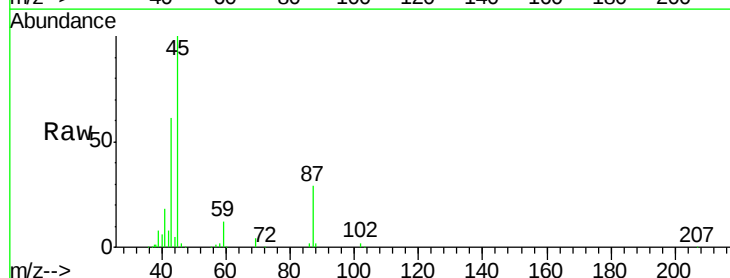
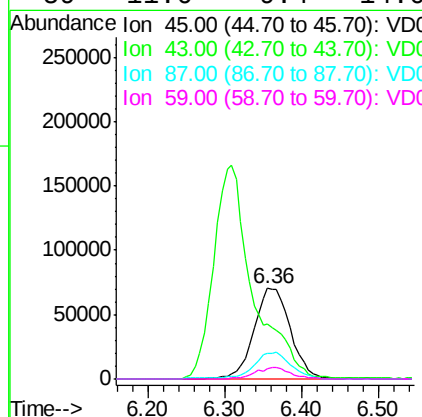
RT: 6.36 min Scan# 754

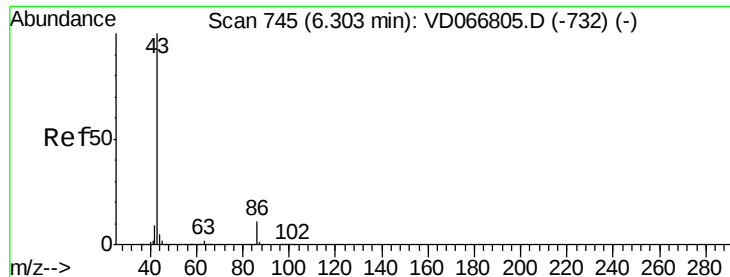
Delta R.T. -0.01 min

Lab File: VD066907.D

Acq: 28 Sep 2020 12:24

Tgt Ion:	45	Resp:	232906
Ion	Ratio	Lower	Upper
45	100		
43	60.3	44.5	66.7
87	28.8	22.9	34.3
59	11.6	9.4	14.0





#23

Vinyl Acetate

Concen: 91.739 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.01 min

Lab File: VD066907.D

Acq: 28 Sep 2020 12:24

Instrument :

MSVOA_D

ClientSampleId :

VD0928SBS01

Tot Ion: 43 Resp: 587796

Ion Ratio Lower Upper

43 100

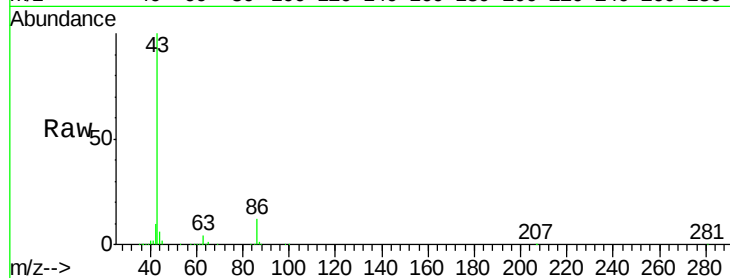
86 12.3 8.9 13.3

Manual Integrations

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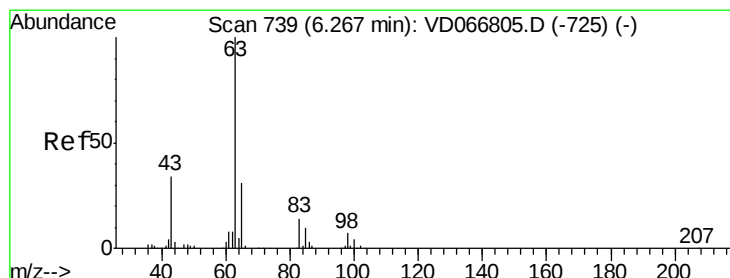
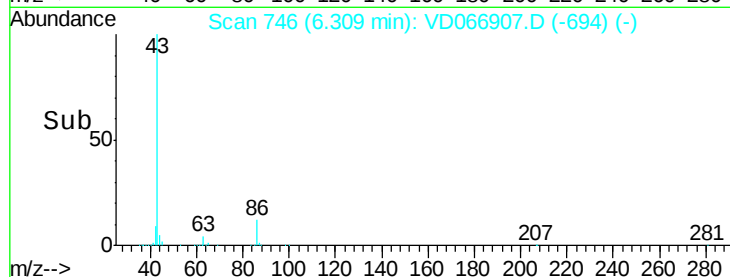
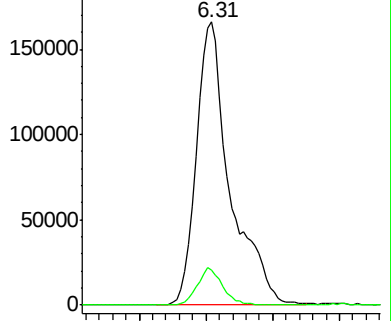
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 19.159 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD066907.D

Acq: 28 Sep 2020 12:24

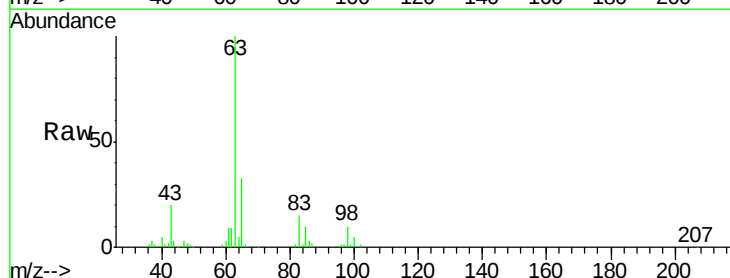
Tgt Ion: 63 Resp: 154133

Ion Ratio Lower Upper

63 100

98 9.8 3.7 11.1

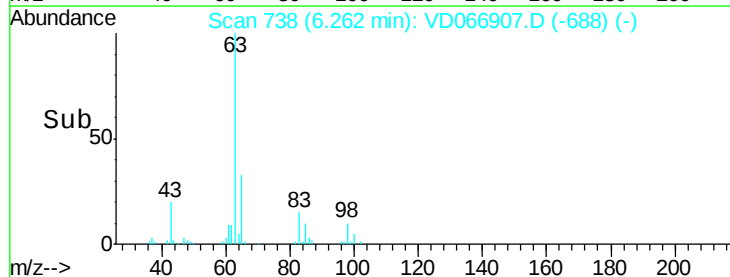
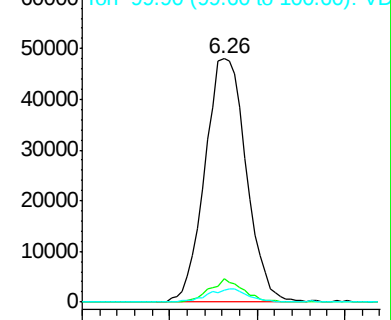
100 4.7 1.8 5.5

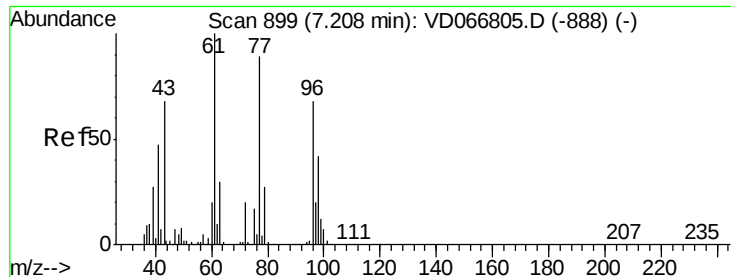


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 97.594 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD066907.D

Acq: 28 Sep 2020 12:24

Instrument :

MSVOA_D

ClientSampleId :

VD0928SBSD01

Tot Ion: 43 Resp: 99047

Ion Ratio Lower Upper

43 100

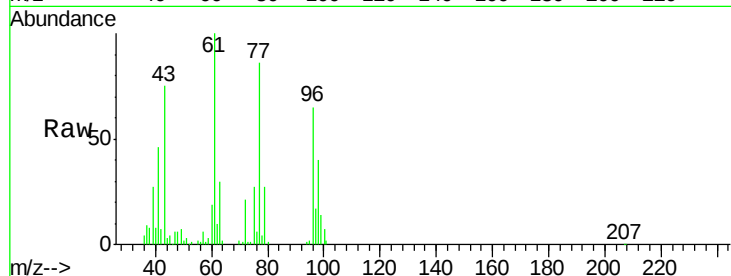
72 28.7 22.9 34.3

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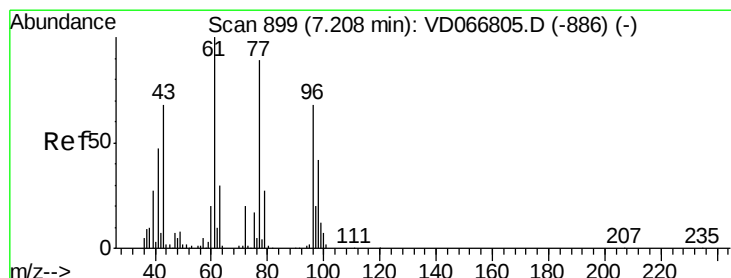
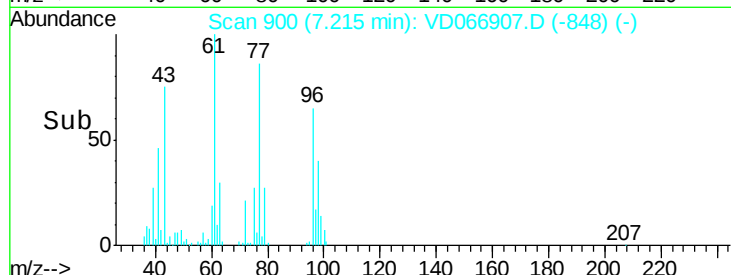
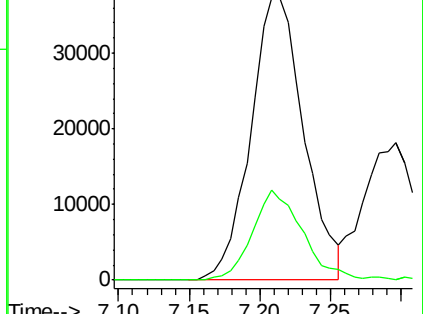
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 19.003 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD066907.D

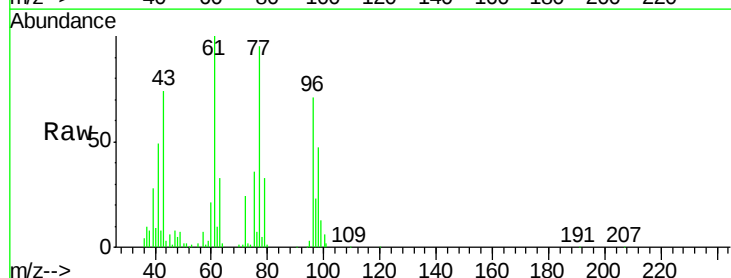
Acq: 28 Sep 2020 12:24

Tgt Ion: 77 Resp: 140116

Ion Ratio Lower Upper

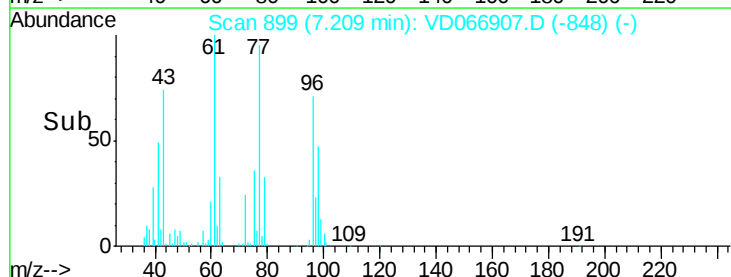
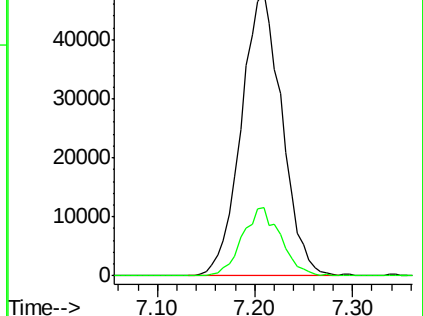
77 100

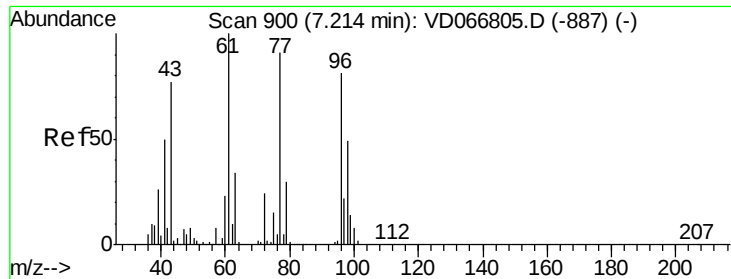
97 22.7 11.7 35.1



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC





#27

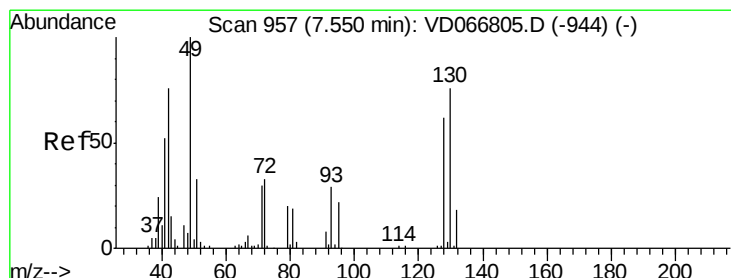
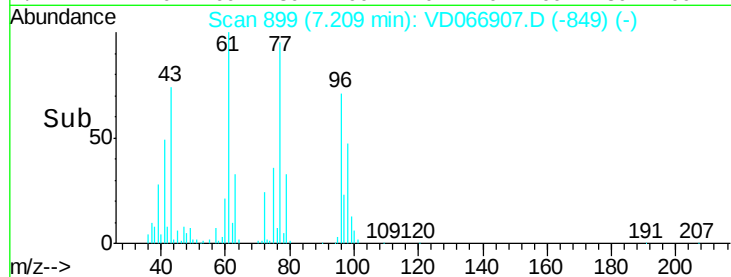
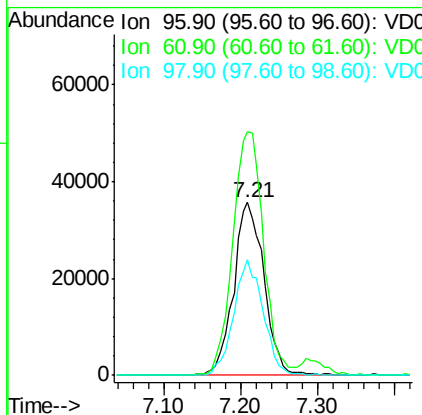
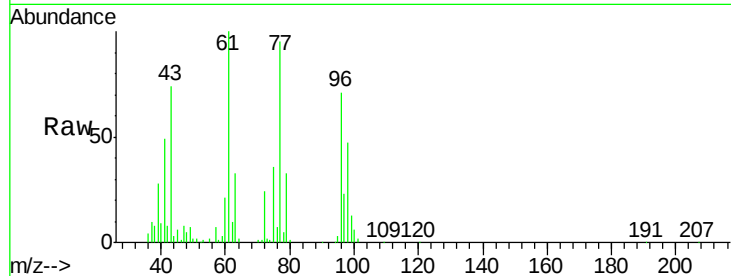
cis-1,2-Dichloroethene
 Concen: 19.649 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VD066907.D
 Acq: 28 Sep 2020 12:24

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0928SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.4	0.0	283.8
98	64.7	0.0	128.4

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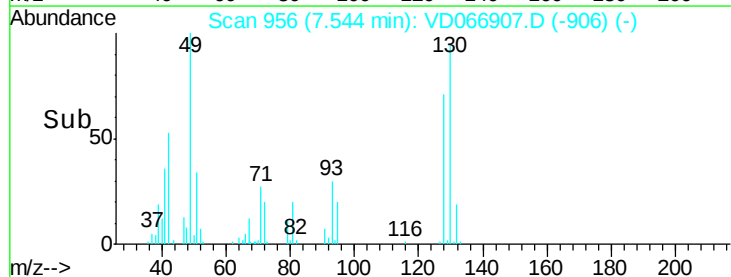
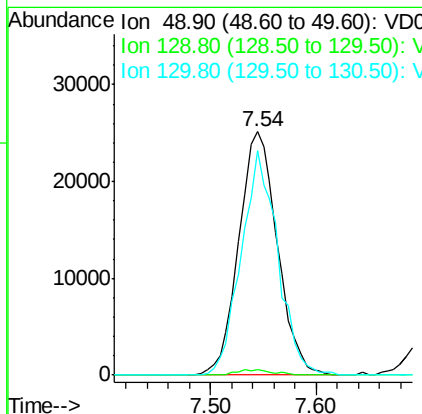
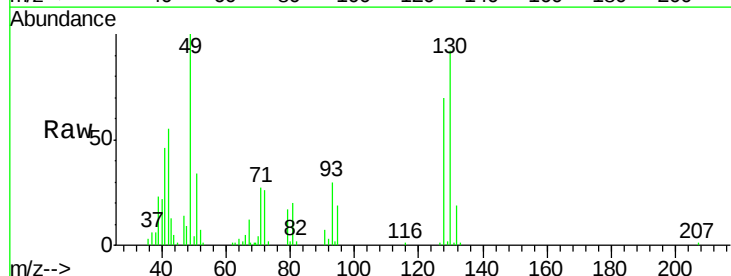
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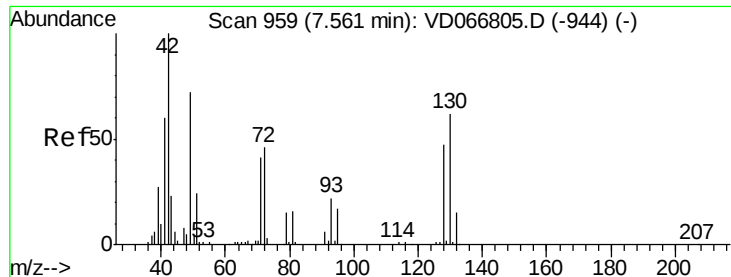


#28

Bromochloromethane
 Concen: 19.120 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. -0.01 min
 Lab File: VD066907.D
 Acq: 28 Sep 2020 12:24

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	2.0
130	87.5	65.9	98.9





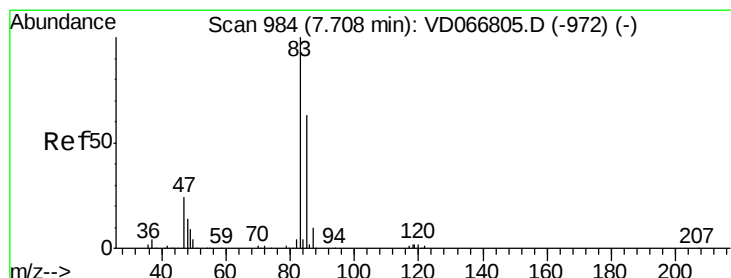
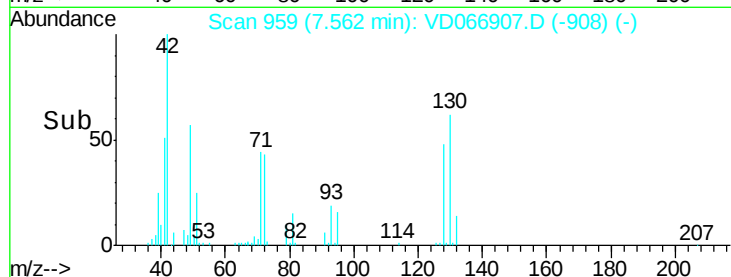
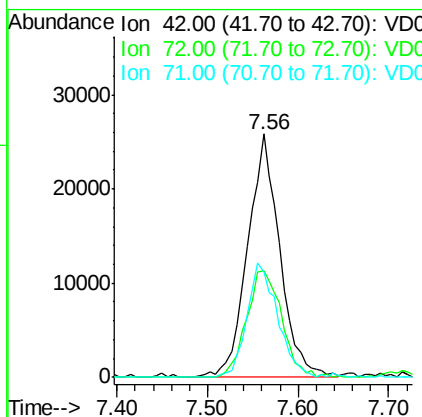
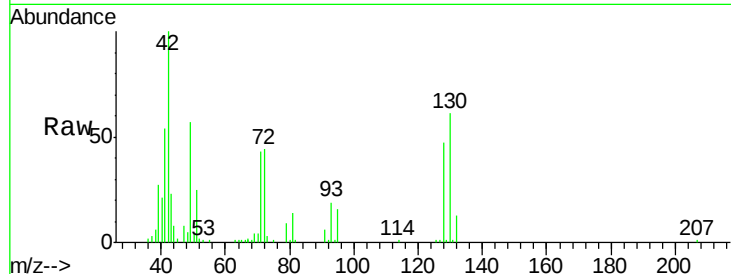
#29
Tetrahydrofuran
Concen: 98.105 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.00 min
Lab File: VD066907.D
Acq: 28 Sep 2020 12:24

Instrument :
MSVOA_D
ClientSampleId :
VD0928SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.3	36.2	54.4
71	44.6	32.4	48.6

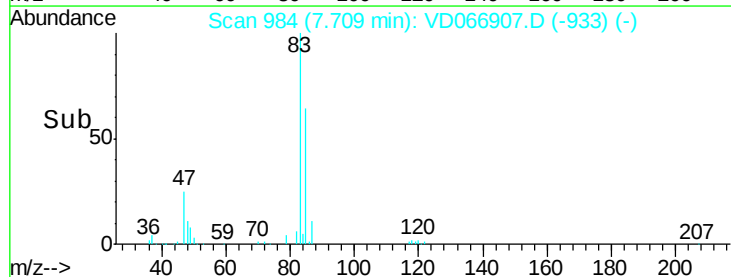
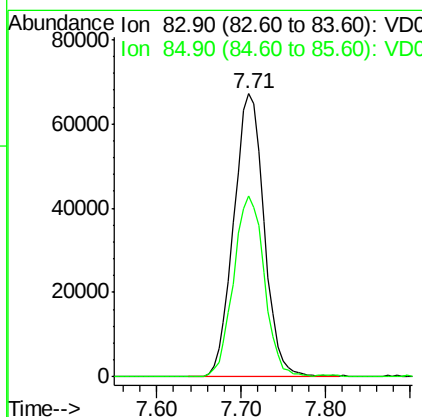
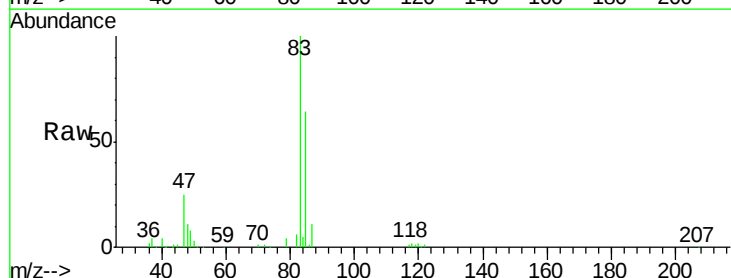
Manual Integrations
APPROVED

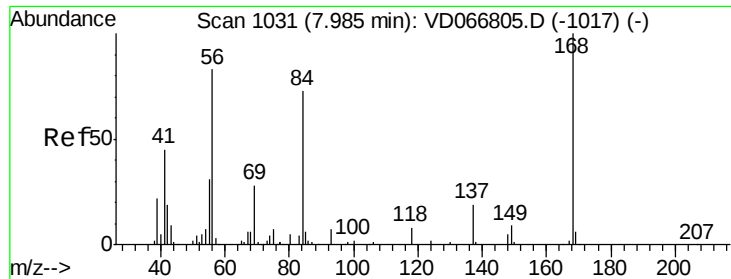
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#30
Chloroform
Concen: 19.244 ug/l
RT: 7.71 min Scan# 984
Delta R.T. 0.00 min
Lab File: VD066907.D
Acq: 28 Sep 2020 12:24

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	50.6	75.8





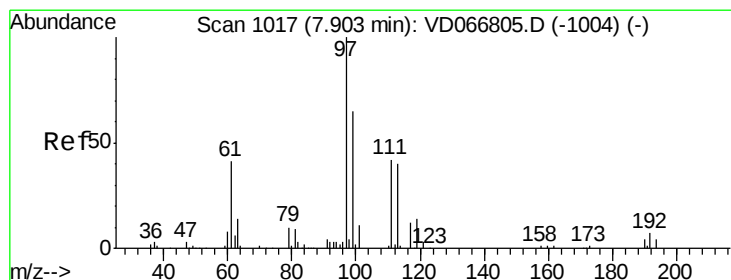
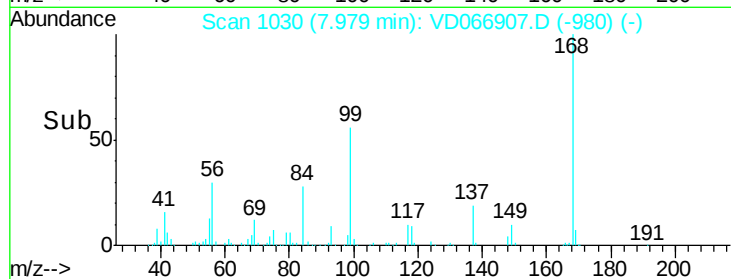
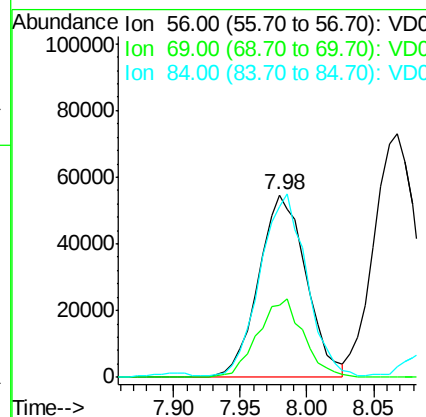
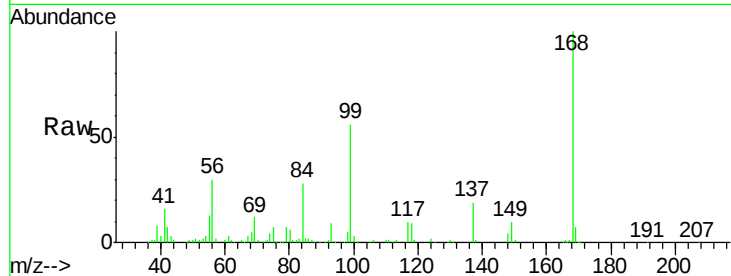
#31
Cyclohexane
Concen: 18.683 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD066907.D
Acq: 28 Sep 2020 12:24

Instrument :
MSVOA_D
ClientSampleId :
VD0928SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	39.7	27.0	40.4
84	92.4	70.2	105.4

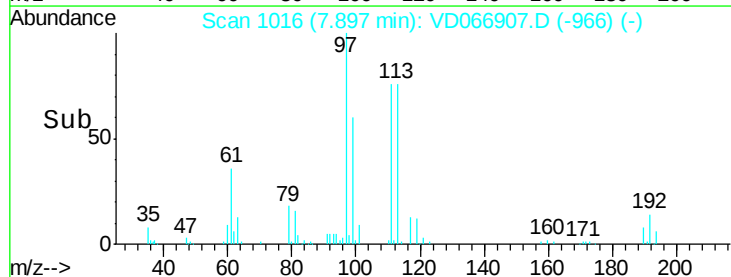
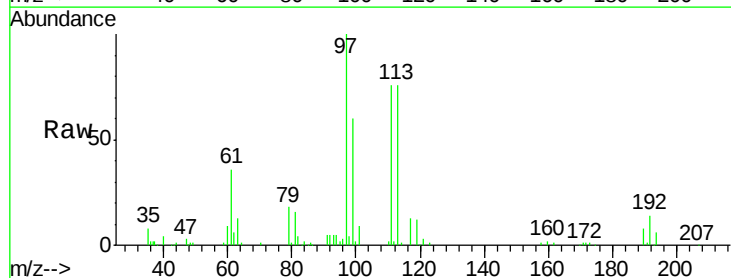
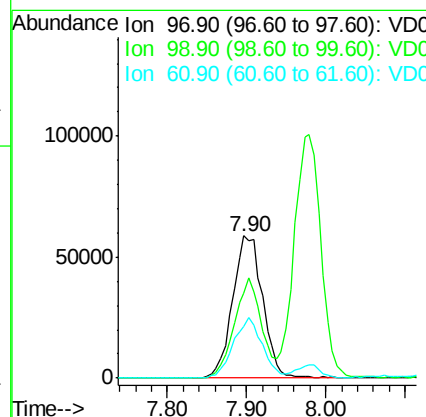
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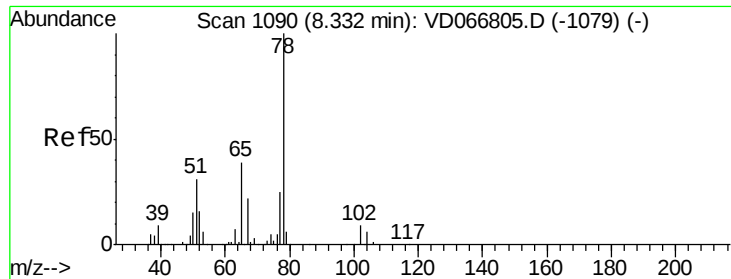
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#32
1,1,1-Trichloroethane
Concen: 19.727 ug/l
RT: 7.90 min Scan# 1016
Delta R.T. -0.01 min
Lab File: VD066907.D
Acq: 28 Sep 2020 12:24

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.5	77.3
61	40.9	34.2	51.4





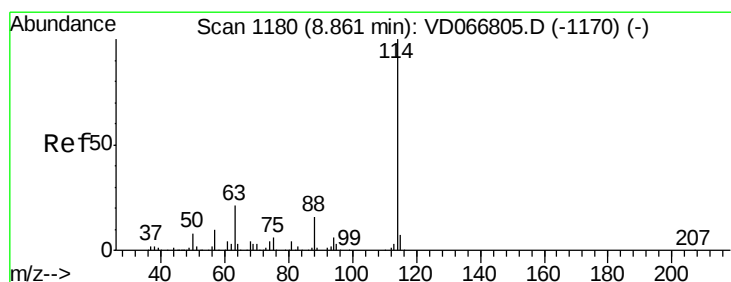
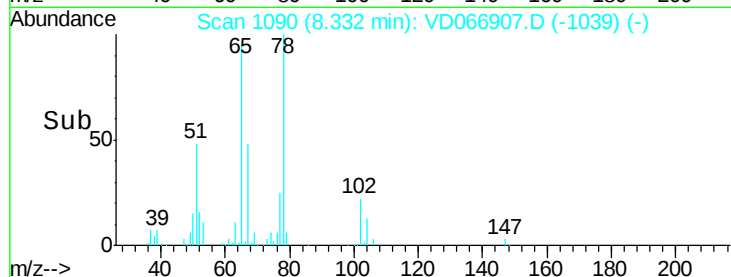
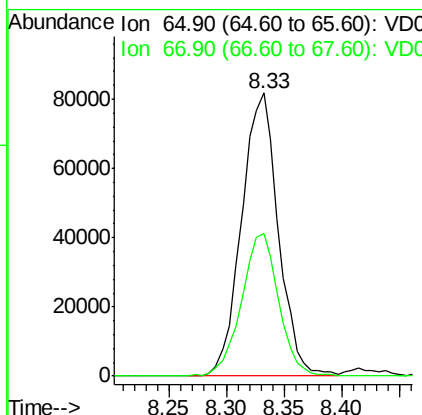
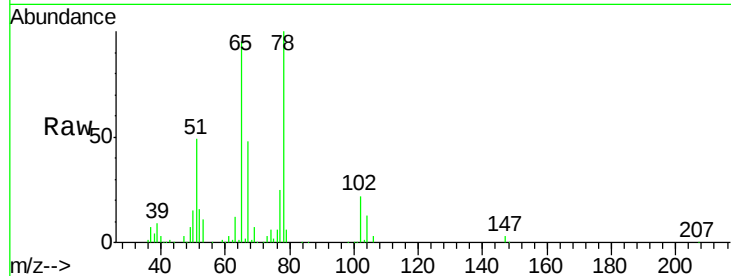
#33
 1,2-Dichloroethane-d4
 Concen: 45.538 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD066907.D
 Acq: 28 Sep 2020 12:24

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0928SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	181290		
67	51.1	0.0	107.2	

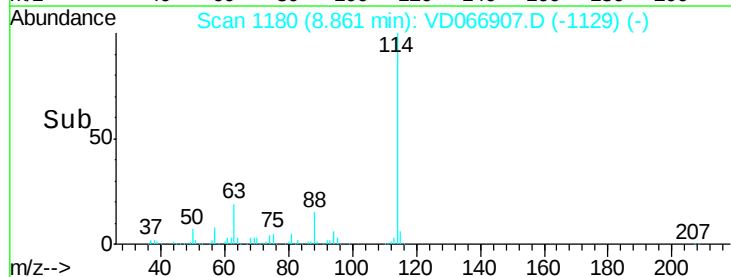
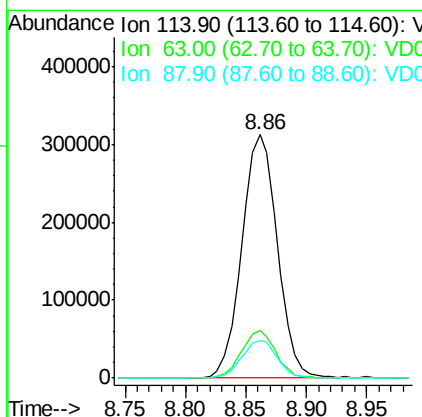
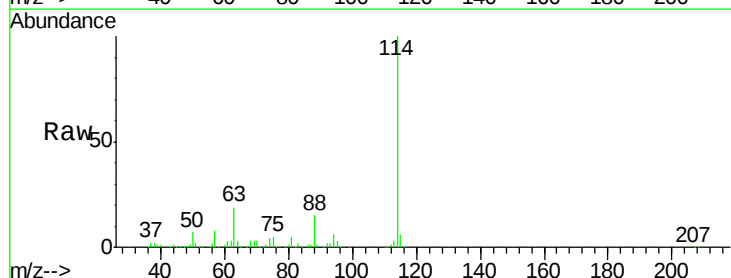
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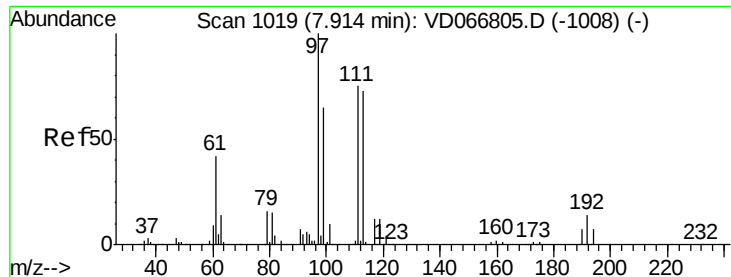
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066907.D
 Acq: 28 Sep 2020 12:24

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	641361		
63	19.4	0.0	42.6	
88	15.3	0.0	32.6	





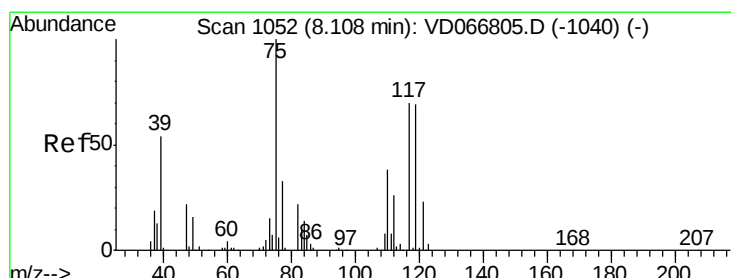
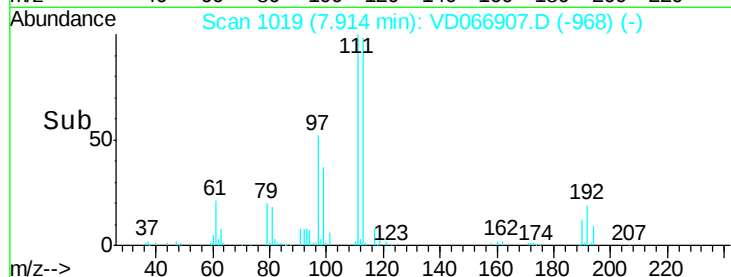
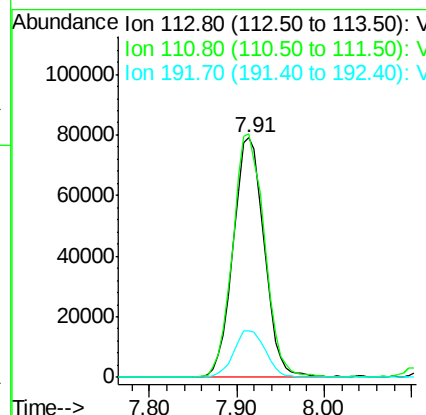
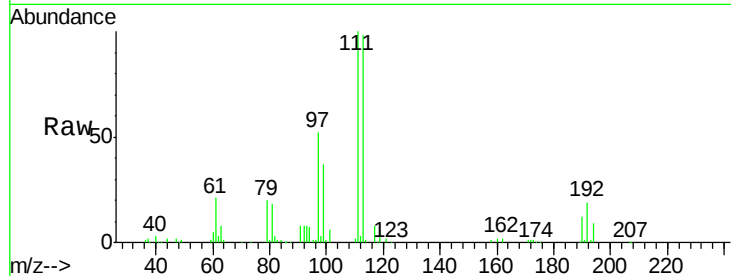
#35
 Dibromofluoromethane
 Concen: 46.844 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD066907.D
 Acq: 28 Sep 2020 12:24

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0928SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	191140		
111	104.0	81.8	122.8	
192	19.9	14.4	21.6	

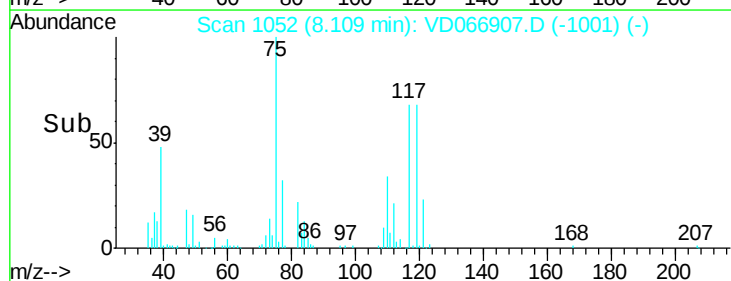
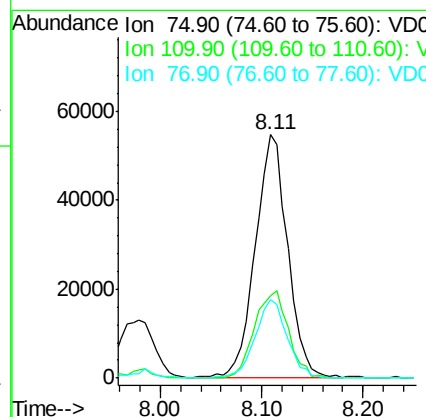
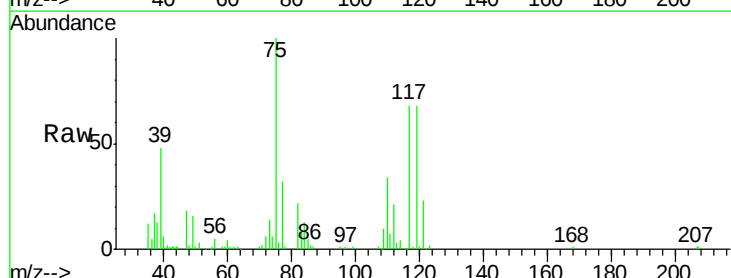
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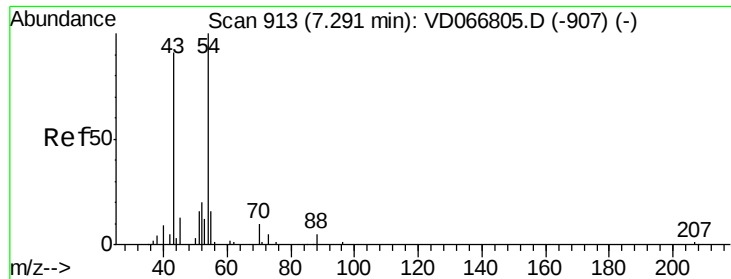
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#36
 1,1-Dichloropropene
 Concen: 19.224 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VD066907.D
 Acq: 28 Sep 2020 12:24

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	122316		
110	37.6	17.9	53.8	
77	31.7	25.0	37.6	





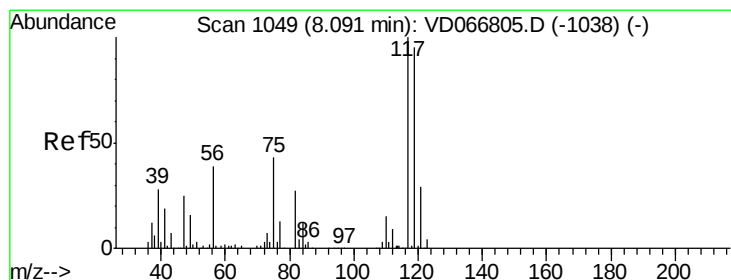
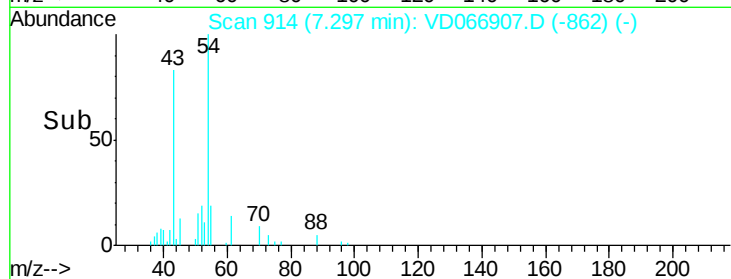
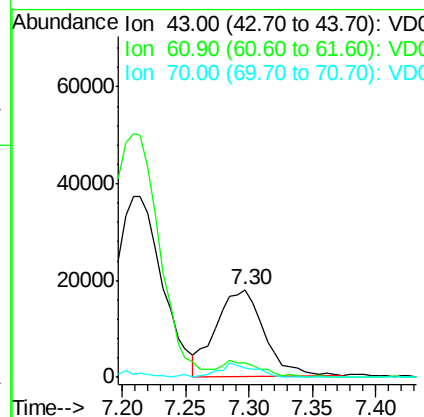
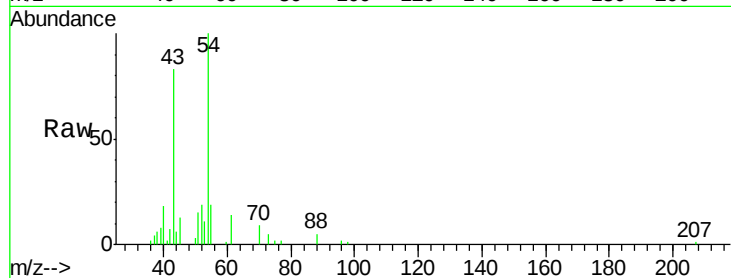
#37
Ethyl Acetate
Concen: 20.748 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.01 min
Lab File: VD066907.D
Acq: 28 Sep 2020 12:24

Instrument :
MSVOA_D
ClientSampleId :
VD0928SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.7	9.8	14.8
70	11.8	8.5	12.7

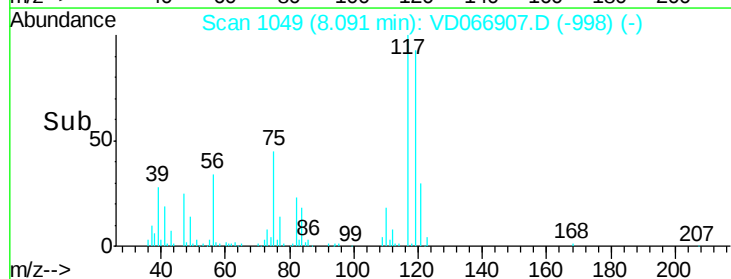
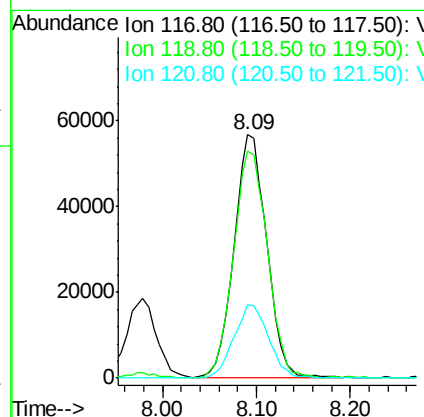
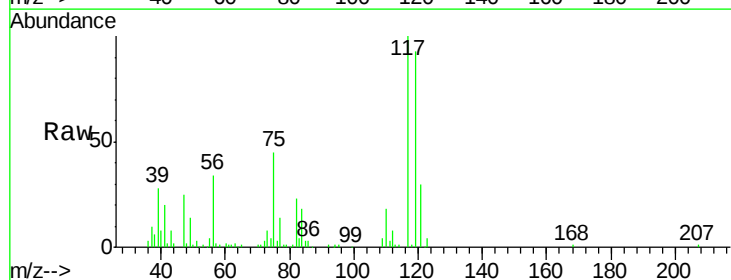
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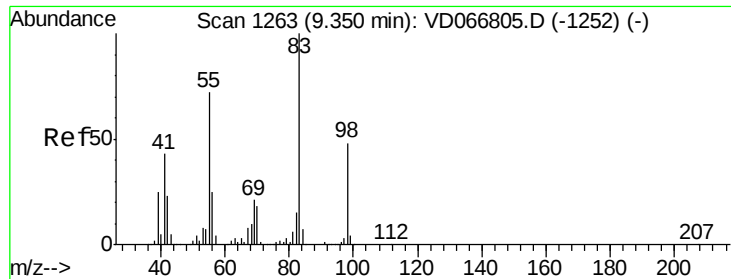
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#38
Carbon Tetrachloride
Concen: 19.749 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VD066907.D
Acq: 28 Sep 2020 12:24

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.0	75.8	113.8
121	30.0	23.4	35.0





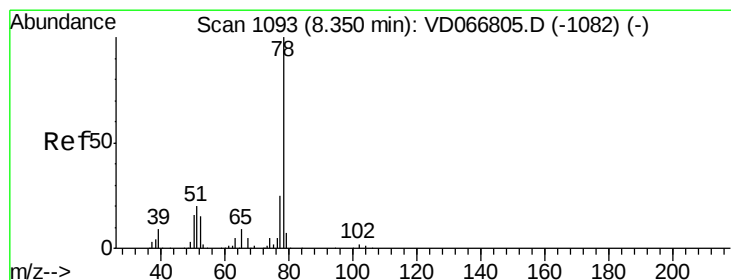
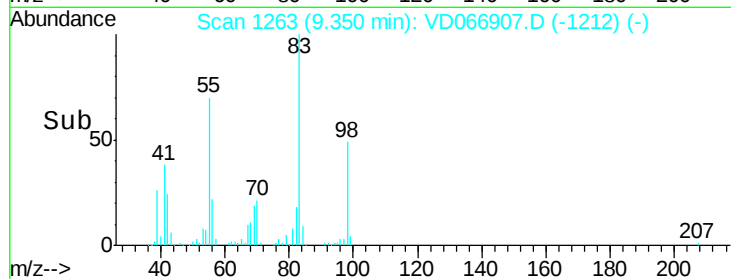
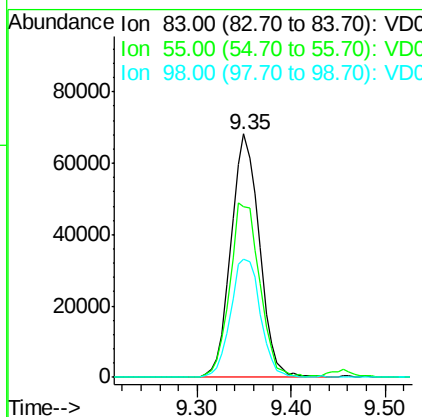
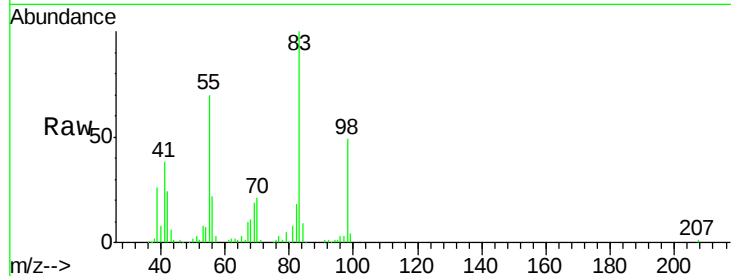
#39
Methylvlcvclohexane
Concen: 19.633 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VD066907.D
Acq: 28 Sep 2020 12:24

Instrument :
MSVOA_D
ClientSampleId :
VD0928SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	143430		
55	70.1		57.7	86.5
98	48.7		38.4	57.6

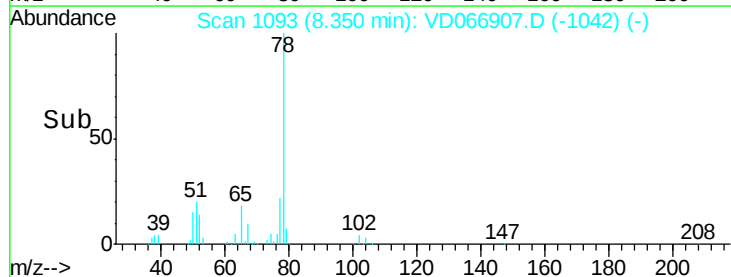
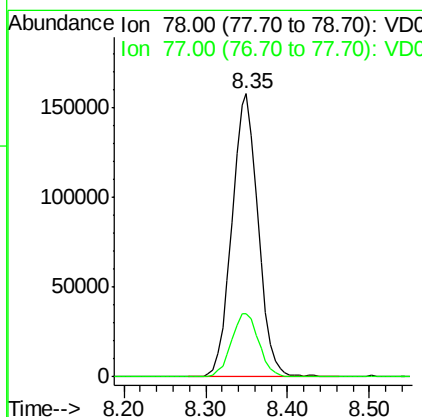
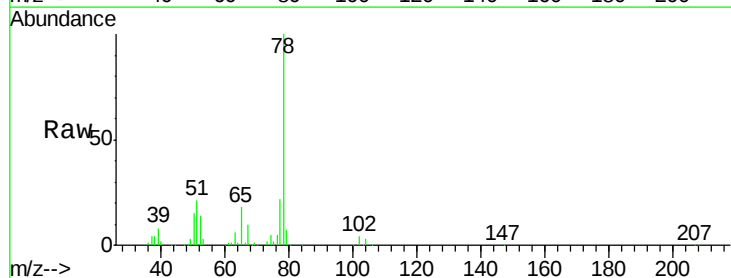
Manual Integrations
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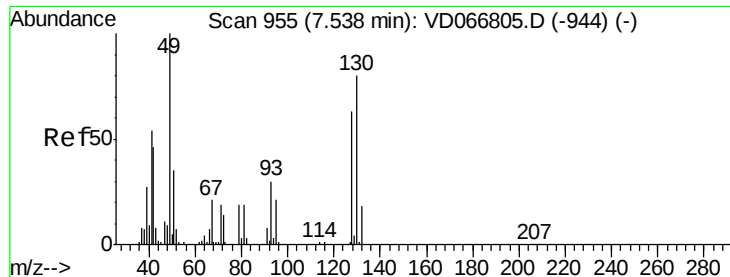
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#40
Benzene
Concen: 19.848 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD066907.D
Acq: 28 Sep 2020 12:24

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	351968		
77	22.2		19.9	29.9





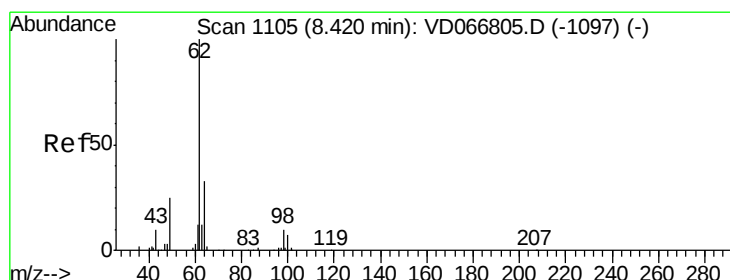
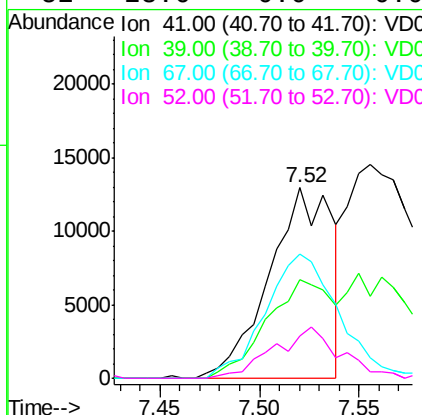
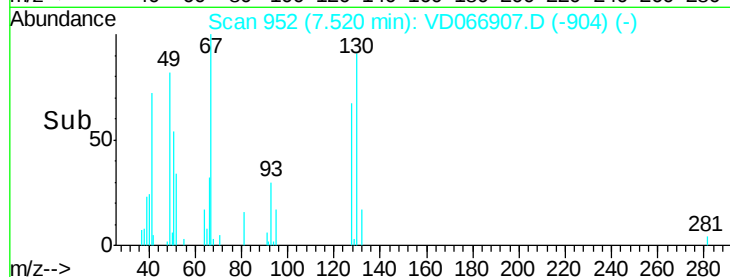
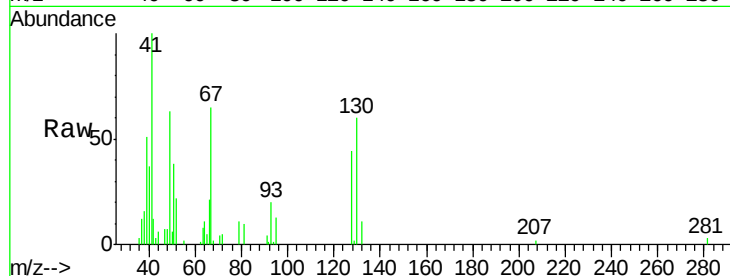
#41
Methacrylonitrile
Concen: 20.119 ug/l m
RT: 7.52 min Scan# 952
Delta R.T. -0.02 min
Lab File: VD066907.D
Acq: 28 Sep 2020 12:24

Instrument :
MSVOA_D
ClientSampleId :
VD0928SBS01

Tot Ion	41	Resp	28460
Ion	Ratio	Lower	Upper
41	100		
39	53.4	0.0	0.0#
67	76.3	0.0	0.0#
52	28.6	0.0	0.0#

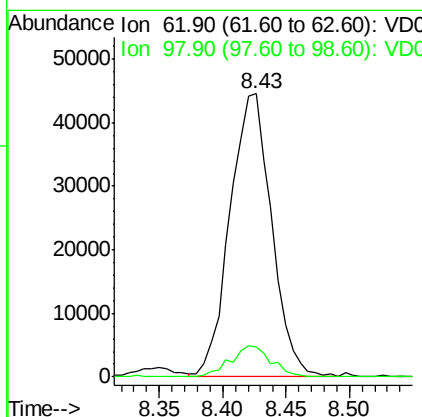
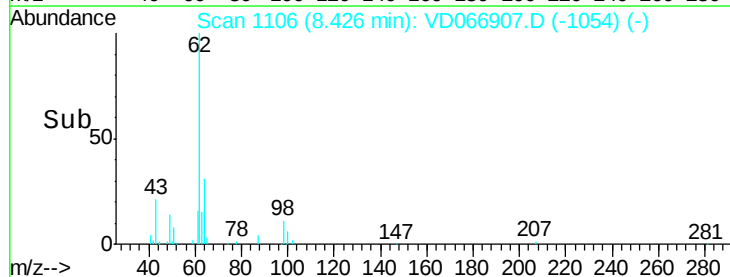
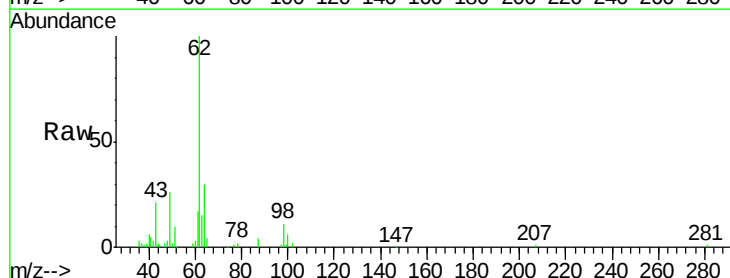
Manual Integrations
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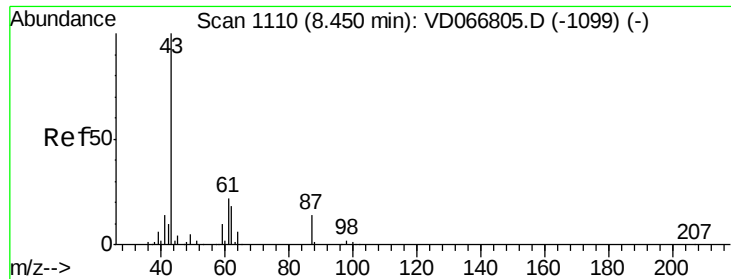
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9/29/2020 11:46:42 AM



#42
1,2-Dichloroethane
Concen: 19.346 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.01 min
Lab File: VD066907.D
Acq: 28 Sep 2020 12:24

Tgt Ion	62	Resp	101419
Ion	Ratio	Lower	Upper
62	100		
98	10.8	0.0	19.8





#43

Isopropyl Acetate

Concen: 19.358 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VD066907.D

Acq: 28 Sep 2020 12:24

Instrument :

MSVOA_D

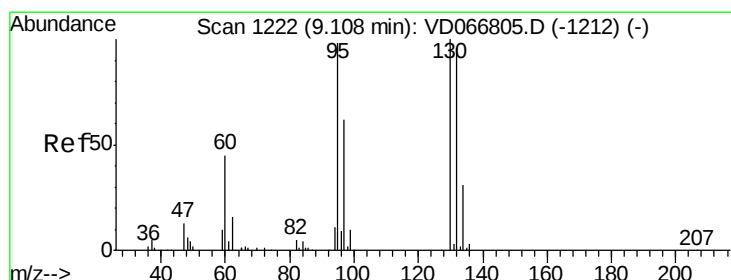
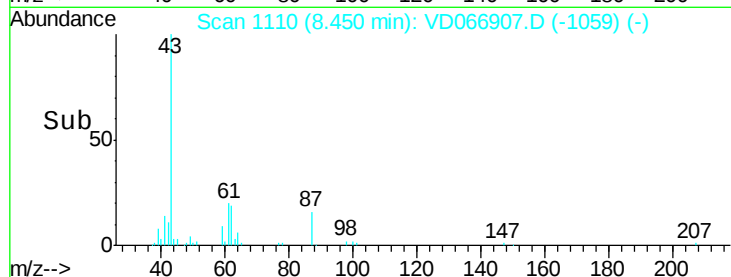
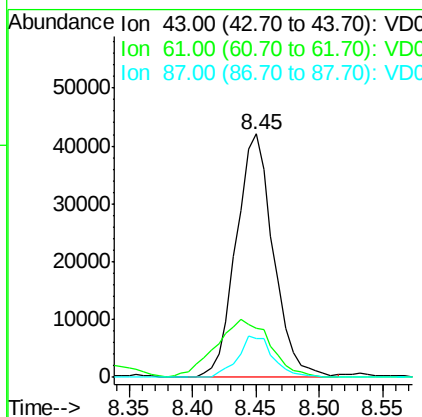
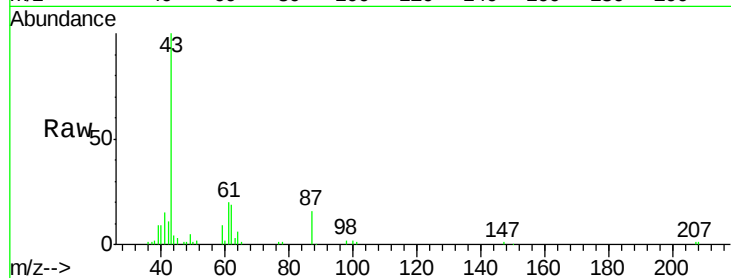
ClientSampleId :

VD0928SBS01

Tot Ion:	43	Resp:	85846
Ion	Ratio	Lower	Upper
43	100		
61	34.7	26.2	39.4
87	16.2	11.5	17.3

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#44

Trichloroethene

Concen: 20.805 ug/l

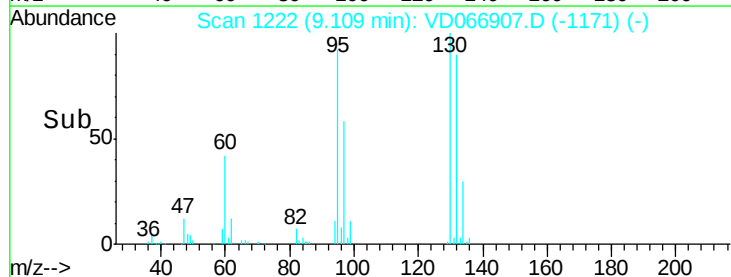
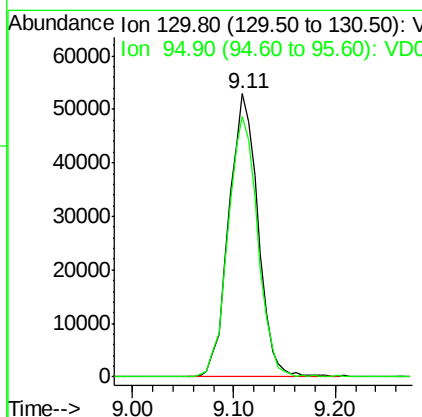
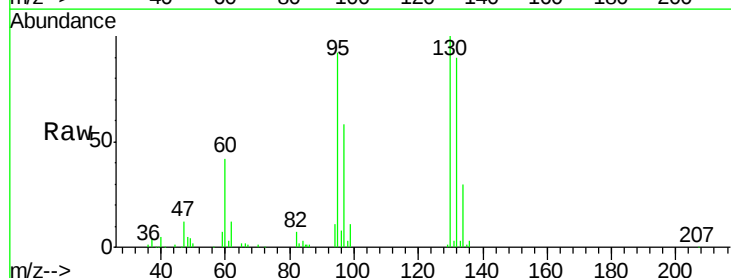
RT: 9.11 min Scan# 1222

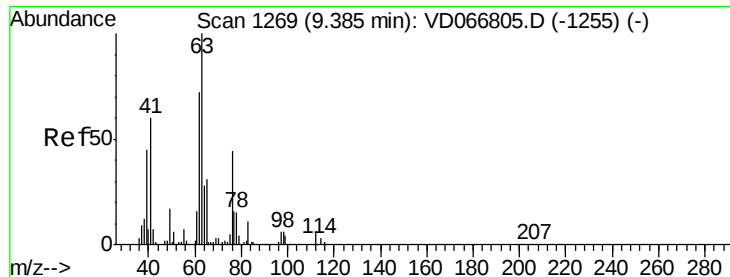
Delta R.T. 0.00 min

Lab File: VD066907.D

Acq: 28 Sep 2020 12:24

Tgt Ion:	130	Resp:	105159
Ion	Ratio	Lower	Upper
130	100		
95	92.1	0.0	197.0





#45

1,2-Dichloropropane

Concen: 19.939 ug/l

RT: 9.38 min Scan# 1268

Delta R.T. -0.01 min

Lab File: VD066907.D

Acq: 28 Sep 2020 12:24

Instrument :

MSVOA_D

ClientSampleId :

VD0928SBS01

Tot Ion: 63 Resp: 88960

Ion Ratio Lower Upper

63 100

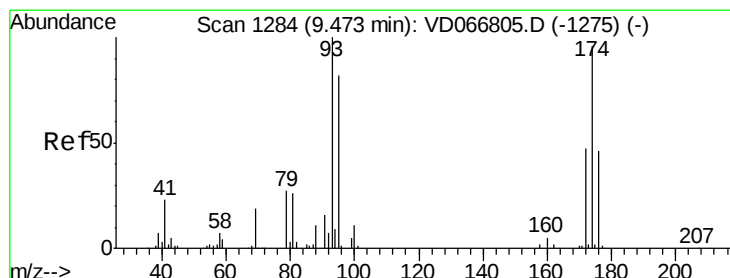
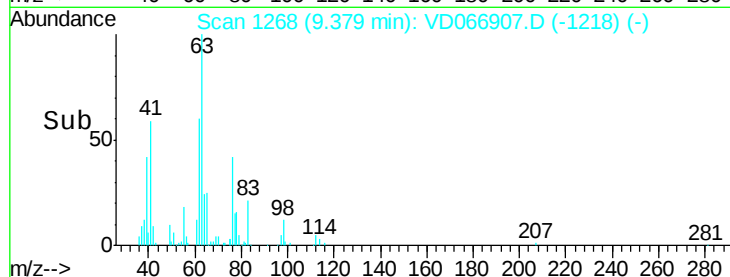
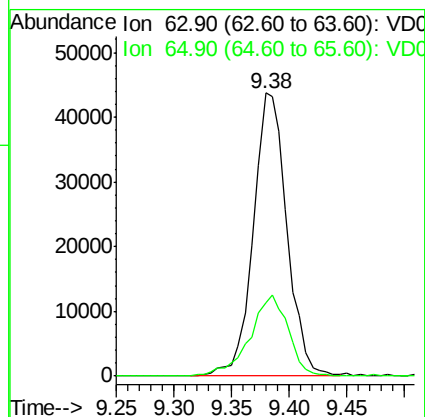
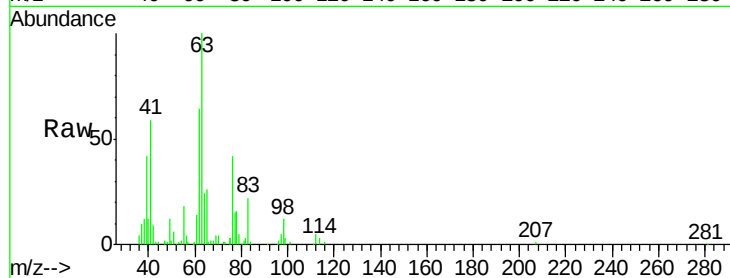
65 26.1 24.7 37.1

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#46

Dibromomethane

Concen: 20.121 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VD066907.D

Acq: 28 Sep 2020 12:24

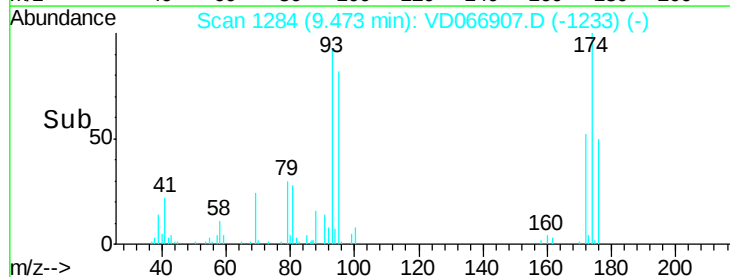
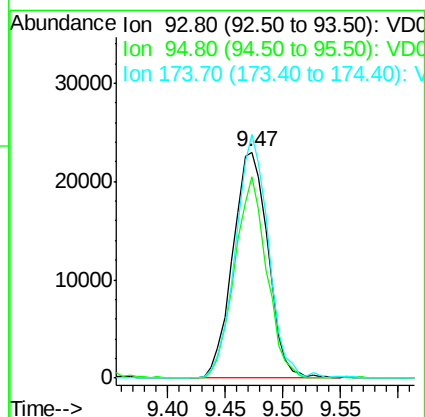
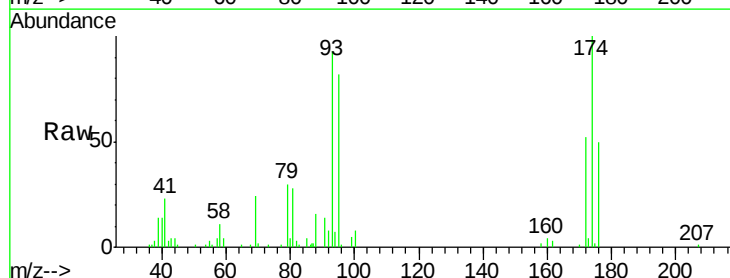
Tgt Ion: 93 Resp: 48776

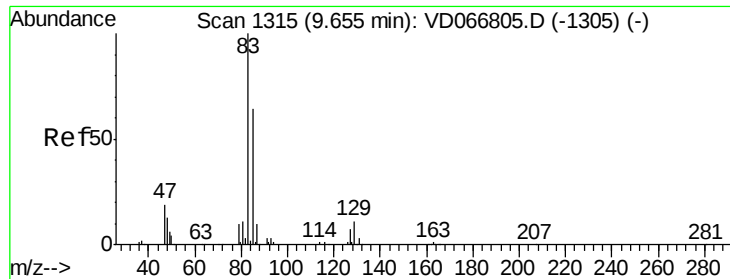
Ion Ratio Lower Upper

93 100

95 81.1 65.3 97.9

174 99.5 75.4 113.2





#47

Bromodichloromethane

Concen: 19.520 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. 0.01 min

Lab File: VD066907.D

Acq: 28 Sep 2020 12:24

Instrument :

MSVOA_D

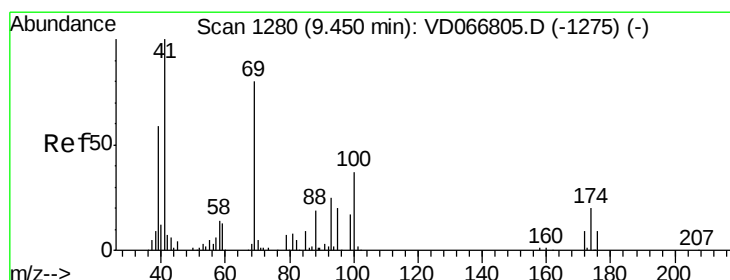
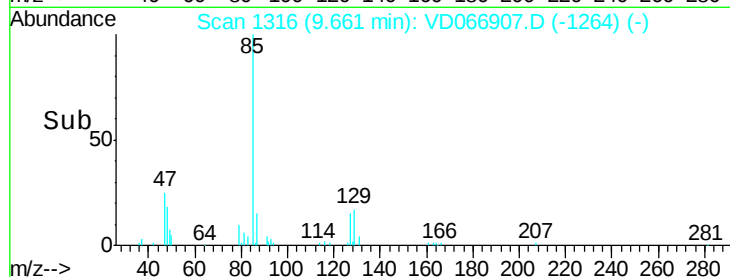
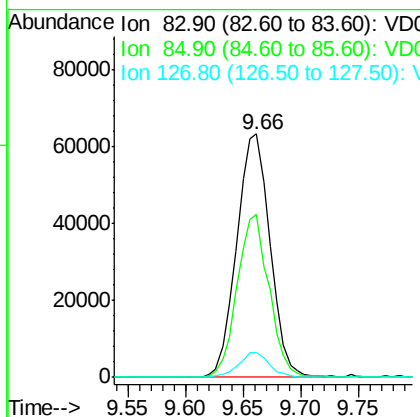
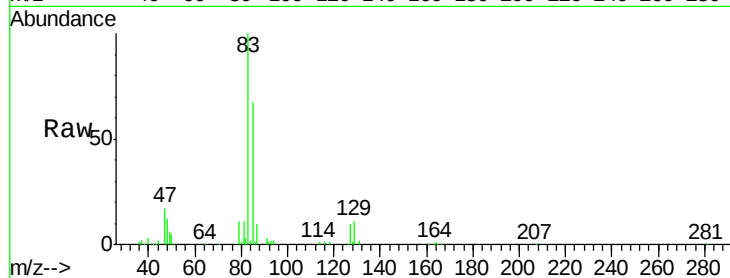
ClientSampleId :

VD0928SBS01

Tot Ion:	83	Resp:	127113
Ion Ratio	Lower	Upper	
83	100		
85	67.1	50.9	76.3
127	9.9	5.9	8.9#

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#48

Methyl methacrylate

Concen: 19.390 ug/l

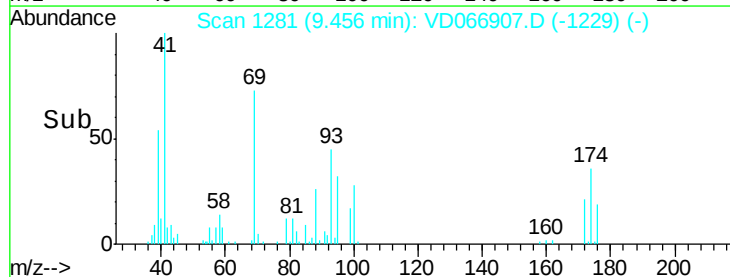
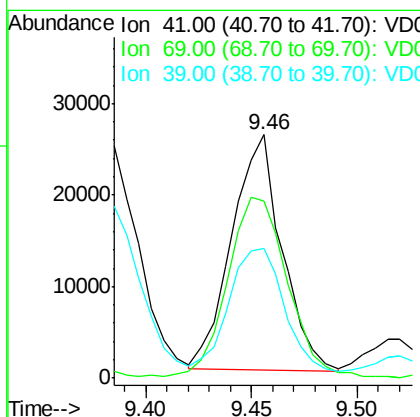
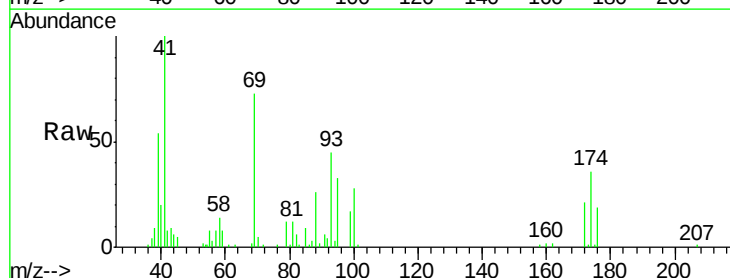
RT: 9.46 min Scan# 1281

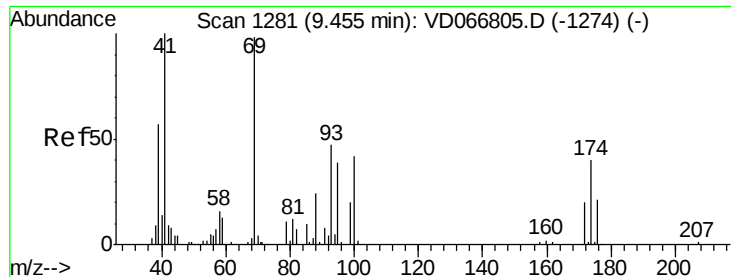
Delta R.T. 0.01 min

Lab File: VD066907.D

Acq: 28 Sep 2020 12:24

Tgt Ion:	41	Resp:	42397
Ion Ratio	Lower	Upper	
41	100		
69	92.3	74.5	111.7
39	57.2	47.0	70.6





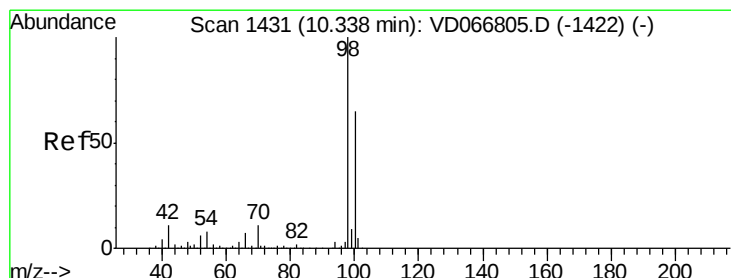
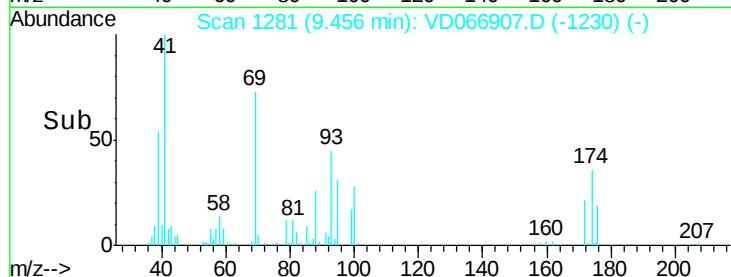
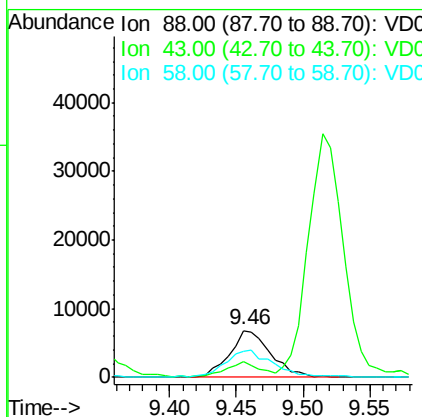
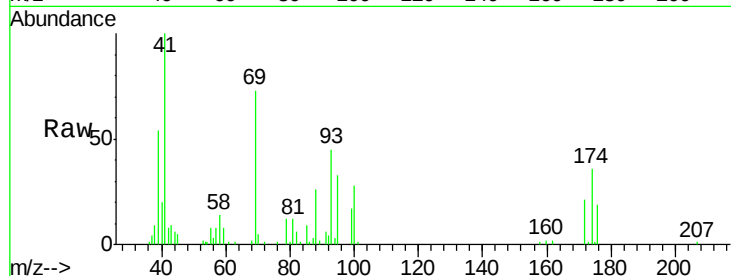
#49
1,4-Dioxane
Concen: 467.096 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. 0.00 min
Lab File: VD066907.D
Acq: 28 Sep 2020 12:24

Instrument :
MSVOA_D
ClientSampleId :
VD0928SBS01

Tot Ion	88	Resp	14361
Ion Ratio	Lower	Upper	
88	100		
43	28.9	27.7	41.5
58	68.3	55.5	83.3

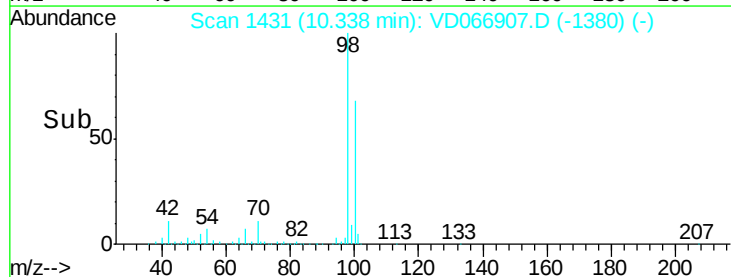
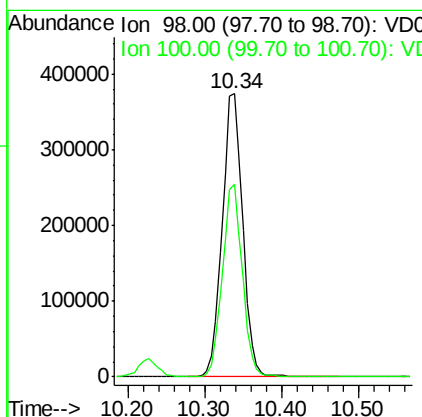
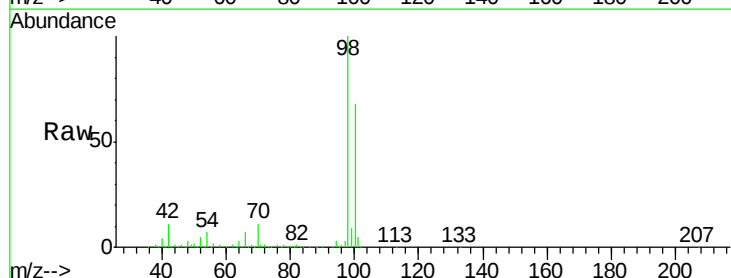
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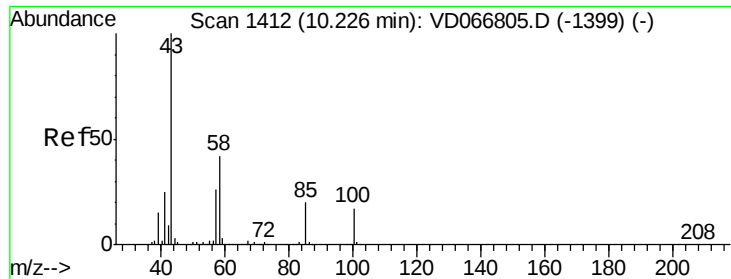
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#50
Toluene-d8
Concen: 49.761 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066907.D
Acq: 28 Sep 2020 12:24

Tgt Ion	98	Resp	691793
Ion Ratio	Lower	Upper	
98	100		
100	66.1	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 101.536 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. 0.00 min

Lab File: VD066907.D

Acq: 28 Sep 2020 12:24

Instrument :

MSVOA_D

ClientSampleId :

VD0928SBS01

Tot Ion: 43 Resp: 228160

Ion Ratio Lower Upper

43 100

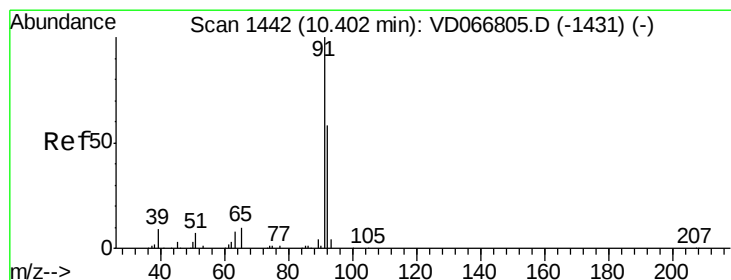
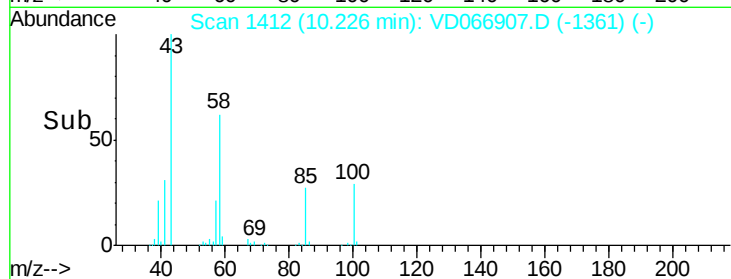
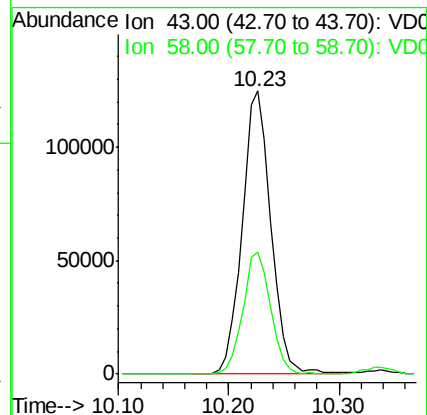
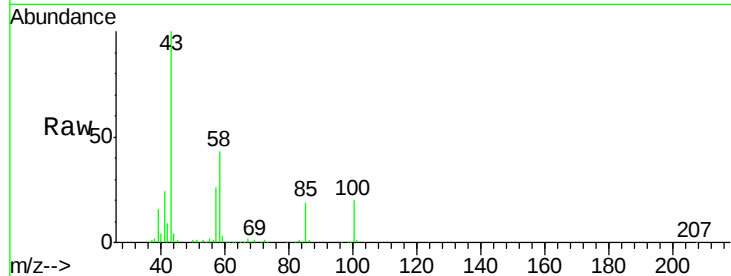
58 41.9 32.2 48.4

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#52

Toluene

Concen: 20.455 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD066907.D

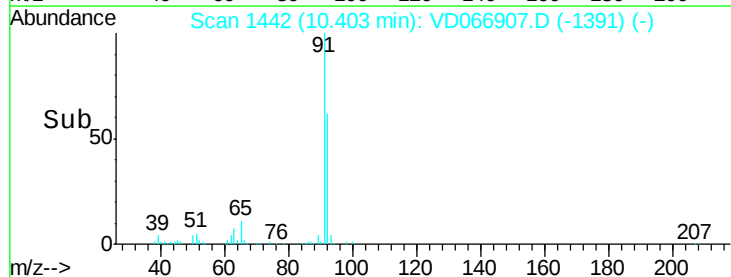
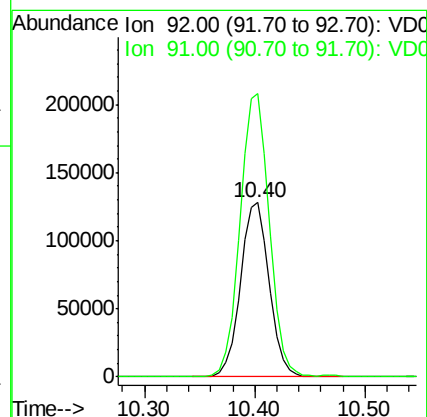
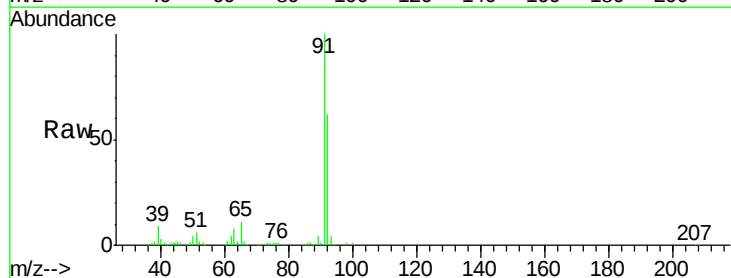
Acq: 28 Sep 2020 12:24

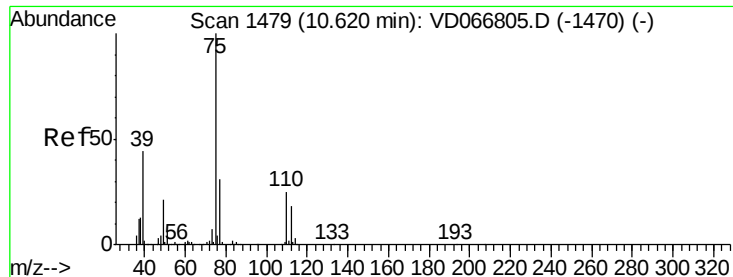
Tgt Ion: 92 Resp: 233642

Ion Ratio Lower Upper

92 100

91 166.0 134.6 202.0





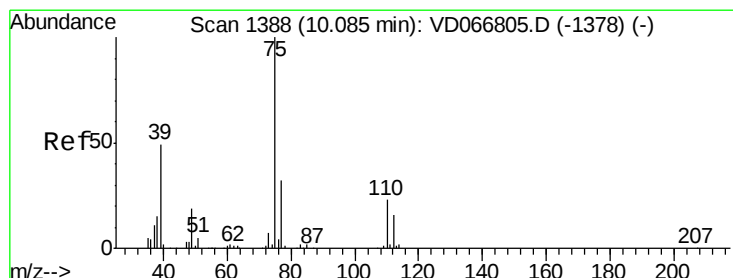
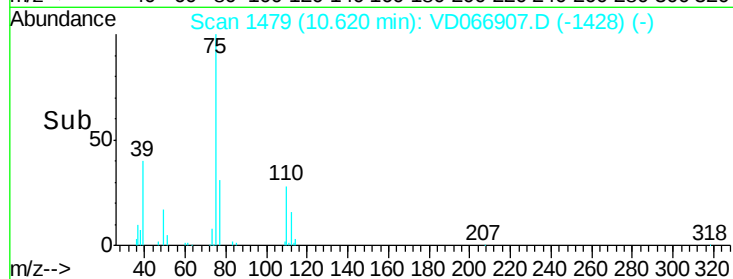
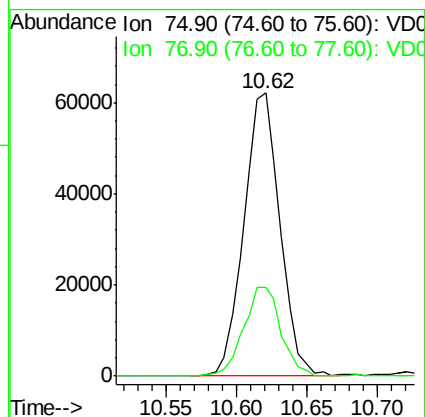
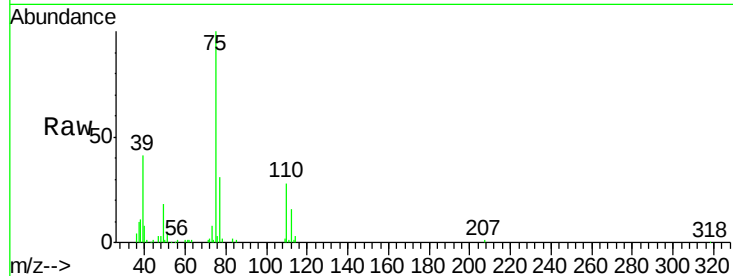
#53
t-1,3-Dichloropropene
Concen: 20.078 ug/l
RT: 10.62 min Scan# 1479
Delta R.T. 0.00 min
Lab File: VD066907.D
Acq: 28 Sep 2020 12:24

Instrument :
MSVOA_D
ClientSampleId :
VD0928SBS01

Tot Ion	75	Resp	111284
Ion Ratio	Lower	Upper	
75	100		
77	31.3	24.5	36.7

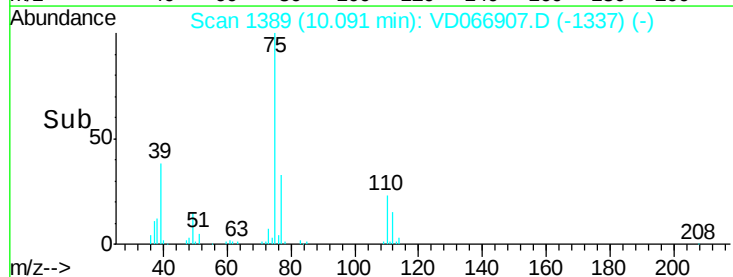
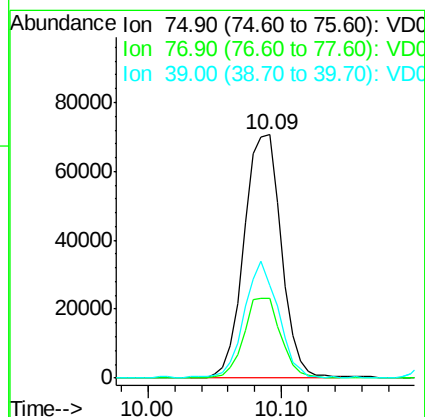
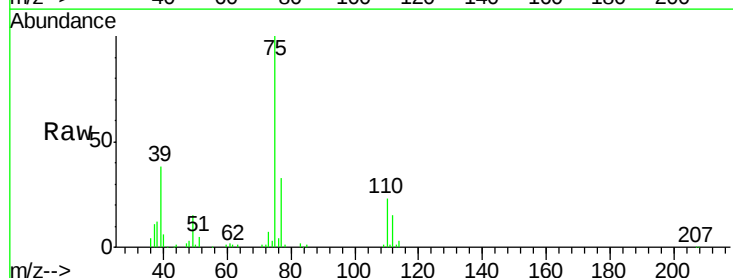
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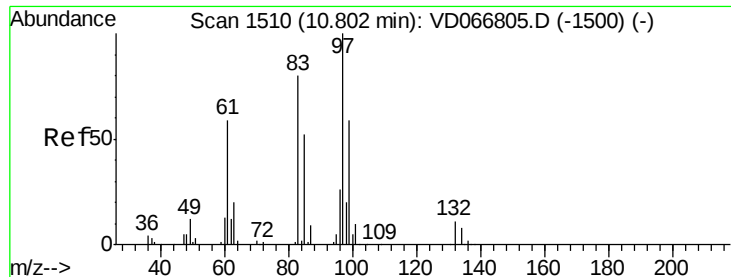
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#54
cis-1,3-Dichloropropene
Concen: 20.143 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. 0.01 min
Lab File: VD066907.D
Acq: 28 Sep 2020 12:24

Tgt Ion	75	Resp	136130
Ion Ratio	Lower	Upper	
75	100		
77	32.8	25.6	38.4
39	37.6	39.2	58.8#





#55

1,1,2-Trichloroethane

Concen: 20.791 ug/l

RT: 10.80 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VD066907.D

Acq: 28 Sep 2020 12:24

Instrument :

MSVOA_D

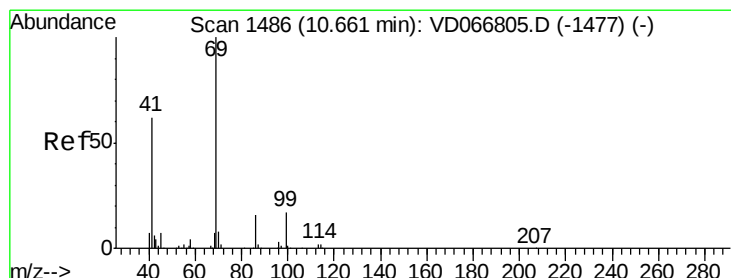
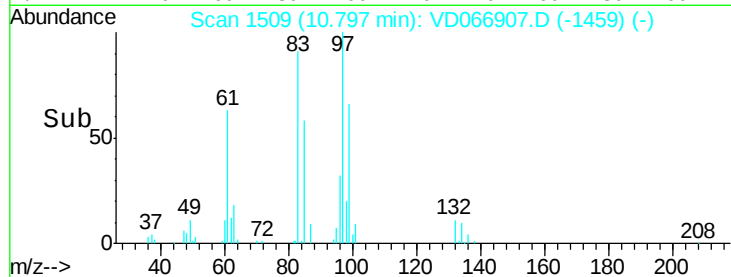
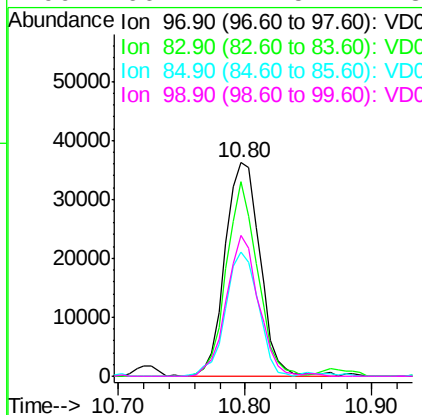
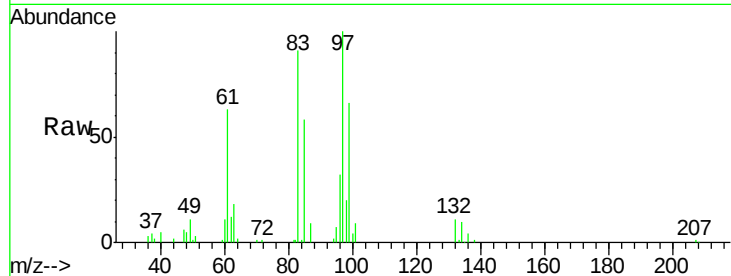
ClientSampleId :

VD0928SBS01

Tot Ion:	97	Resp:	69284
Ion	Ratio	Lower	Upper
97	100		
83	91.4	64.2	96.2
85	57.4	41.9	62.9
99	66.1	47.5	71.3

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#56

Ethyl methacrylate

Concen: 20.656 ug/l

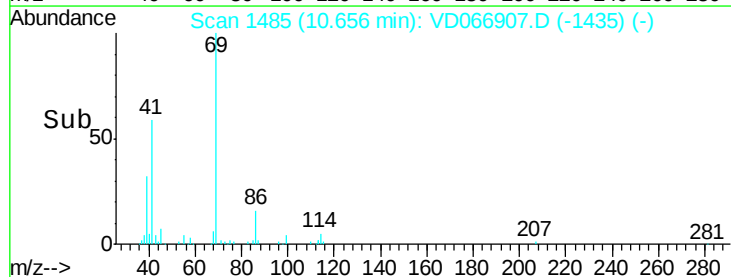
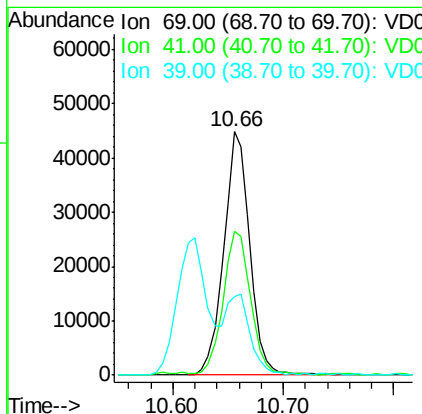
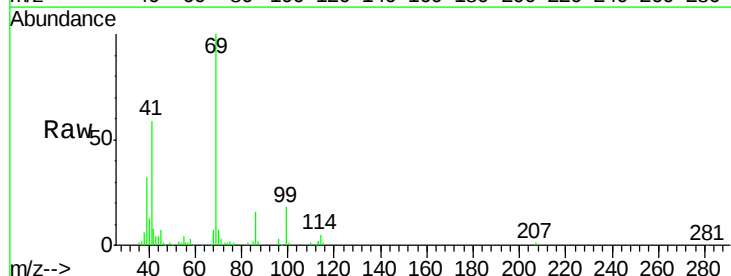
RT: 10.66 min Scan# 1485

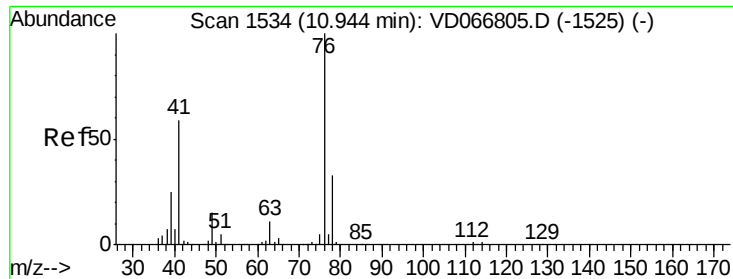
Delta R.T. -0.01 min

Lab File: VD066907.D

Acq: 28 Sep 2020 12:24

Tgt Ion:	69	Resp:	73741
Ion	Ratio	Lower	Upper
69	100		
41	62.9	52.2	78.2
39	30.0	26.6	40.0





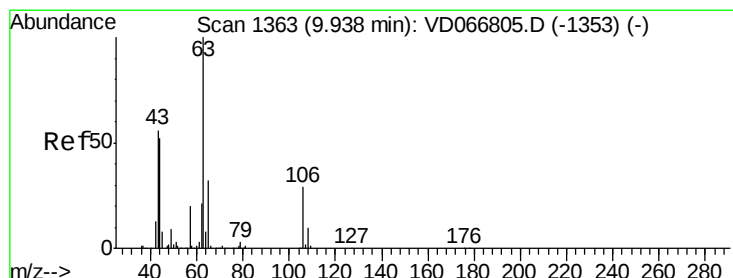
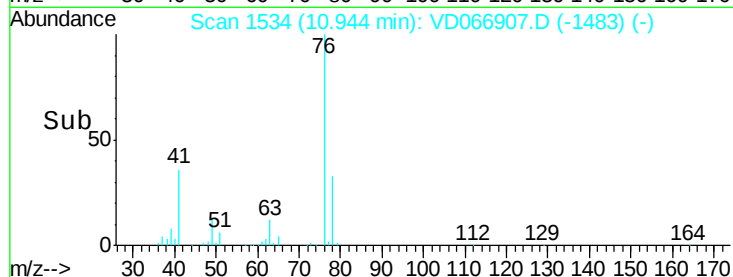
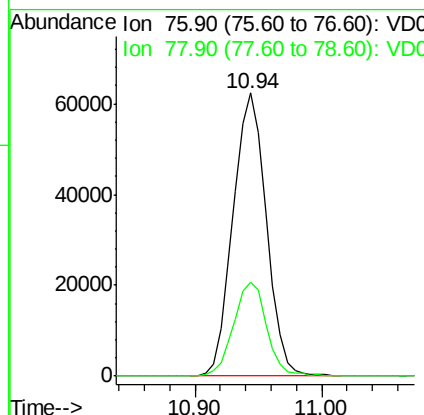
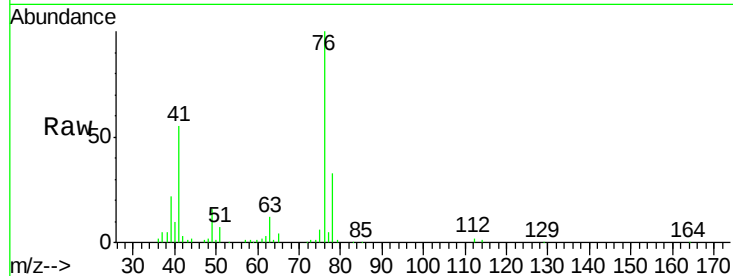
#57
 1,3-Dichloropropane
 Concen: 20.585 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VD066907.D
 Acq: 28 Sep 2020 12:24

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0928SBS01

Tot Ion: 76 Resp: 113272
 Ion Ratio Lower Upper
 76 100
 78 32.9 26.3 39.5

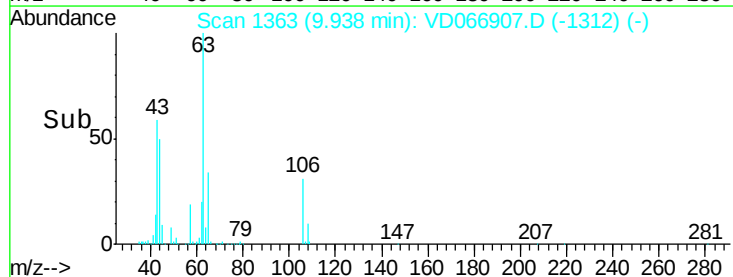
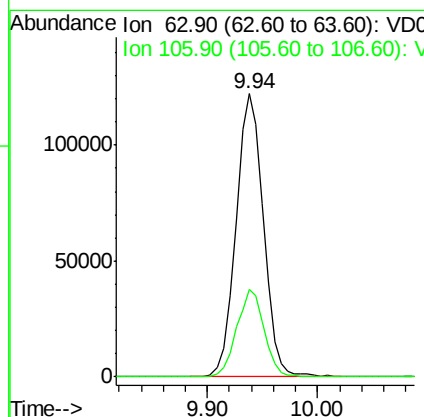
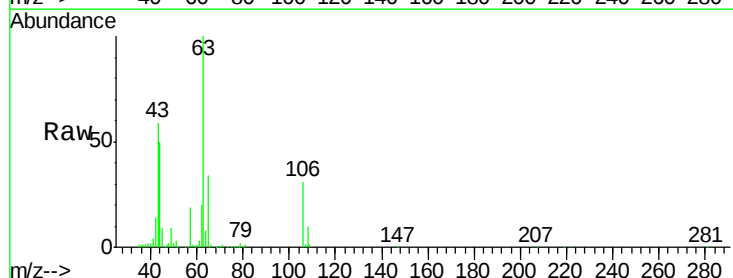
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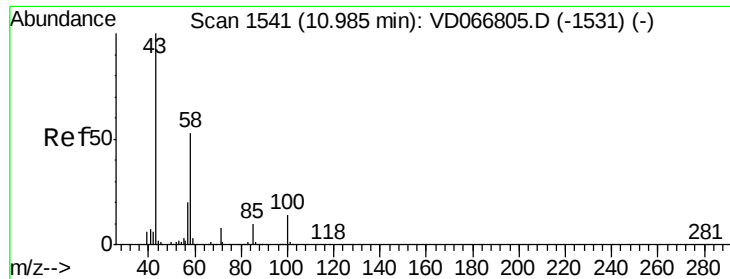
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#58
 2-Chloroethyl Vinyl ether
 Concen: 125.732 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VD066907.D
 Acq: 28 Sep 2020 12:24

Tgt Ion: 63 Resp: 212536
 Ion Ratio Lower Upper
 63 100
 106 30.8 23.8 35.6





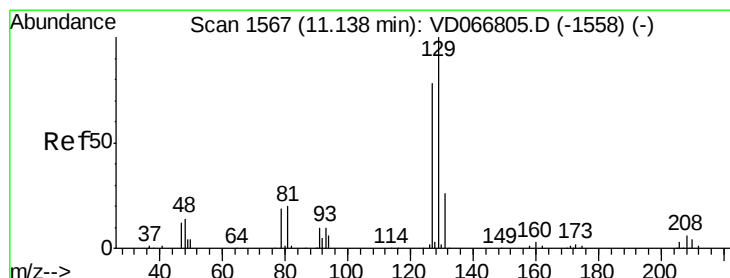
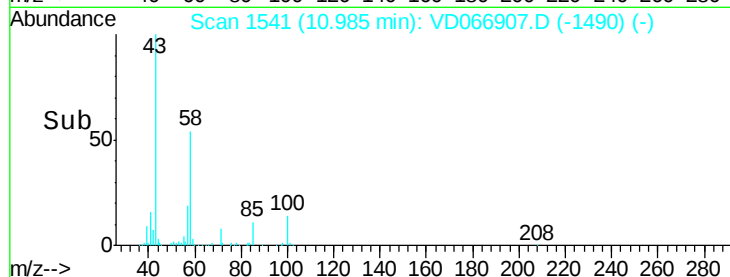
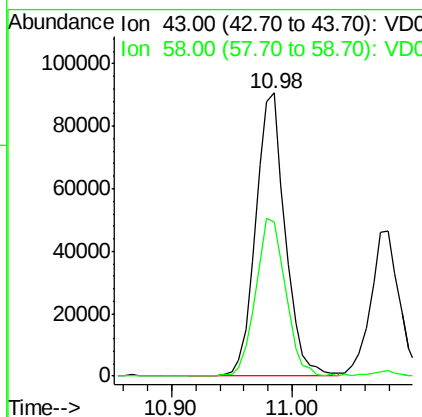
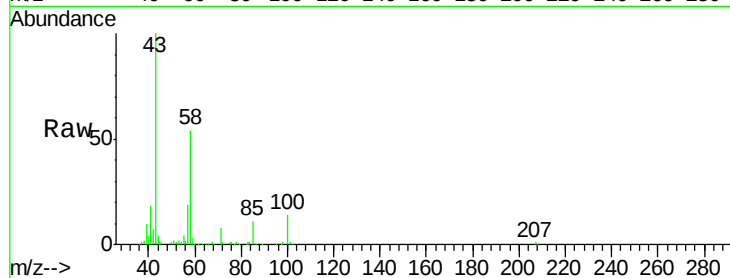
#59
2-Hexanone
Concen: 101.424 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VD066907.D
Acq: 28 Sep 2020 12:24

Instrument :
MSVOA_D
ClientSampleId :
VD0928SBSD01

Tot Ion: 43 Resp: 153695
Ion Ratio Lower Upper
43 100
58 56.6 27.0 80.8

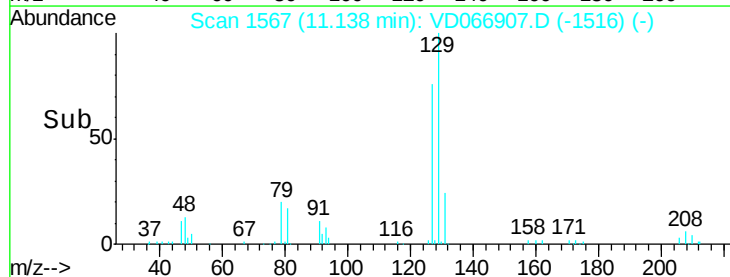
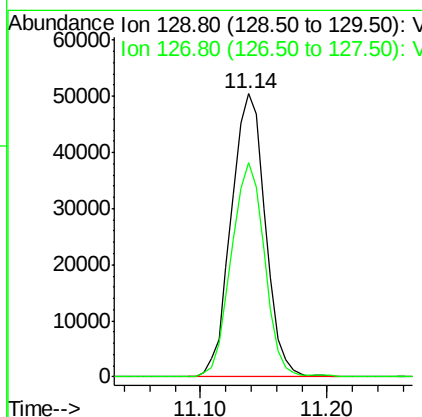
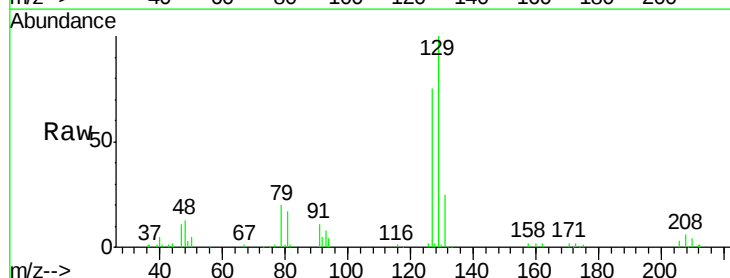
Manual Integrations
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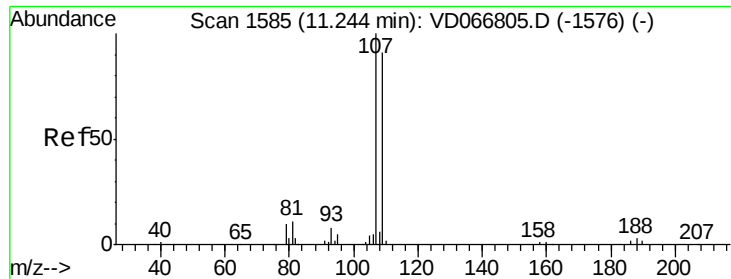
MMDadoda
9/29/2020 11:46:42 AM



#60
Dibromochloromethane
Concen: 21.547 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VD066907.D
Acq: 28 Sep 2020 12:24

Tgt Ion: 129 Resp: 93717
Ion Ratio Lower Upper
129 100
127 73.6 38.6 116.0





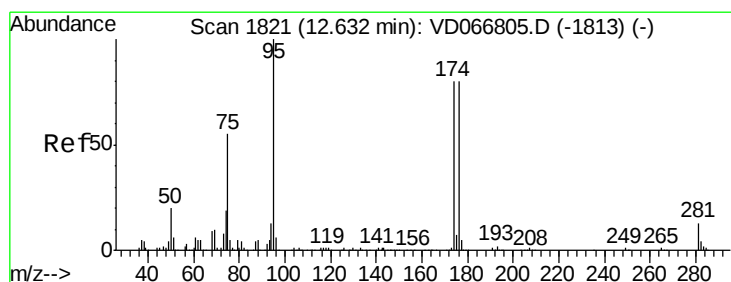
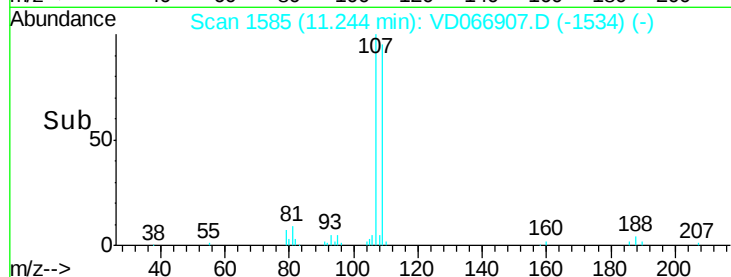
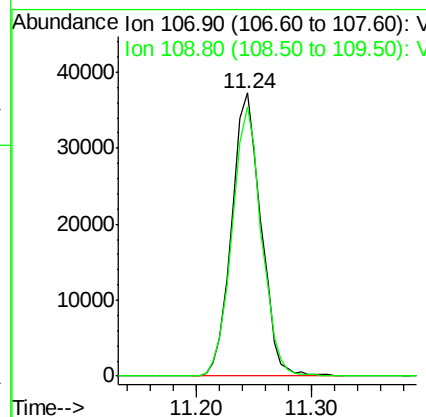
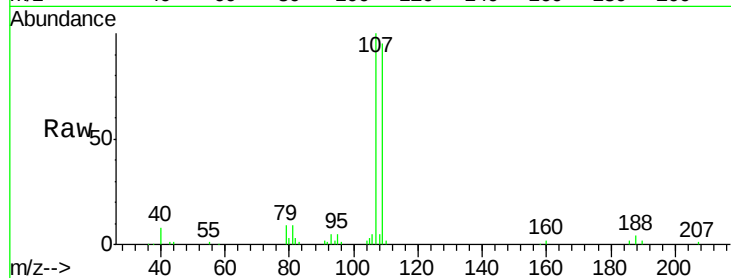
#61
 1,2-Dibromoethane
 Concen: 21.131 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. 0.00 min
 Lab File: VD066907.D
 Acq: 28 Sep 2020 12:24

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0928SBSD01

Tot Ion: 107 Resp: 65499
 Ion Ratio Lower Upper
 107 100
 109 95.8 75.0 112.4

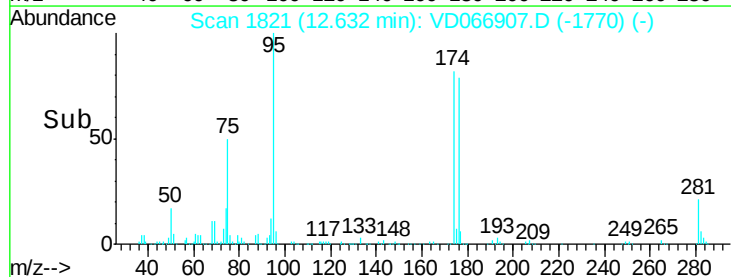
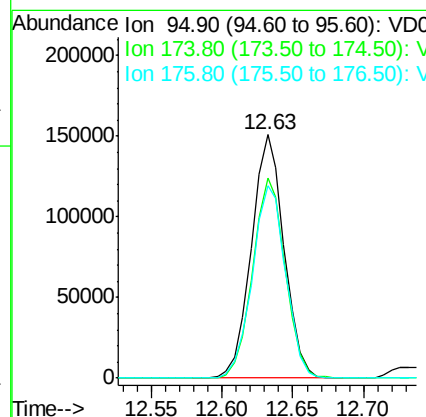
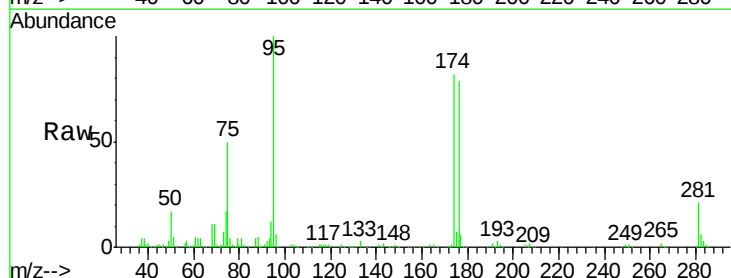
Manual Integrations
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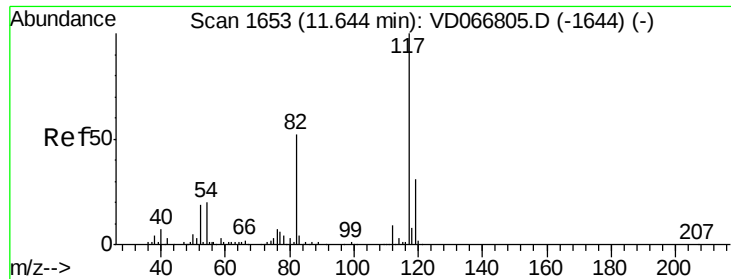
MMDadoda
 9/29/2020 11:46:42 AM



#62
 4-Bromofluorobenzene
 Concen: 51.493 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.00 min
 Lab File: VD066907.D
 Acq: 28 Sep 2020 12:24

Tgt Ion: 95 Resp: 245068
 Ion Ratio Lower Upper
 95 100
 174 81.9 0.0 159.8
 176 80.6 0.0 154.4





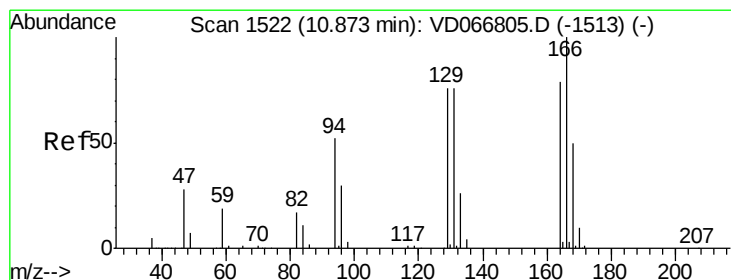
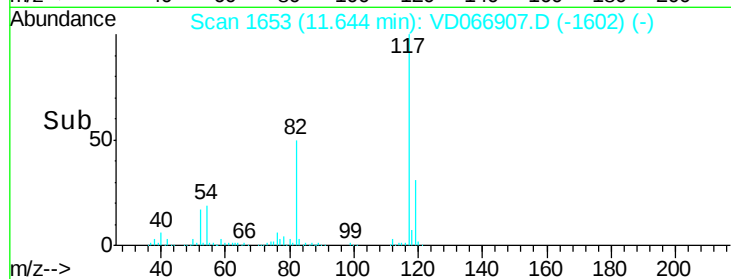
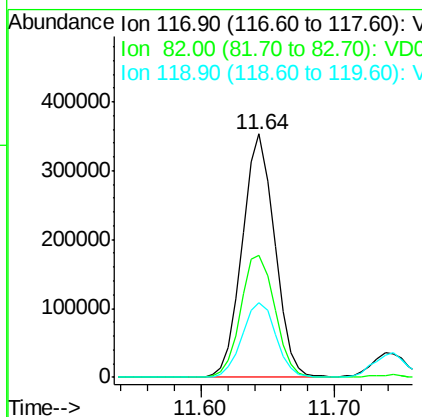
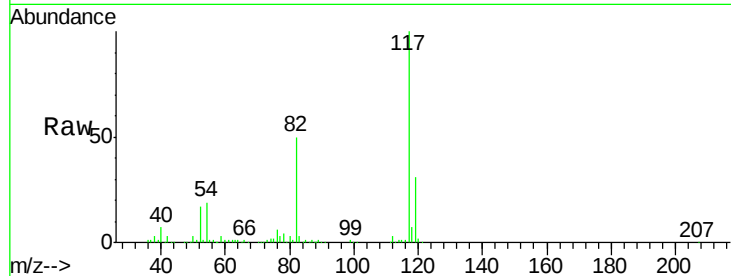
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066907.D
Acq: 28 Sep 2020 12:24

Instrument :
MSVOA_D
ClientSampleId :
VD0928SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	593211		
82	50.0		41.8	62.6
119	30.8		24.6	37.0

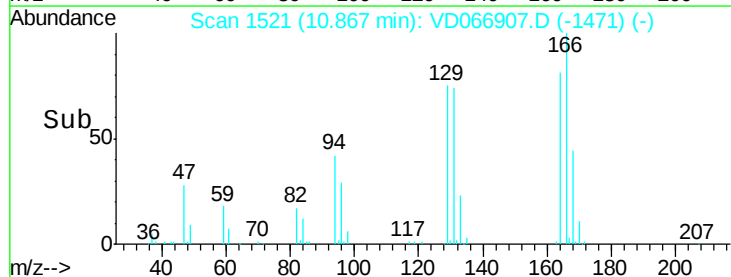
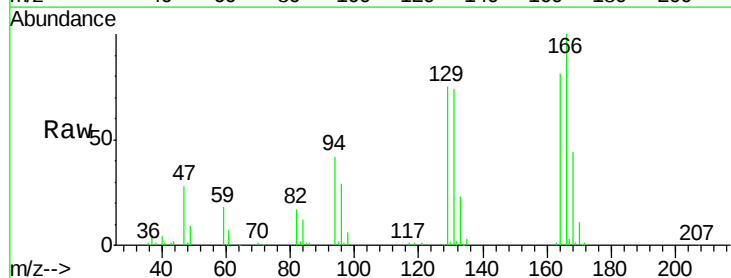
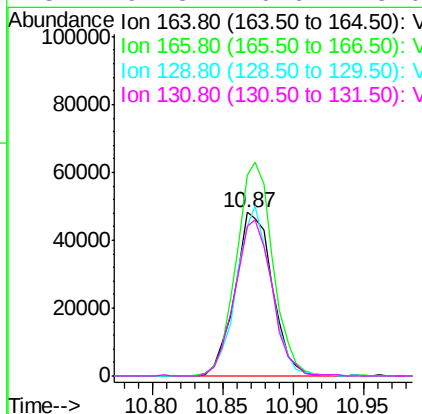
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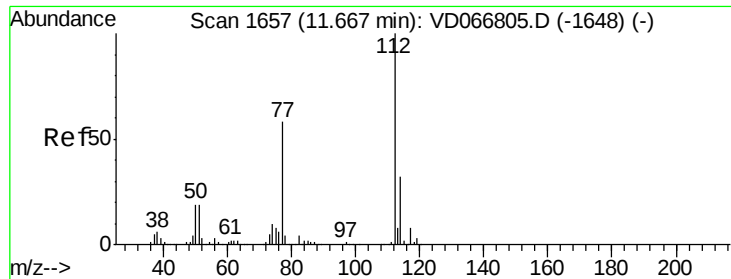
MMDadoda
9/29/2020 11:46:42 AM



#64
Tetrachloroethene
Concen: 20.949 ug/l
RT: 10.87 min Scan# 1521
Delta R.T. -0.01 min
Lab File: VD066907.D
Acq: 28 Sep 2020 12:24

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	89391		
166	123.1		101.1	151.7
129	91.9		77.0	115.4
131	91.3		76.6	115.0





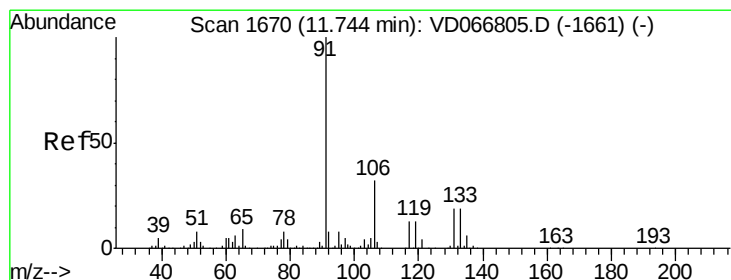
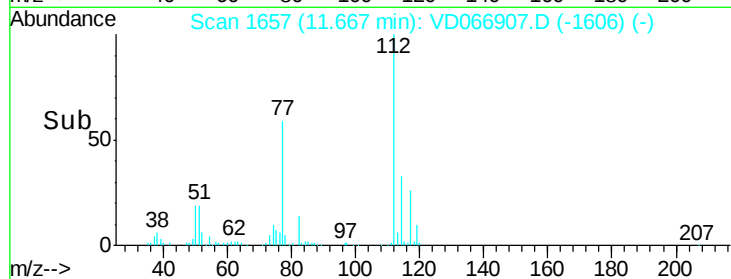
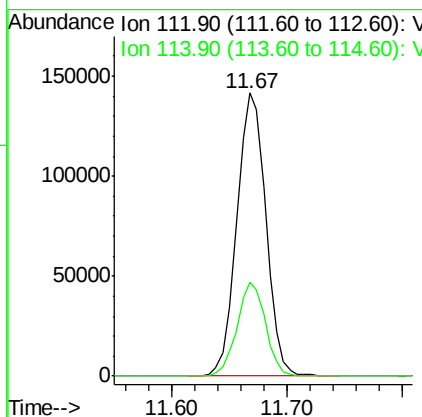
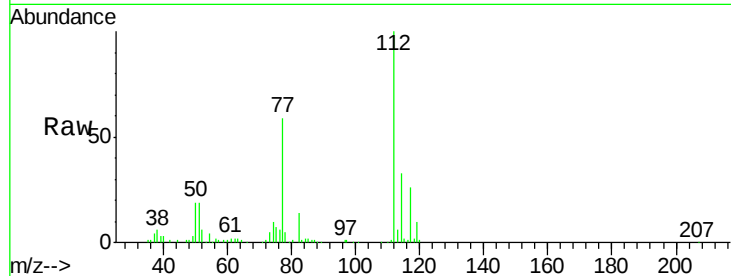
#65
Chlorobenzene
Concen: 19.942 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. 0.00 min
Lab File: VD066907.D
Acq: 28 Sep 2020 12:24

Instrument :
MSVOA_D
ClientSampleId :
VD0928SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	246240		
114	33.0	25.4	38.2	

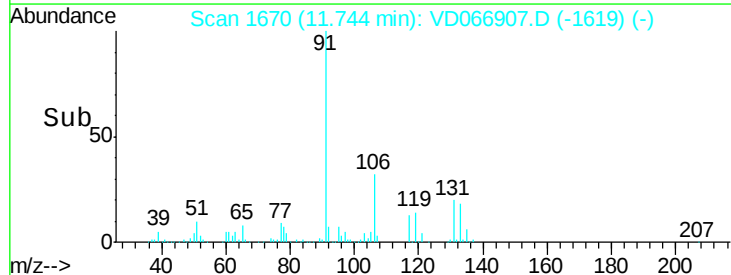
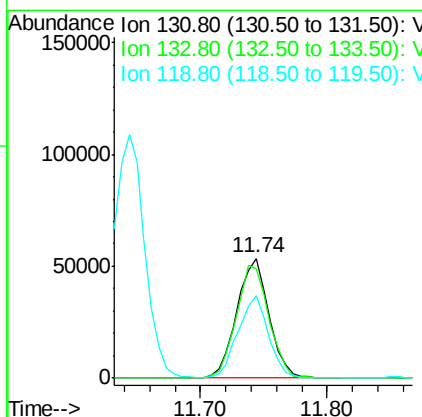
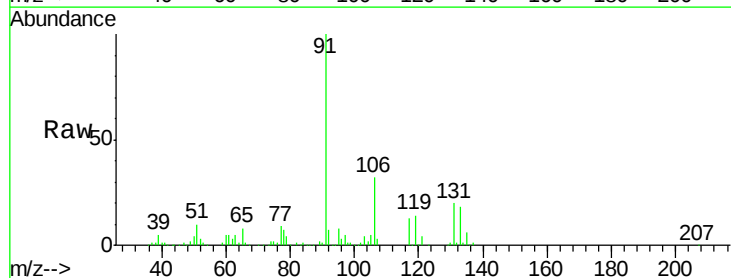
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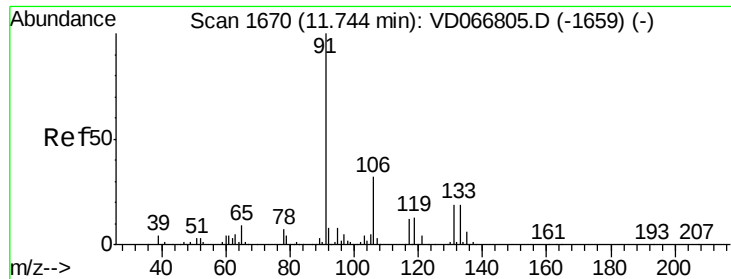
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.025 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066907.D
Acq: 28 Sep 2020 12:24

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	93585		
133	95.9	46.7	140.1	
119	65.4	32.3	96.9	





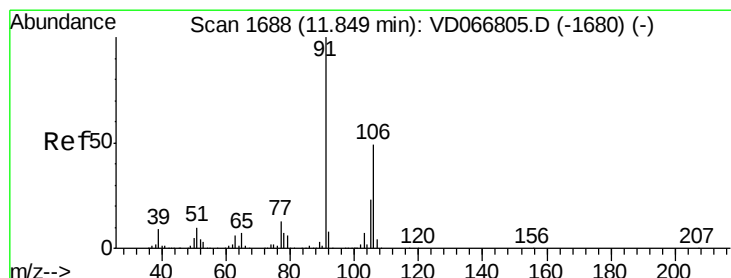
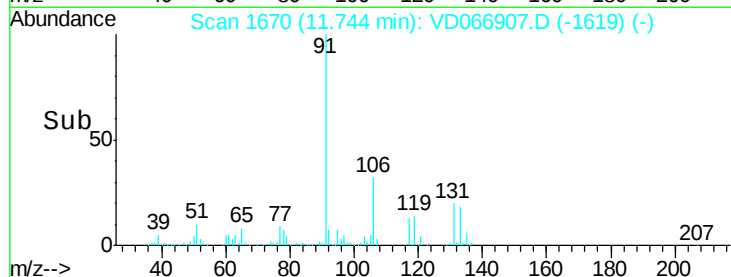
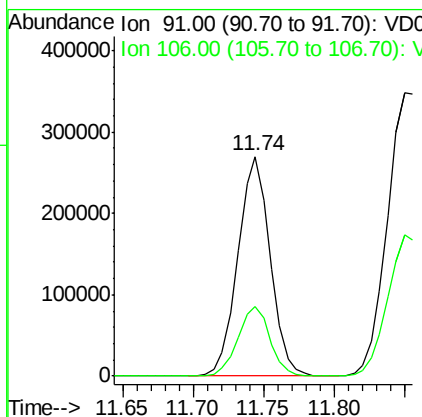
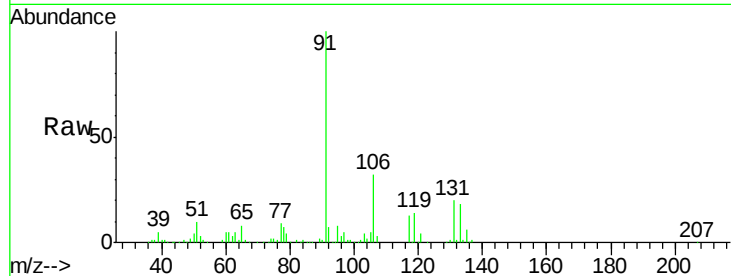
#67
Ethyl Benzene
Concen: 19.954 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066907.D
Acq: 28 Sep 2020 12:24

Instrument :
MSVOA_D
ClientSampleId :
VD0928SBS01

Tot Ion: 91 Resp: 432749
Ion Ratio Lower Upper
91 100
106 31.8 25.6 38.4

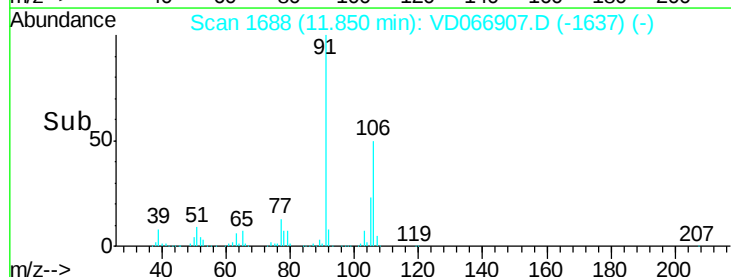
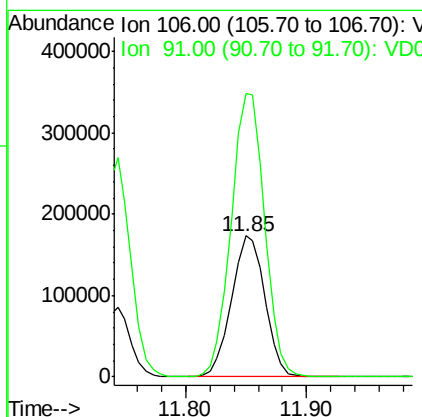
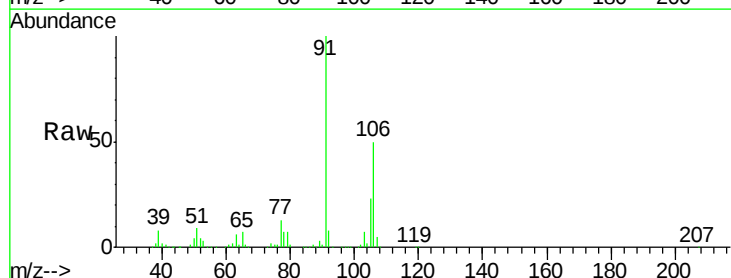
Manual Integrations
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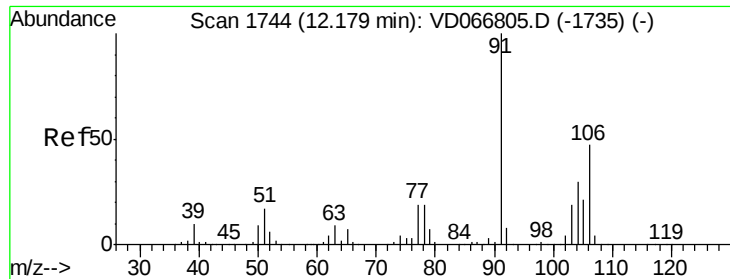
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9/29/2020 11:46:42 AM



#68
m/p-Xylenes
Concen: 40.672 ug/l
RT: 11.85 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VD066907.D
Acq: 28 Sep 2020 12:24

Tgt Ion: 106 Resp: 333954
Ion Ratio Lower Upper
106 100
91 201.5 160.7 241.1





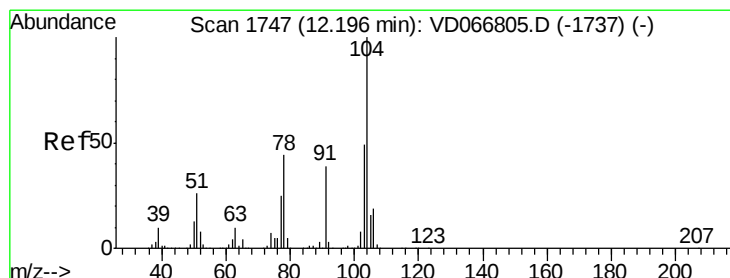
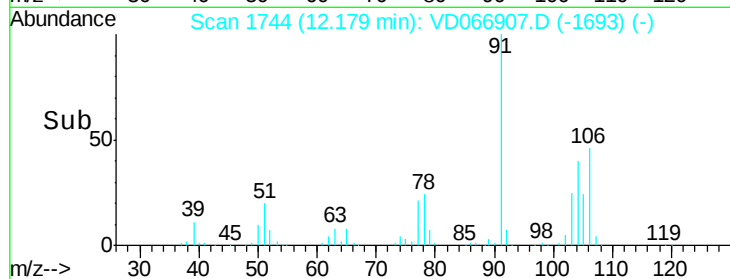
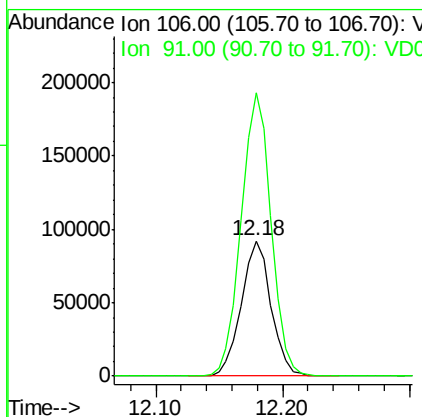
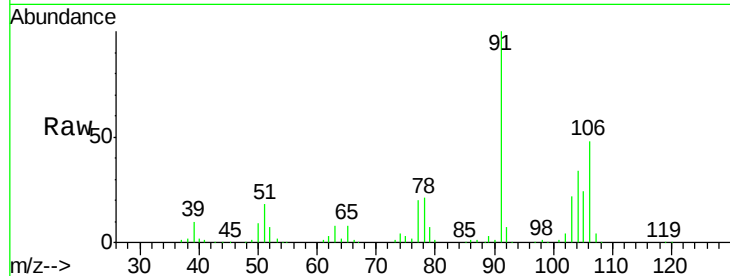
#69
o-Xylene
Concen: 20.208 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD066907.D
Acq: 28 Sep 2020 12:24

Instrument :
MSVOA_D
ClientSampleId :
VD0928SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		150039		
91	210.5	106.3	318.8		

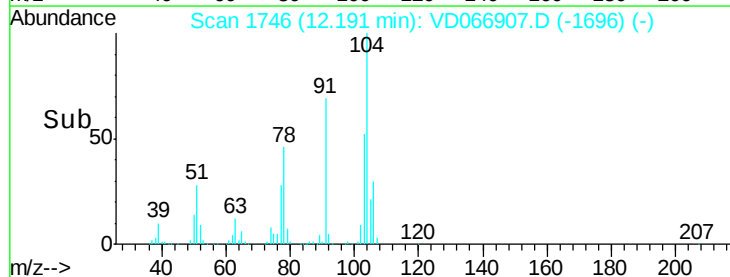
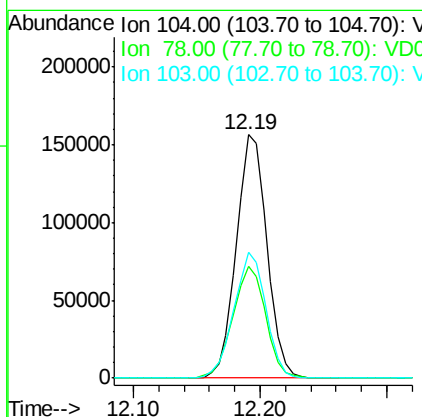
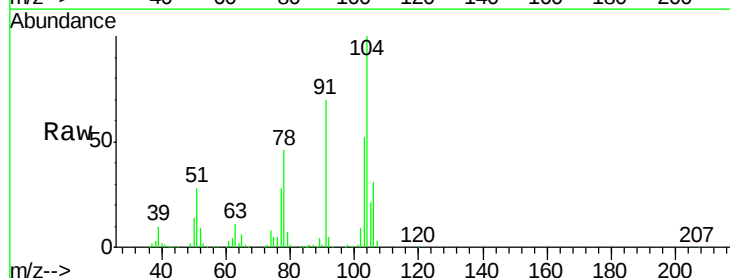
Manual Integrations
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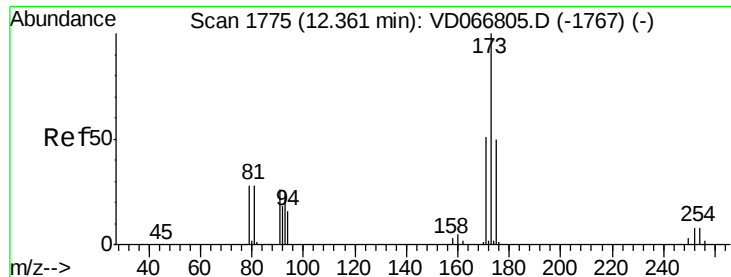
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#70
Styrene
Concen: 20.291 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. -0.01 min
Lab File: VD066907.D
Acq: 28 Sep 2020 12:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		261630		
78	49.1	38.9	58.3		
103	54.1	43.2	64.8		





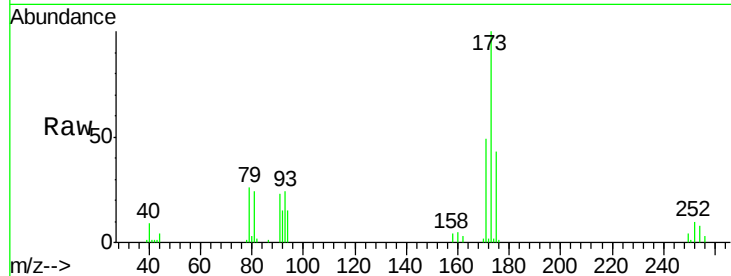
#71
Bromoform
Concen: 21.832 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. 0.00 min
Lab File: VD066907.D
Acq: 28 Sep 2020 12:24

Instrument :
MSVOA_D
ClientSampleId :
VD0928SBS01

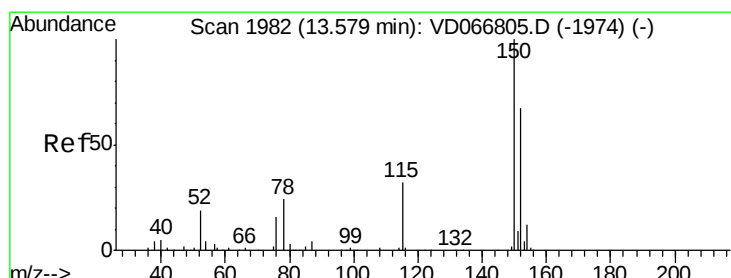
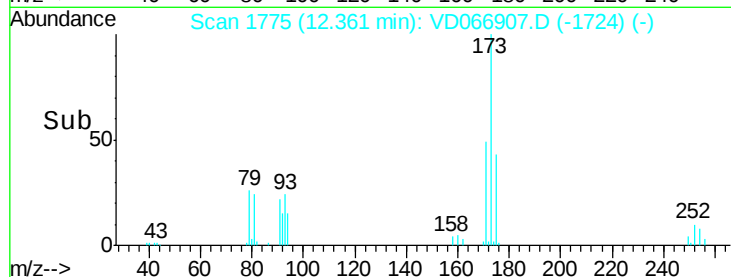
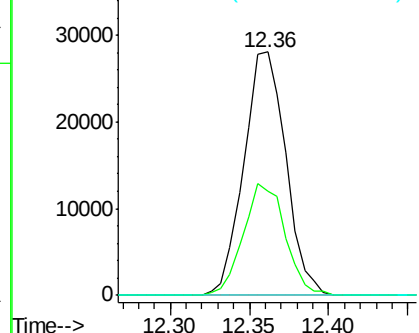
Tot Ion	Ratio	Lower	Upper
173	100		
175	45.8	24.9	74.6
254	0.0	0.1	0.1#

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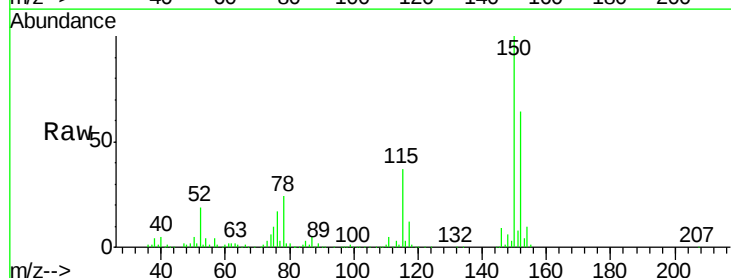


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

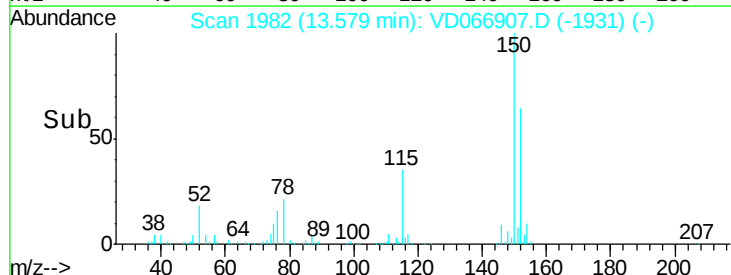
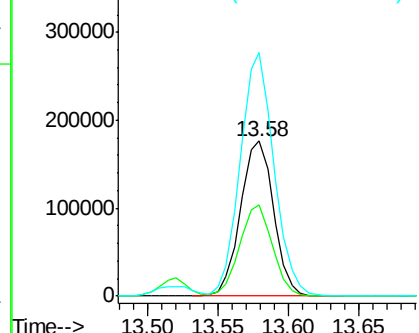


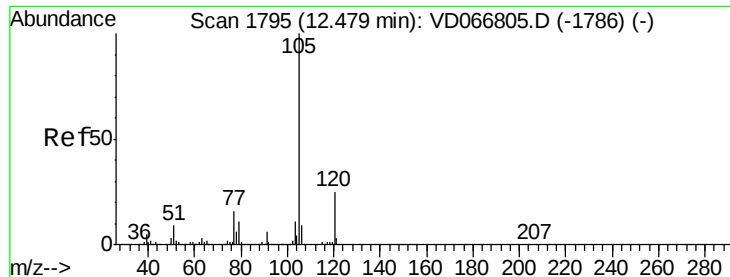
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066907.D
Acq: 28 Sep 2020 12:24

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.0	30.3	91.0
150	159.4	0.0	346.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.889 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VD066907.D

Acq: 28 Sep 2020 12:24

Instrument :

MSVOA_D

ClientSampleId :

VD0928SBS01

Tot Ion: 105 Resp: 417261

Ion Ratio Lower Upper

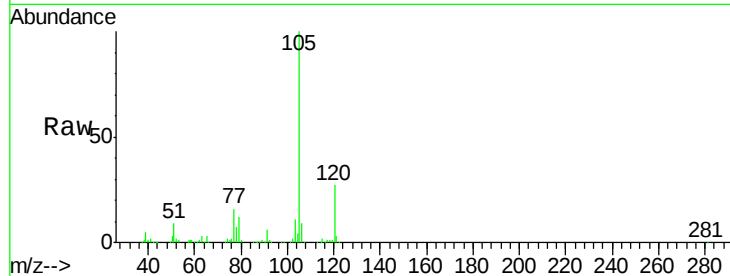
105 100

120 26.6 12.9 38.6

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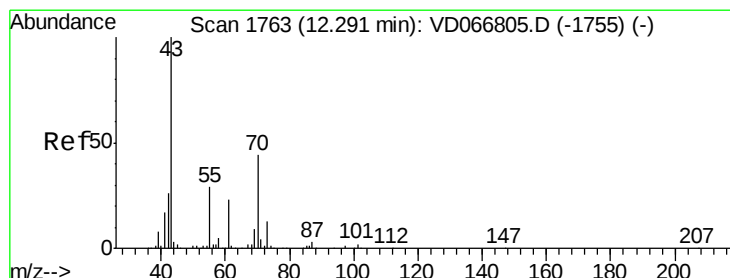
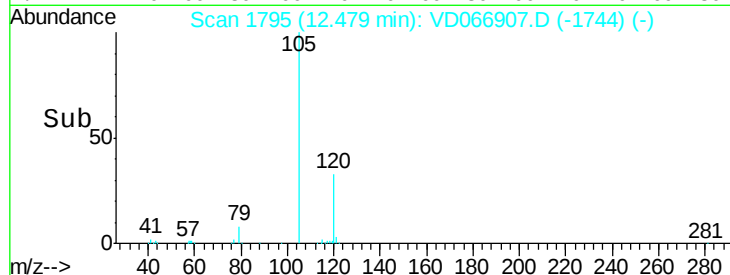
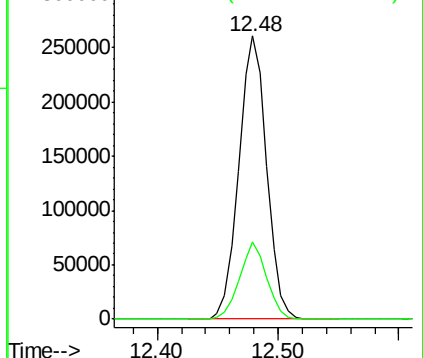
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.484 ug/l

RT: 12.28 min Scan# 1762

Delta R.T. -0.01 min

Lab File: VD066907.D

Acq: 28 Sep 2020 12:24

Tgt Ion: 43 Resp: 79824

Ion Ratio Lower Upper

43 100

70 46.3 36.1 54.1

55 28.6 21.8 32.8

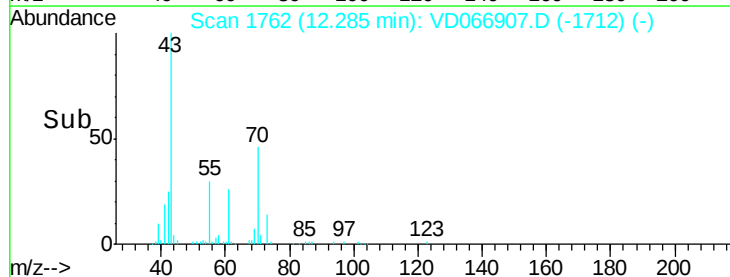
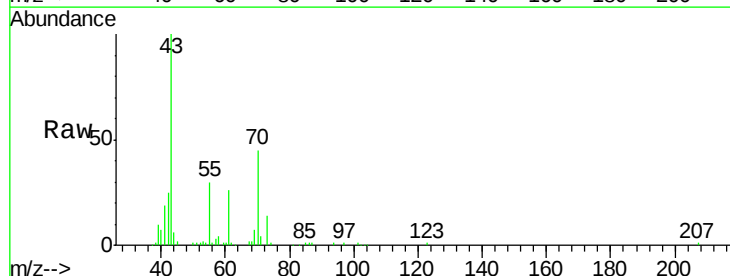
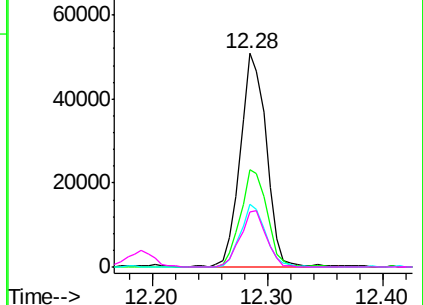
61 26.1 19.0 28.4

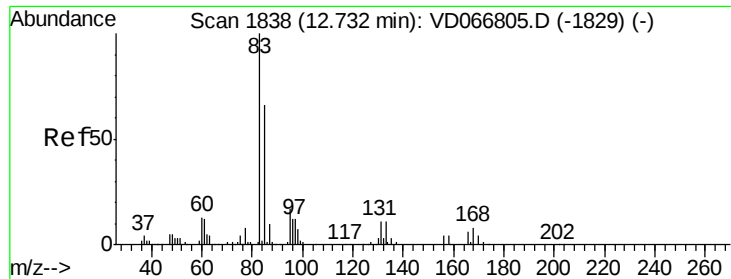
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 19.414 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VD066907.D

Acq: 28 Sep 2020 12:24

Instrument :

MSVOA_D

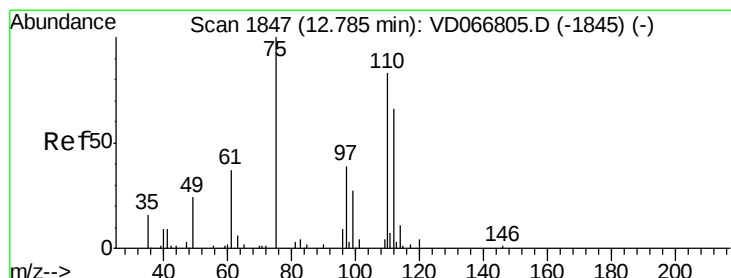
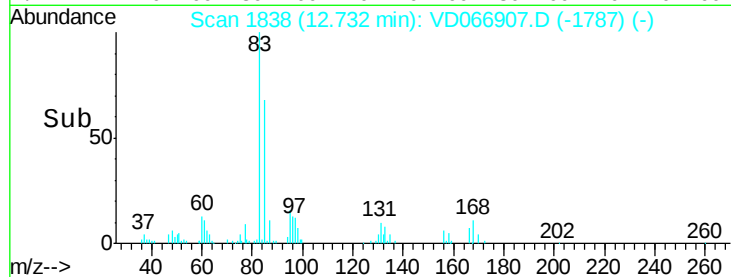
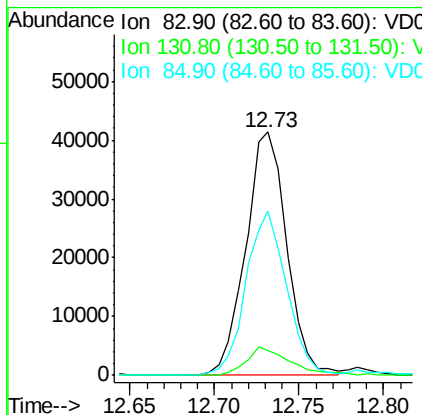
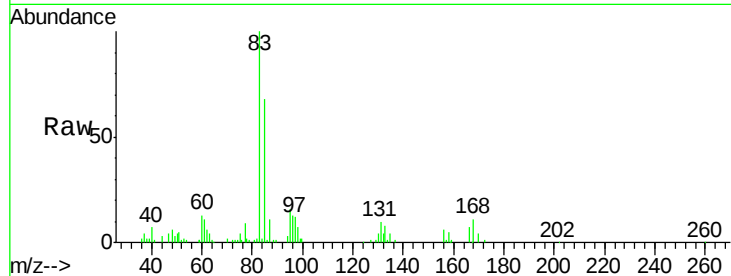
ClientSampleId :

VD0928SBS01

Tot Ion:	83	Resp:	70280
Ion Ratio	Lower	Upper	
83	100		
131	12.3	5.5	16.7
85	66.5	32.1	96.5

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#76

1,2,3-Trichloropropane

Concen: 17.978 ug/l m

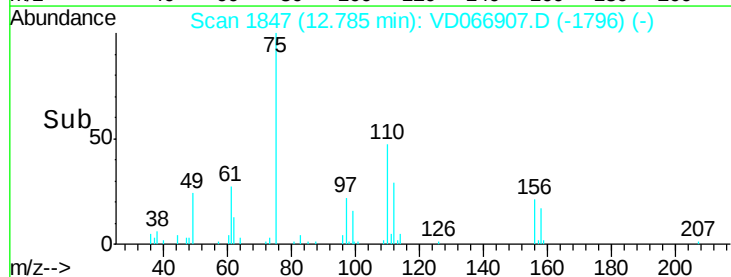
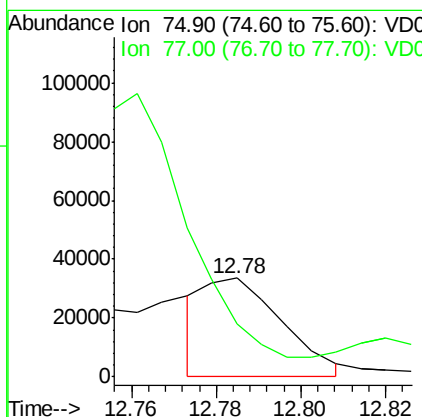
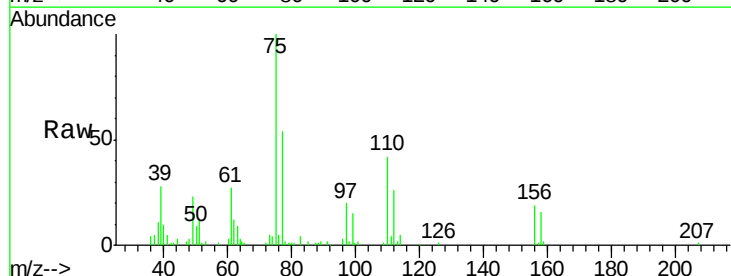
RT: 12.78 min Scan# 1847

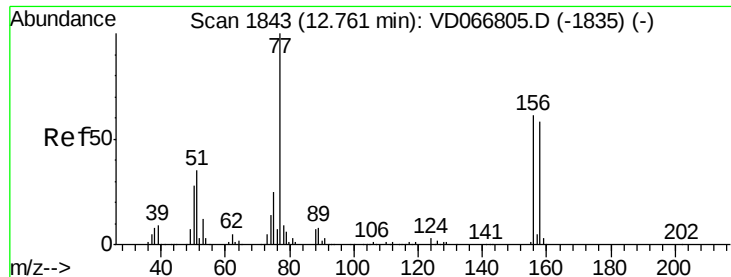
Delta R.T. 0.00 min

Lab File: VD066907.D

Acq: 28 Sep 2020 12:24

Tgt Ion:	75	Resp:	43268
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.341 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VD066907.D

Acq: 28 Sep 2020 12:24

Instrument :

MSVOA_D

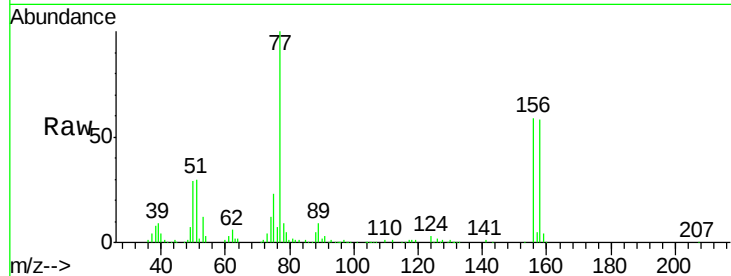
ClientSampleId :

VD0928SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	180.9	92.3	276.9
158	93.7	47.6	142.9

Manual Integrations
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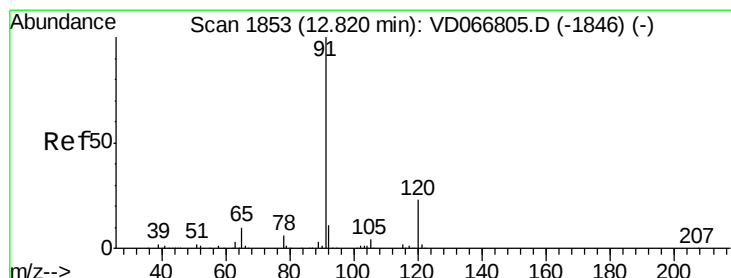
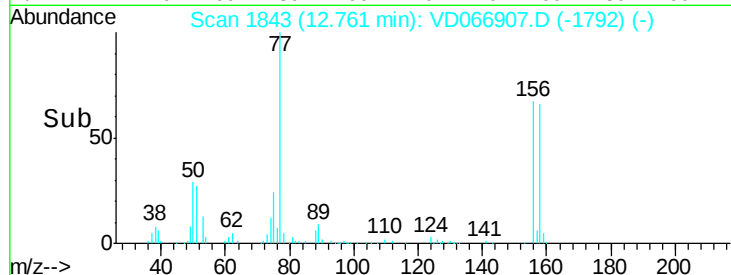
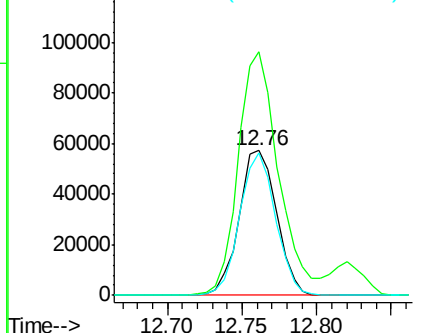
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.575 ug/l

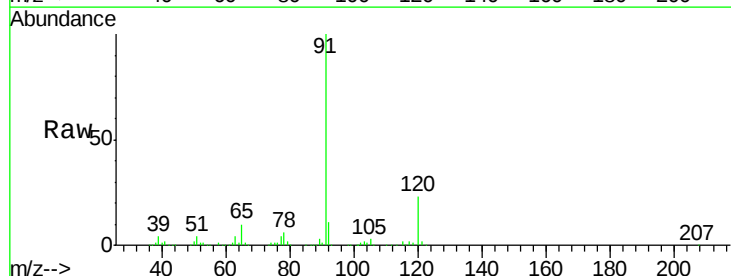
RT: 12.82 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VD066907.D

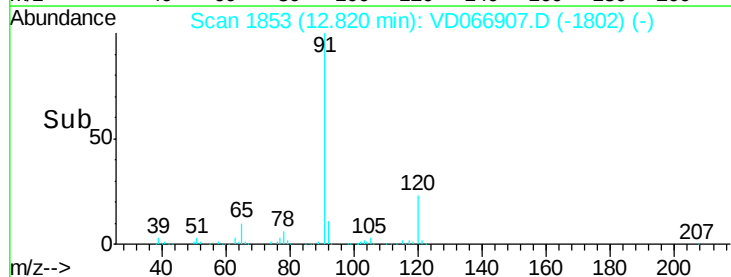
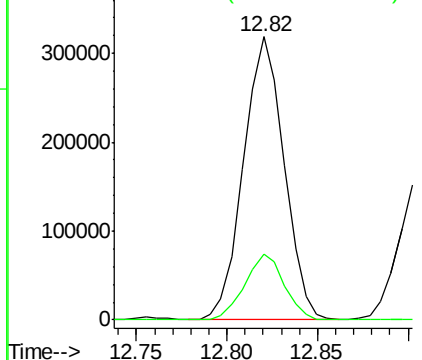
Acq: 28 Sep 2020 12:24

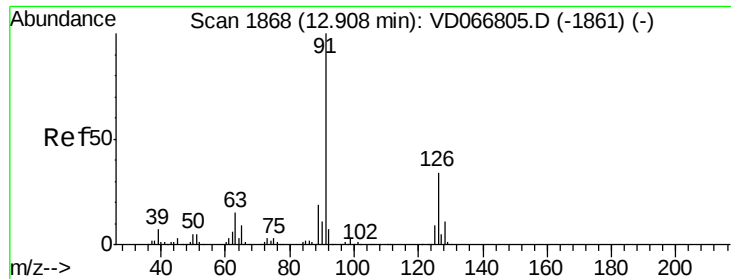
Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.8	11.4	34.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.966 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. 0.00 min

Lab File: VD066907.D

Acq: 28 Sep 2020 12:24

Instrument :

MSVOA_D

ClientSampleId :

VD0928SBS01

Tot Ion: 91 Resp: 272777

Ion Ratio Lower Upper

91 100

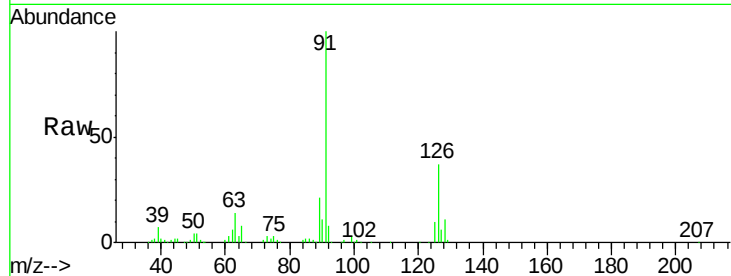
126 35.8 17.0 51.0

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Abundance Ion 91.00 (90.70 to 91.70): VD066805.D (-1861) (-)

Ion 125.90 (125.60 to 126.60): VD066805.D (-1861) (-)

300000

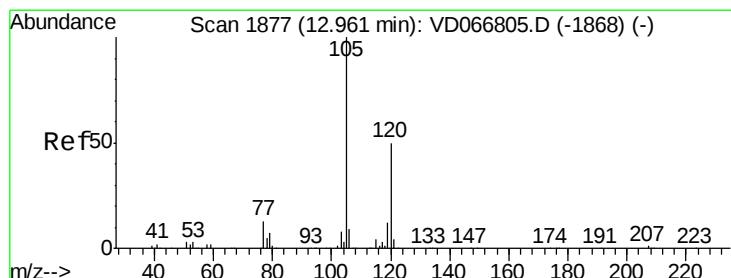
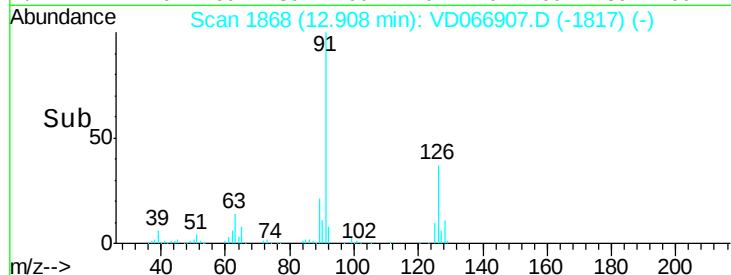
200000

100000

0

12.85 12.90 12.95

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 19.669 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VD066907.D

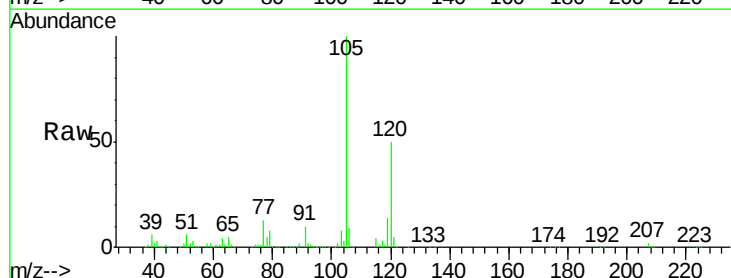
Acq: 28 Sep 2020 12:24

Tgt Ion:105 Resp: 350121

Ion Ratio Lower Upper

105 100

120 49.4 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): VD066805.D (-1868) (-)

Ion 120.00 (119.70 to 120.70): VD066805.D (-1868) (-)

250000

200000

150000

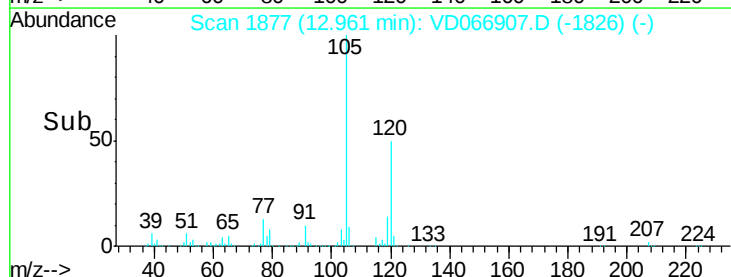
100000

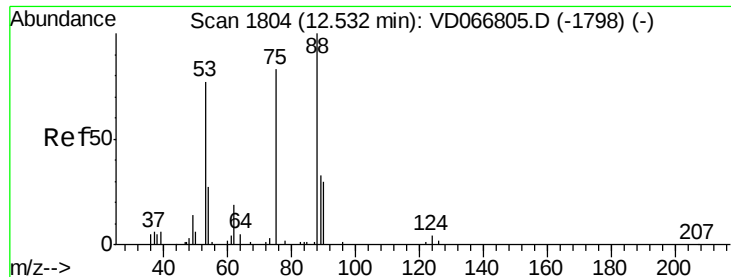
50000

0

12.90 12.95 13.00

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 22.551 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD066907.D

Acq: 28 Sep 2020 12:24

Instrument :

MSVOA_D

ClientSampleId :

VD0928SBS01

Tot Ion: 75 Resp: 21693

Ion Ratio Lower Upper

75 100

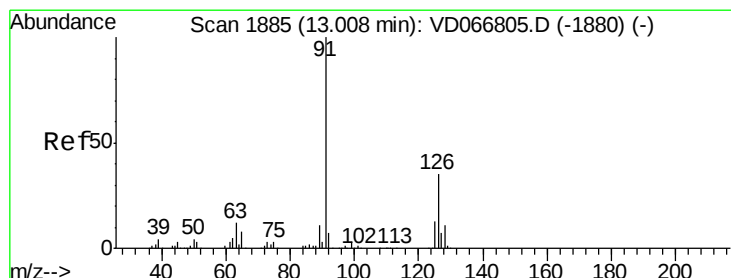
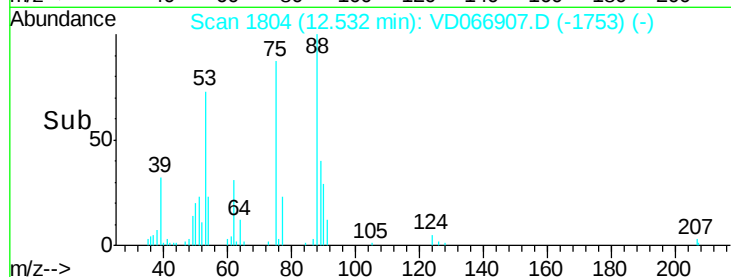
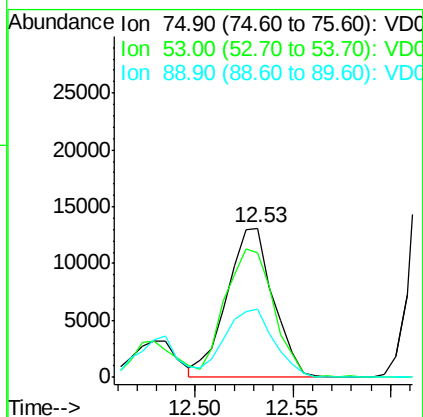
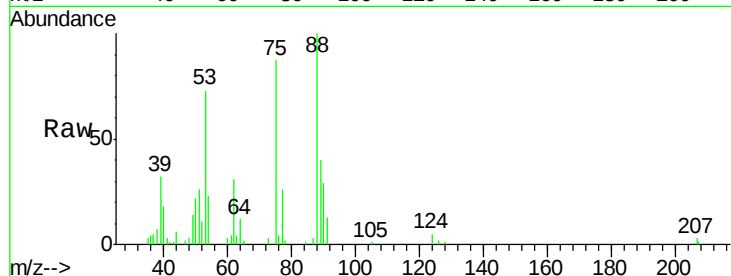
53 89.8 78.5 117.7

89 48.2 38.1 57.1

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.842 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VD066907.D

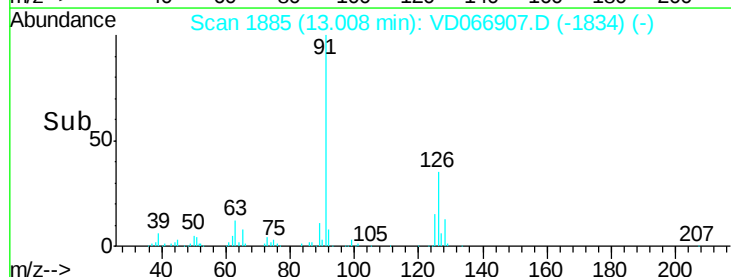
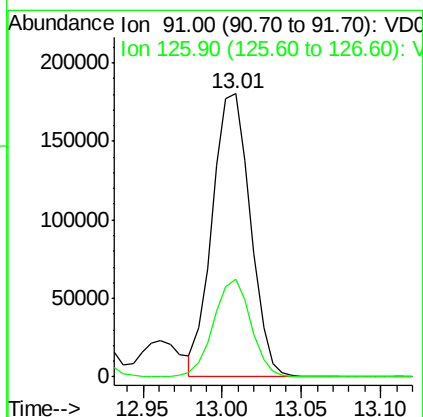
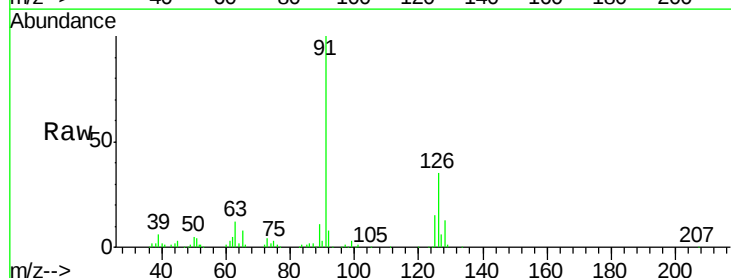
Acq: 28 Sep 2020 12:24

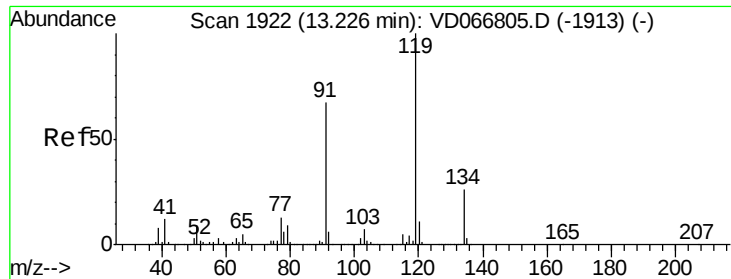
Tgt Ion: 91 Resp: 300828

Ion Ratio Lower Upper

91 100

126 33.8 17.1 51.2





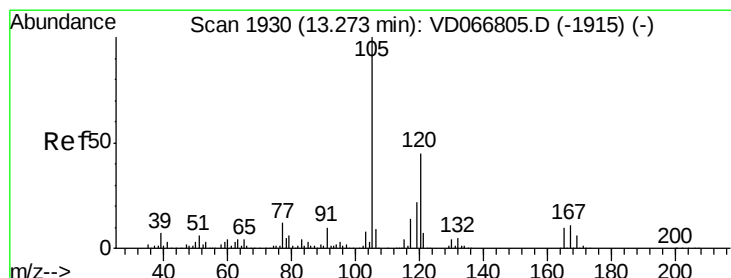
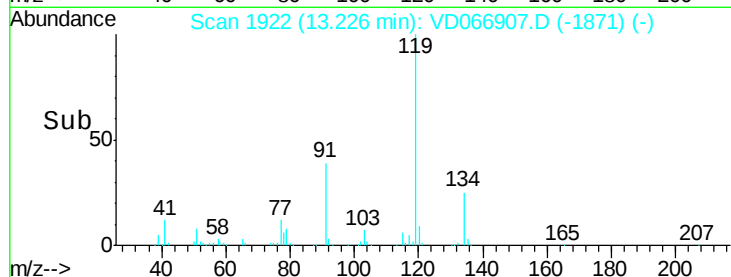
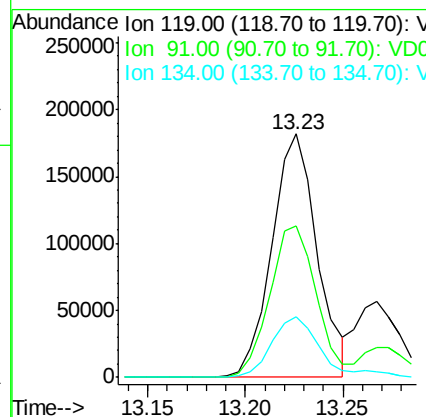
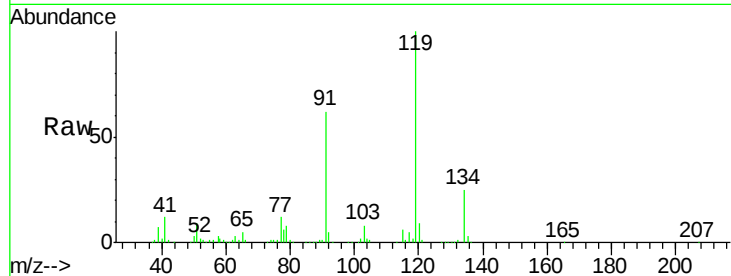
#83
tert-Butylbenzene
Concen: 19.940 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD066907.D
Acq: 28 Sep 2020 12:24

Instrument :
MSVOA_D
ClientSampleId :
VD0928SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	291668		
91	64.9		33.6	100.8
134	27.1		13.5	40.4

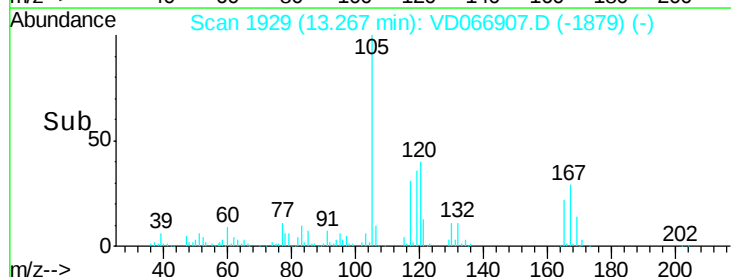
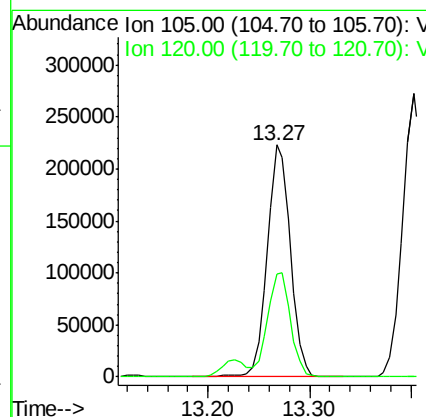
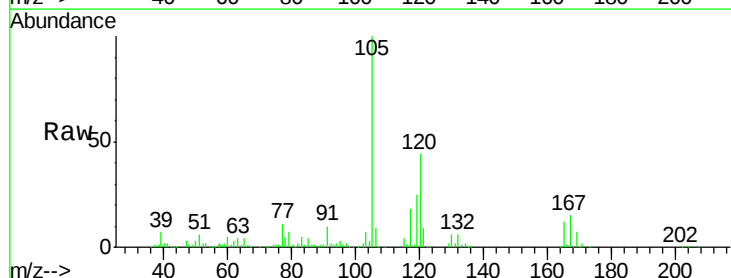
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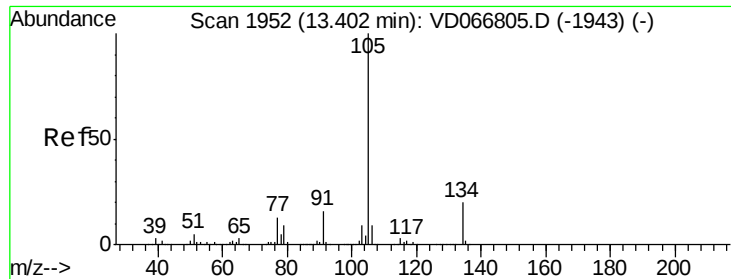
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#84
1,2,4-Trimethylbenzene
Concen: 20.206 ug/l
RT: 13.27 min Scan# 1929
Delta R.T. -0.01 min
Lab File: VD066907.D
Acq: 28 Sep 2020 12:24

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	356672		
120	44.4		22.3	66.9





#85

sec-Butylbenzene

Concen: 19.968 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. 0.00 min

Lab File: VD066907.D

Acq: 28 Sep 2020 12:24

Instrument :

MSVOA_D

ClientSampleId :

VD0928SBS01

Tot Ion:105 Resp: 420005

Ion Ratio Lower Upper

105 100

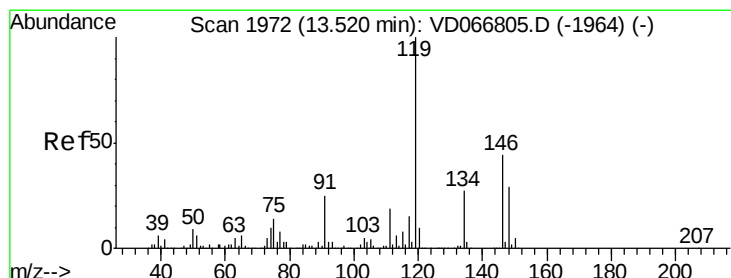
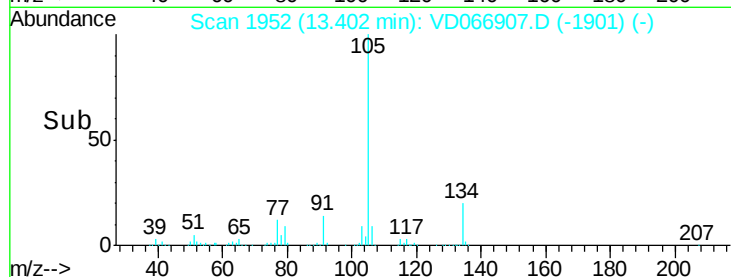
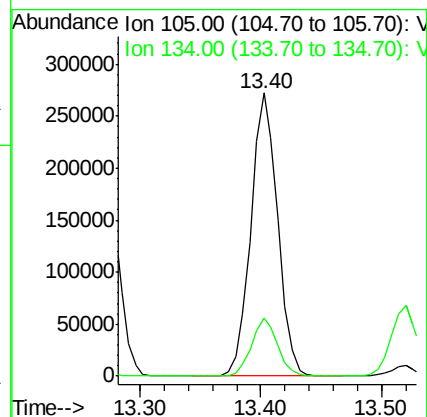
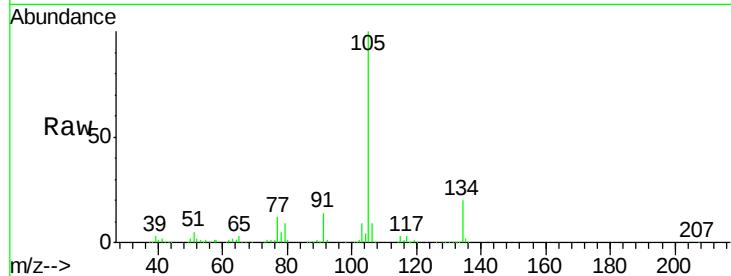
134 19.8 10.2 30.6

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#86

p-Isopropyltoluene

Concen: 20.046 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066907.D

Acq: 28 Sep 2020 12:24

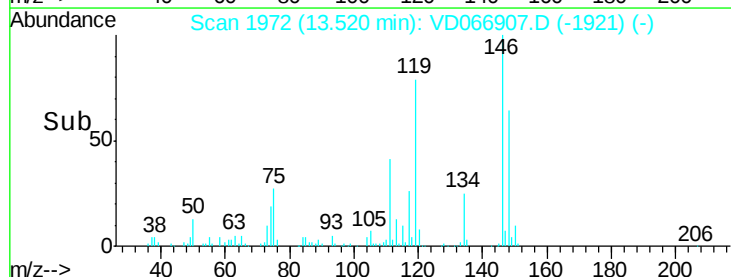
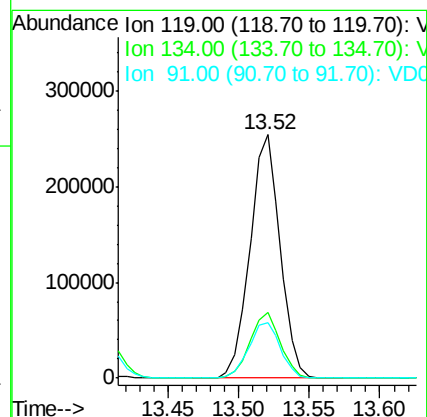
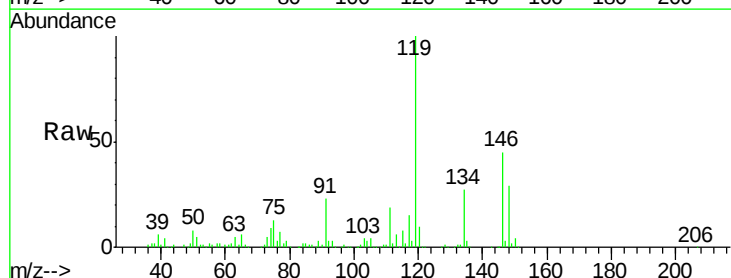
Tgt Ion:119 Resp: 380071

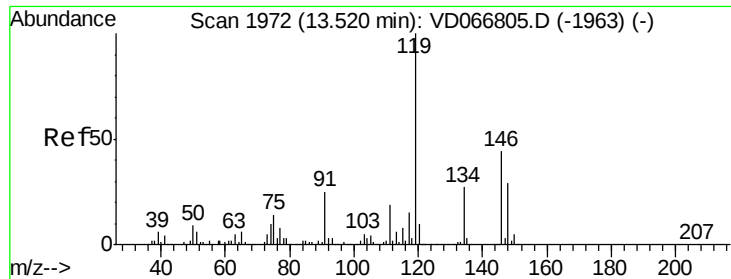
Ion Ratio Lower Upper

119 100

134 27.0 13.0 38.9

91 24.0 12.0 36.1





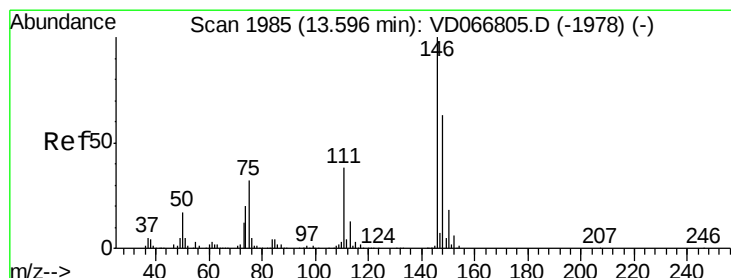
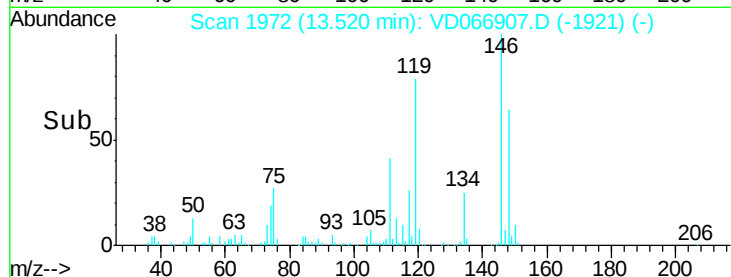
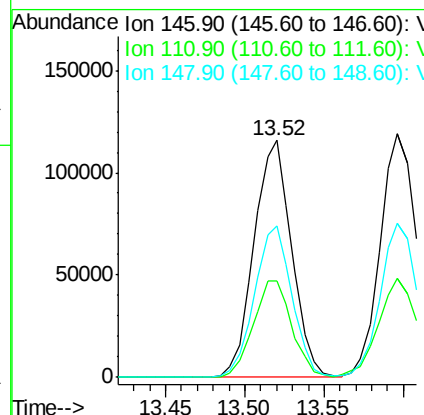
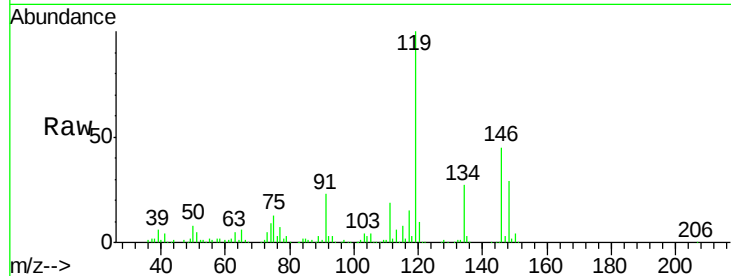
#87
 1,3-Dichlorobenzene
 Concen: 19.738 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD066907.D
 Acq: 28 Sep 2020 12:24

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0928SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	191336		
111	41.7	20.3	60.9	
148	63.4	31.9	95.5	

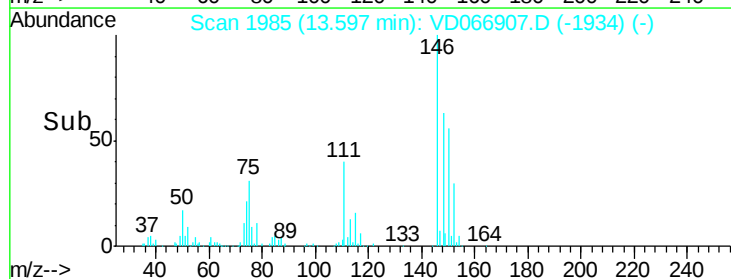
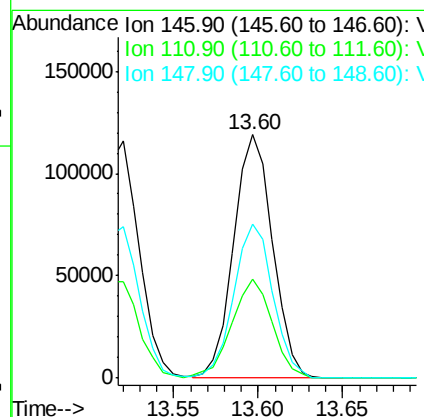
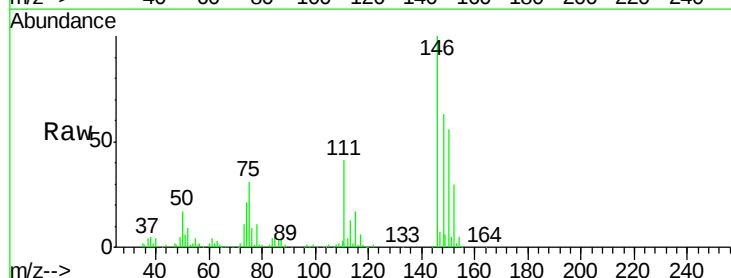
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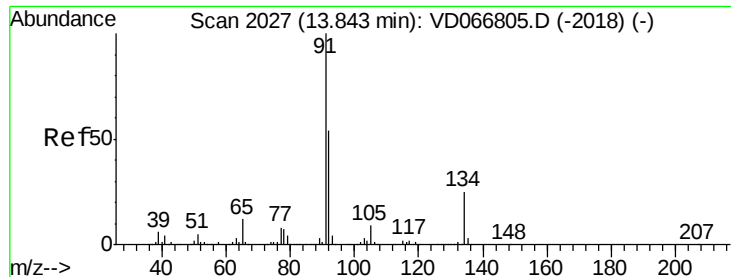
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#88
 1,4-Dichlorobenzene
 Concen: 19.853 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. 0.00 min
 Lab File: VD066907.D
 Acq: 28 Sep 2020 12:24

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	191135		
111	42.4	20.2	60.5	
148	63.4	31.6	94.7	





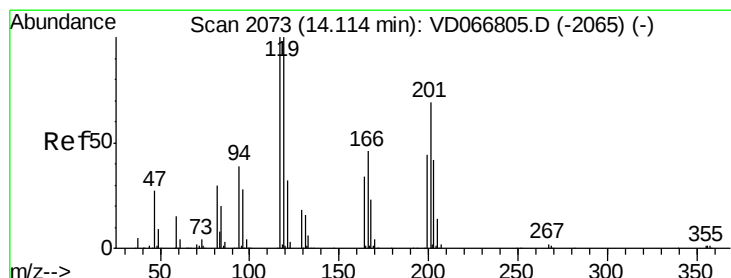
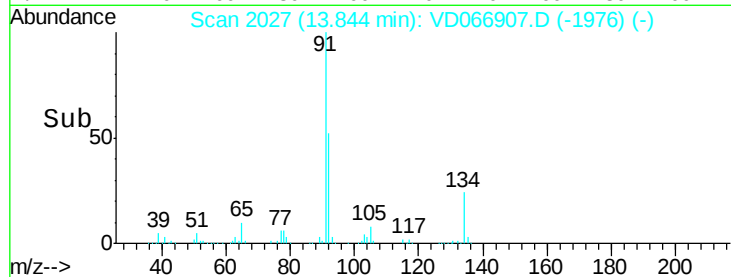
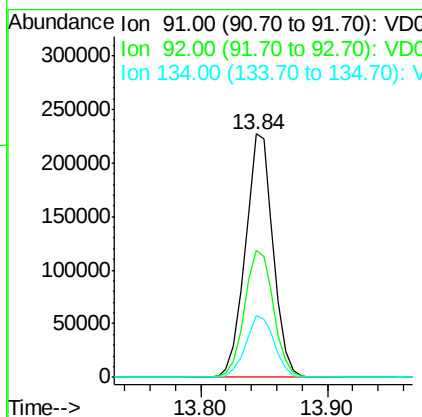
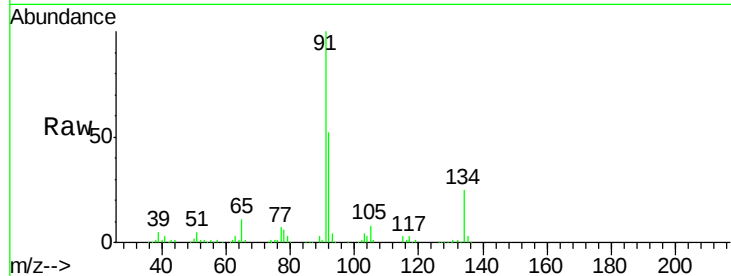
#89
n-Butylbenzene
Concen: 19.124 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. 0.00 min
Lab File: VD066907.D
Acq: 28 Sep 2020 12:24

Instrument :
MSVOA_D
ClientSampleId :
VD0928SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	54.0	26.7	80.0	
134	26.0	13.1	39.1	

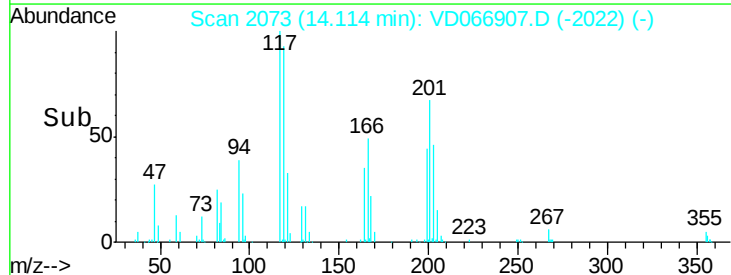
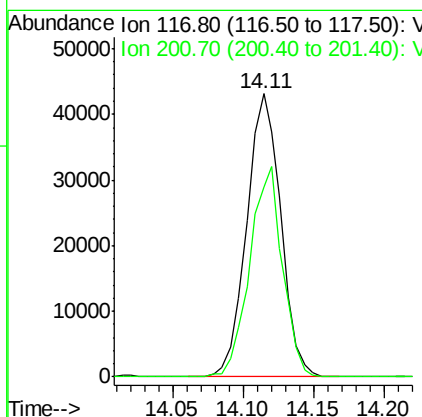
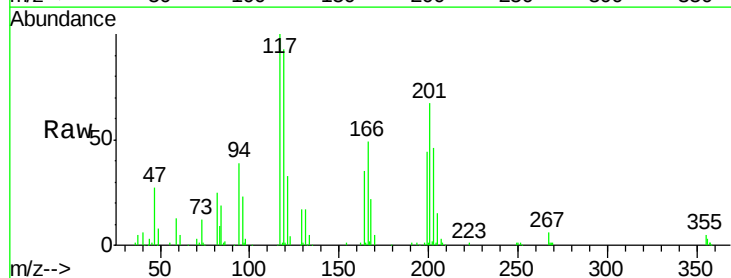
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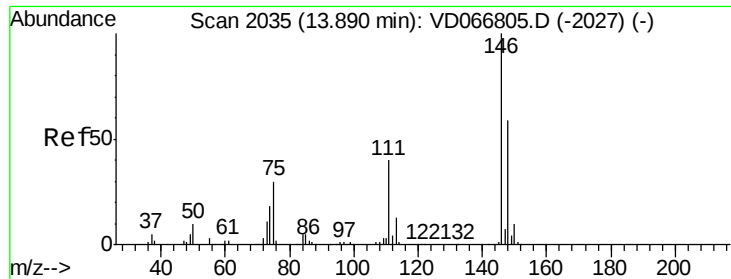
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#90
Hexachloroethane
Concen: 19.003 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD066907.D
Acq: 28 Sep 2020 12:24

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	71.3	33.7	101.0	





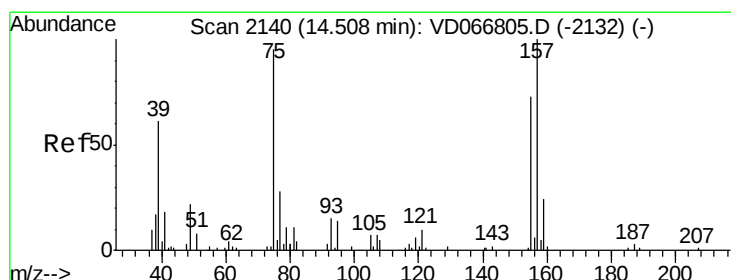
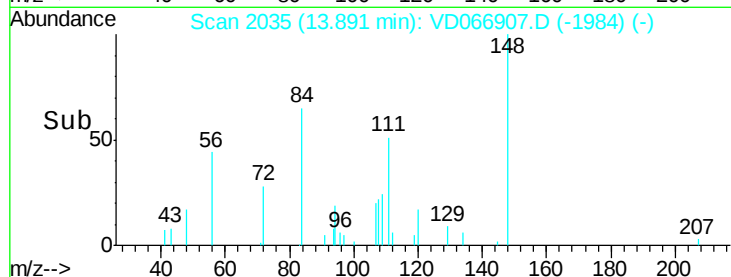
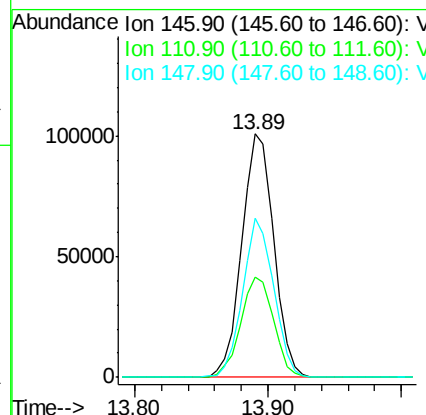
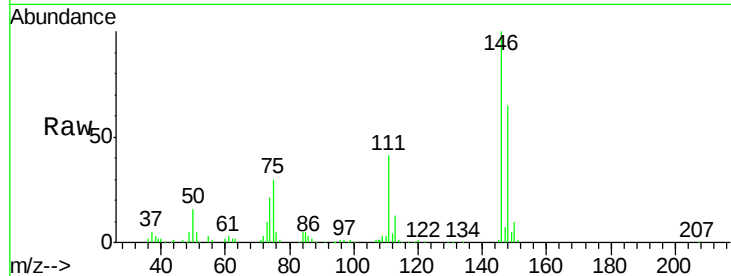
#91
 1,2-Dichlorobenzene
 Concen: 20.169 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: VD066907.D
 Acq: 28 Sep 2020 12:24

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0928SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	20.9	62.7
148	63.4	31.8	95.3

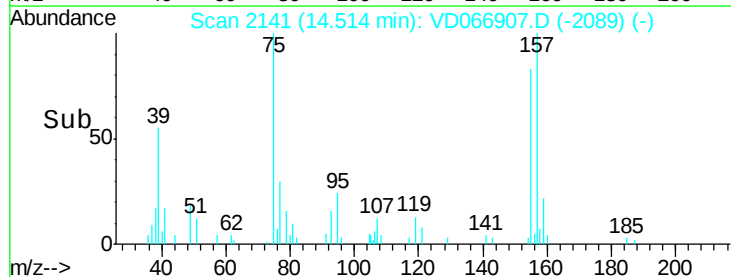
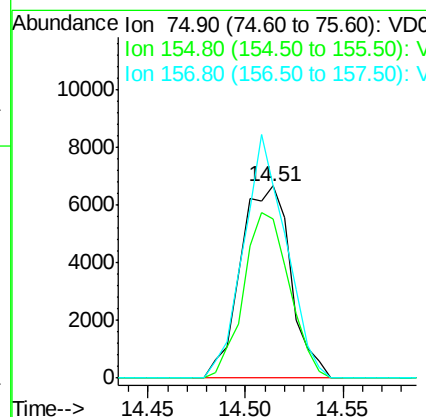
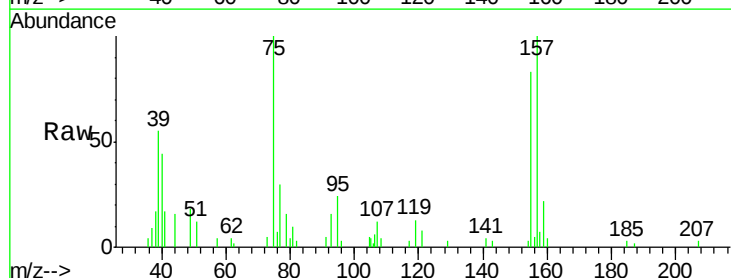
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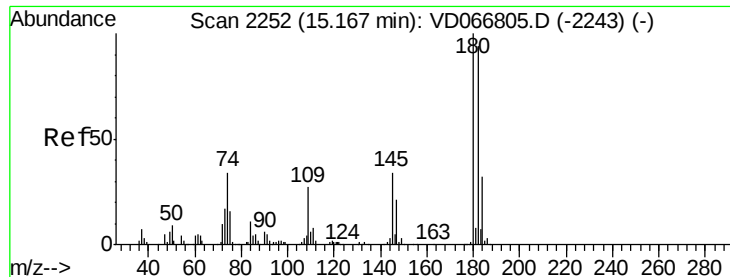
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.368 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.01 min
 Lab File: VD066907.D
 Acq: 28 Sep 2020 12:24

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.7	40.4	121.2
157	107.6	51.3	153.9





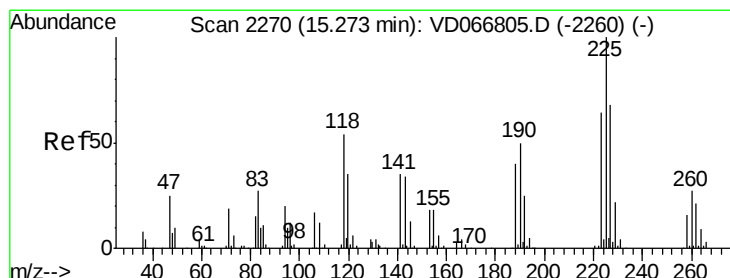
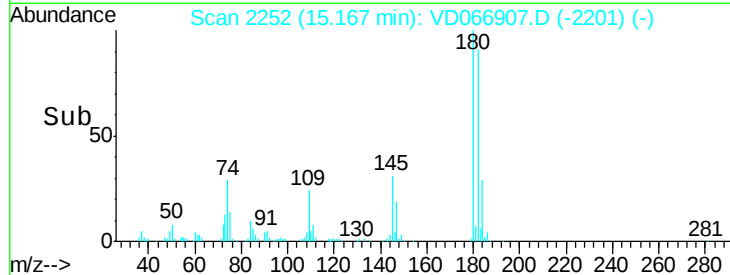
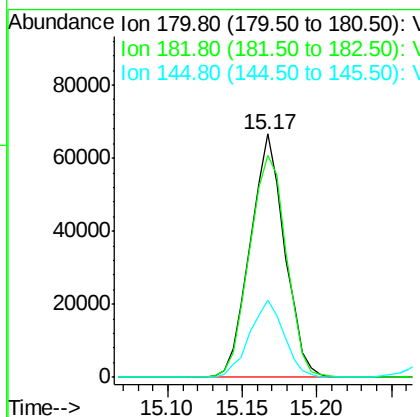
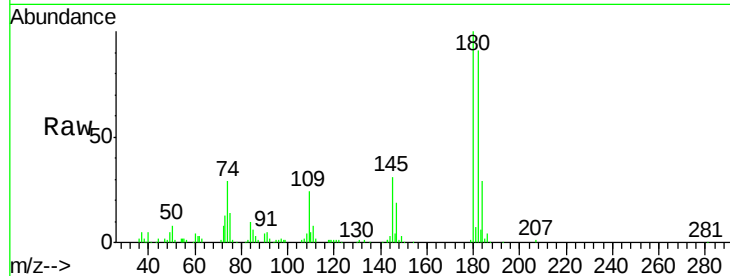
#93
 1,2,4-Trichlorobenzene
 Concen: 20.395 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD066907.D
 Acq: 28 Sep 2020 12:24

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0928SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	106477		
182	97.7	48.8	146.3	
145	31.7	16.7	50.0	

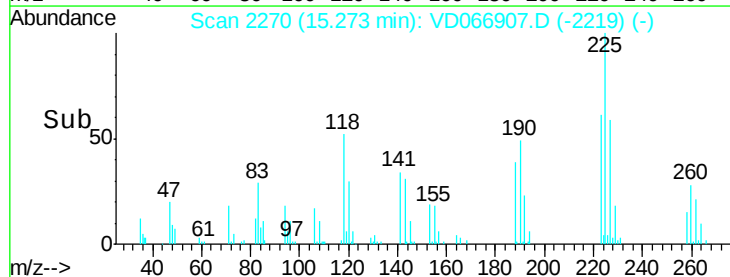
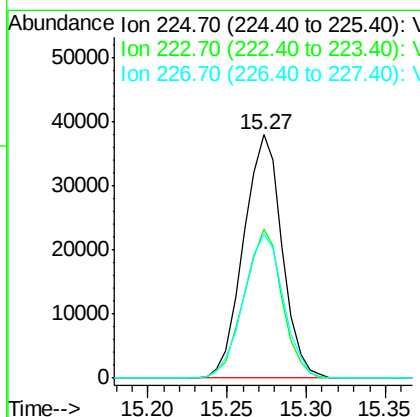
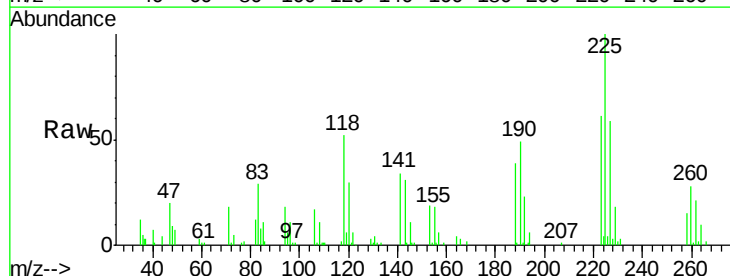
Manual Integrations
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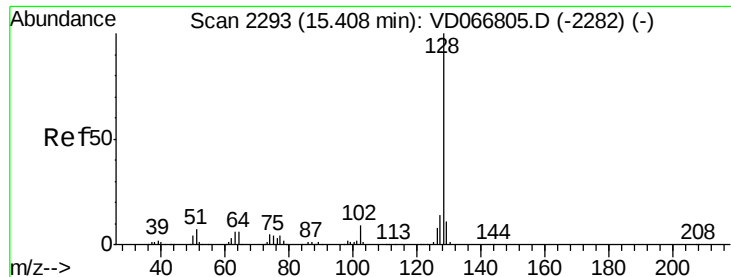
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#94
 Hexachlorobutadiene
 Concen: 20.505 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD066907.D
 Acq: 28 Sep 2020 12:24

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	64149		
223	60.2	31.1	93.3	
227	61.1	31.7	95.1	





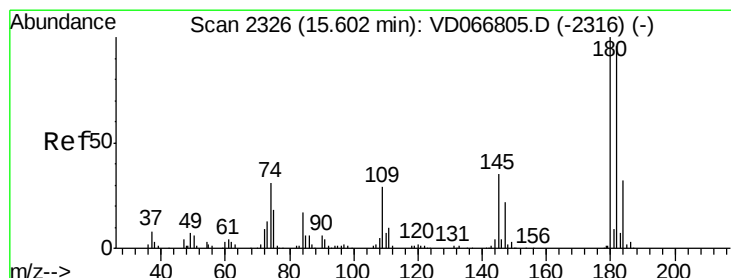
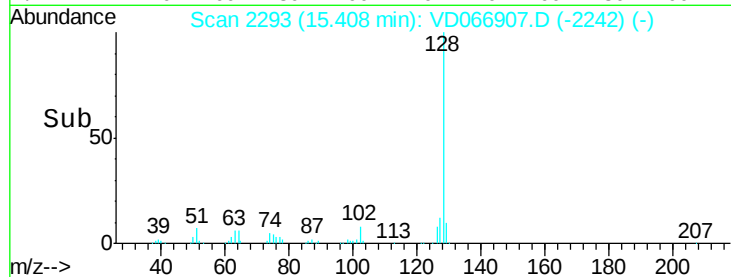
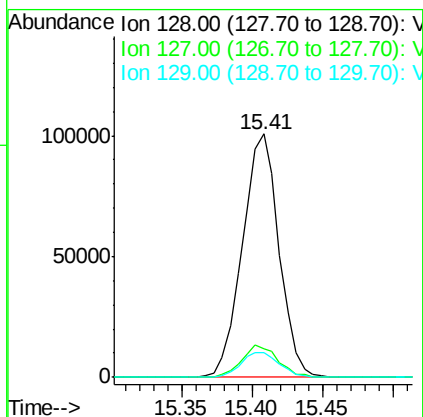
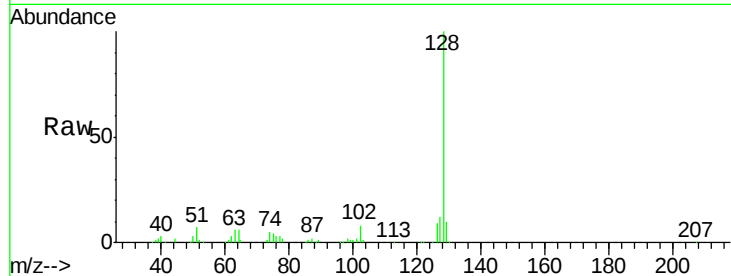
#95
Naphthalene
Concen: 20.604 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD066907.D
Acq: 28 Sep 2020 12:24

Instrument :
MSVOA_D
ClientSampleId :
VD0928SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	182627		
127	13.3	10.6	16.0	
129	10.7	8.9	13.3	

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#96
1,2,3-Trichlorobenzene
Concen: 20.594 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD066907.D
Acq: 28 Sep 2020 12:24

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	92798		
182	96.0	46.8	140.3	
145	33.2	17.0	51.0	

