

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081820\
 Data File : VD066297.D
 Acq On : 19 Aug 2020 02:13
 Operator : VA/SY
 Sample : VD0818SBS02
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0818SBS02

Manual Integrations
 APPROVED

MMDadoda
 8/19/2020 5:23:36 PM

Quant Time: Aug 19 08:22:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:49:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	220339	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	327098	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	310084	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	162748	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	115939	58.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	117.96%	
35) Dibromofluoromethane	7.91	113	112900	54.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.96%	
50) Toluene-d8	10.34	98	411254	53.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.56%	
62) 4-Bromofluorobenzene	12.63	95	148031	53.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.42%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	39562	20.380	ug/l	100
3) Chloromethane	2.20	50	29291	19.397	ug/l	97
4) Vinyl Chloride	2.34	62	29224	21.859	ug/l	96
5) Bromomethane	2.76	94	21101	23.789	ug/l	91
6) Chloroethane	2.91	64	18770	22.872	ug/l #	88
7) Trichlorofluoromethane	3.27	101	71315	20.461	ug/l	96
8) Diethyl Ether	3.70	74	20525	20.870	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	4.09	101	39667	19.177	ug/l	96
10) Methyl Iodide	4.30	142	40656	25.402	ug/l	96
11) Tert butyl alcohol	5.20	59	21917m	131.272	ug/l	
12) 1,1-Dichloroethene	4.07	96	39057	20.015	ug/l	92
13) Acrolein	3.92	56	8380	53.556	ug/l	100
14) Allyl chloride	4.71	41	55148	18.655	ug/l	92
15) Acrylonitrile	5.42	53	41336	99.742	ug/l	96
16) Acetone	4.16	43	35743	95.829	ug/l	96
17) Carbon Disulfide	4.40	76	112938	18.203	ug/l	97
18) Methyl Acetate	4.71	43	22064	23.289	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	94321	21.089	ug/l	98
20) Methylene Chloride	4.97	84	61610	26.577	ug/l	95
21) trans-1,2-Dichloroethene	5.46	96	44361	19.789	ug/l	90
22) Diisopropyl ether	6.36	45	113914	19.486	ug/l	91
23) Vinyl Acetate	6.30	43	320072	93.456	ug/l #	94
24) 1,1-Dichloroethane	6.26	63	75388	20.838	ug/l	98
25) 2-Butanone	7.21	43	55266	100.741	ug/l	92
26) 2,2-Dichloropropane	7.20	77	61595	18.996	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	50672	21.551	ug/l	97
28) Bromochloromethane	7.54	49	28981	22.807	ug/l	92
29) Tetrahydrofuran	7.56	42	33881	99.682	ug/l	96
30) Chloroform	7.70	83	81690	21.504	ug/l	97
31) Cyclohexane	7.97	56	60578	17.590	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	76483	21.473	ug/l	99
36) 1,1-Dichloropropene	8.11	75	58776	19.122	ug/l	100
37) Ethyl Acetate	7.28	43	25036	20.558	ug/l #	93
38) Carbon Tetrachloride	8.09	117	72643	21.193	ug/l	91

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 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:49:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	67642	18.205	ug/l	95
40) Benzene	8.34	78	166889	19.572	ug/l	93
41) Methacrylonitrile	7.53	41	14349	20.039	ug/l #	88
42) 1,2-Dichloroethane	8.41	62	55659	22.220	ug/l	100
43) Isopropyl Acetate	8.45	43	46604	19.422	ug/l	97
44) Trichloroethene	9.11	130	52710	20.514	ug/l	100
45) 1,2-Dichloropropane	9.38	63	40873	19.599	ug/l	94
46) Dibromomethane	9.47	93	24309	21.162	ug/l	98
47) Bromodichloromethane	9.66	83	64296	21.178	ug/l	92
48) Methyl methacrylate	9.45	41	22934	18.718	ug/l #	87
49) 1,4-Dioxane	9.46	88	5700	386.232	ug/l #	84
51) 4-Methyl-2-Pentanone	10.23	43	120539	97.797	ug/l	99
52) Toluene	10.40	92	114209	20.355	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	58298	20.234	ug/l	98
54) cis-1,3-Dichloropropene	10.08	75	67073	19.869	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	33982	20.544	ug/l	97
56) Ethyl methacrylate	10.66	69	40402	20.333	ug/l	96
57) 1,3-Dichloropropane	10.94	76	57270	20.856	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	97263	108.821	ug/l	99
59) 2-Hexanone	10.98	43	82212	95.041	ug/l	96
60) Dibromochloromethane	11.14	129	47839	20.949	ug/l	96
61) 1,2-Dibromoethane	11.24	107	32706	20.560	ug/l	96
64) Tetrachloroethene	10.87	164	47208	19.826	ug/l	93
65) Chlorobenzene	11.67	112	126179	20.045	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	50052	20.322	ug/l	98
67) Ethyl Benzene	11.74	91	219354	20.109	ug/l	97
68) m/p-Xylenes	11.85	106	167043	39.524	ug/l	95
69) o-Xylene	12.18	106	76511	19.901	ug/l	99
70) Styrene	12.19	104	137044	20.340	ug/l	98
71) Bromoform	12.36	173	29629	20.304	ug/l #	99
73) Isopropylbenzene	12.48	105	209153	19.252	ug/l	99
74) N-amyl acetate	12.29	43	42057	17.580	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	38210	20.627	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	22823m	16.816	ug/l	
77) Bromobenzene	12.76	156	56500	20.203	ug/l	97
78) n-propylbenzene	12.82	91	242943	19.238	ug/l	100
79) 2-Chlorotoluene	12.91	91	142640	19.749	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	178513	19.648	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	11123	18.117	ug/l	98
82) 4-Chlorotoluene	13.00	91	152580	20.012	ug/l	100
83) tert-Butylbenzene	13.23	119	155351	19.443	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	180470	19.848	ug/l	100
85) sec-Butylbenzene	13.40	105	208563	19.333	ug/l	100
86) p-Isopropyltoluene	13.52	119	193949	19.169	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	101936	19.394	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	104672	19.969	ug/l	98
89) n-Butylbenzene	13.84	91	169327	18.679	ug/l	99
90) Hexachloroethane	14.11	117	40130	19.887	ug/l	100
91) 1,2-Dichlorobenzene	13.89	146	91204	19.621	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	7048	22.137	ug/l	89

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ClientSampleId :
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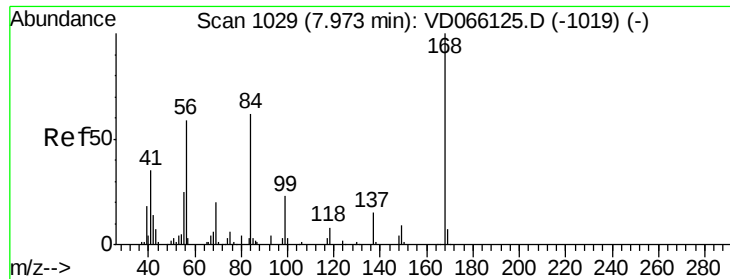
Manual Integrations
APPROVED

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8/19/2020 5:23:36 PM

Quant Time: Aug 19 08:22:04 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 05 13:49:25 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	63562	18.555	ug/l	99
94) Hexachlorobutadiene	15.27	225	37071	18.378	ug/l	99
95) Naphthalene	15.41	128	106910	19.154	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	56584	18.712	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. 0.00 min

Lab File: VD066297.D

Acq: 19 Aug 2020 02:13

Instrument :

MSVOA_D

ClientSampleId :

VD0818SBSD02

Tot Ion:168 Resp: 220339

Ion Ratio Lower Upper

168 100

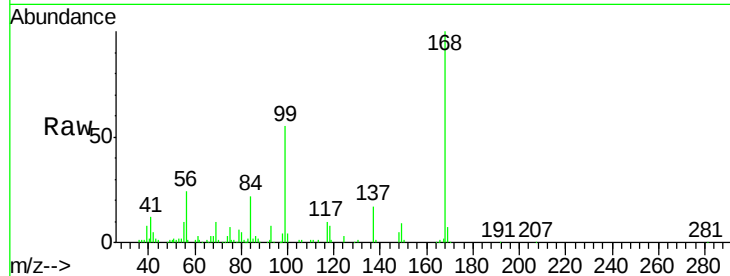
99 54.1 42.2 63.4

Manual Integrations

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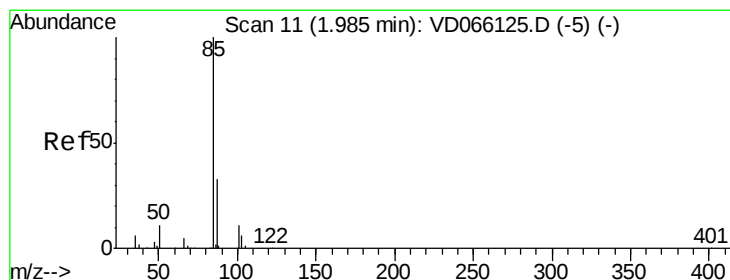
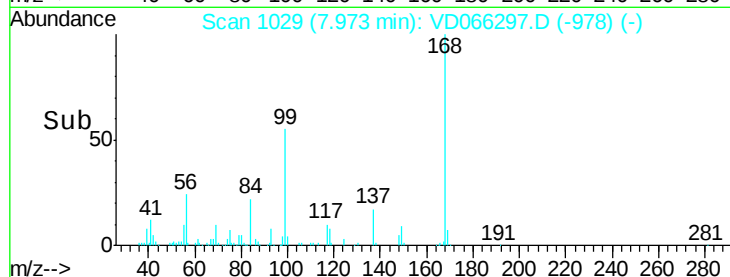
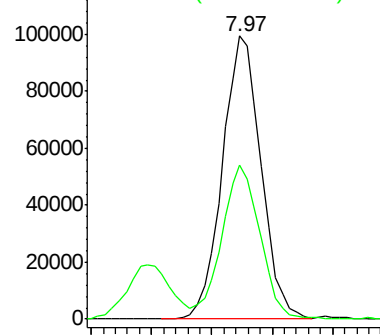
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 20.380 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066297.D

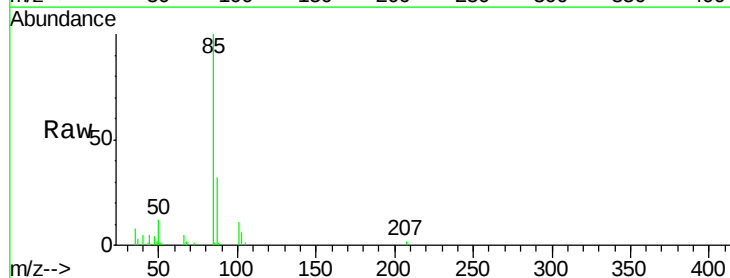
Acq: 19 Aug 2020 02:13

Tgt Ion: 85 Resp: 39562

Ion Ratio Lower Upper

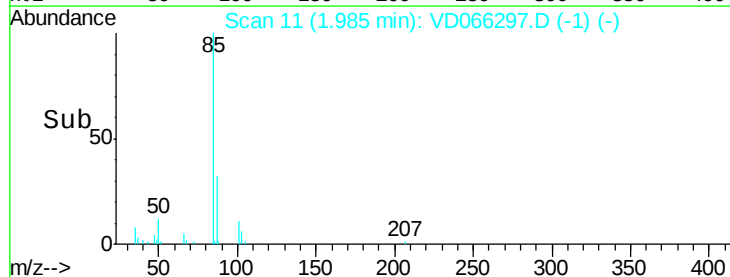
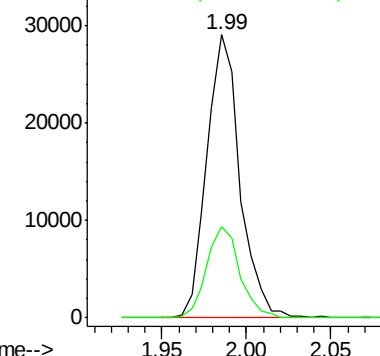
85 100

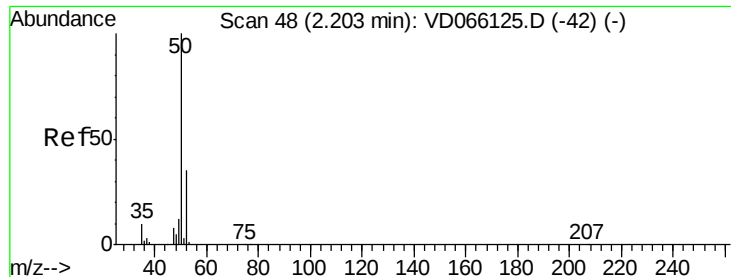
87 32.4 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 19.397 ug/l

RT: 2.20 min Scan# 48

Delta R.T. 0.00 min

Lab File: VD066297.D

Acq: 19 Aug 2020 02:13

Instrument :

MSVOA_D

ClientSampleId :

VD0818SBSD02

Tot Ion: 50 Resp: 29291

Ion Ratio Lower Upper

50 100

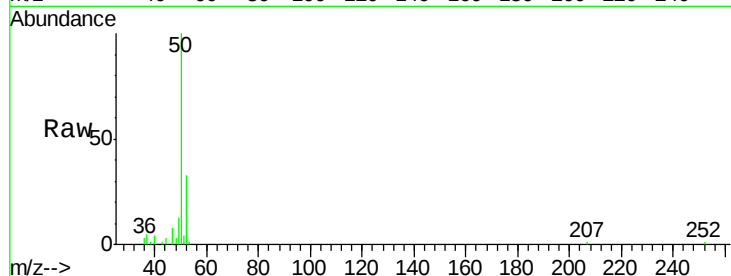
52 33.2 27.9 41.9

Manual Integrations

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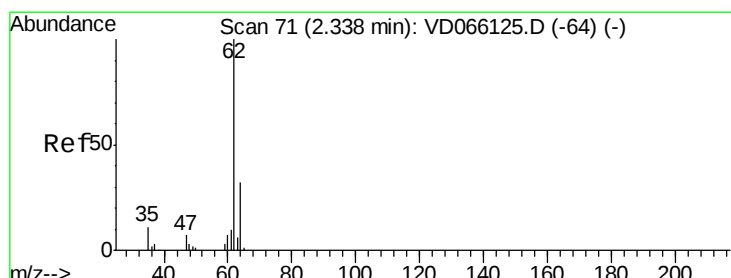
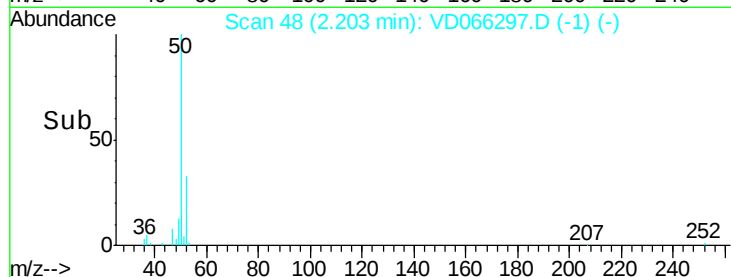
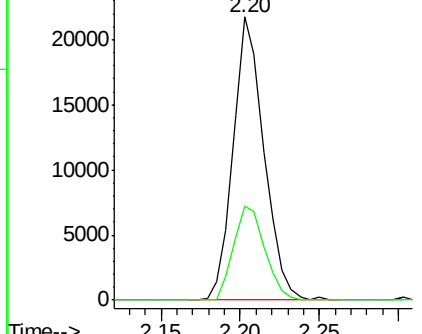
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 21.859 ug/l

RT: 2.34 min Scan# 72

Delta R.T. 0.01 min

Lab File: VD066297.D

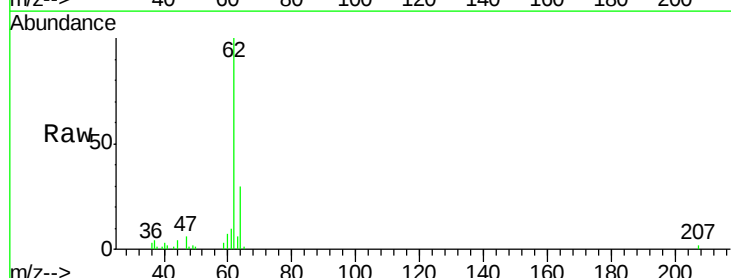
Acq: 19 Aug 2020 02:13

Tgt Ion: 62 Resp: 29224

Ion Ratio Lower Upper

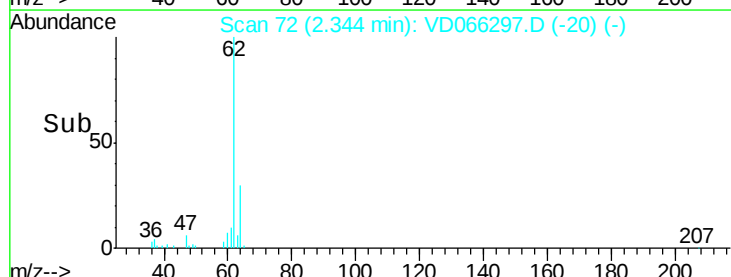
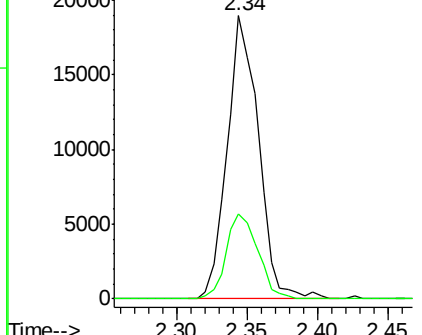
62 100

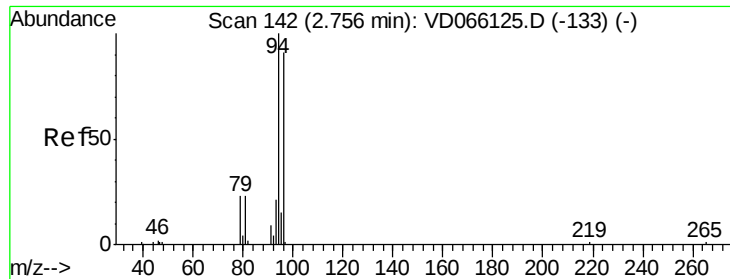
64 30.1 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 23.789 ug/l

RT: 2.76 min Scan# 142

Delta R.T. 0.00 min

Lab File: VD066297.D

Acq: 19 Aug 2020 02:13

Instrument :

MSVOA_D

ClientSampleId :

VD0818SBSD02

Tot Ion: 94 Resp: 21101

Ion Ratio Lower Upper

94 100

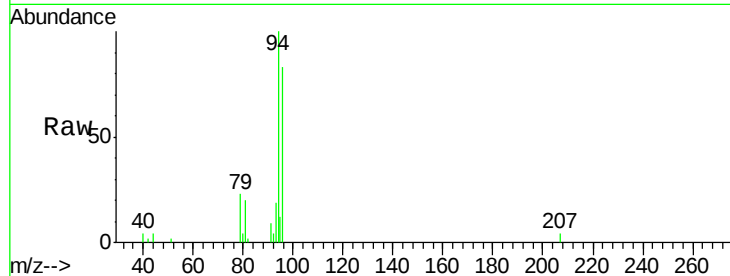
96 82.6 72.6 109.0

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

12000

10000

8000

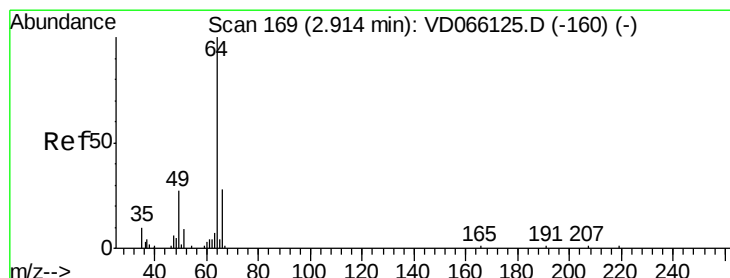
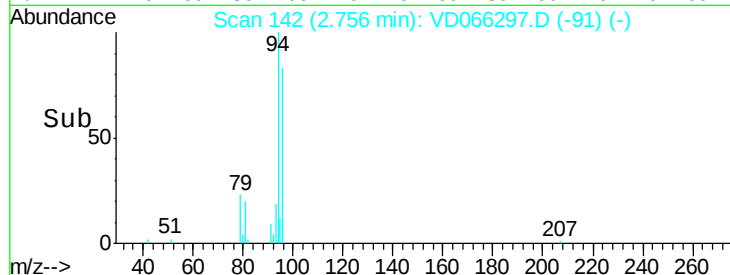
6000

4000

2000

0

Time--> 2.65 2.70 2.75 2.80 2.85



#6

Chloroethane

Concen: 22.872 ug/l

RT: 2.91 min Scan# 168

Delta R.T. -0.01 min

Lab File: VD066297.D

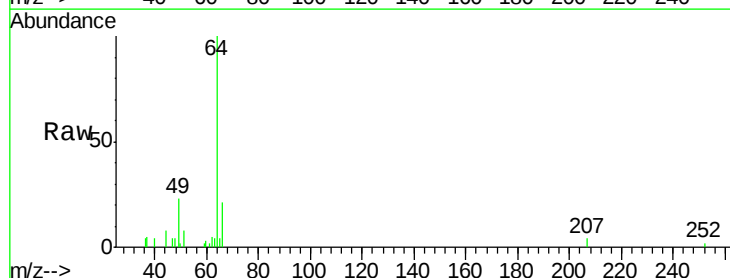
Acq: 19 Aug 2020 02:13

Tgt Ion: 64 Resp: 18770

Ion Ratio Lower Upper

64 100

66 21.3 22.0 33.0#



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

10000

8000

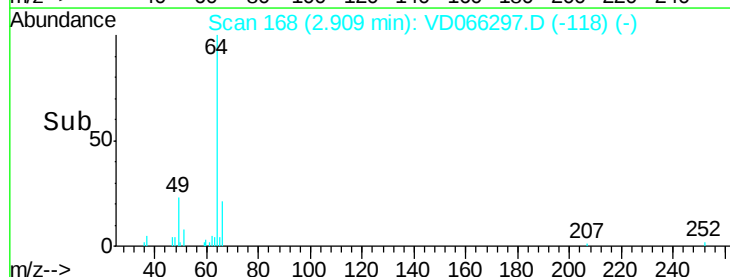
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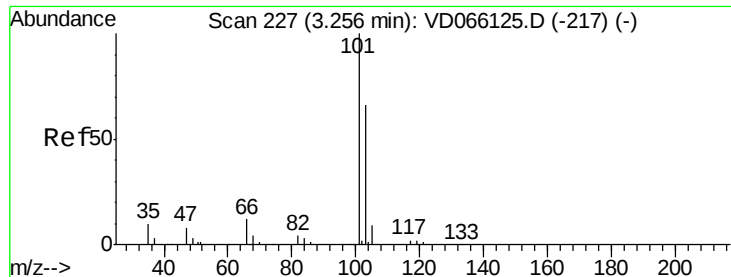
4000

2000

0

Time--> 2.85 2.90 2.95 3.00





#7

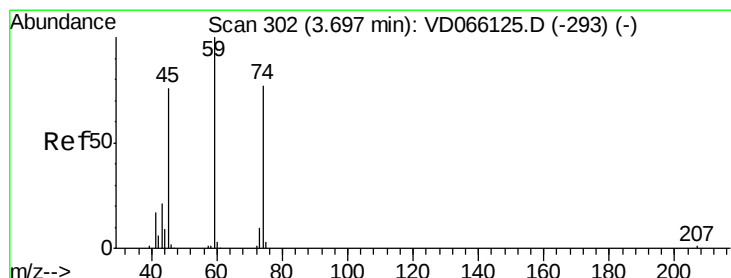
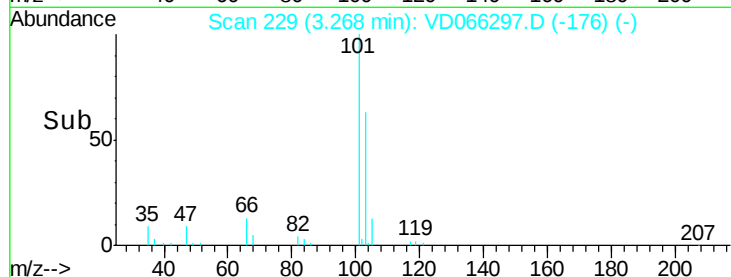
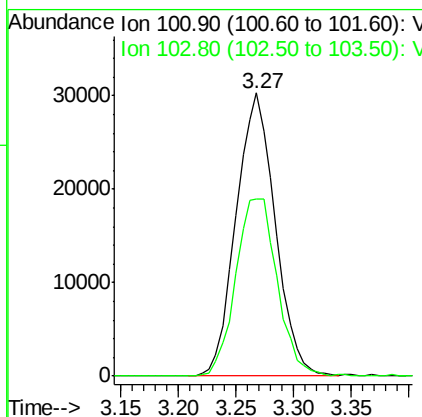
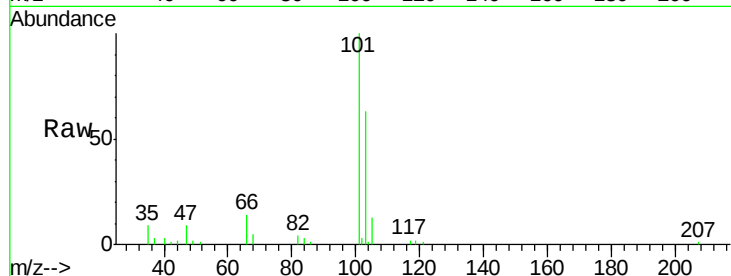
Trichlorofluoromethane
 Concen: 20.461 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. 0.01 min
 Lab File: VD066297.D
 Acq: 19 Aug 2020 02:13

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 VD0818SBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.8	53.0	79.6

Manual Integrations
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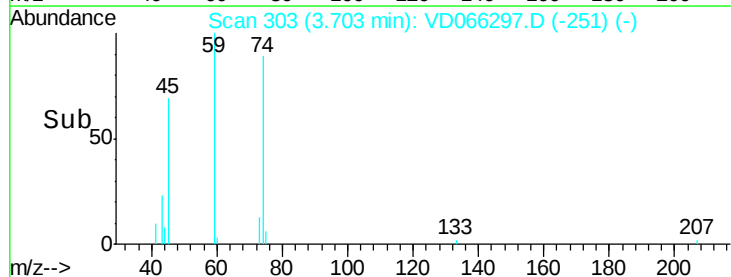
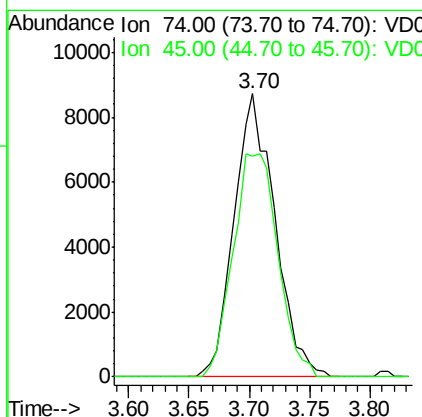
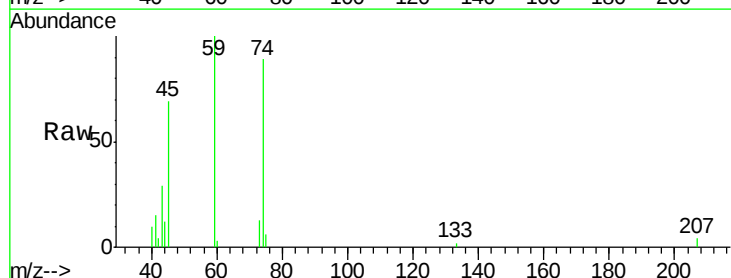
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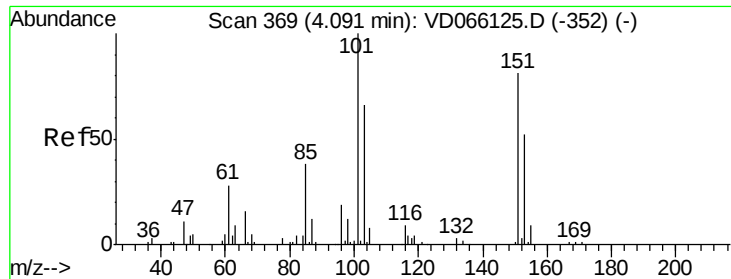


#8

Diethyl Ether
 Concen: 20.870 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. 0.01 min
 Lab File: VD066297.D
 Acq: 19 Aug 2020 02:13

Tgt Ion	Ratio	Lower	Upper
74	100		
45	86.5	48.4	145.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.177 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.00 min

Lab File: VD066297.D

Acq: 19 Aug 2020 02:13

Instrument :

MSVOA_D

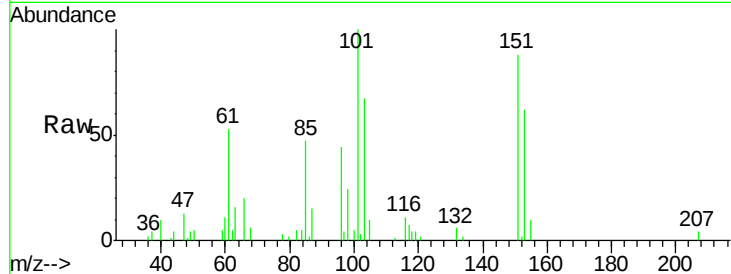
ClientSampleId :

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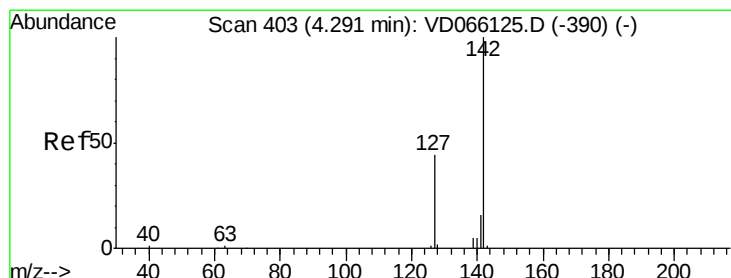
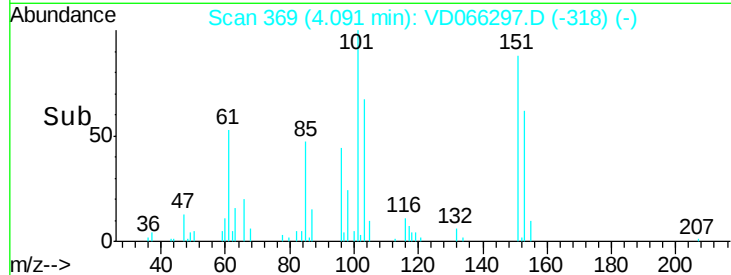
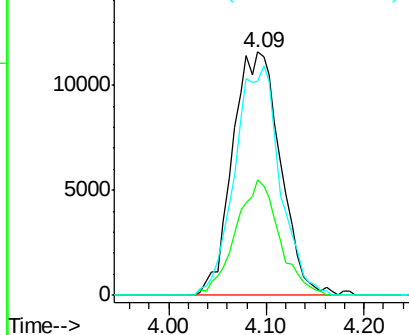
Tot Ion:	101	Resp:	39667
Ion Ratio	Lower	Upper	
101	100		
85	43.3	33.5	50.3
151	89.2	67.8	101.8

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 25.402 ug/l

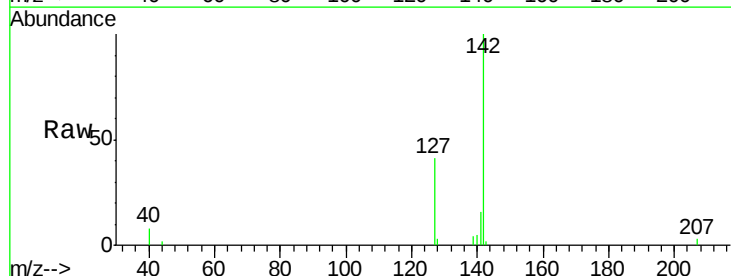
RT: 4.30 min Scan# 405

Delta R.T. 0.01 min

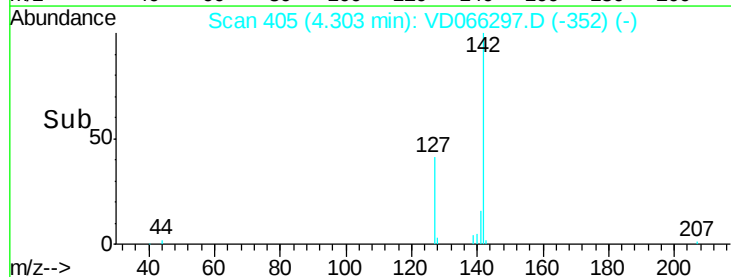
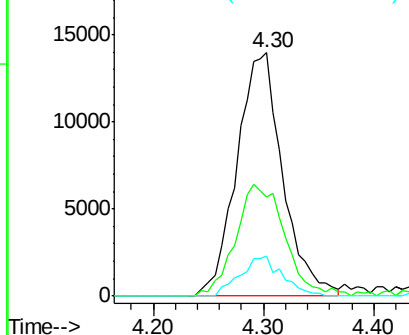
Lab File: VD066297.D

Acq: 19 Aug 2020 02:13

Tgt Ion:	142	Resp:	40656
Ion Ratio	Lower	Upper	
142	100		
127	48.3	36.2	54.4
141	15.0	12.6	18.8



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

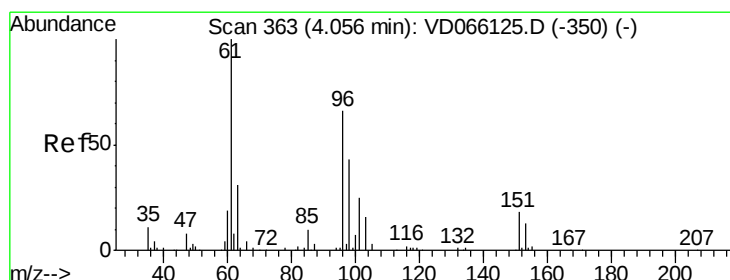
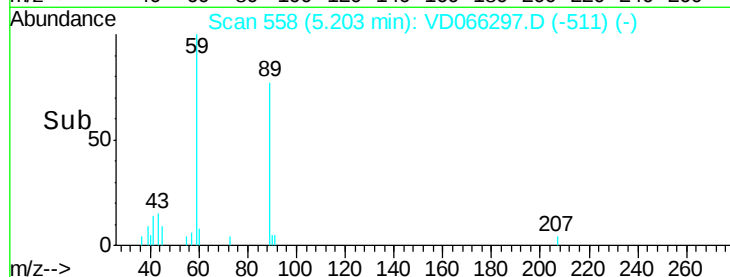
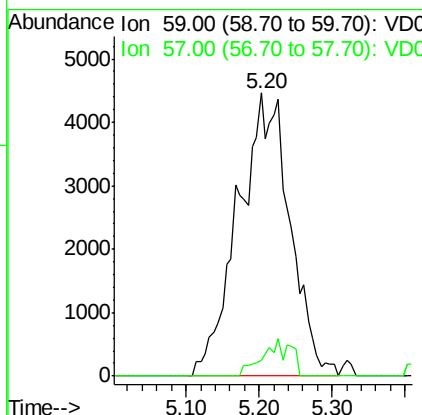
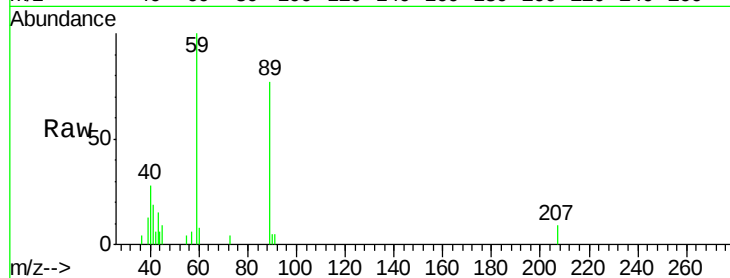
Tert butyl alcohol
 Concen: 131.272 ug/l m
 RT: 5.20 min Scan# 558
 Delta R.T. -0.02 min
 Lab File: VD066297.D
 Acq: 19 Aug 2020 02:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0818SBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.0	10.4#

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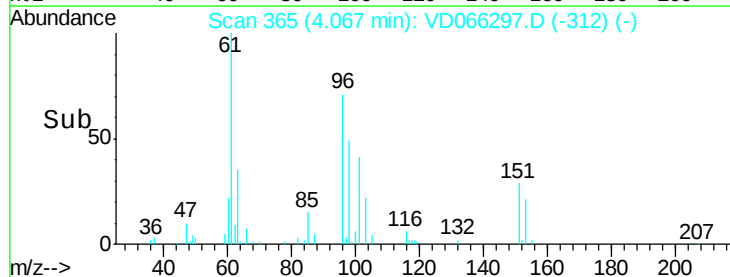
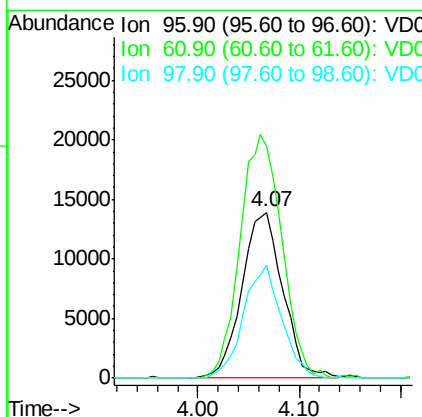
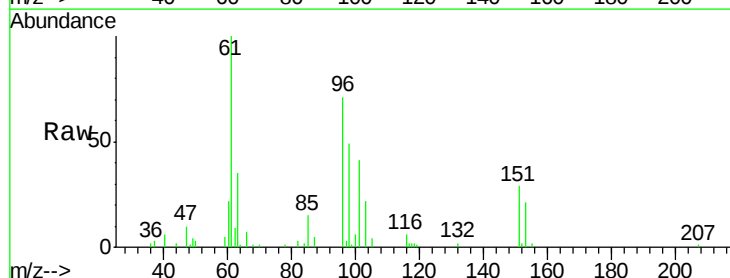
MMDadoda
 8/19/2020 5:23:36 PM

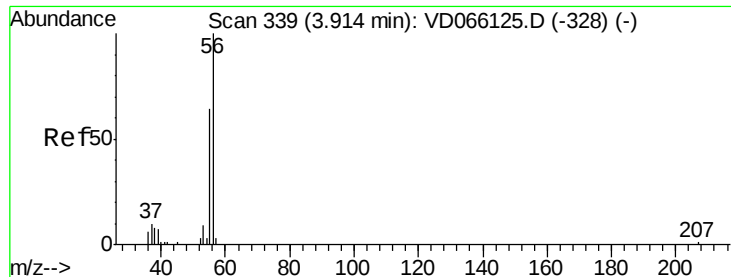


#12

1,1-Dichloroethene
 Concen: 20.015 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. 0.01 min
 Lab File: VD066297.D
 Acq: 19 Aug 2020 02:13

Tgt Ion	Ratio	Lower	Upper
96	100		
61	140.4	121.6	182.4
98	68.6	52.0	78.0





#13

Acrolein

Concen: 53.556 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.01 min

Lab File: VD066297.D

Acq: 19 Aug 2020 02:13

Instrument :

MSVOA_D

ClientSampleId :

VD0818SBS02

Tot Ion: 56 Resp: 8380

Ion Ratio Lower Upper

56 100

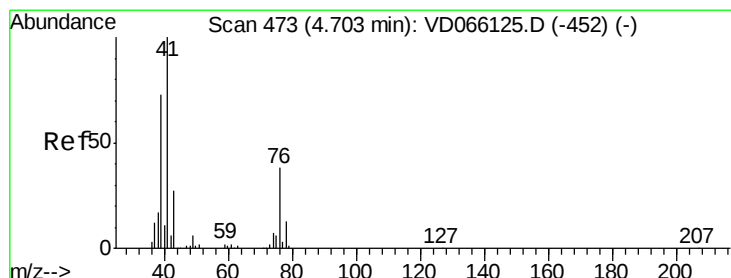
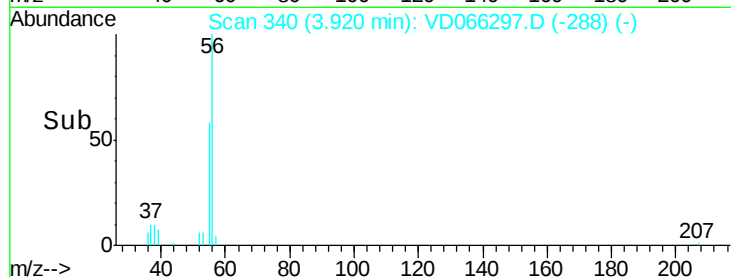
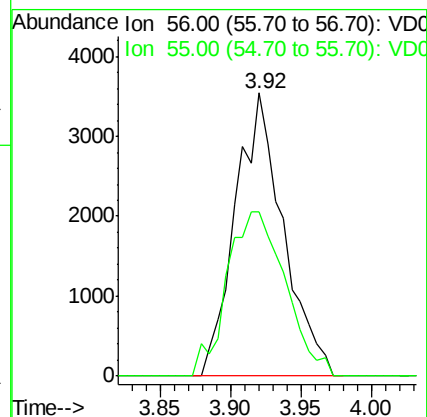
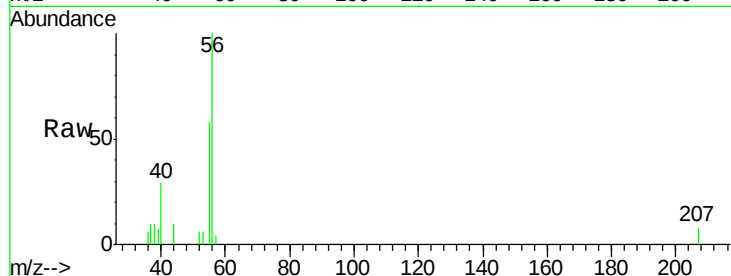
55 70.8 56.7 85.1

Manual Integrations

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#14

Allyl chloride

Concen: 18.655 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.01 min

Lab File: VD066297.D

Acq: 19 Aug 2020 02:13

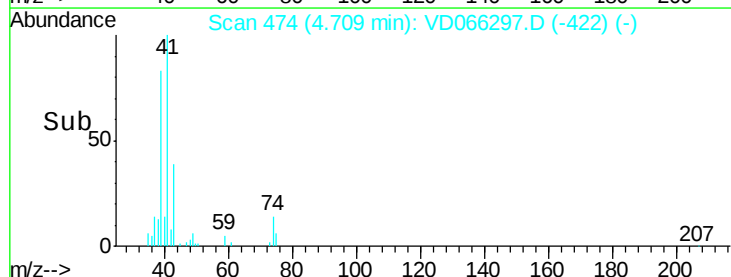
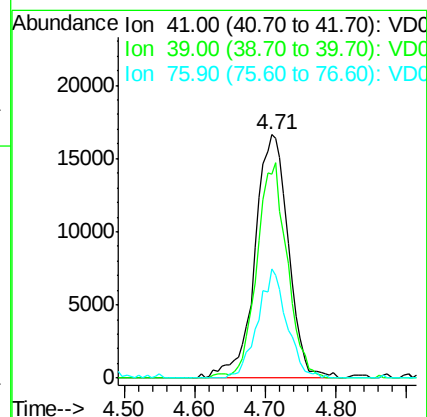
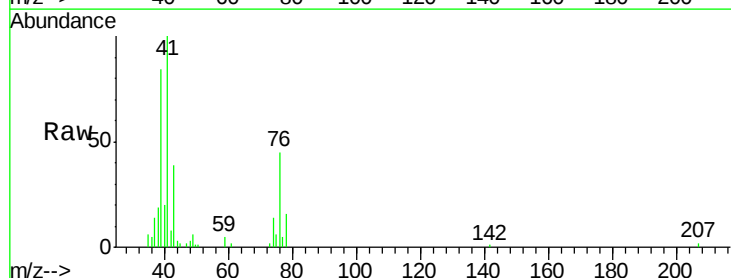
Tgt Ion: 41 Resp: 55148

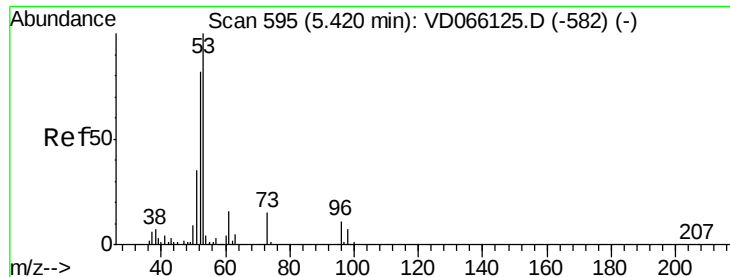
Ion Ratio Lower Upper

41 100

39 80.3 57.4 86.0

76 39.1 30.1 45.1





#15

Acrylonitrile

Concen: 99.742 ug/l

RT: 5.42 min Scan# 595

Delta R.T. 0.00 min

Lab File: VD066297.D

Acq: 19 Aug 2020 02:13

Instrument :

MSVOA_D

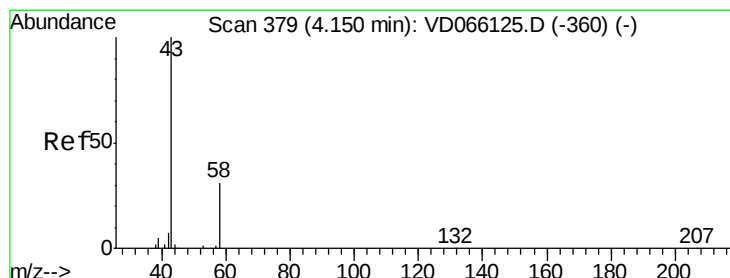
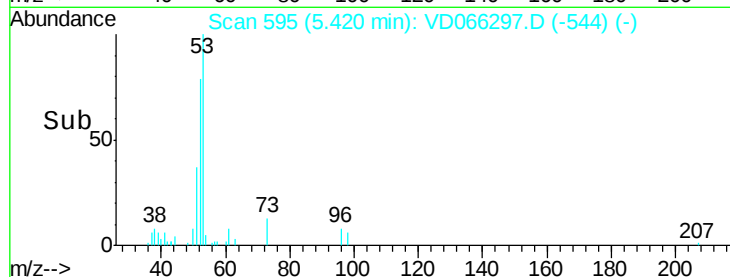
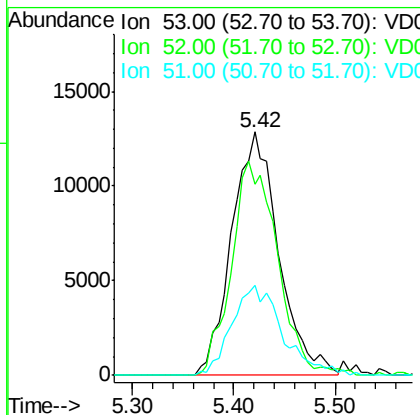
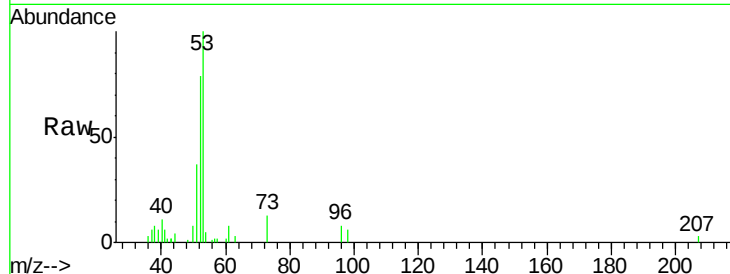
ClientSampleId :

VD0818SBS02

Tot Ion:	53	Resp:	41336
Ion	Ratio	Lower	Upper
53	100		
52	86.8	66.1	99.1
51	40.0	30.8	46.2

Manual Integrations
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#16

Acetone

Concen: 95.829 ug/l

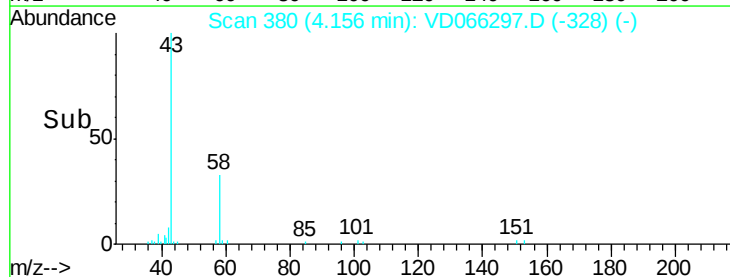
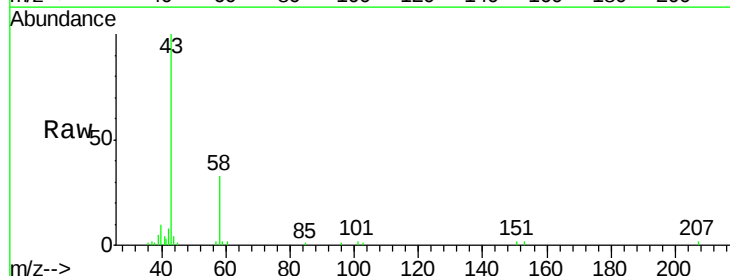
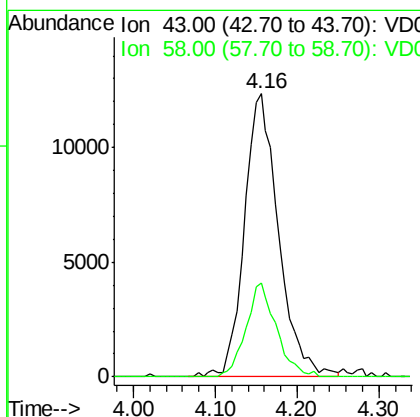
RT: 4.16 min Scan# 380

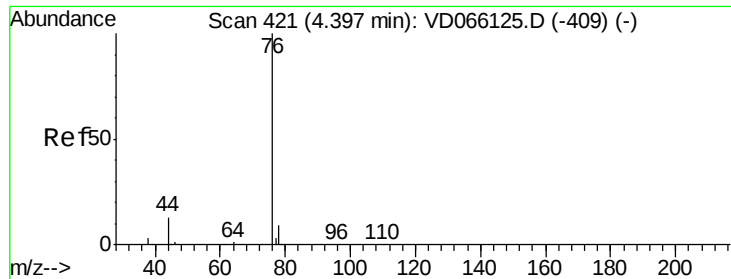
Delta R.T. 0.01 min

Lab File: VD066297.D

Acq: 19 Aug 2020 02:13

Tgt Ion:	43	Resp:	35743
Ion	Ratio	Lower	Upper
43	100		
58	33.2	24.7	37.1





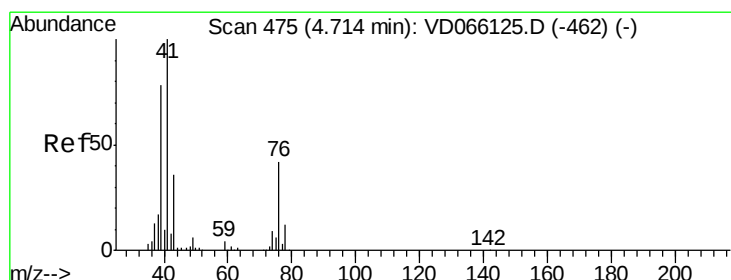
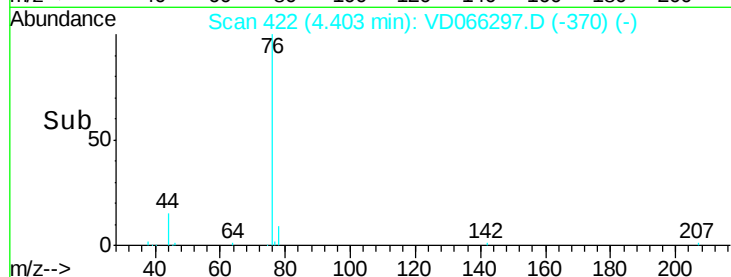
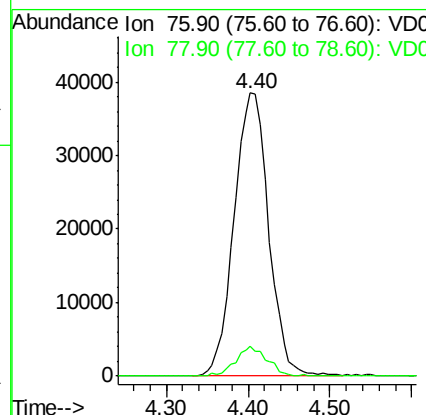
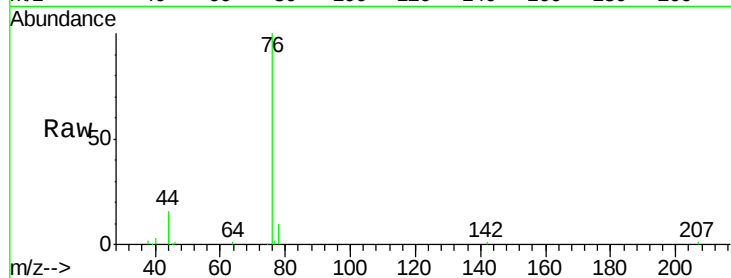
#17
Carbon Disulfide
Concen: 18.203 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.01 min
Lab File: VD066297.D
Acq: 19 Aug 2020 02:13

Instrument :
MSVOA_D
ClientSampleId :
VD0818SBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	10.4	7.5	11.3

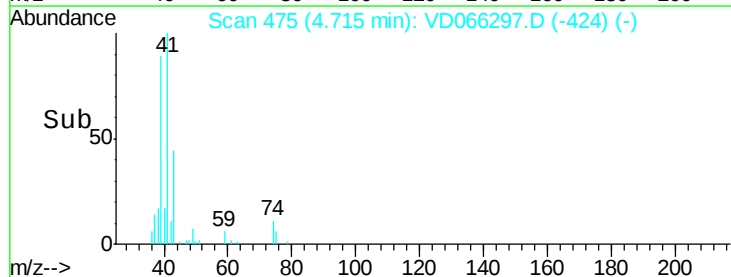
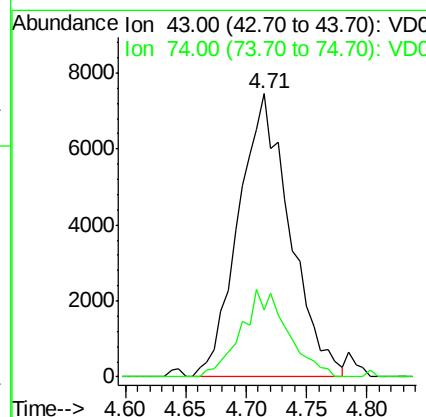
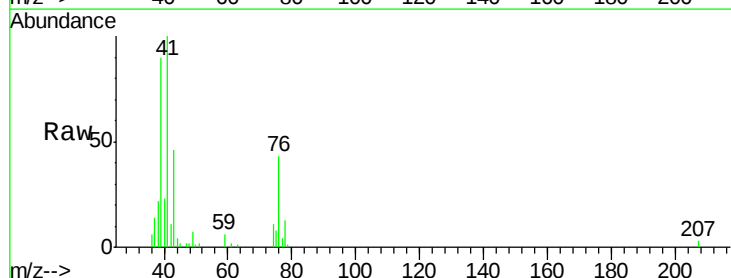
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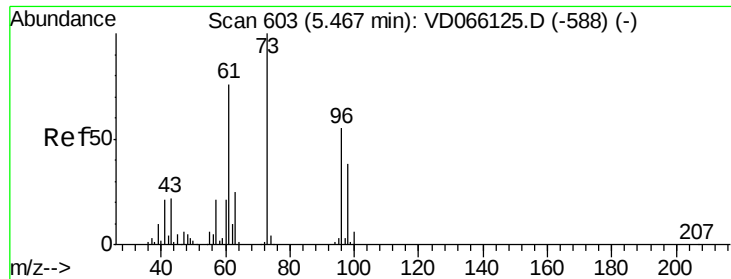
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#18
Methyl Acetate
Concen: 23.289 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.00 min
Lab File: VD066297.D
Acq: 19 Aug 2020 02:13

Tgt Ion	Ratio	Lower	Upper
43	100		
74	27.8	21.2	31.8





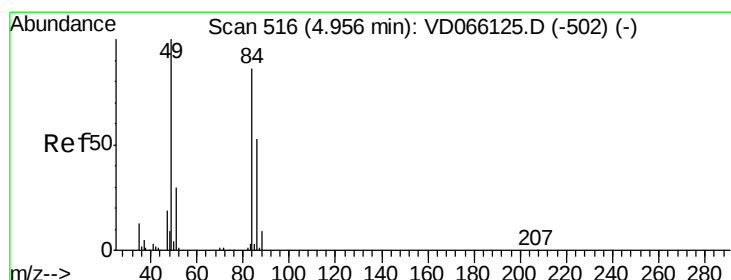
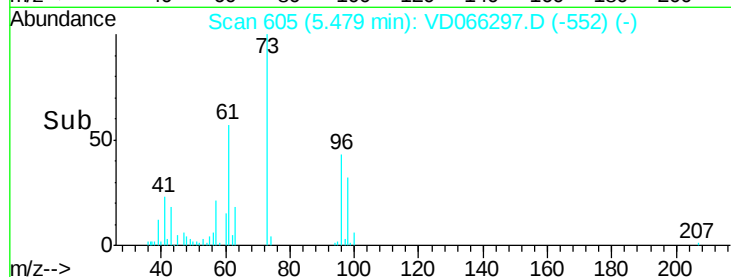
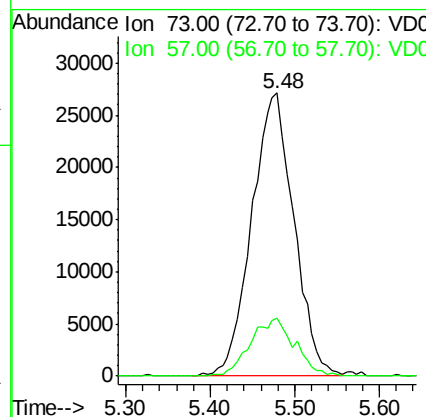
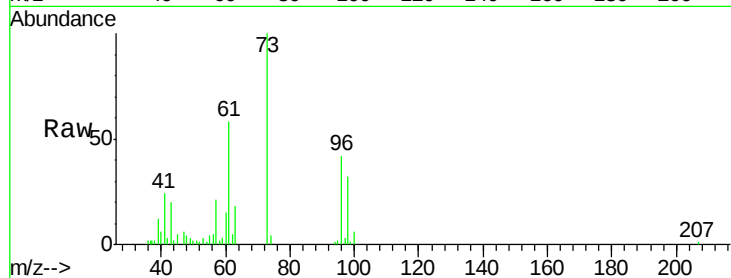
#19
Methyl tert-butyl Ether
Concen: 21.089 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.01 min
Lab File: VD066297.D
Acq: 19 Aug 2020 02:13

Instrument :
MSVOA_D
ClientSampleId :
VD0818SBS02

Tot Ion: 73 Resp: 94321
Ion Ratio Lower Upper
73 100
57 20.5 17.1 25.7

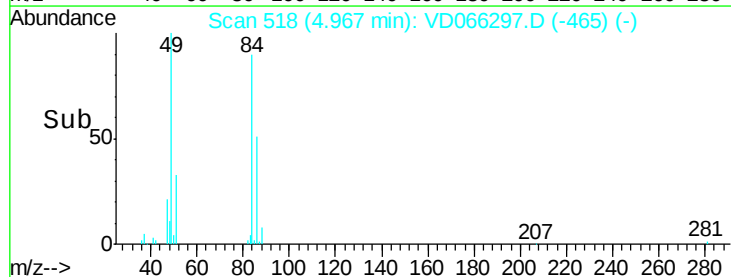
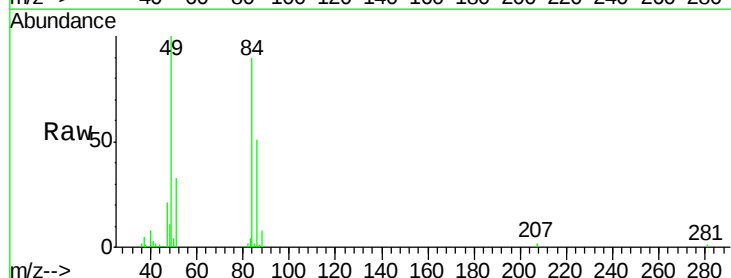
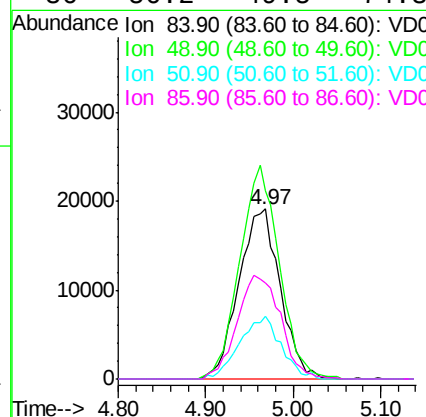
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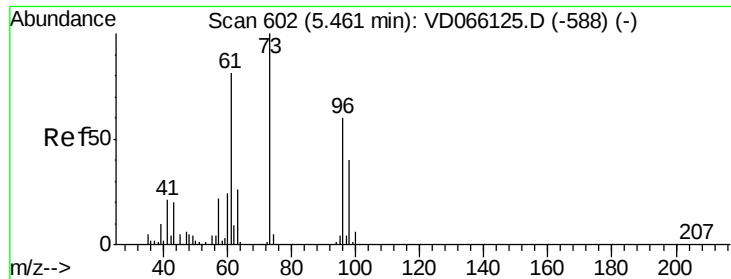
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#20
Methylene Chloride
Concen: 26.577 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD066297.D
Acq: 19 Aug 2020 02:13

Tgt Ion: 84 Resp: 61610
Ion Ratio Lower Upper
84 100
49 111.1 93.5 140.3
51 36.8 28.2 42.4
86 56.2 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 19.789 ug/l

RT: 5.46 min Scan# 602

Delta R.T. 0.00 min

Lab File: VD066297.D

Acq: 19 Aug 2020 02:13

Instrument :

MSVOA_D

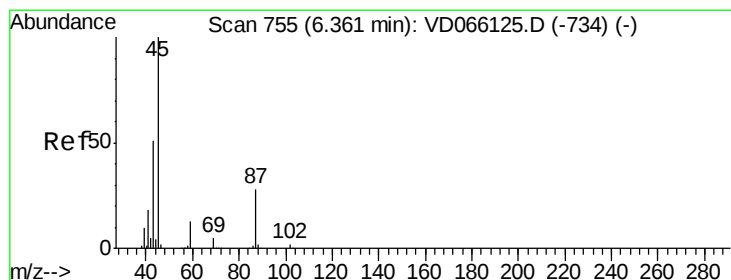
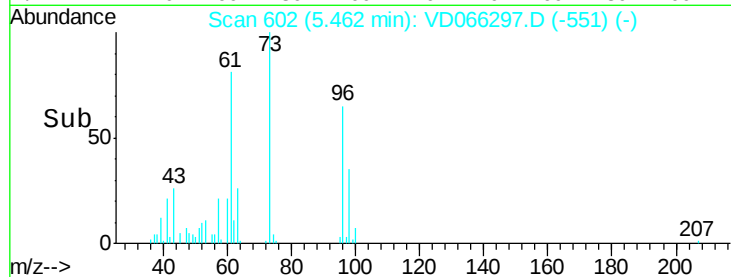
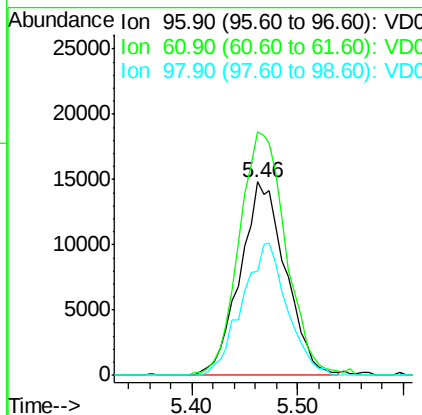
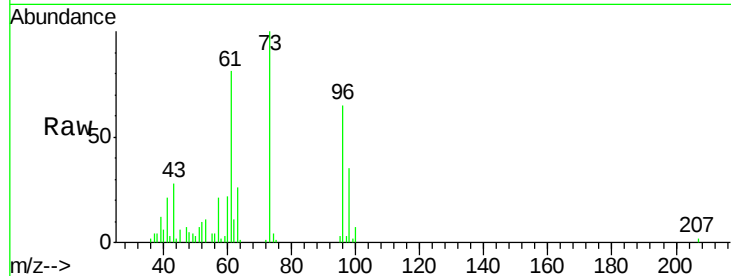
ClientSampleId :

VD0818SBS02

Tot Ion:	96	Resp:	44361
Ion	Ratio	Lower	Upper
96	100		
61	126.0	106.9	160.3
98	53.9	53.4	80.0

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#22

Diisopropyl ether

Concen: 19.486 ug/l

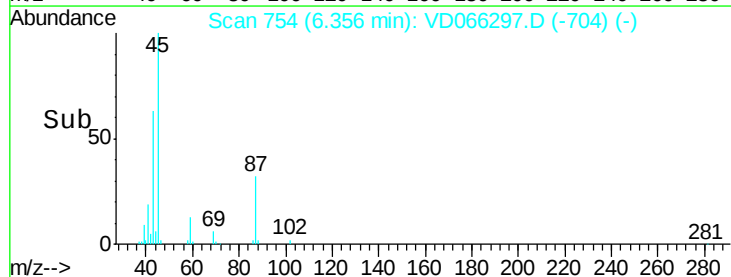
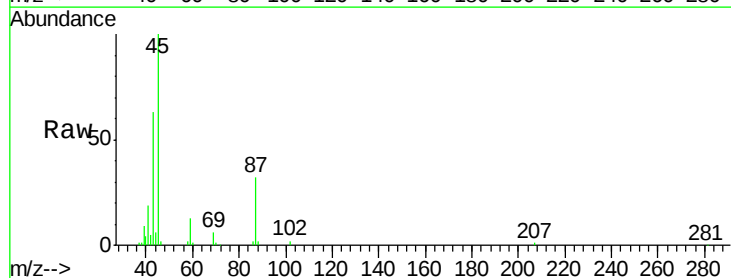
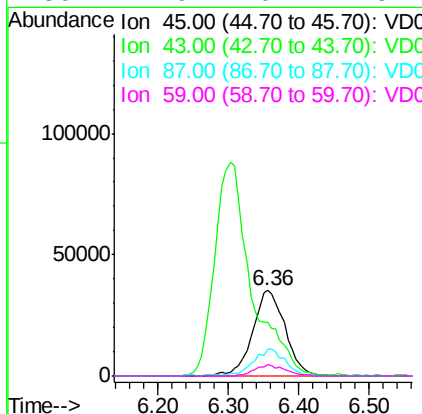
RT: 6.36 min Scan# 754

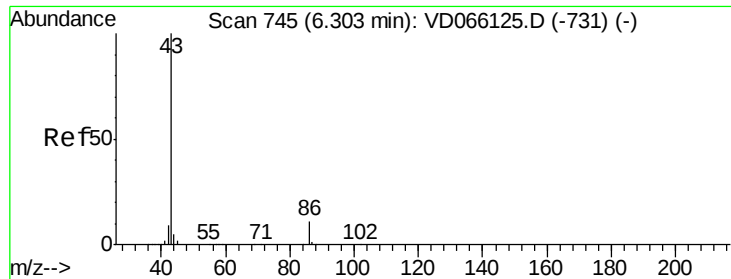
Delta R.T. -0.01 min

Lab File: VD066297.D

Acq: 19 Aug 2020 02:13

Tgt Ion:	45	Resp:	113914
Ion	Ratio	Lower	Upper
45	100		
43	60.7	41.2	61.8
87	31.8	22.8	34.2
59	12.9	10.2	15.2





#23

Vinyl Acetate

Concen: 93.456 ug/l

RT: 6.30 min Scan# 745

Delta R.T. 0.00 min

Lab File: VD066297.D

Acq: 19 Aug 2020 02:13

Instrument :

MSVOA_D

ClientSampleID :

VD0818SBS02

Tot Ion: 43 Resp: 320072

Ion Ratio Lower Upper

43 100

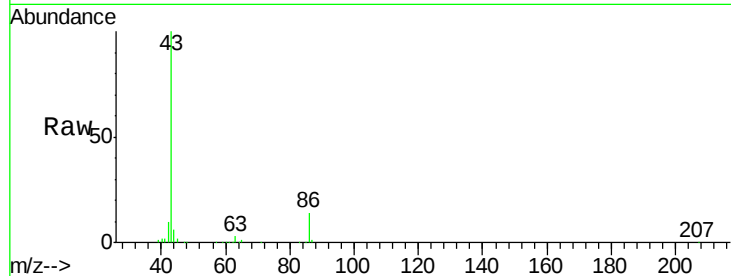
86 13.7 9.1 13.7#

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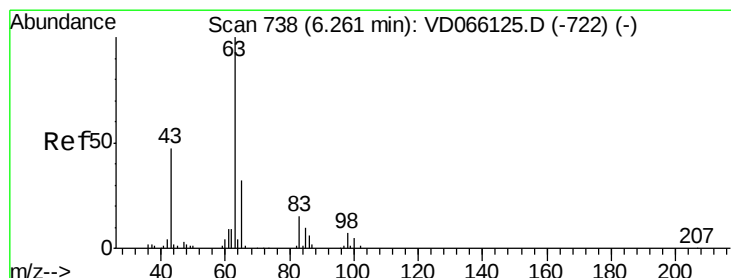
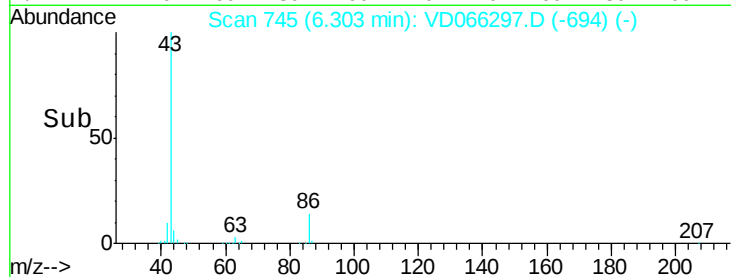
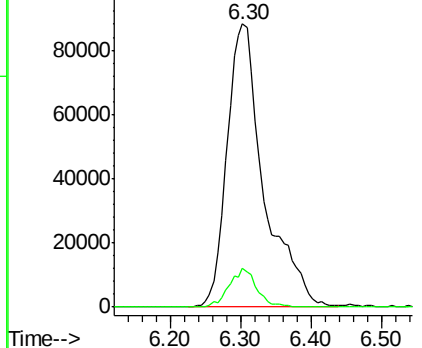
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 20.838 ug/l

RT: 6.26 min Scan# 738

Delta R.T. 0.00 min

Lab File: VD066297.D

Acq: 19 Aug 2020 02:13

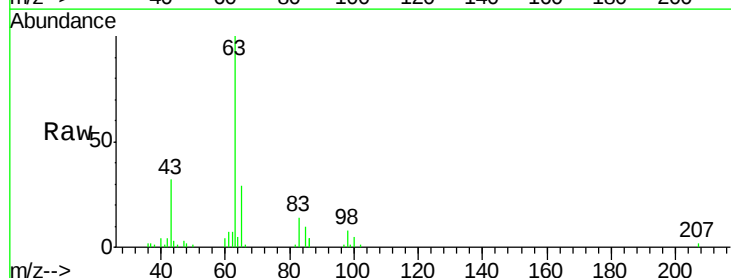
Tgt Ion: 63 Resp: 75388

Ion Ratio Lower Upper

63 100

98 7.9 3.5 10.5

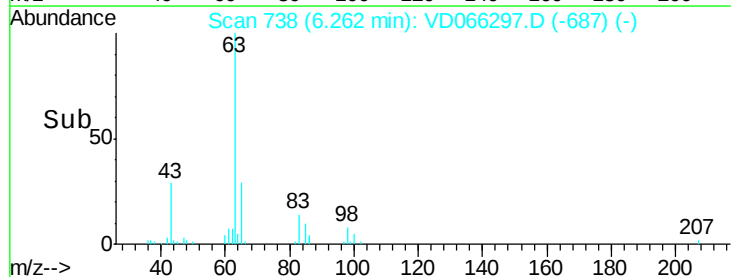
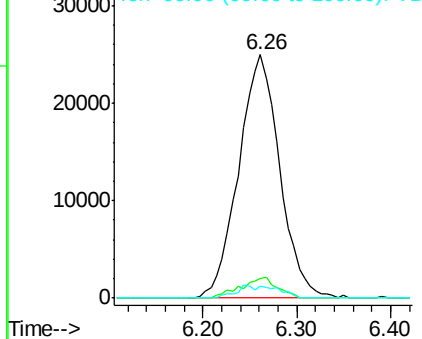
100 5.0 2.4 7.2

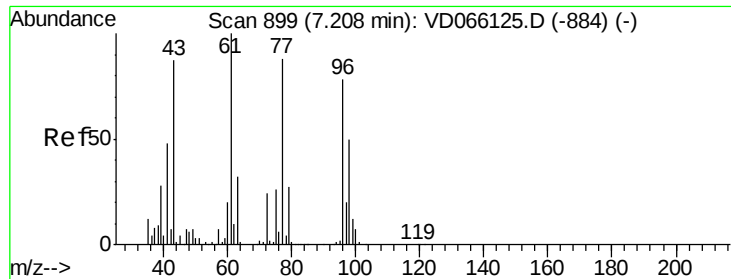


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 100.741 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD066297.D

Acq: 19 Aug 2020 02:13

Instrument :

MSVOA_D

ClientSampleId :

VD0818SBS02

Tot Ion: 43 Resp: 55266

Ion Ratio Lower Upper

43 100

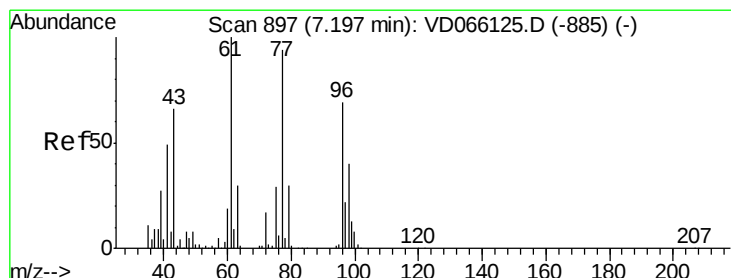
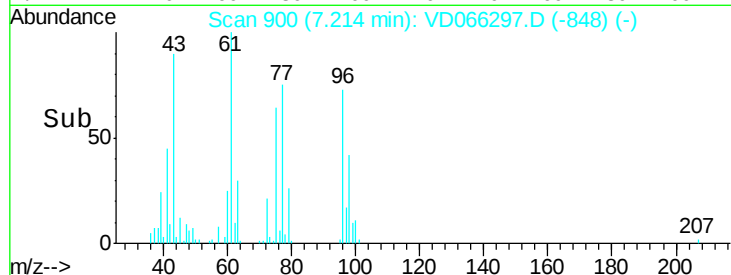
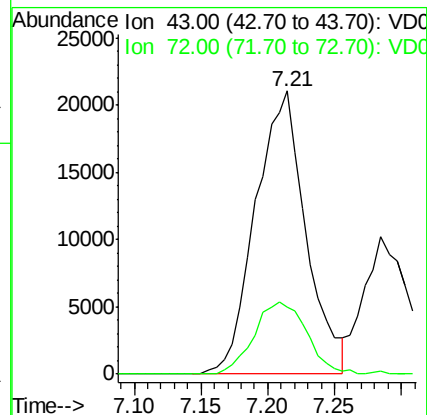
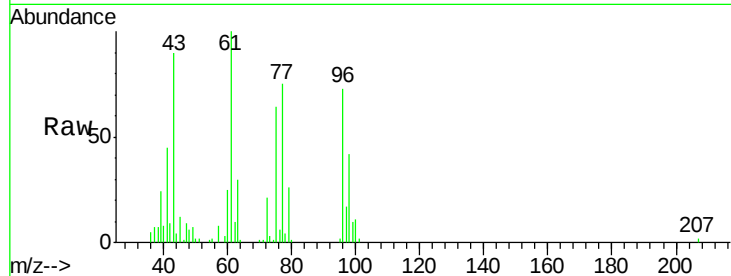
72 23.5 22.2 33.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 18.996 ug/l

RT: 7.20 min Scan# 898

Delta R.T. 0.01 min

Lab File: VD066297.D

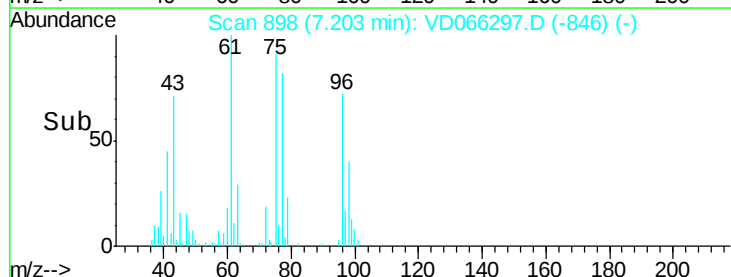
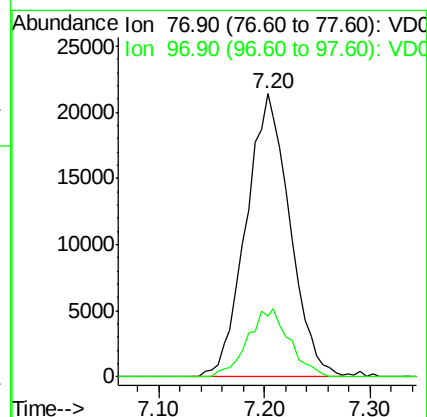
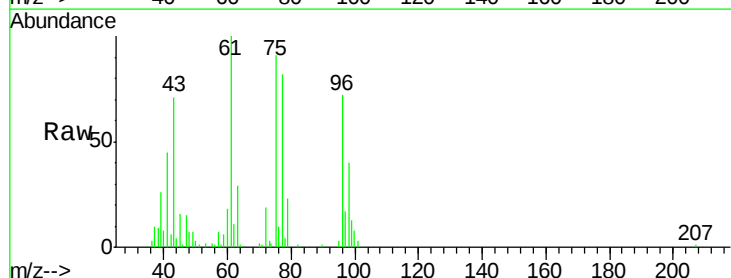
Acq: 19 Aug 2020 02:13

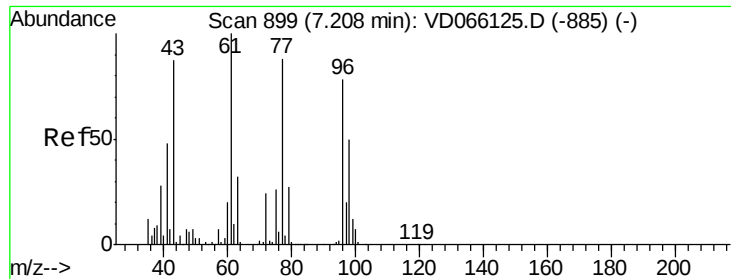
Tgt Ion: 77 Resp: 61595

Ion Ratio Lower Upper

77 100

97 22.8 11.8 35.3





#27

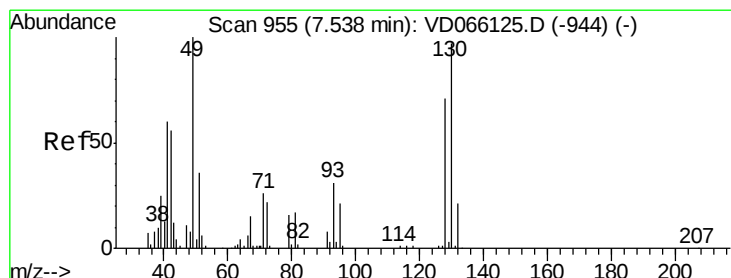
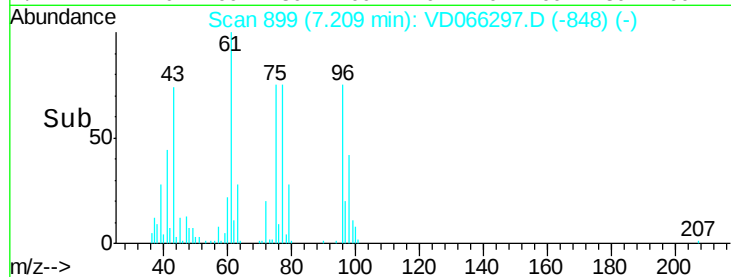
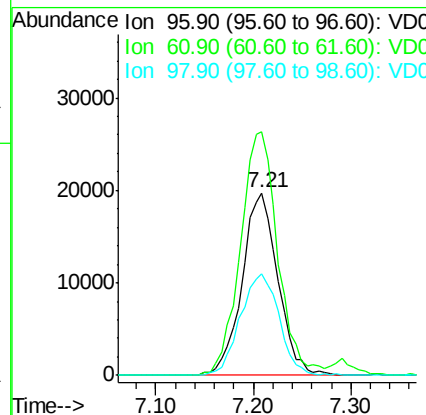
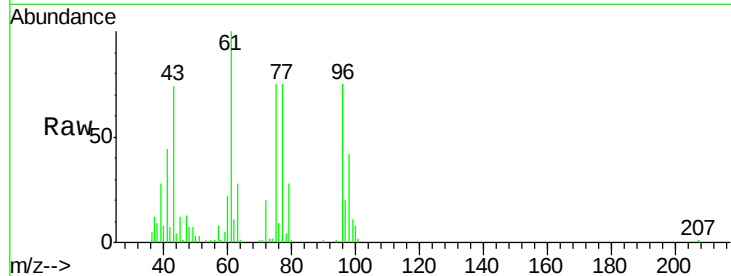
cis-1,2-Dichloroethene
 Concen: 21.551 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VD066297.D
 Acq: 19 Aug 2020 02:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0818SBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	138.7	0.0	281.6
98	59.7	0.0	130.8

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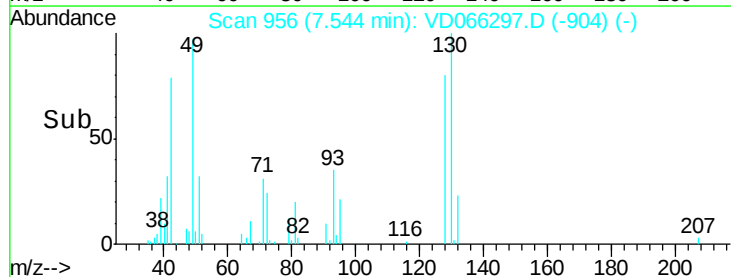
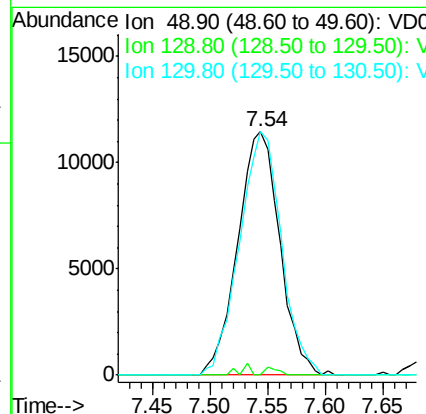
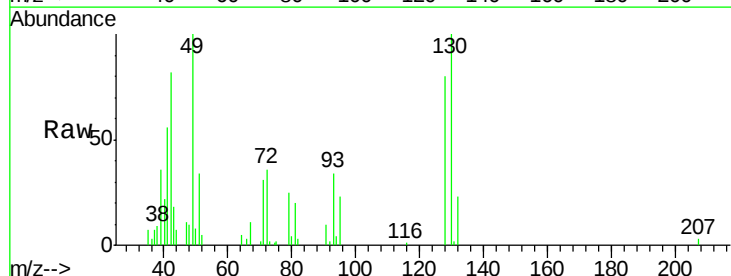
MMDadoda
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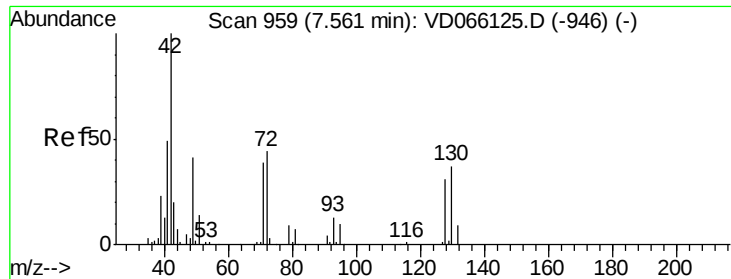


#28

Bromochloromethane
 Concen: 22.807 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. 0.01 min
 Lab File: VD066297.D
 Acq: 19 Aug 2020 02:13

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	6.0
130	99.9	73.8	110.6





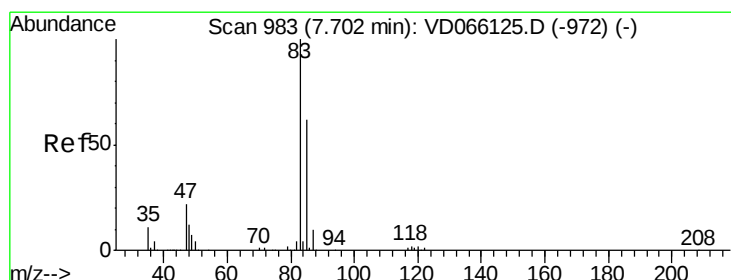
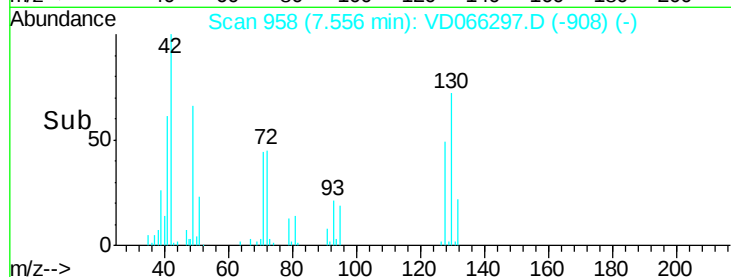
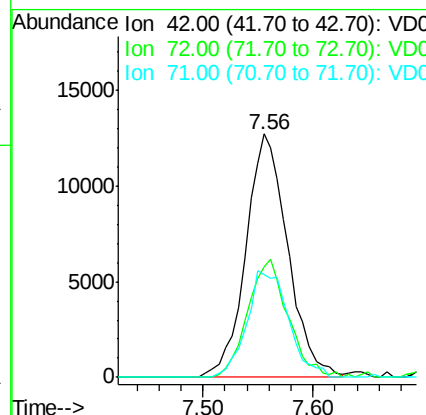
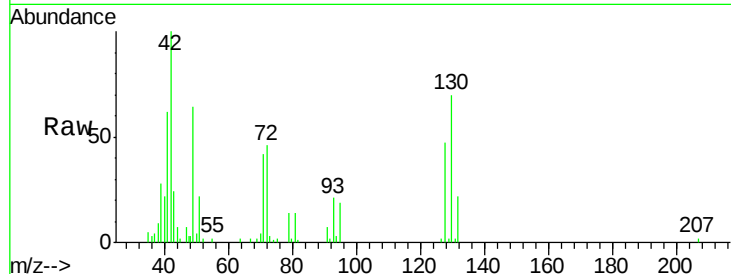
#29
Tetrahydrofuran
Concen: 99.682 ug/l
RT: 7.56 min Scan# 958
Delta R.T. -0.01 min
Lab File: VD066297.D
Acq: 19 Aug 2020 02:13

Instrument :
MSVOA_D
ClientSampleId :
VD0818SBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.8	34.8	52.2
71	43.6	33.5	50.3

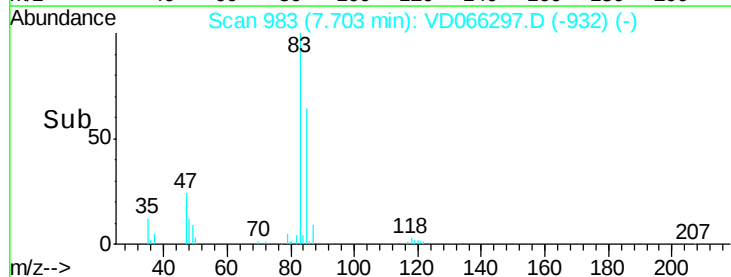
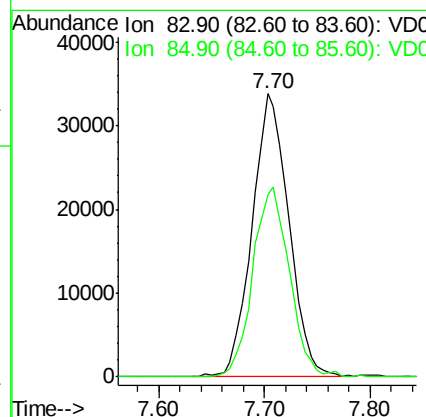
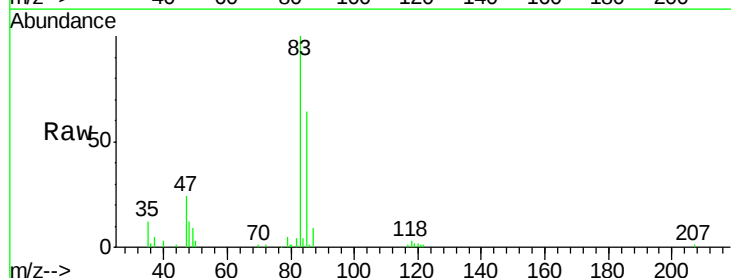
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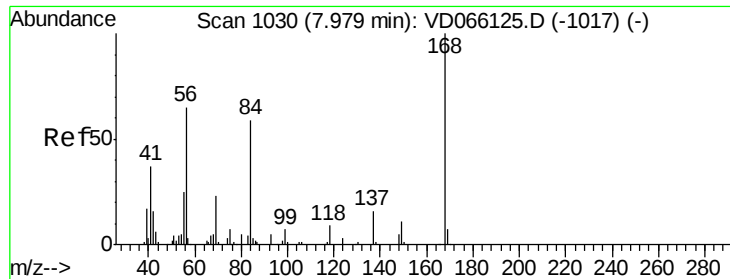
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#30
Chloroform
Concen: 21.504 ug/l
RT: 7.70 min Scan# 983
Delta R.T. 0.00 min
Lab File: VD066297.D
Acq: 19 Aug 2020 02:13

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	49.5	74.3





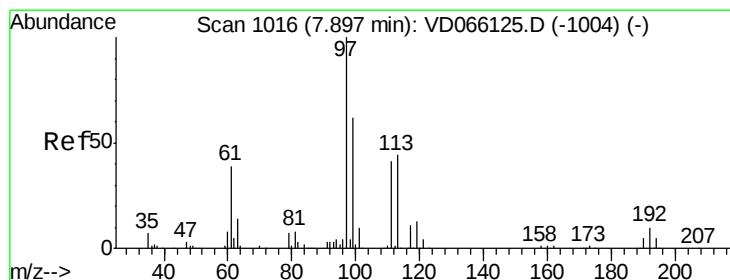
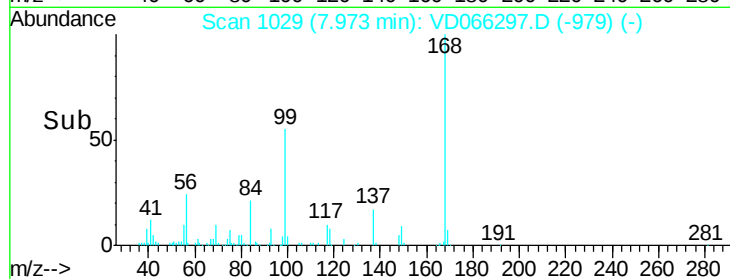
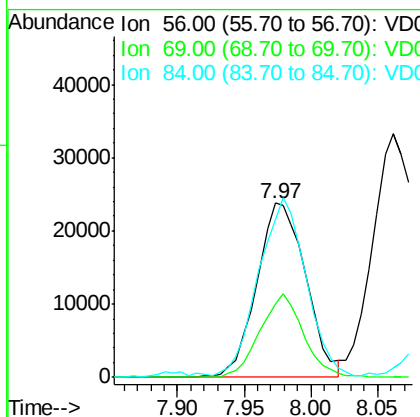
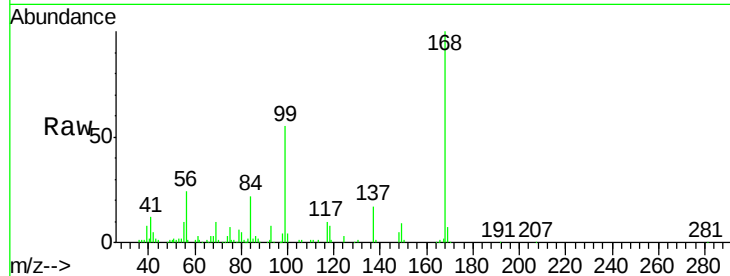
#31
Cyclohexane
Concen: 17.590 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD066297.D
Acq: 19 Aug 2020 02:13

Instrument :
MSVOA_D
ClientSampleId :
VD0818SBS02

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	42.3	28.8	43.2	
84	89.8	73.0	109.6	

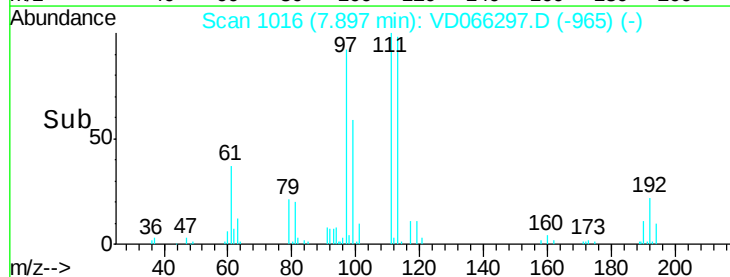
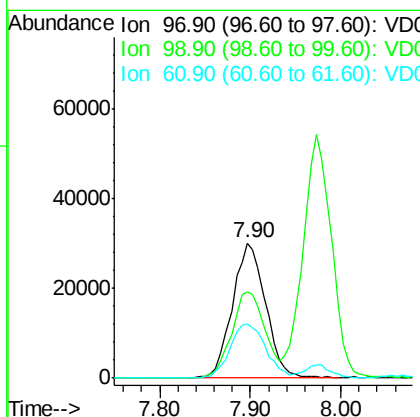
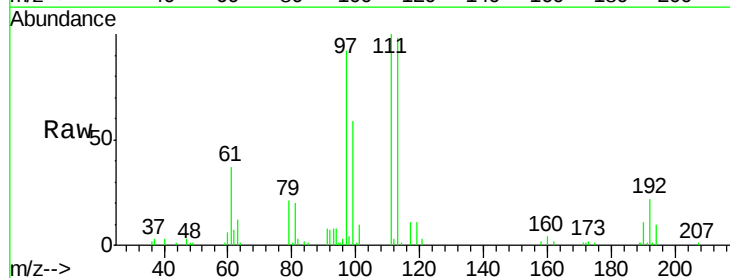
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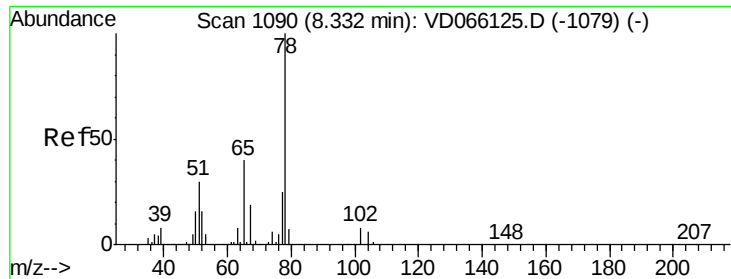
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#32
1,1,1-Trichloroethane
Concen: 21.473 ug/l
RT: 7.90 min Scan# 1016
Delta R.T. 0.00 min
Lab File: VD066297.D
Acq: 19 Aug 2020 02:13

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	63.9	51.1	76.7	
61	43.1	32.7	49.1	





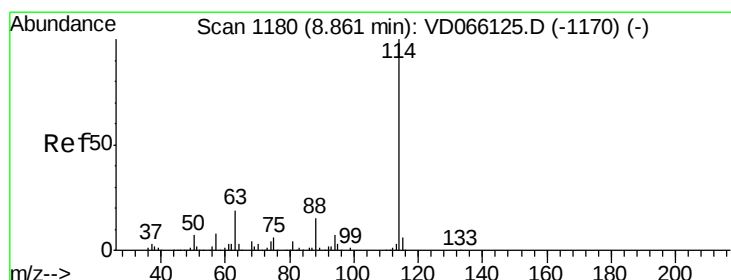
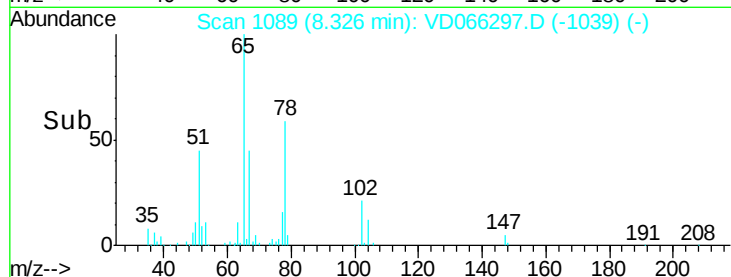
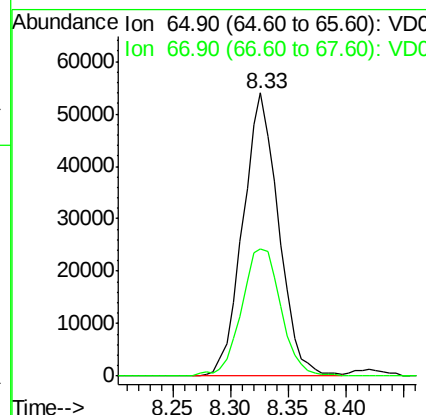
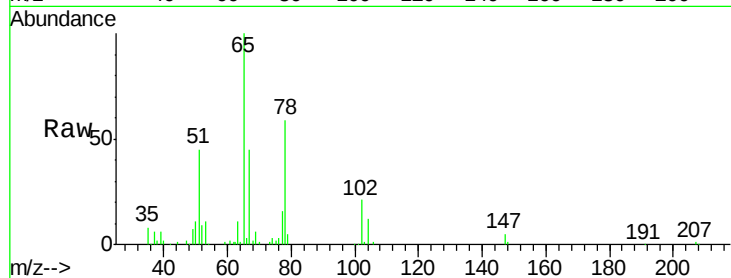
#33
 1,2-Dichloroethane-d4
 Concen: 58.979 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.01 min
 Lab File: VD066297.D
 Acq: 19 Aug 2020 02:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0818SBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	49.9	0.0	104.6	

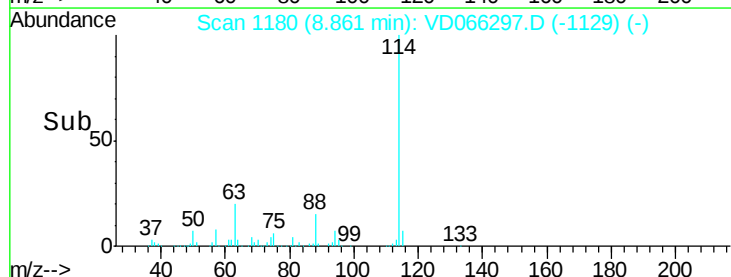
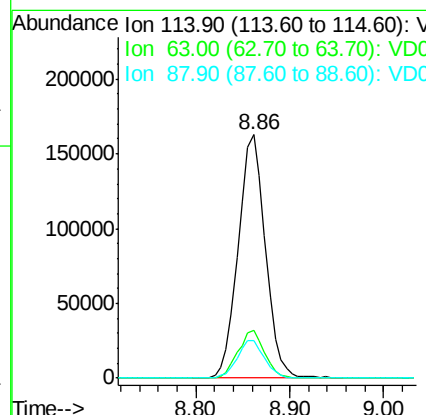
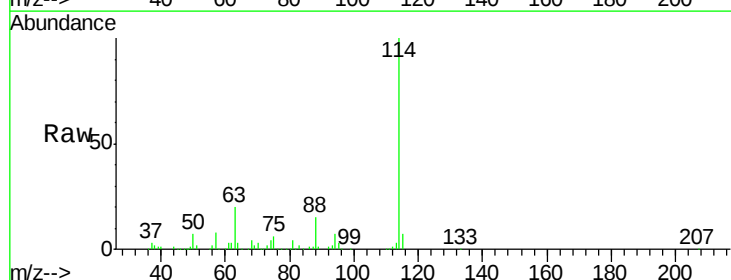
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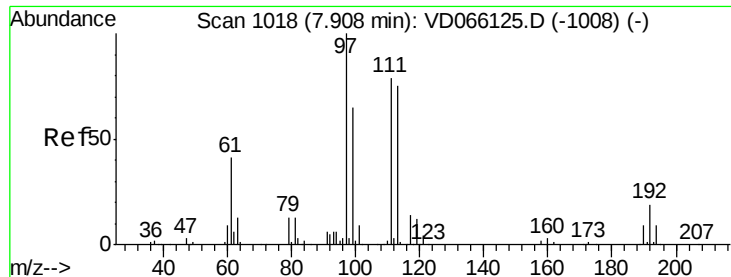
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066297.D
 Acq: 19 Aug 2020 02:13

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.8	0.0	38.6	
88	15.4	0.0	30.0	





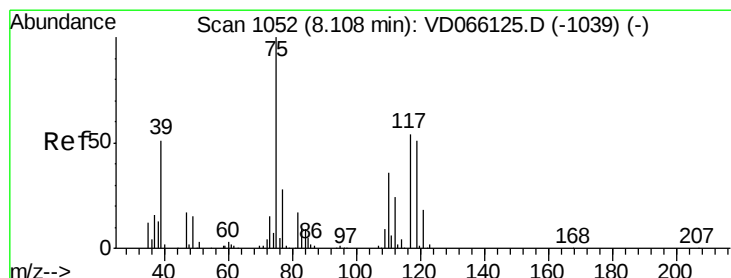
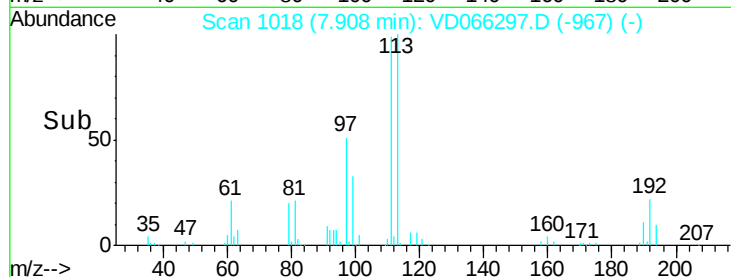
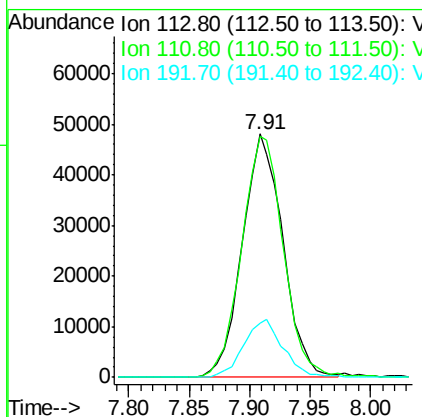
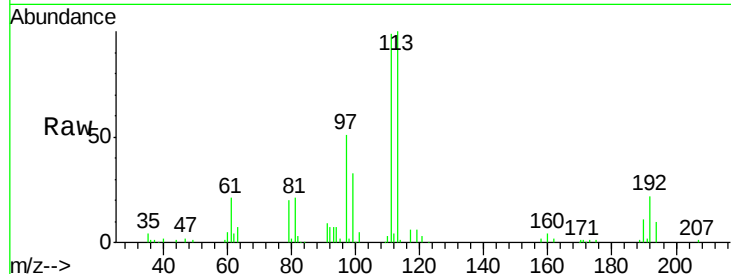
#35
 Dibromofluoromethane
 Concen: 54.485 ug/l
 RT: 7.91 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VD066297.D
 Acq: 19 Aug 2020 02:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0818SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	112900		
111	101.9	80.7	121.1	
192	23.1	18.4	27.6	

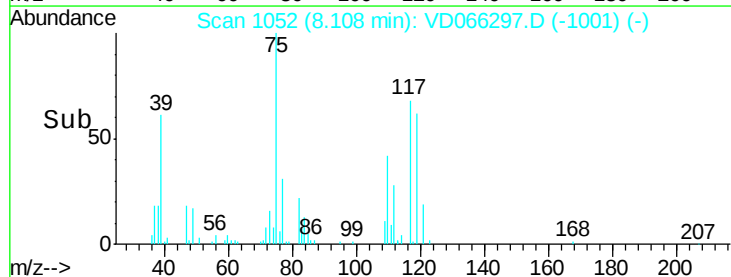
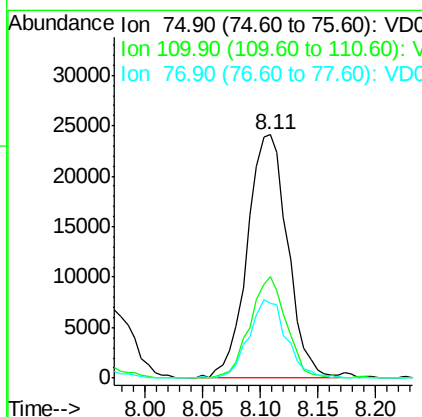
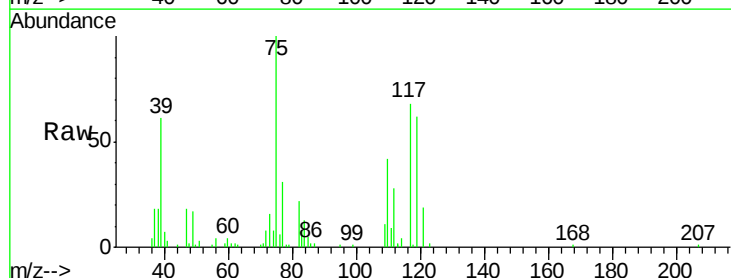
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#36
 1,1-Dichloropropene
 Concen: 19.122 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VD066297.D
 Acq: 19 Aug 2020 02:13

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	58776		
110	37.6	18.8	56.3	
77	30.1	24.2	36.2	





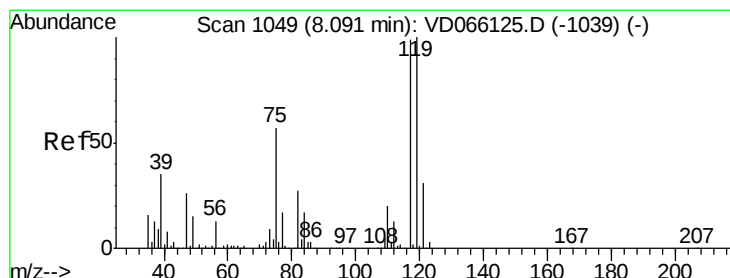
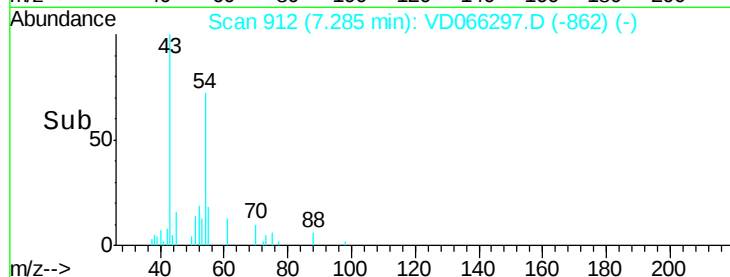
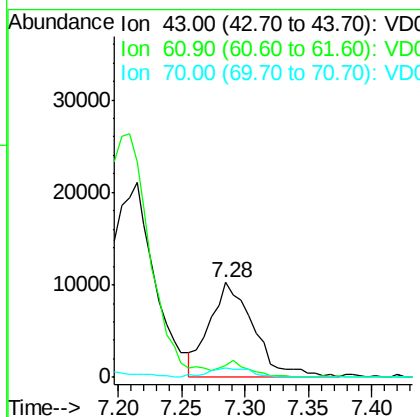
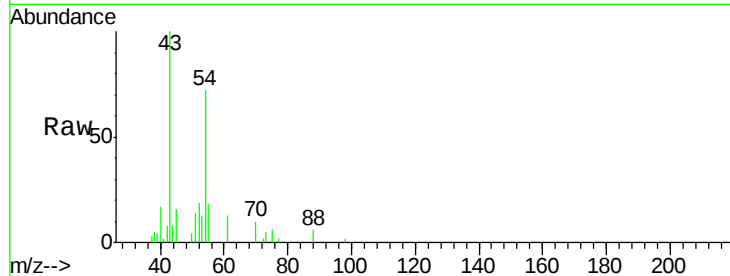
#37
Ethyl Acetate
Concen: 20.558 ug/l
RT: 7.28 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD066297.D
Acq: 19 Aug 2020 02:13

Instrument :
MSVOA_D
ClientSampleId :
VD0818SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.4	12.0	18.0#
70	9.9	9.7	14.5

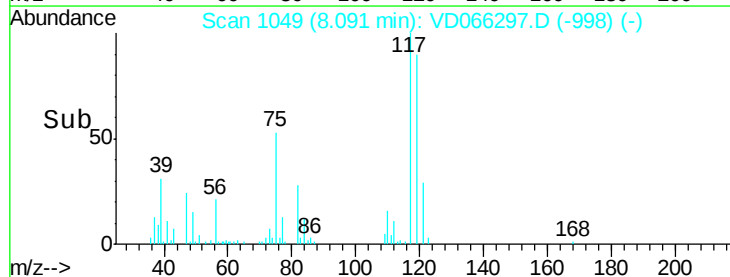
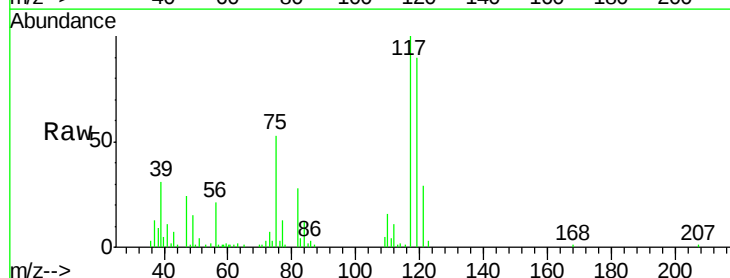
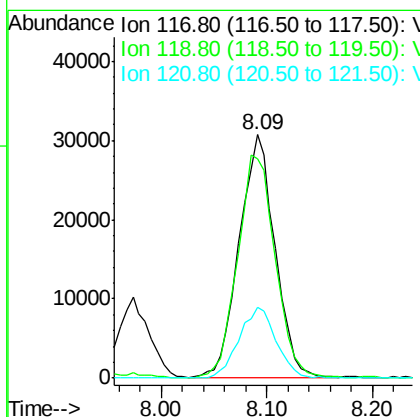
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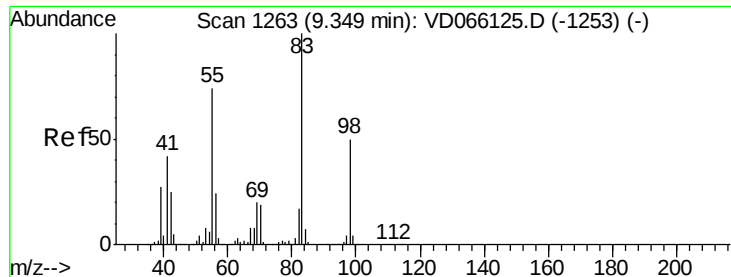
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#38
Carbon Tetrachloride
Concen: 21.193 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VD066297.D
Acq: 19 Aug 2020 02:13

Tgt Ion	Ratio	Lower	Upper
117	100		
119	90.1	81.0	121.4
121	29.2	24.8	37.2





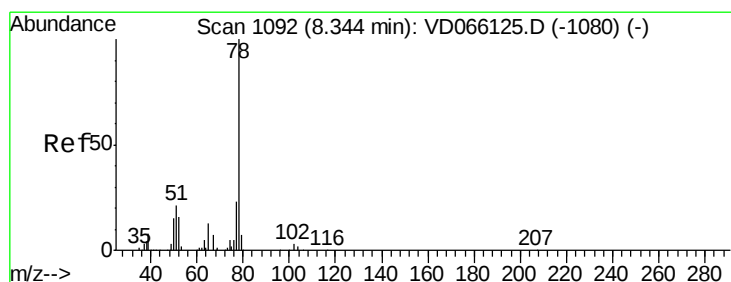
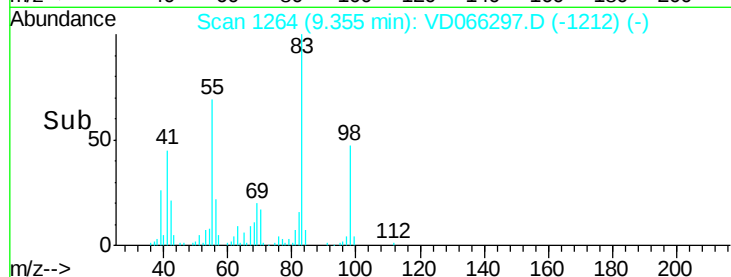
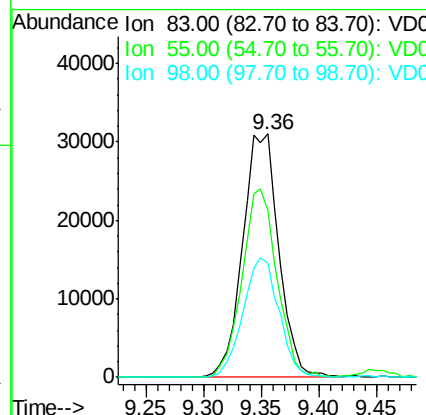
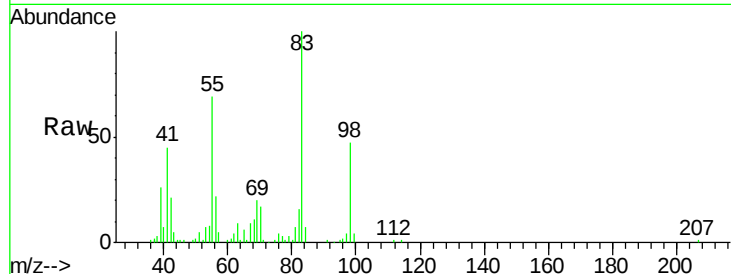
#39
Methvlcvclohexane
Concen: 18.205 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.01 min
Lab File: VD066297.D
Acq: 19 Aug 2020 02:13

Instrument :
MSVOA_D
ClientSampleId :
VD0818SBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	68.7	59.2	88.8
98	47.0	39.8	59.6

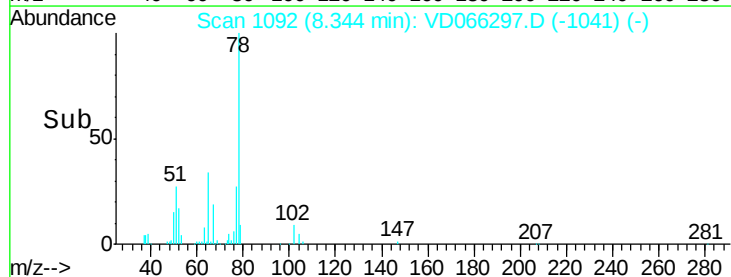
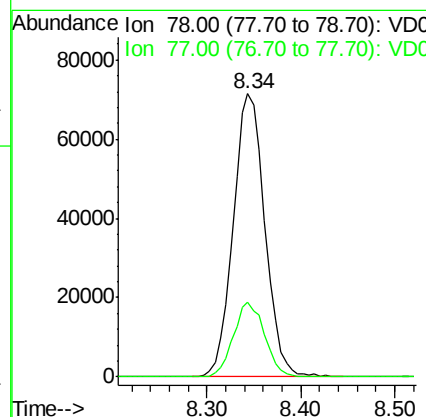
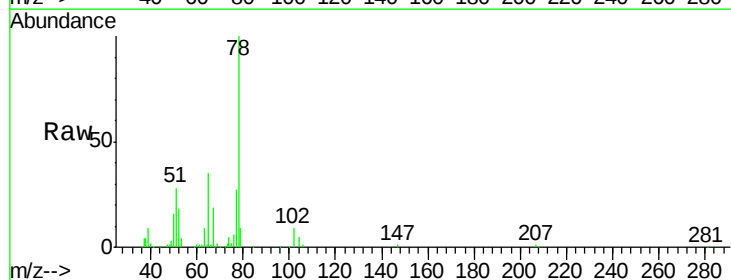
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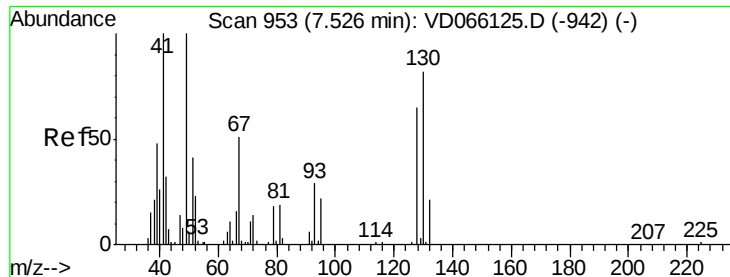
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#40
Benzene
Concen: 19.572 ug/l
RT: 8.34 min Scan# 1092
Delta R.T. 0.00 min
Lab File: VD066297.D
Acq: 19 Aug 2020 02:13

Tgt Ion	Ratio	Lower	Upper
78	100		
77	26.6	18.6	27.8





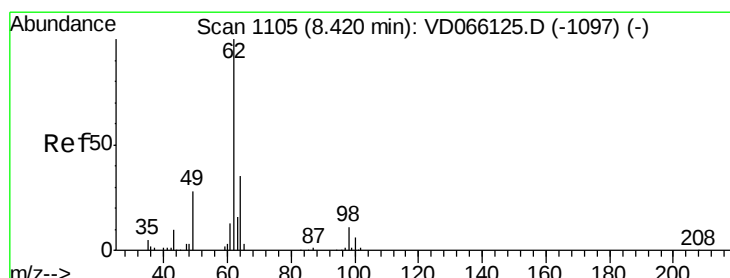
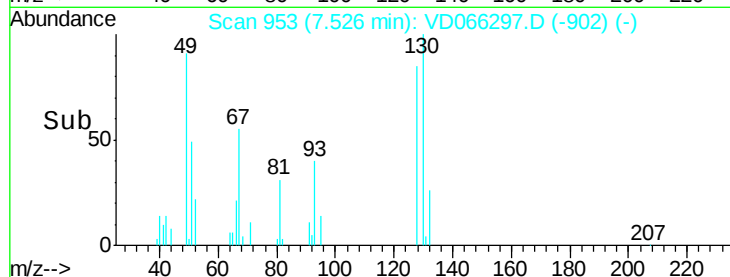
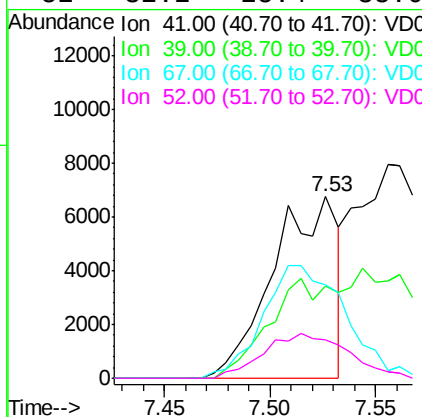
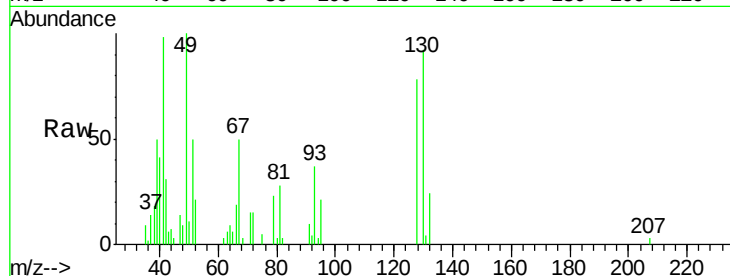
#41
Methacrylonitrile
Concen: 20.039 ug/l
RT: 7.53 min Scan# 953
Delta R.T. 0.00 min
Lab File: VD066297.D
Acq: 19 Aug 2020 02:13

Instrument :
MSVOA_D
ClientSampleId :
VD0818SBS02

Tot Ion	41	Resp	14349
Ion	Ratio	Lower	Upper
41	100		
39	39.7	47.5	71.3#
67	78.9	59.1	88.7
52	32.2	25.4	38.0

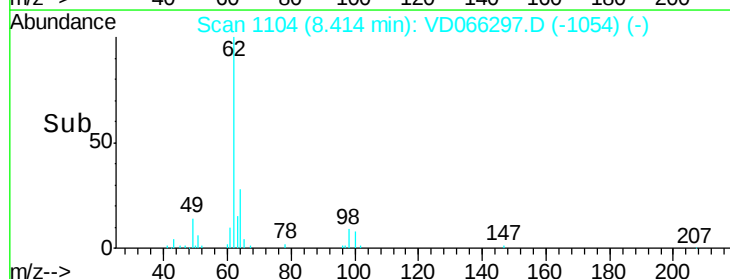
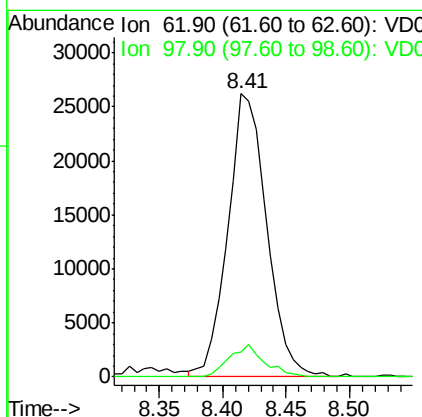
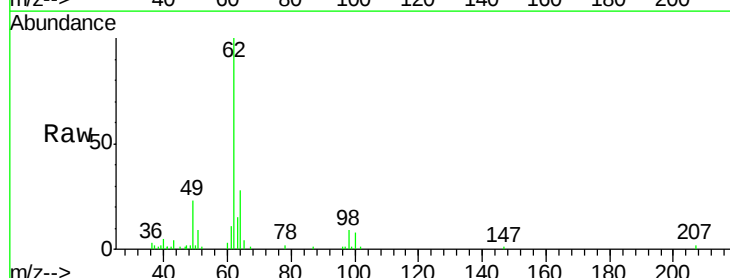
Manual Integrations
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#42
1,2-Dichloroethane
Concen: 22.220 ug/l
RT: 8.41 min Scan# 1104
Delta R.T. -0.01 min
Lab File: VD066297.D
Acq: 19 Aug 2020 02:13

Tgt Ion	62	Resp	55659
Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	20.4





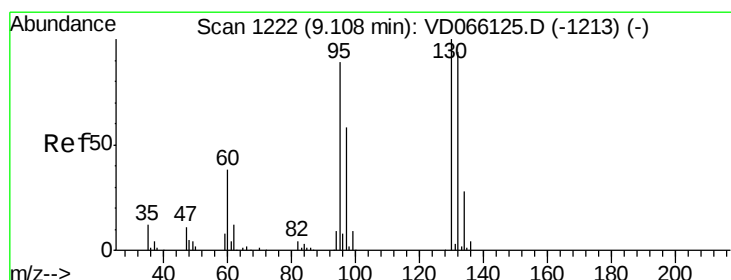
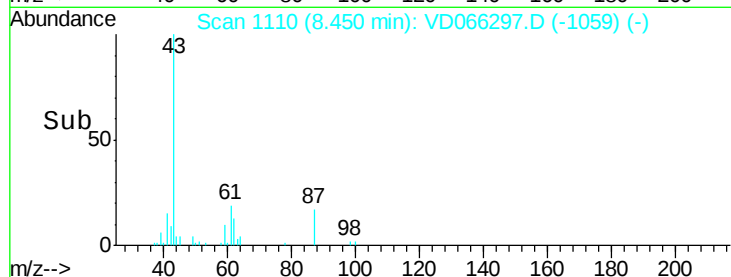
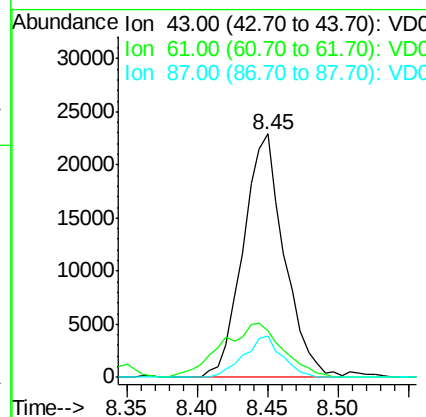
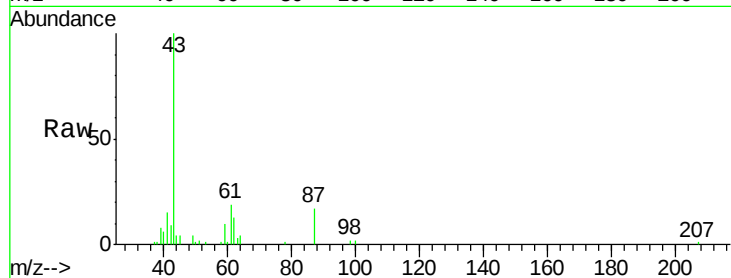
#43
Isopropyl Acetate
Concen: 19.422 ug/l
RT: 8.45 min Scan# 1110
Delta R.T. 0.00 min
Lab File: VD066297.D
Acq: 19 Aug 2020 02:13

Instrument :
MSVOA_D
ClientSampleId :
VD0818SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	33.0	25.5	38.3
87	15.6	11.2	16.8

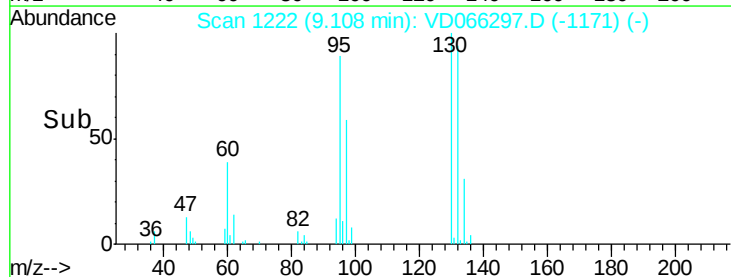
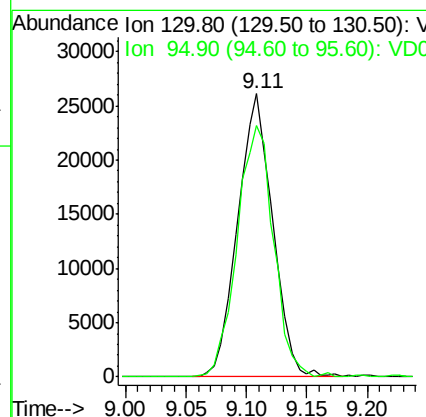
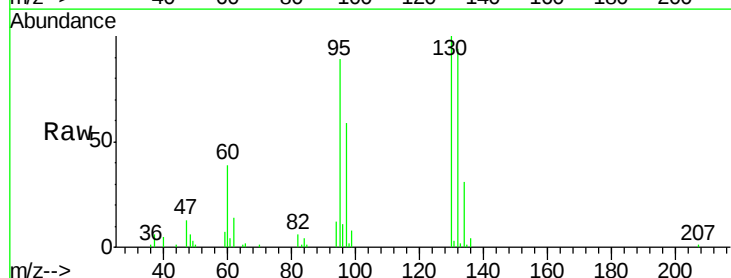
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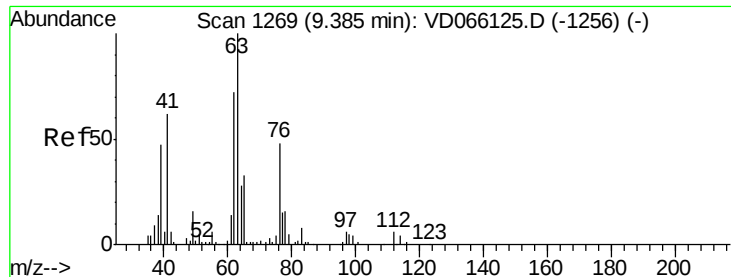
MMDadoda
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#44
Trichloroethene
Concen: 20.514 ug/l
RT: 9.11 min Scan# 1222
Delta R.T. 0.00 min
Lab File: VD066297.D
Acq: 19 Aug 2020 02:13

Tgt Ion	Ratio	Lower	Upper
130	100		
95	88.9	0.0	178.4





#45

1,2-Dichloropropane

Concen: 19.599 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VD066297.D

Acq: 19 Aug 2020 02:13

Instrument :

MSVOA_D

ClientSampleId :

VD0818SBS02

Tot Ion: 63 Resp: 40873

Ion Ratio Lower Upper

63 100

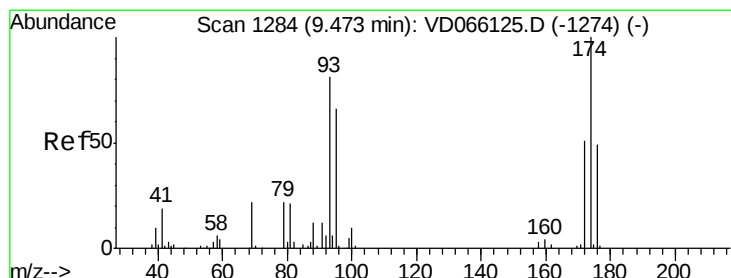
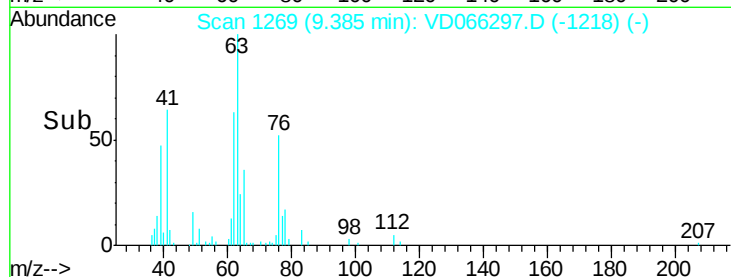
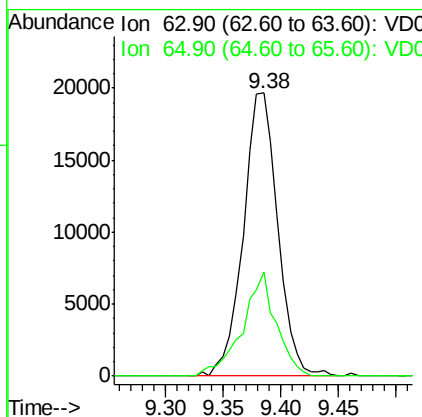
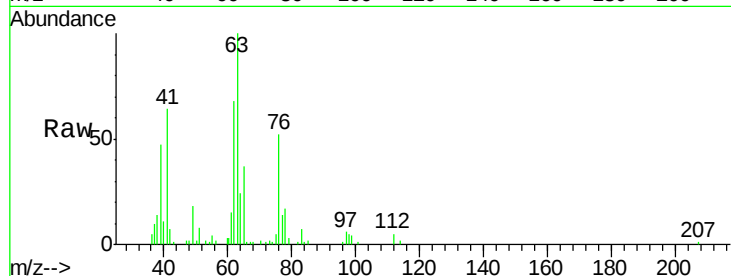
65 36.6 26.5 39.7

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#46

Dibromomethane

Concen: 21.162 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VD066297.D

Acq: 19 Aug 2020 02:13

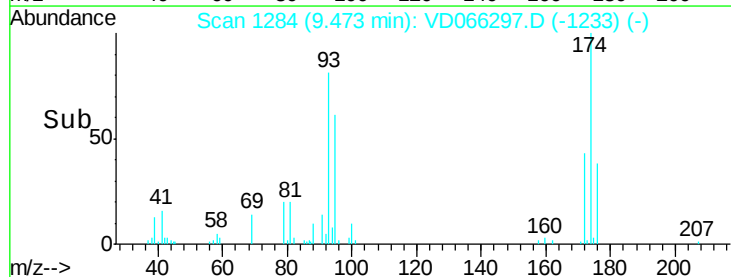
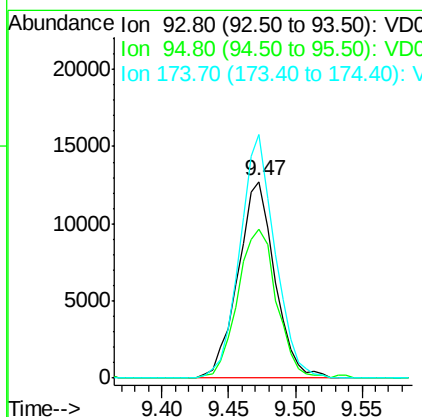
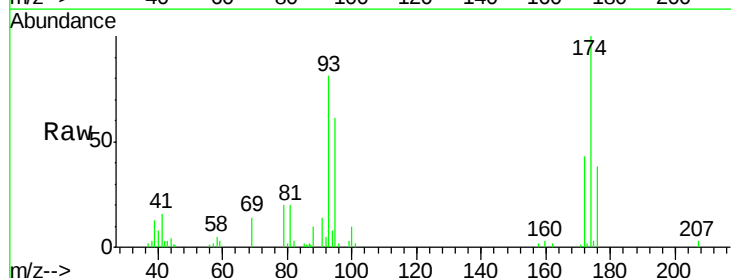
Tgt Ion: 93 Resp: 24309

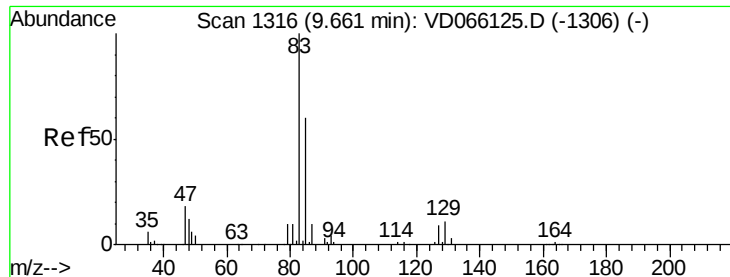
Ion Ratio Lower Upper

93 100

95 79.8 65.8 98.6

174 118.3 92.8 139.2





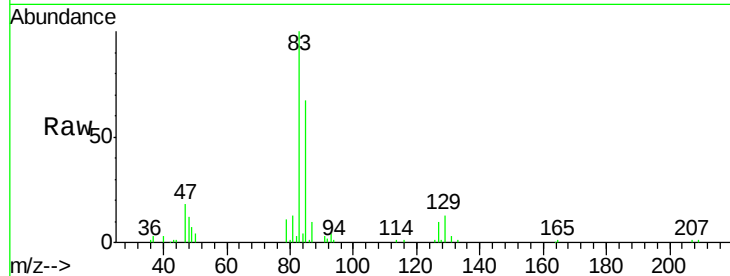
#47
Bromodichloromethane
Concen: 21.178 ug/l
RT: 9.66 min Scan# 1315
Delta R.T. -0.01 min
Lab File: VD066297.D
Acq: 19 Aug 2020 02:13

Instrument :
MSVOA_D
ClientSampleId :
VD0818SBSD02

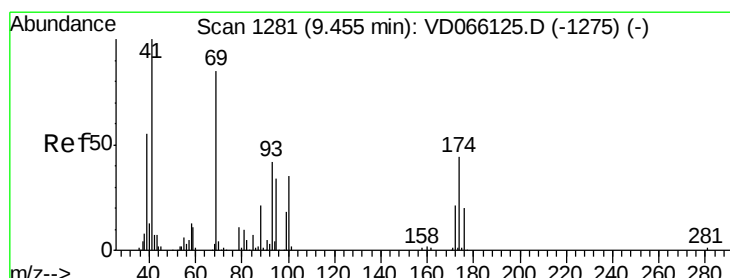
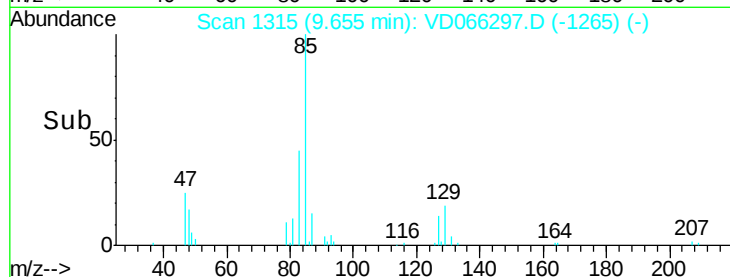
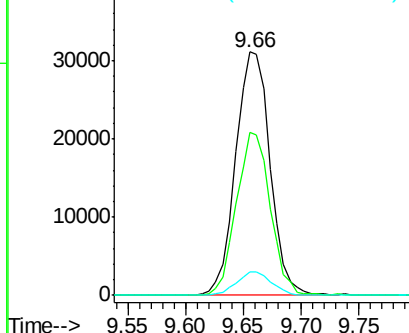
Tot Ion	83	Resp	64296
Ion Ratio	100	Lower	Upper
83	100		
85	66.7	48.2	72.4
127	9.6	7.3	10.9

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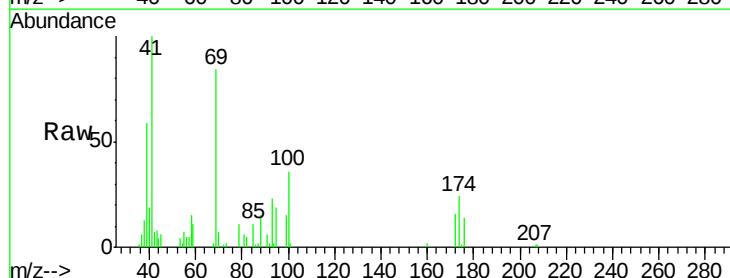


Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): V

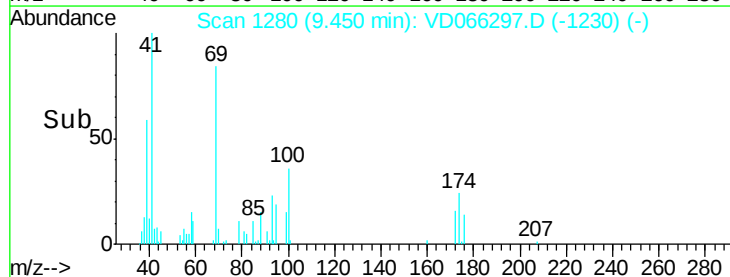
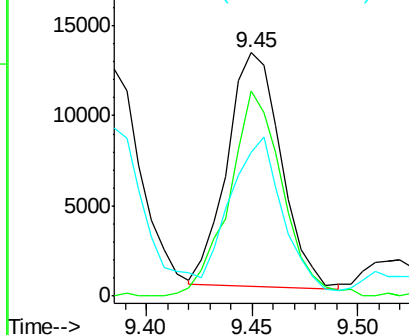


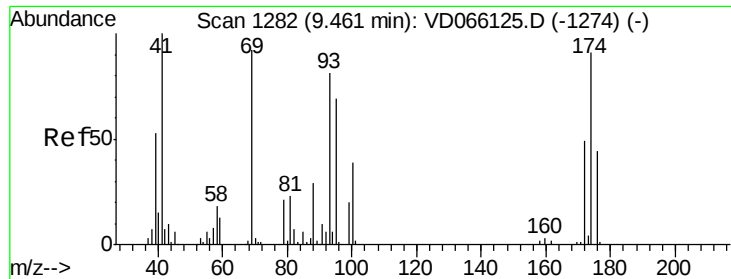
#48
Methyl methacrylate
Concen: 18.718 ug/l
RT: 9.45 min Scan# 1280
Delta R.T. -0.01 min
Lab File: VD066297.D
Acq: 19 Aug 2020 02:13

Tgt Ion	41	Resp	22934
Ion Ratio	100	Lower	Upper
41	100		
69	86.8	63.9	95.9
39	68.2	42.6	64.0#



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





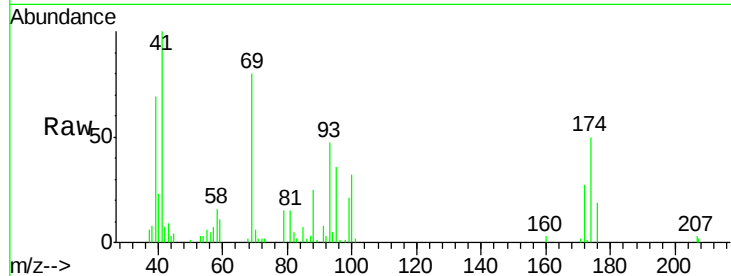
#49
1,4-Dioxane
Concen: 386.232 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VD066297.D
Acq: 19 Aug 2020 02:13

Instrument :
MSVOA_D
ClientSampleId :
VD0818SBSD02

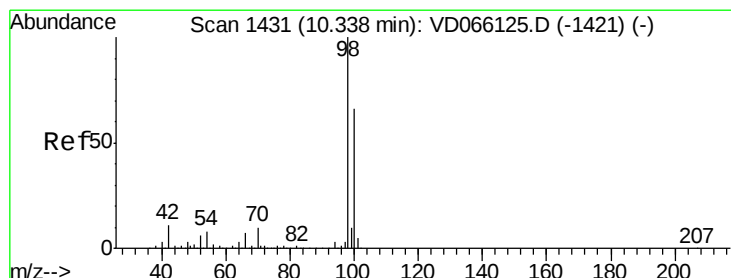
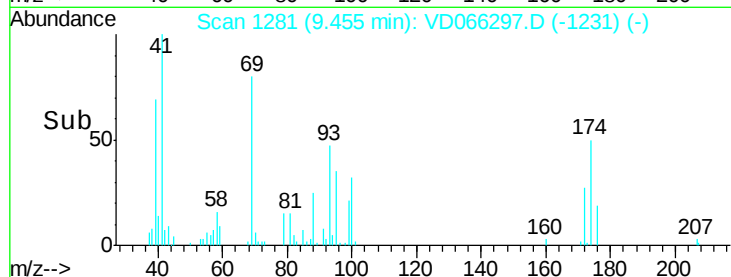
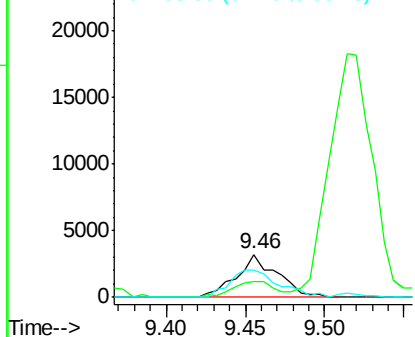
Tot Ion	Ratio	Lower	Upper
88	100		
43	40.3	27.5	41.3
58	77.6	50.2	75.4

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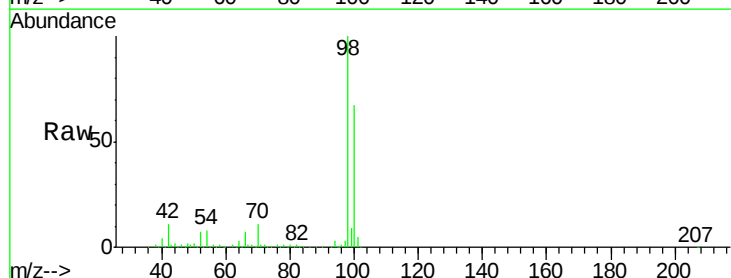


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

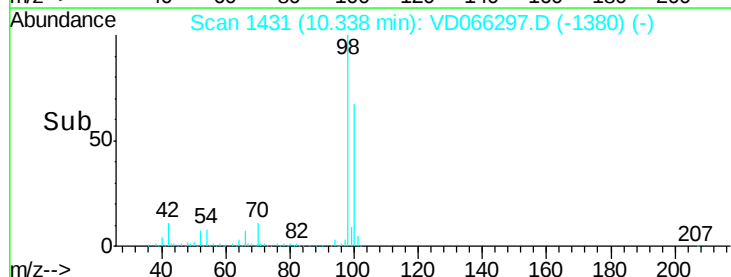
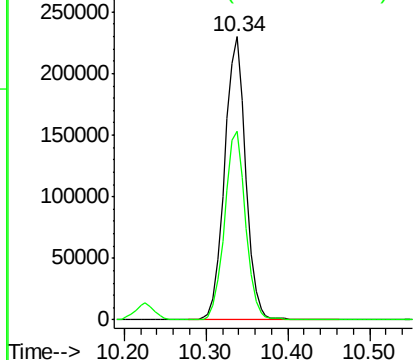


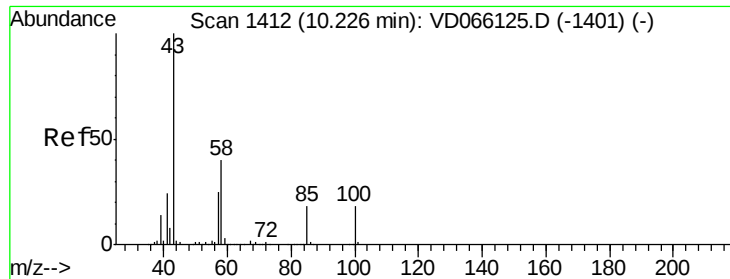
#50
Toluene-d8
Concen: 53.782 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066297.D
Acq: 19 Aug 2020 02:13

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.1	52.6	78.8



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC





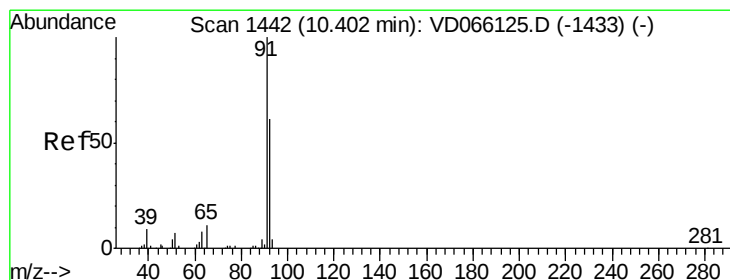
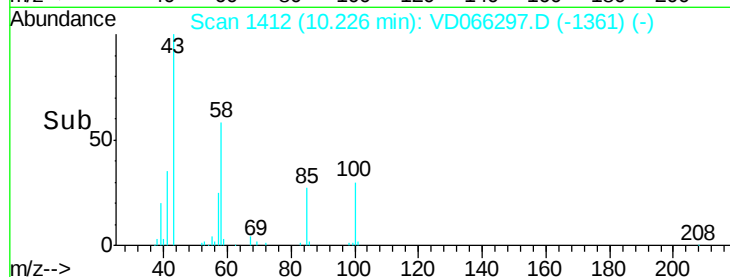
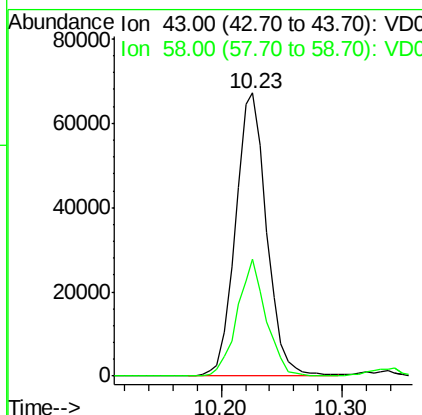
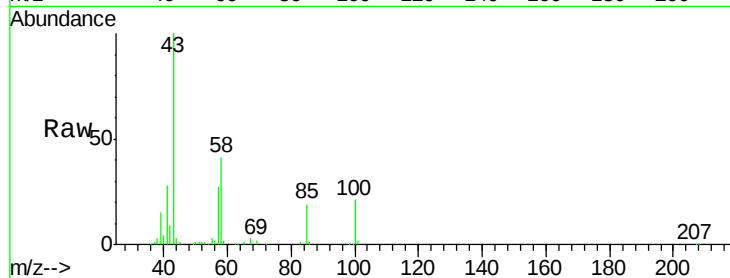
#51
4-Methyl-2-Pentanone
Concen: 97.797 ug/l
RT: 10.23 min Scan# 1412
Delta R.T. 0.00 min
Lab File: VD066297.D
Acq: 19 Aug 2020 02:13

Instrument :
MSVOA_D
ClientSampleId :
VD0818SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.3	31.1	46.7

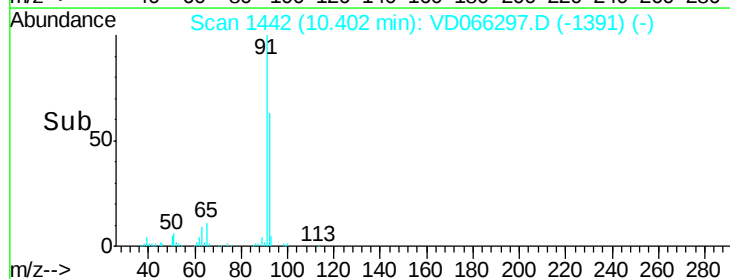
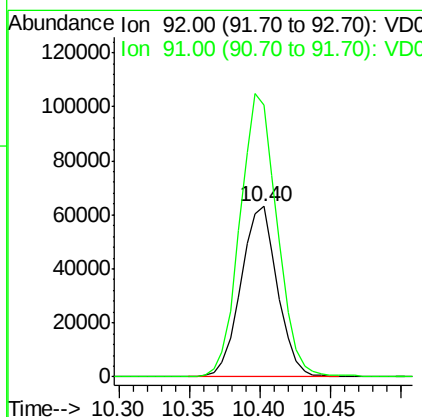
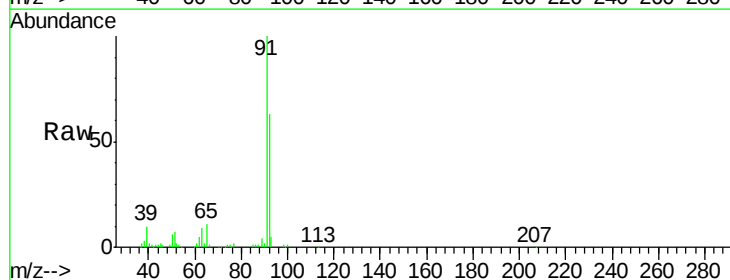
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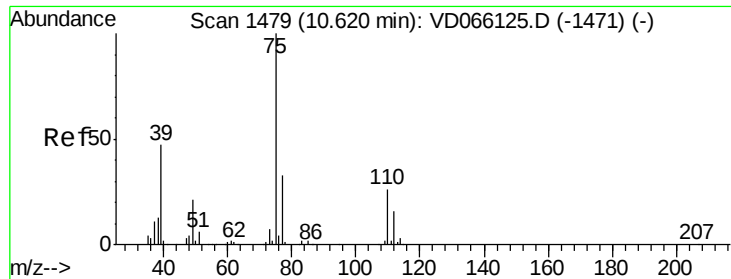
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#52
Toluene
Concen: 20.355 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. 0.00 min
Lab File: VD066297.D
Acq: 19 Aug 2020 02:13

Tgt Ion	Ratio	Lower	Upper
92	100		
91	169.2	135.2	202.8





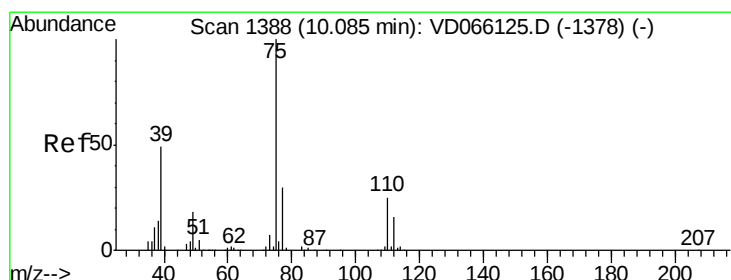
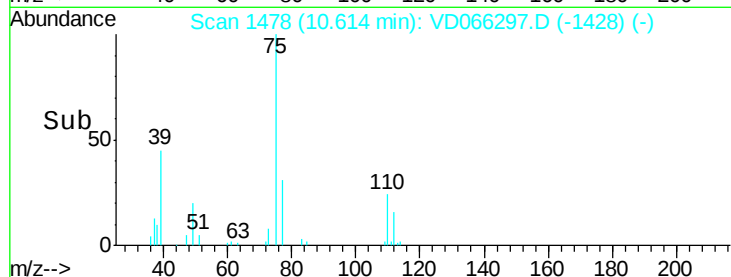
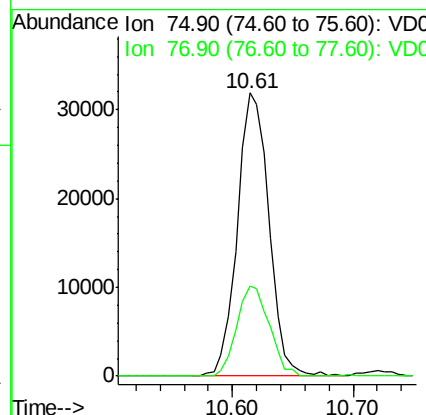
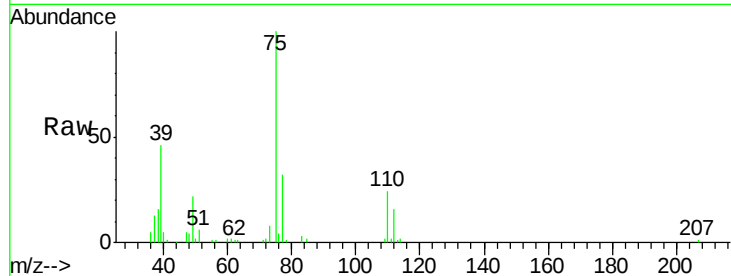
#53
 t-1,3-Dichloropropene
 Concen: 20.234 ug/l
 RT: 10.61 min Scan# 1478
 Delta R.T. -0.01 min
 Lab File: VD066297.D
 Acq: 19 Aug 2020 02:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0818SBS02

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.7	26.2	39.2

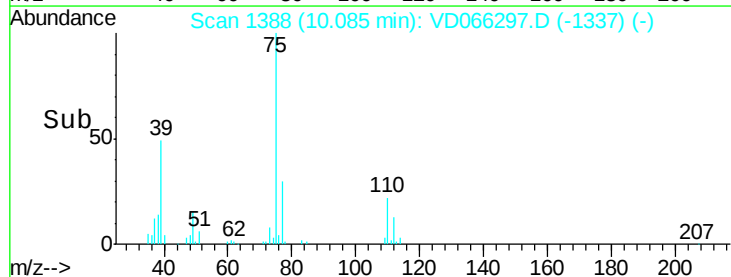
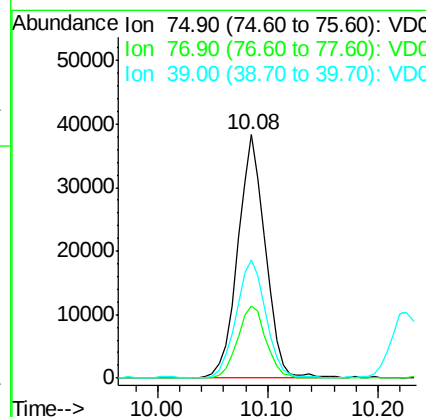
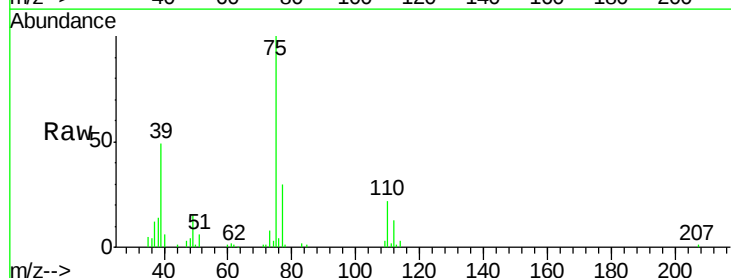
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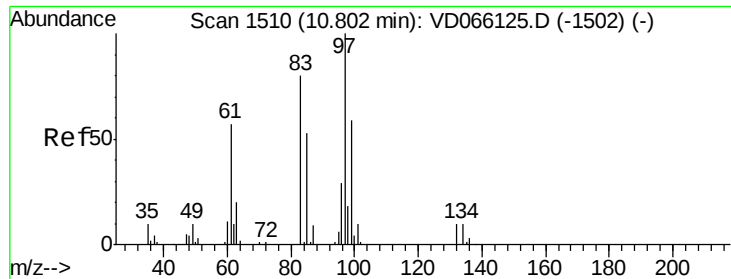
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#54
 cis-1,3-Dichloropropene
 Concen: 19.869 ug/l
 RT: 10.08 min Scan# 1388
 Delta R.T. 0.00 min
 Lab File: VD066297.D
 Acq: 19 Aug 2020 02:13

Tgt Ion	Ratio	Lower	Upper
75	100		
77	29.7	24.3	36.5
39	48.7	39.3	58.9





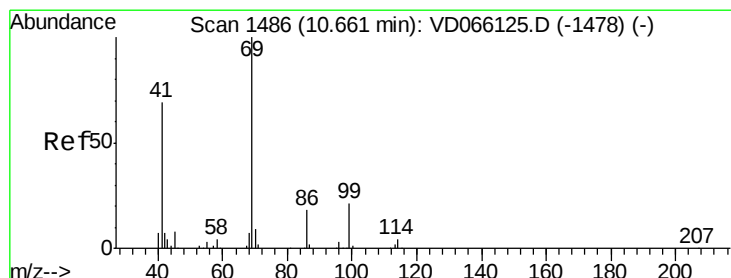
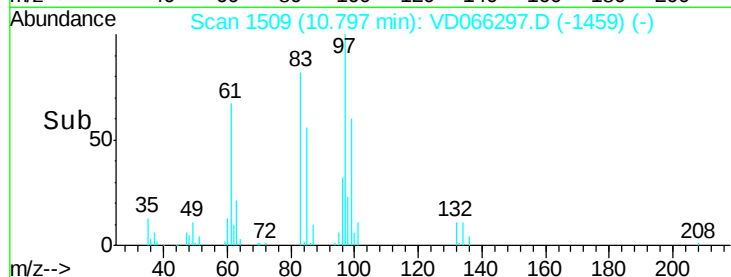
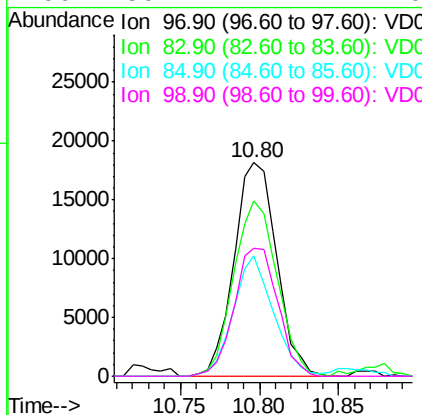
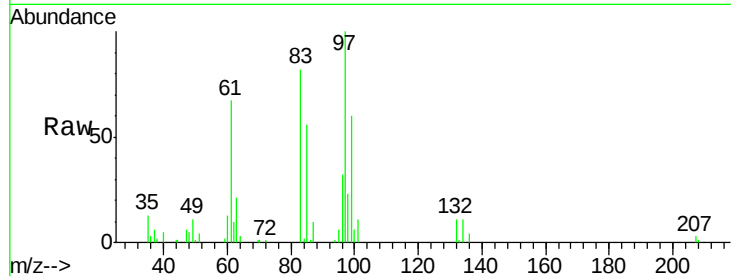
#55
 1,1,2-Trichloroethane
 Concen: 20.544 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VD066297.D
 Acq: 19 Aug 2020 02:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0818SBS02

Tot Ion:	97	Resp:	33982
Ion	Ratio	Lower	Upper
97	100		
83	82.4	63.9	95.9
85	56.3	42.5	63.7
99	59.7	47.4	71.0

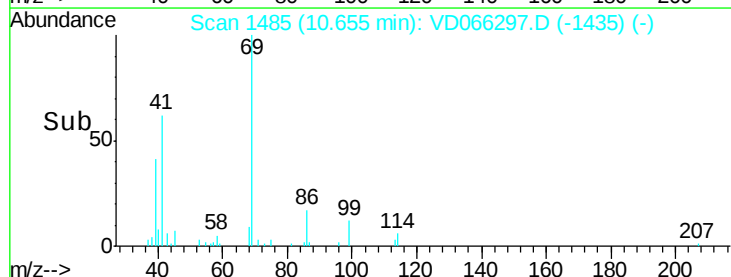
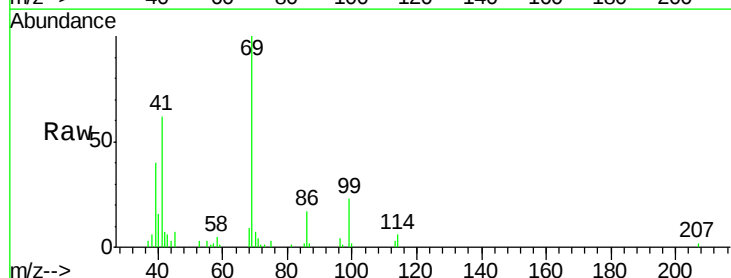
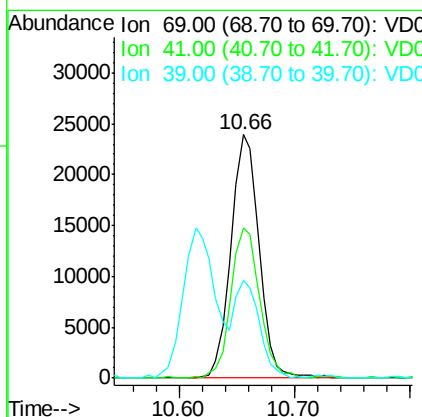
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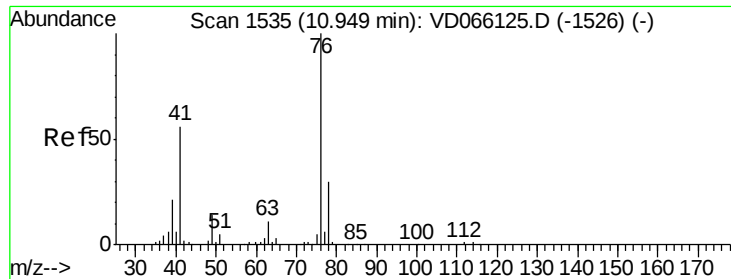
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#56
 Ethyl methacrylate
 Concen: 20.333 ug/l
 RT: 10.66 min Scan# 1485
 Delta R.T. -0.01 min
 Lab File: VD066297.D
 Acq: 19 Aug 2020 02:13

Tgt Ion:	69	Resp:	40402
Ion	Ratio	Lower	Upper
69	100		
41	63.2	54.1	81.1
39	34.5	28.6	43.0





#57

1,3-Dichloropropane

Concen: 20.856 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. -0.01 min

Lab File: VD066297.D

Acq: 19 Aug 2020 02:13

Instrument :

MSVOA_D

ClientSampleId :

VD0818SBS02

Tot Ion: 76 Resp: 57270

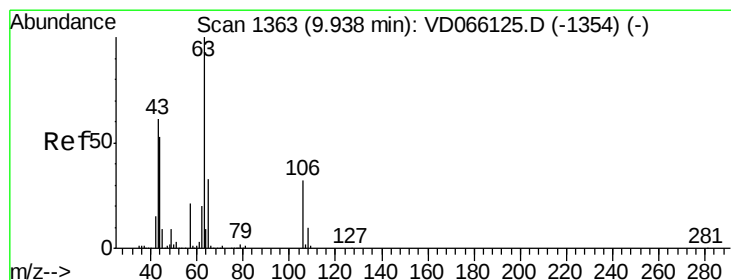
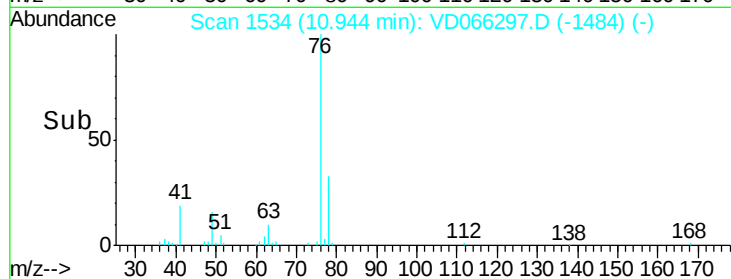
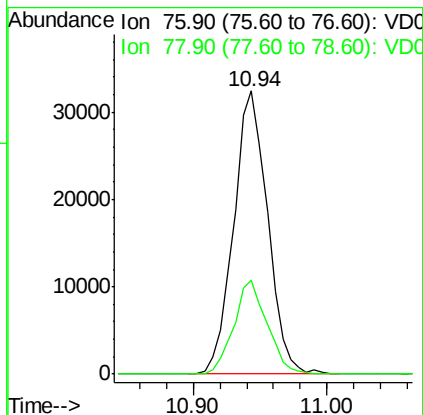
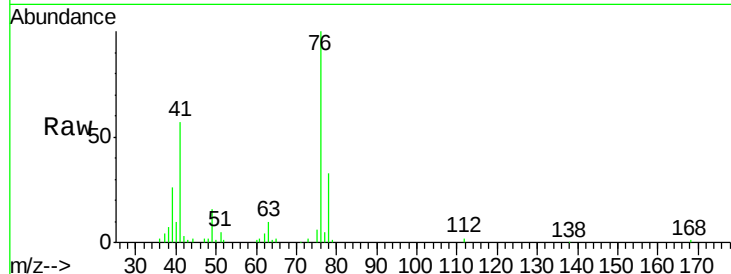
Ion Ratio Lower Upper

76 100

78 32.3 25.5 38.3

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#58

2-Chloroethyl Vinyl ether

Concen: 108.821 ug/l

RT: 9.94 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VD066297.D

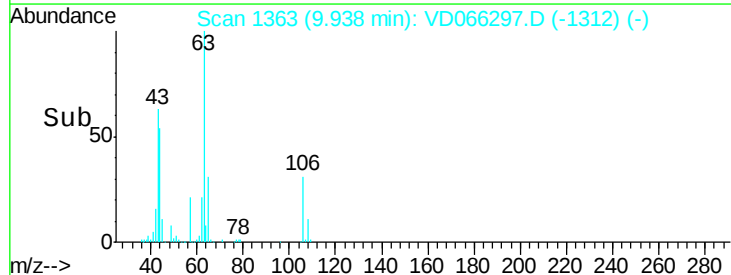
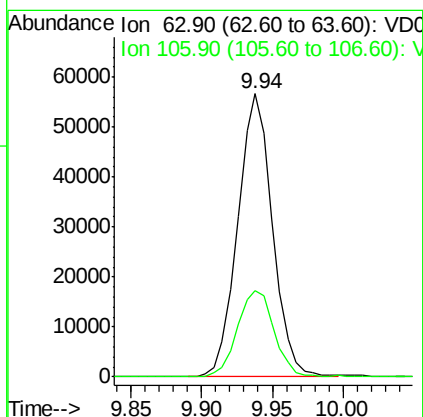
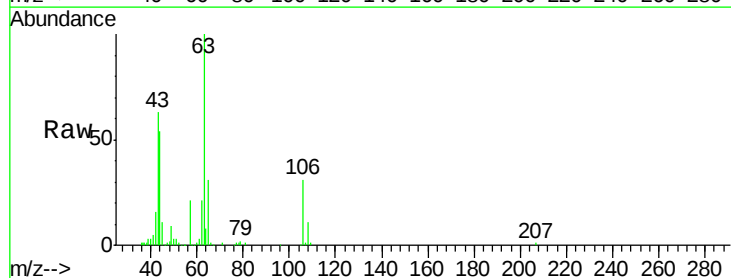
Acq: 19 Aug 2020 02:13

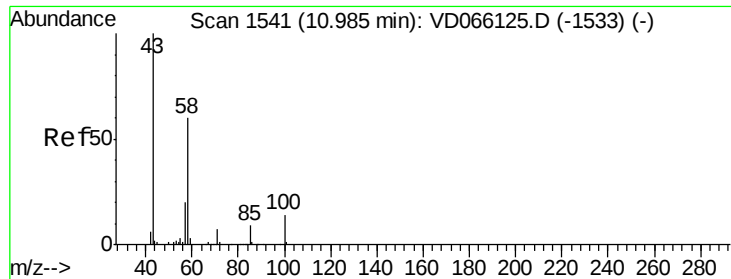
Tgt Ion: 63 Resp: 97263

Ion Ratio Lower Upper

63 100

106 32.4 25.3 37.9





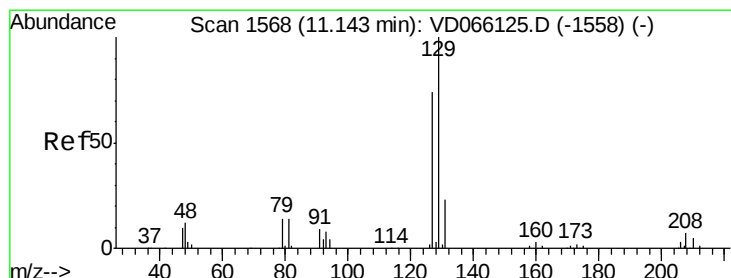
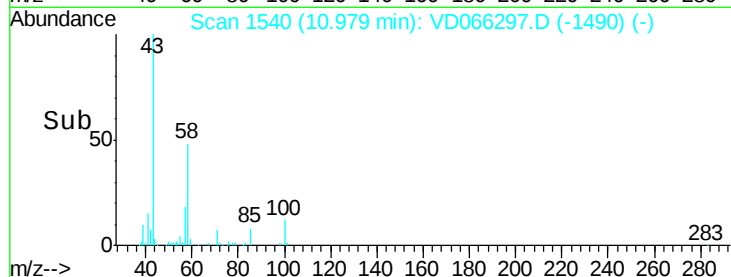
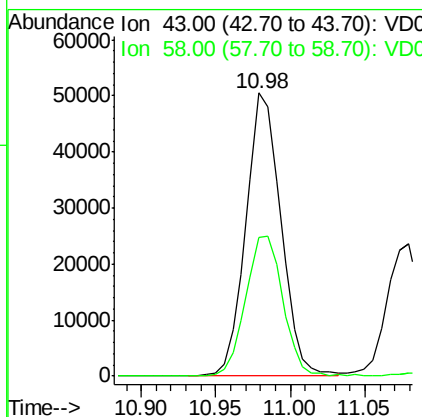
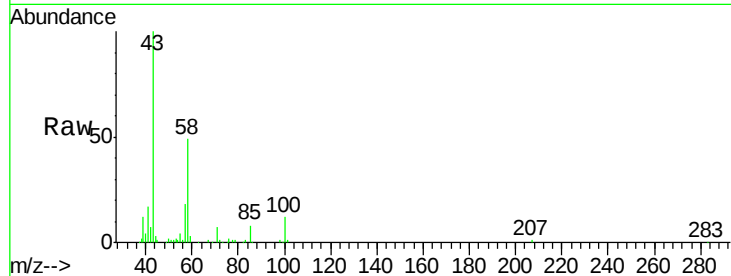
#59
2-Hexanone
Concen: 95.041 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.01 min
Lab File: VD066297.D
Acq: 19 Aug 2020 02:13

Instrument :
MSVOA_D
ClientSampleId :
VD0818SBSD02

Tot Ion: 43 Resp: 82212
Ion Ratio Lower Upper
43 100
58 52.4 27.8 83.4

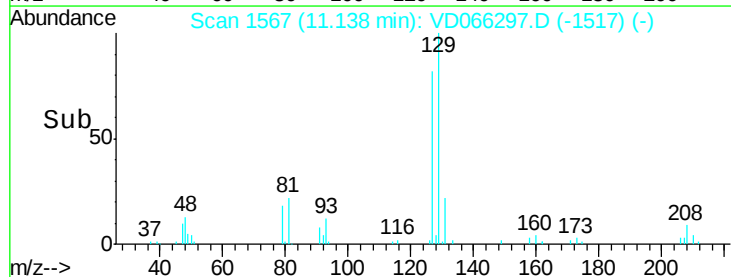
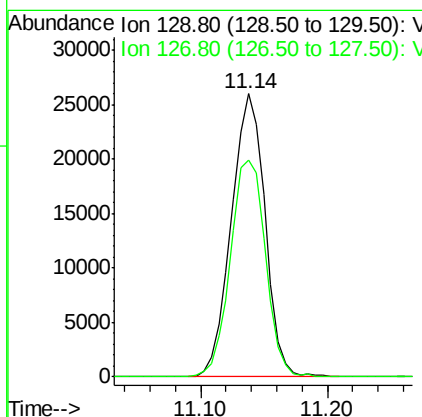
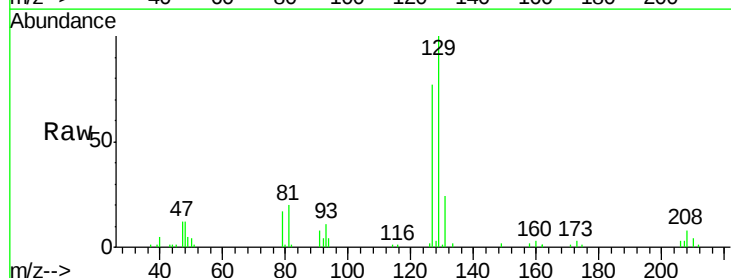
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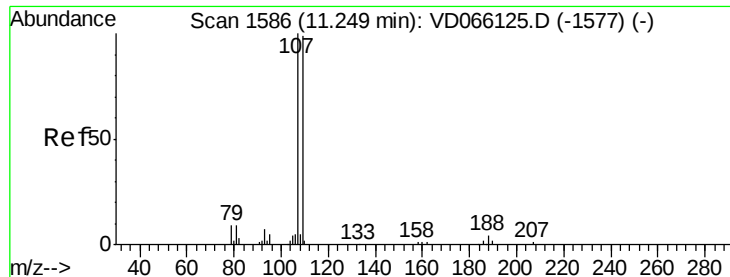
MMDadoda
8/19/2020 5:23:36 PM



#60
Dibromochloromethane
Concen: 20.949 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VD066297.D
Acq: 19 Aug 2020 02:13

Tgt Ion: 129 Resp: 47839
Ion Ratio Lower Upper
129 100
127 79.7 38.0 114.1





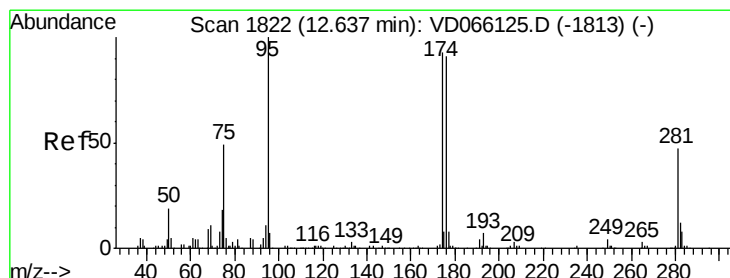
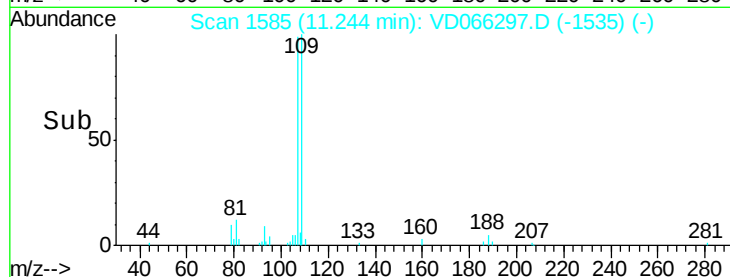
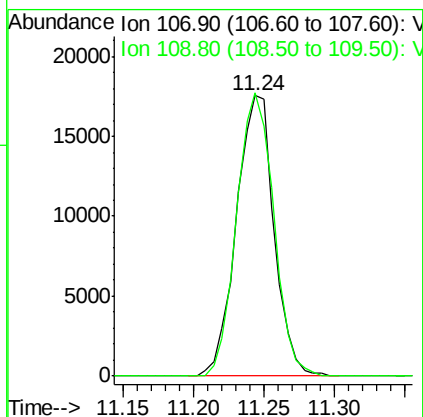
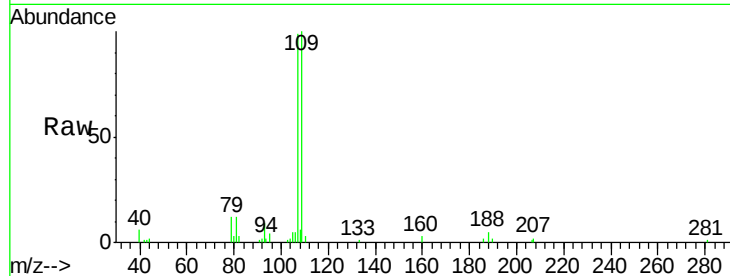
#61
 1,2-Dibromoethane
 Concen: 20.560 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.01 min
 Lab File: VD066297.D
 Acq: 19 Aug 2020 02:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0818SBSD02

Tot Ion	Ratio	Lower	Upper
107	100		
109	99.4	76.5	114.7

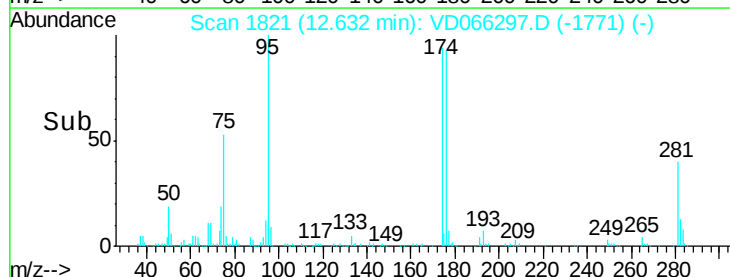
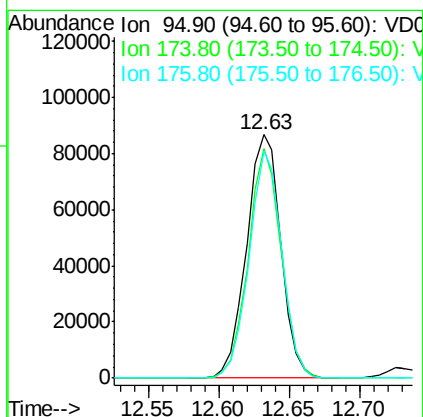
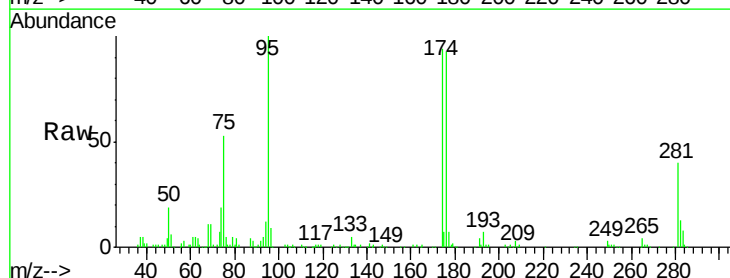
Manual Integrations
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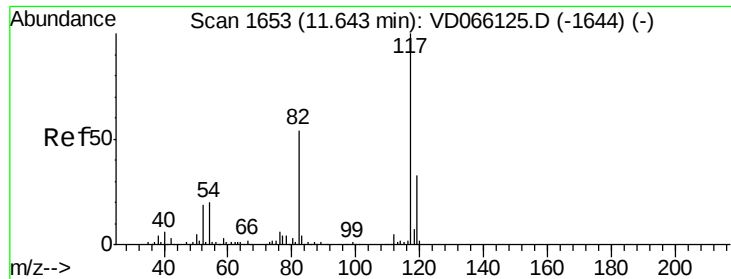
MMDadoda
 8/19/2020 5:23:36 PM



#62
 4-Bromofluorobenzene
 Concen: 53.706 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.01 min
 Lab File: VD066297.D
 Acq: 19 Aug 2020 02:13

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.4	0.0	180.8
176	88.8	0.0	181.2





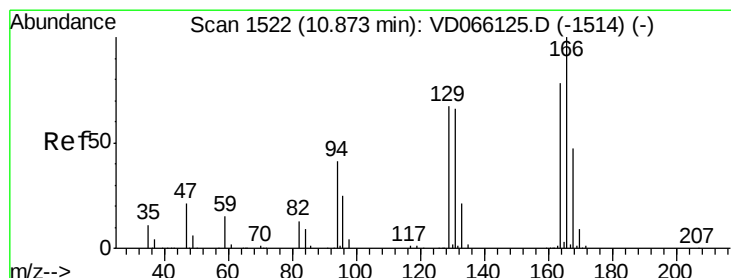
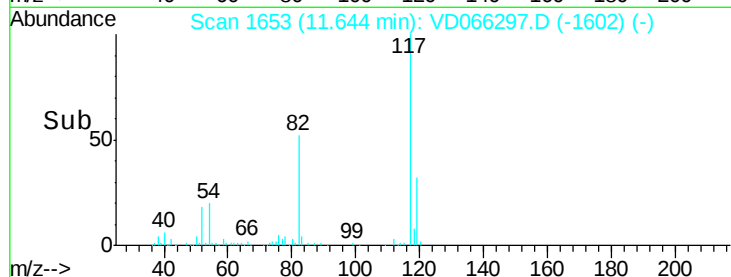
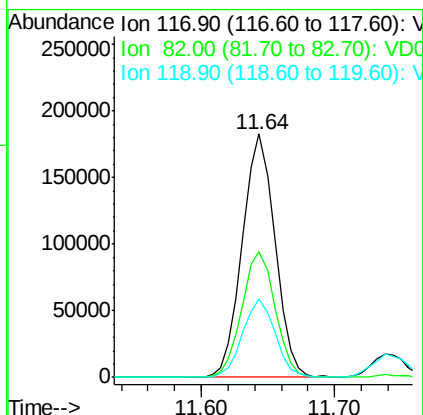
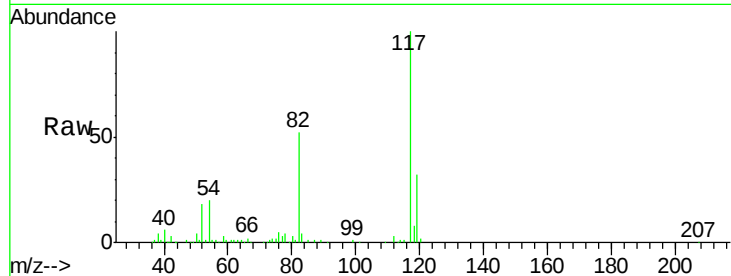
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066297.D
Acq: 19 Aug 2020 02:13

Instrument :
MSVOA_D
ClientSampleId :
VD0818SBS02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	310084		
82	51.7	43.0	64.4	
119	32.5	26.1	39.1	

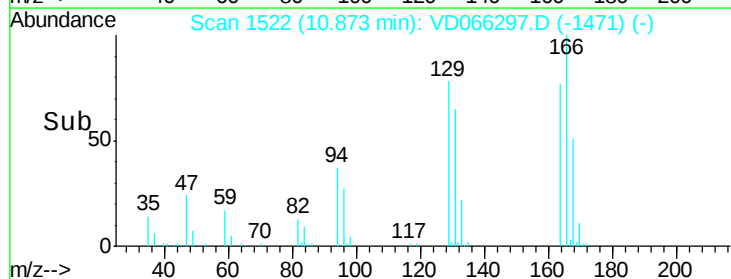
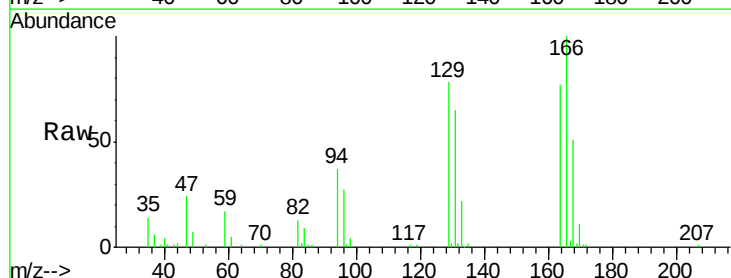
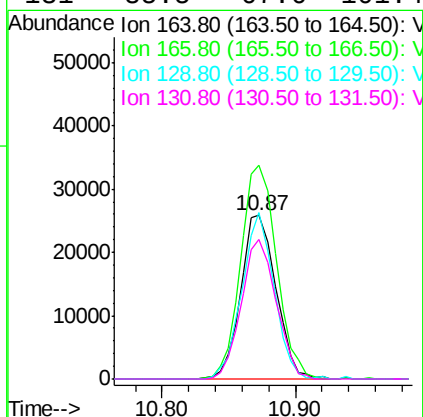
Manual Integrations
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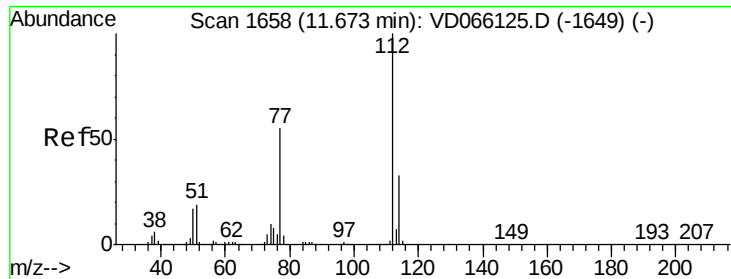
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#64
Tetrachloroethene
Concen: 19.826 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD066297.D
Acq: 19 Aug 2020 02:13

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	47208		
166	130.7	101.9	152.9	
129	101.6	68.1	102.1	
131	85.5	67.6	101.4	





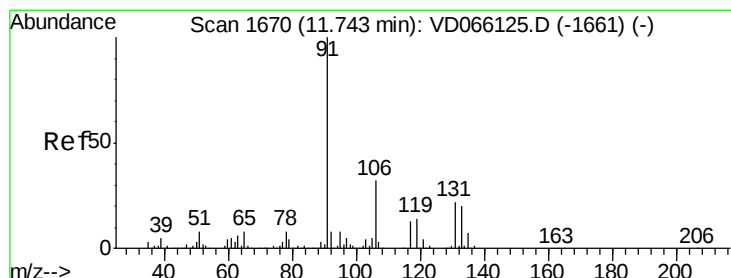
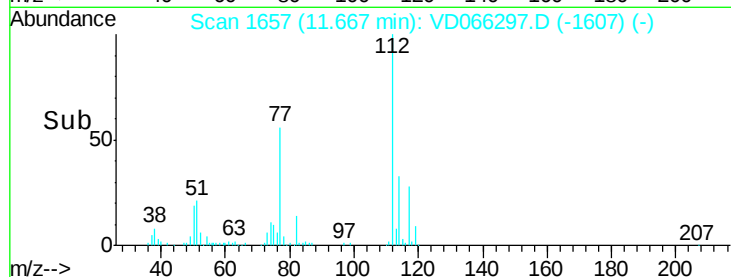
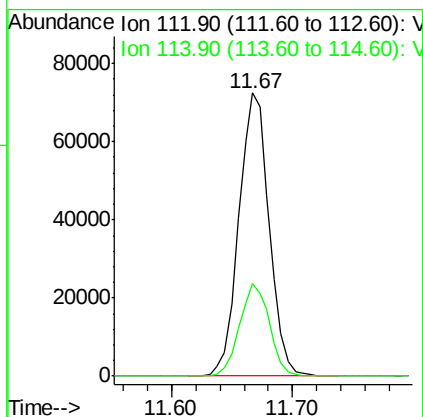
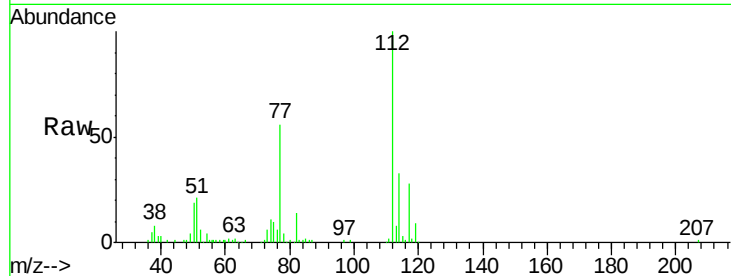
#65
Chlorobenzene
Concen: 20.045 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.01 min
Lab File: VD066297.D
Acq: 19 Aug 2020 02:13

Instrument :
MSVOA_D
ClientSampleId :
VD0818SBSD02

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.8	26.1	39.1

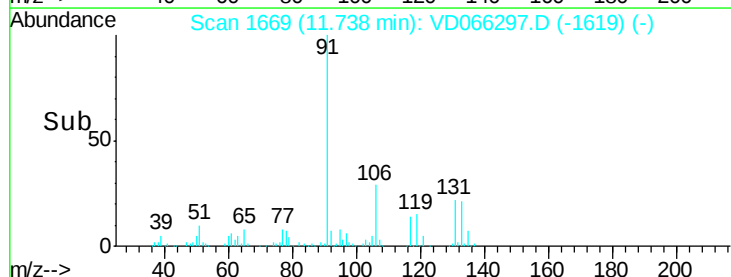
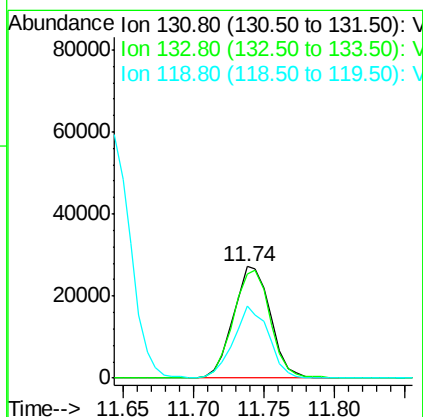
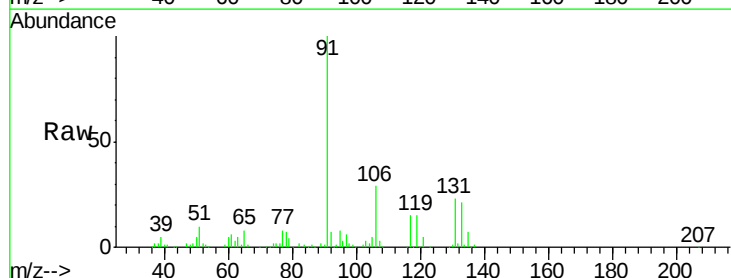
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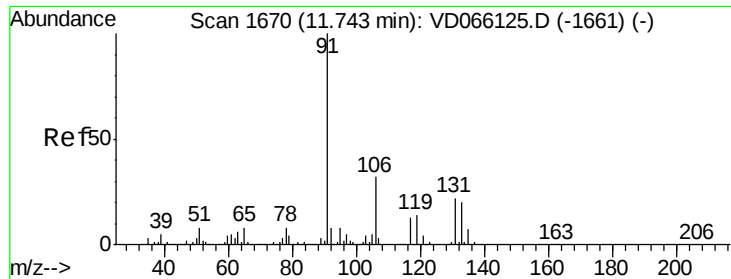
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.322 ug/l
RT: 11.74 min Scan# 1669
Delta R.T. -0.01 min
Lab File: VD066297.D
Acq: 19 Aug 2020 02:13

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.4	47.1	141.4
119	61.1	31.6	94.7





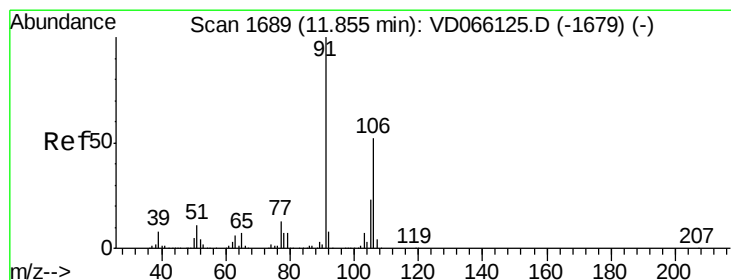
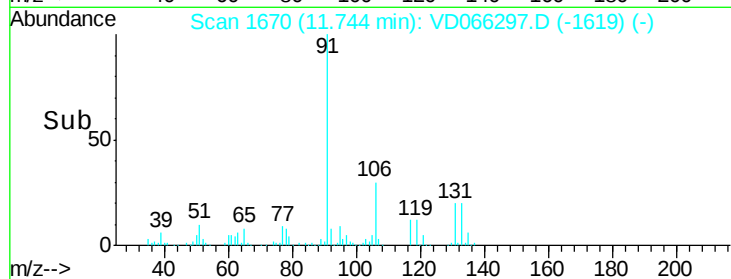
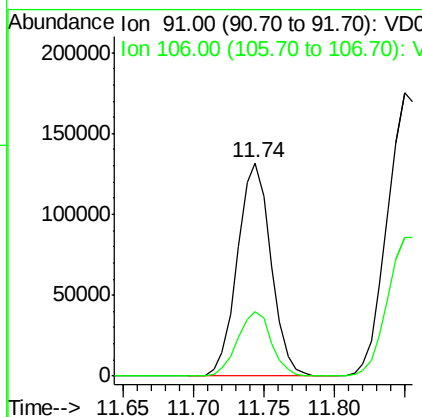
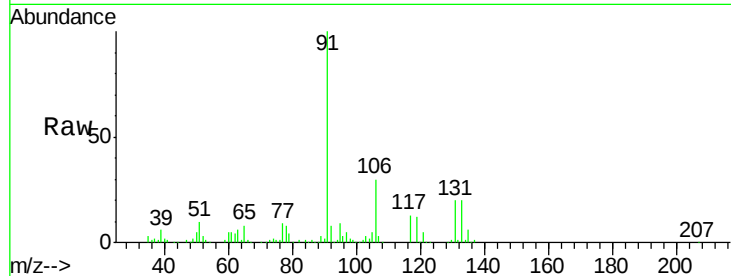
#67
Ethyl Benzene
Concen: 20.109 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066297.D
Acq: 19 Aug 2020 02:13

Instrument :
MSVOA_D
ClientSampleId :
VD0818SBS02

Tot Ion: 91 Resp: 219354
Ion Ratio Lower Upper
91 100
106 30.3 25.7 38.5

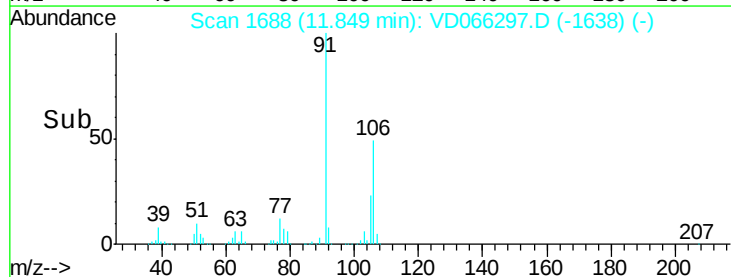
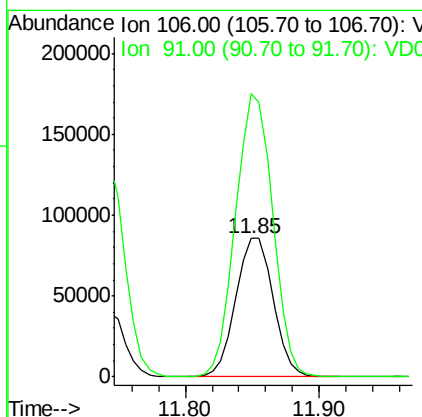
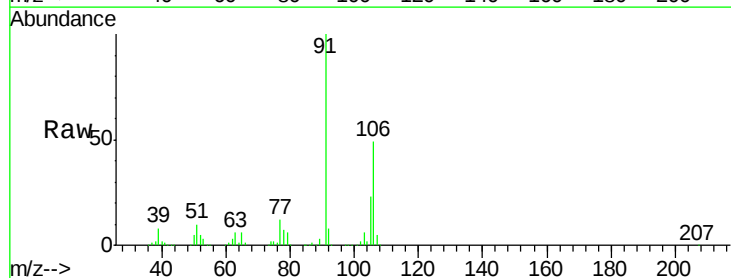
Manual Integrations
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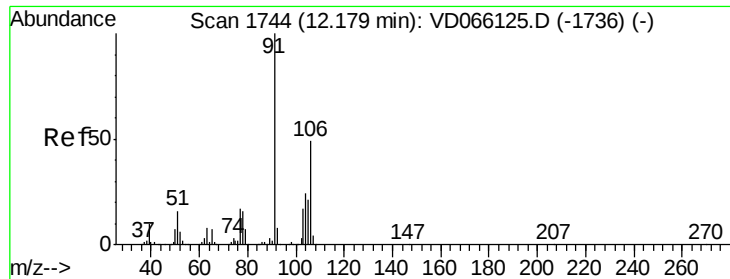
MMDadoda
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#68
m/p-Xylenes
Concen: 39.524 ug/l
RT: 11.85 min Scan# 1688
Delta R.T. -0.01 min
Lab File: VD066297.D
Acq: 19 Aug 2020 02:13

Tgt Ion: 106 Resp: 167043
Ion Ratio Lower Upper
106 100
91 203.2 156.6 235.0





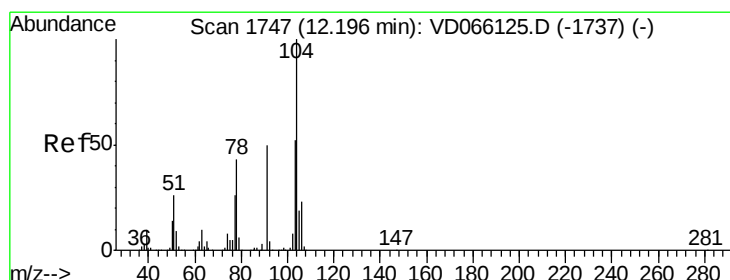
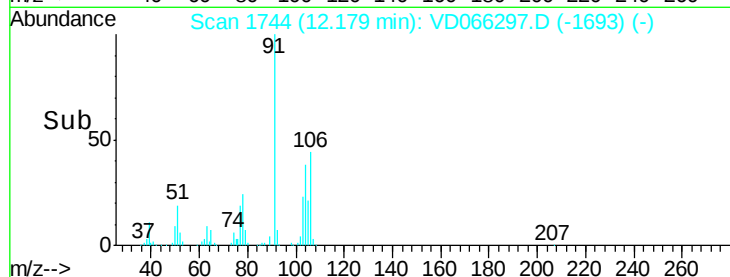
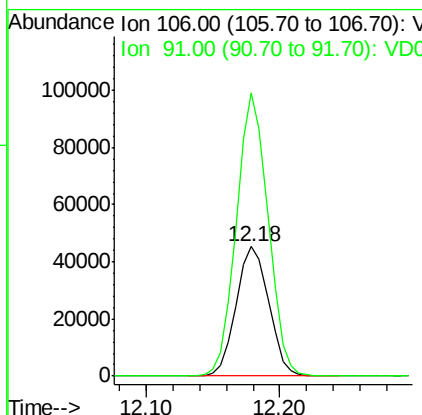
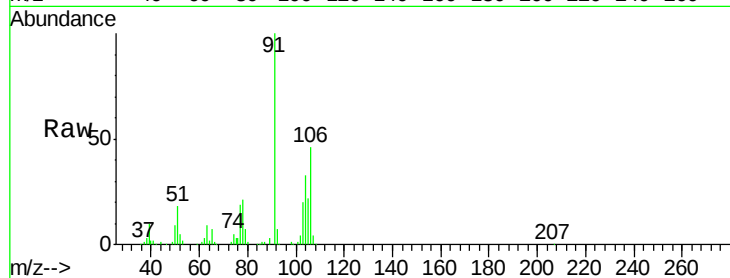
#69
o-Xylene
Concen: 19.901 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD066297.D
Acq: 19 Aug 2020 02:13

Instrument :
MSVOA_D
ClientSampleId :
VD0818SBSD02

Tot Ion:106 Resp: 76511
Ion Ratio Lower Upper
106 100
91 213.0 105.7 317.1

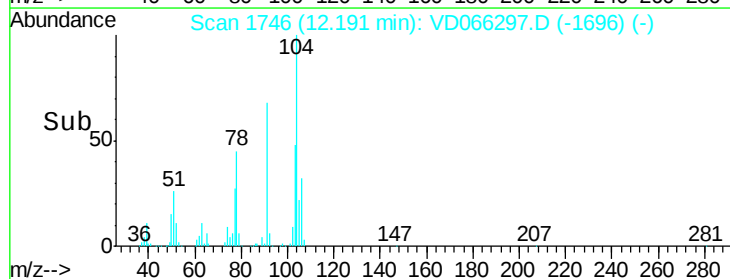
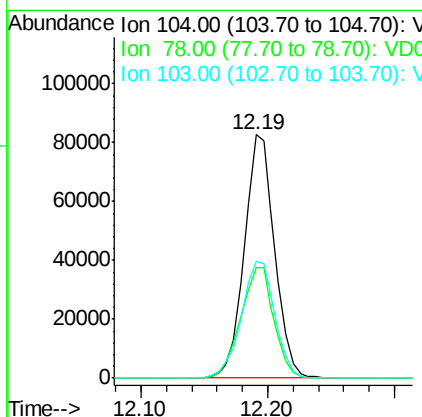
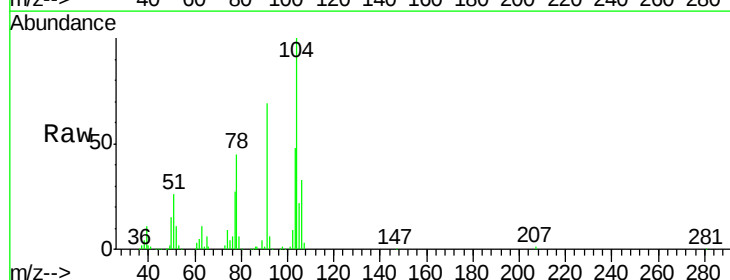
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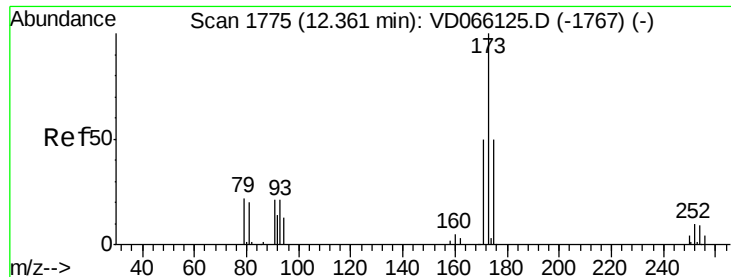
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#70
Styrene
Concen: 20.340 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. -0.01 min
Lab File: VD066297.D
Acq: 19 Aug 2020 02:13

Tgt Ion:104 Resp: 137044
Ion Ratio Lower Upper
104 100
78 49.7 38.6 58.0
103 53.1 44.1 66.1





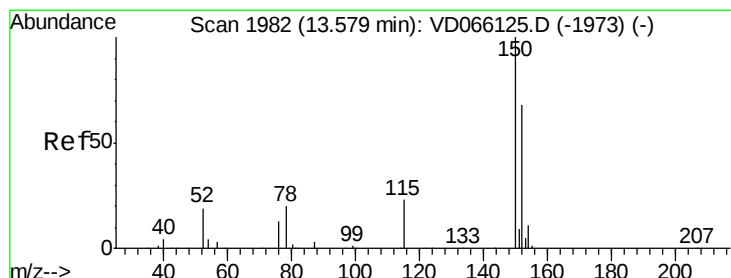
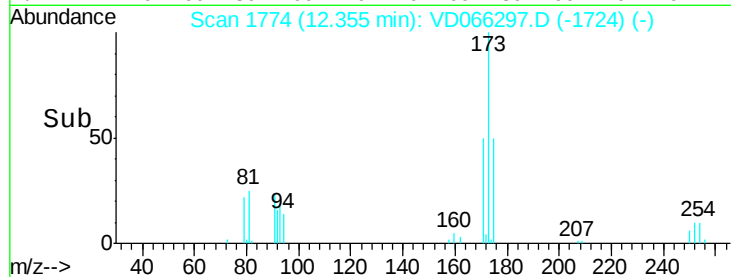
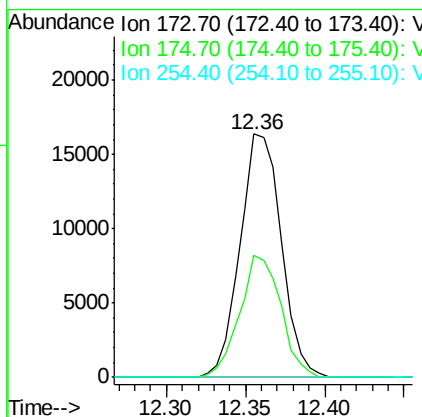
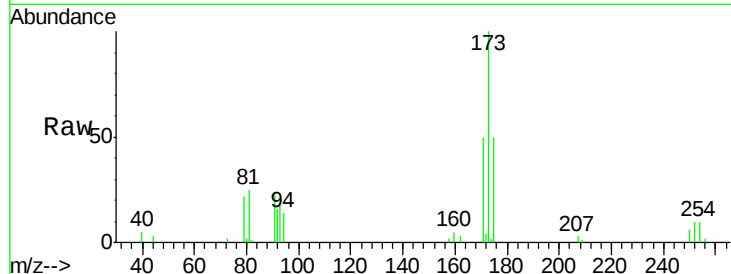
#71
Bromoform
Concen: 20.304 ug/l
RT: 12.36 min Scan# 1774
Delta R.T. -0.01 min
Lab File: VD066297.D
Acq: 19 Aug 2020 02:13

Instrument :
MSVOA_D
ClientSampleId :
VD0818SBSD02

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.0	24.6	73.6
254	0.0	0.2	0.2

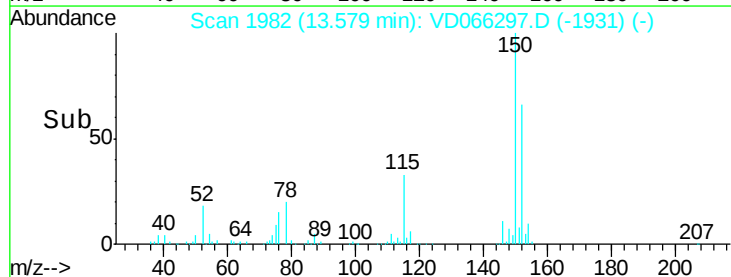
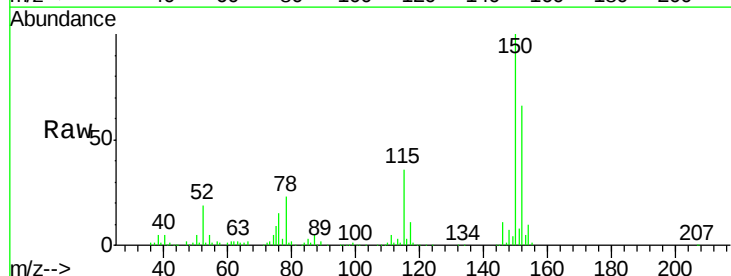
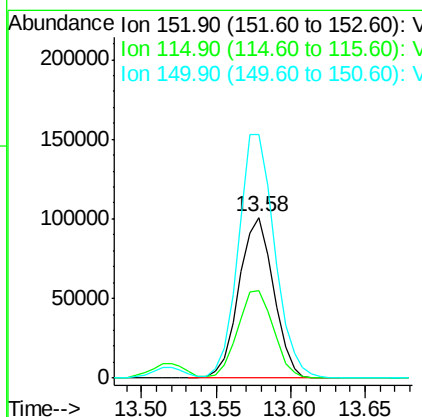
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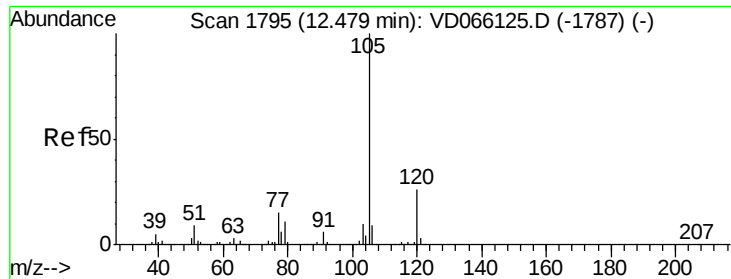
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066297.D
Acq: 19 Aug 2020 02:13

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.3	28.0	83.9
150	159.3	0.0	346.4





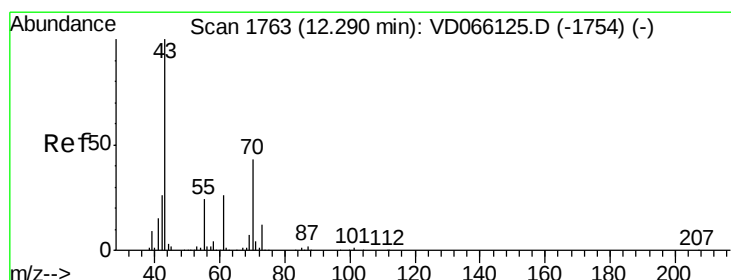
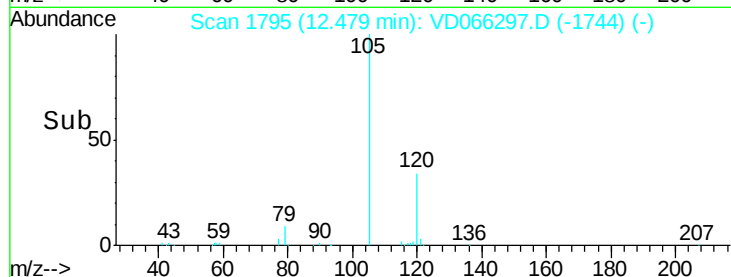
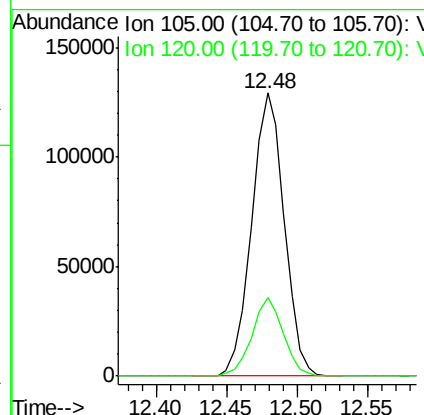
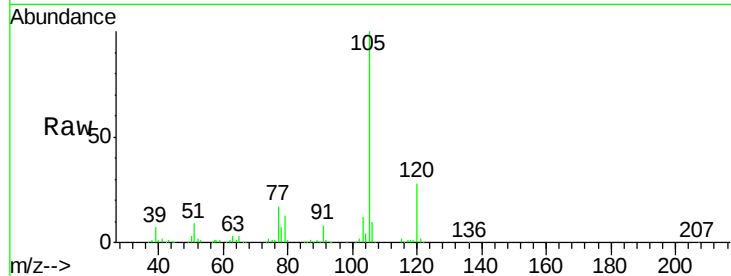
#73
Isopropylbenzene
Concen: 19.252 ug/l
RT: 12.48 min Scan# 1795
Delta R.T. 0.00 min
Lab File: VD066297.D
Acq: 19 Aug 2020 02:13

Instrument :
MSVOA_D
ClientSampleId :
VD0818SBS02

Tot Ion	Ratio	Resp	Lower	Upper
105	100	209153		
120	26.9	13.3	39.9	

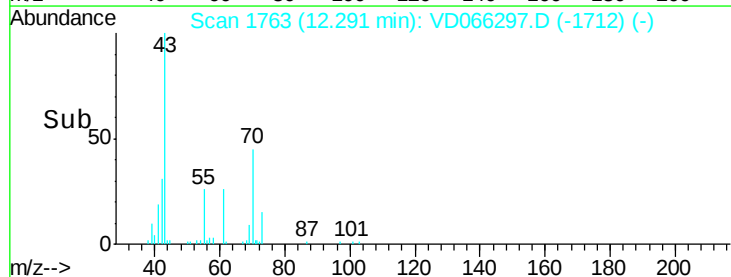
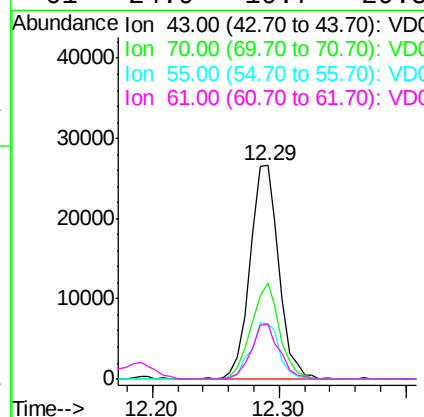
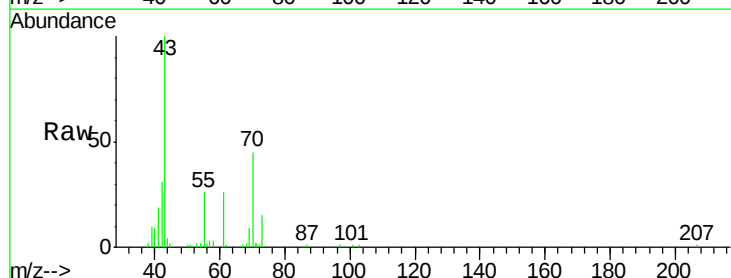
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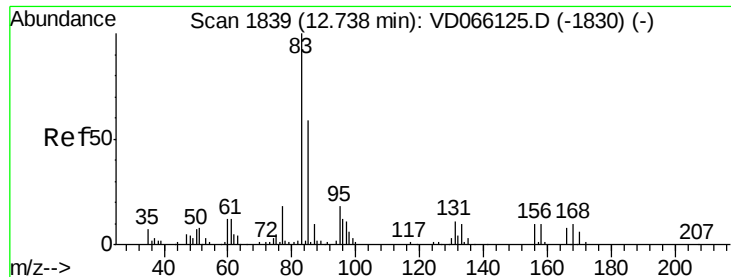
MMDadoda
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#74
N-ethyl acetate
Concen: 17.580 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. 0.00 min
Lab File: VD066297.D
Acq: 19 Aug 2020 02:13

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	42057		
70	44.1	34.9	52.3	
55	26.1	19.2	28.8	
61	24.9	19.7	29.5	





#75

1,1,2,2-Tetrachloroethane

Concen: 20.627 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD066297.D

Acq: 19 Aug 2020 02:13

Instrument :

MSVOA_D

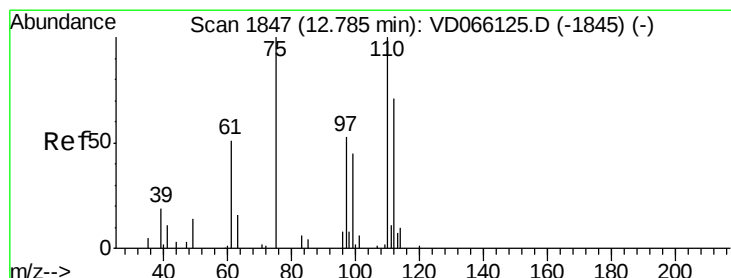
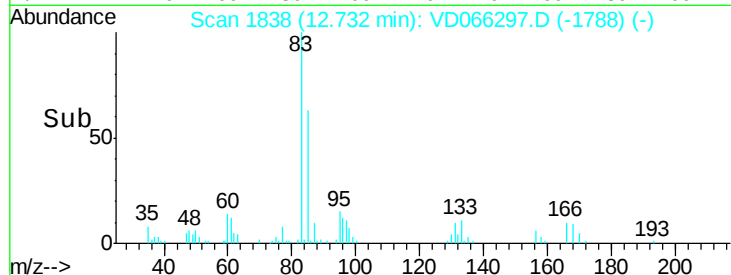
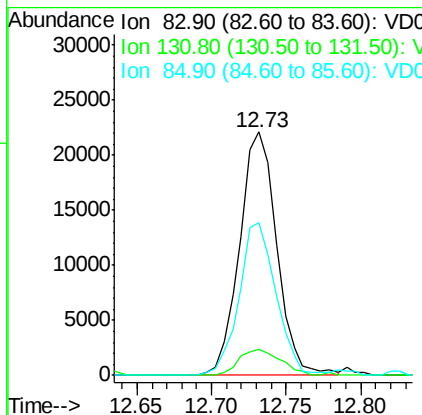
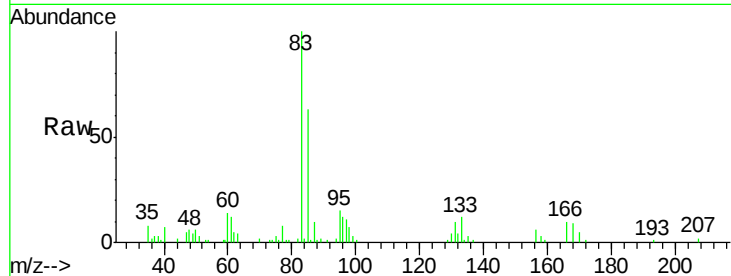
ClientSampleId :

VD0818SBS02

Tot Ion:	83	Resp:	38210
Ion Ratio	Lower	Upper	
83	100		
131	11.9	6.2	18.6
85	62.1	32.4	97.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 16.816 ug/l m

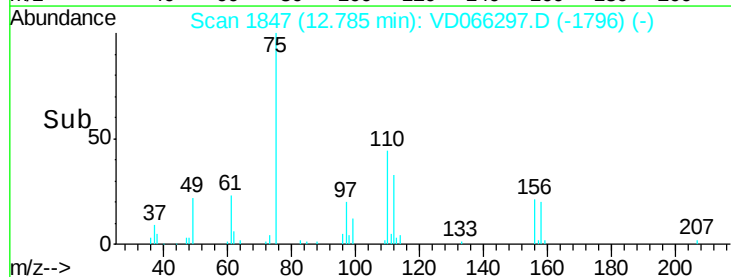
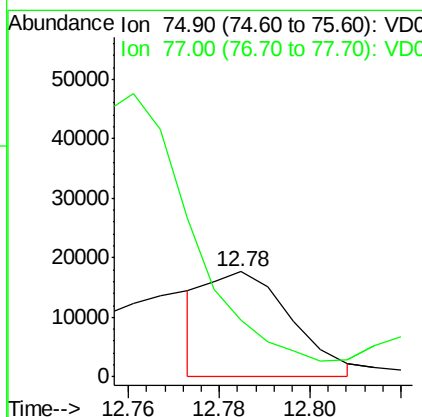
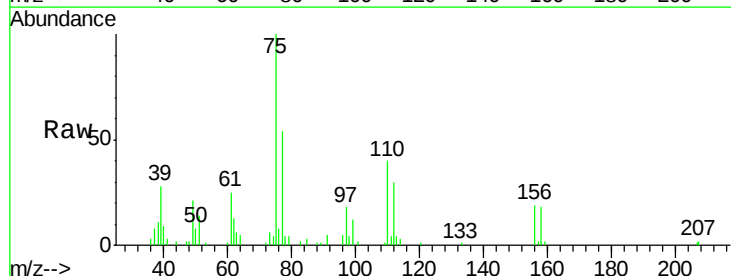
RT: 12.78 min Scan# 1847

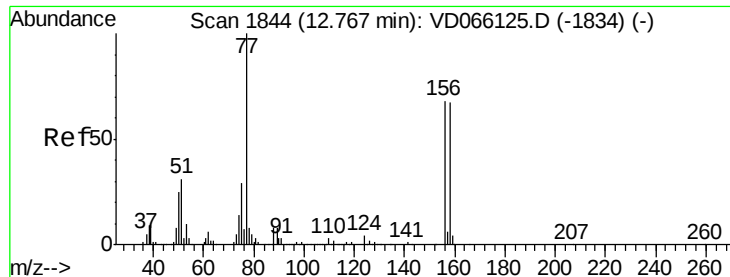
Delta R.T. 0.00 min

Lab File: VD066297.D

Acq: 19 Aug 2020 02:13

Tgt Ion:	75	Resp:	22823
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.203 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.01 min

Lab File: VD066297.D

Acq: 19 Aug 2020 02:13

Instrument :

MSVOA_D

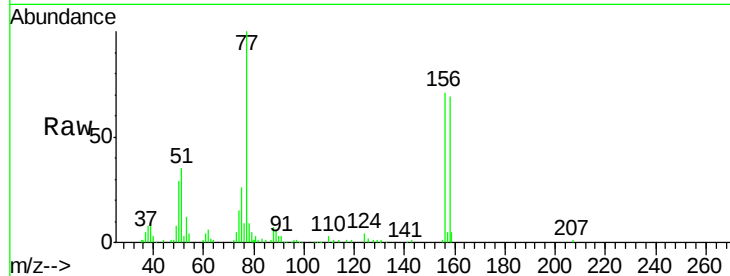
ClientSampleId :

VD0818SBS02

Tot Ion:	156	Resp:	56500
Ion	Ratio	Lower	Upper
156	100		
77	157.4	81.0	243.1
158	95.5	48.8	146.3

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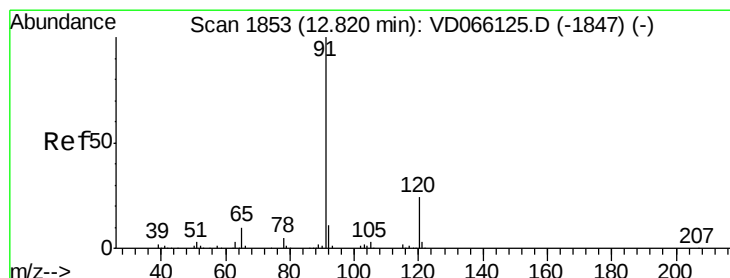
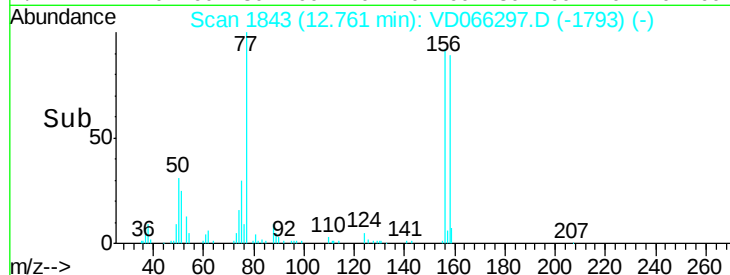
Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V

12.76

Time-->



#78

n-propylbenzene

Concen: 19.238 ug/l

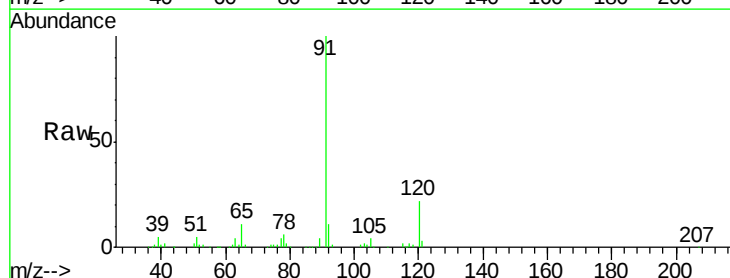
RT: 12.82 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VD066297.D

Acq: 19 Aug 2020 02:13

Tgt Ion:	91	Resp:	242943
Ion	Ratio	Lower	Upper
91	100		
120	23.9	12.0	36.0

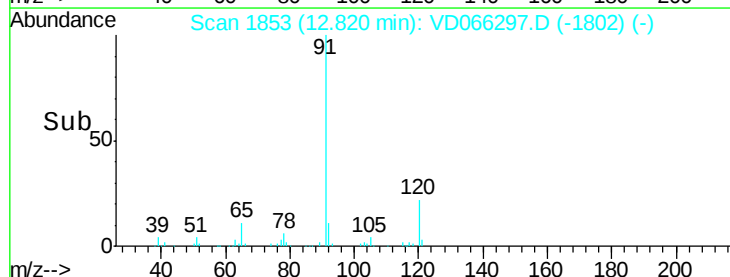


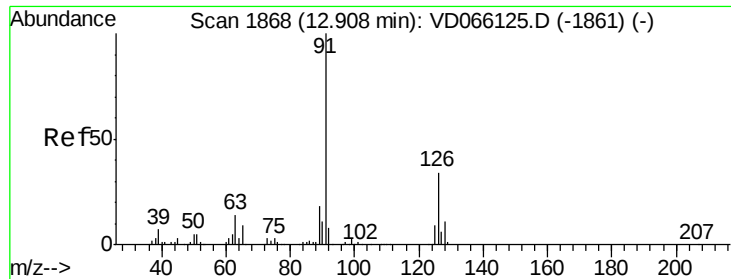
Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V

12.82

Time-->





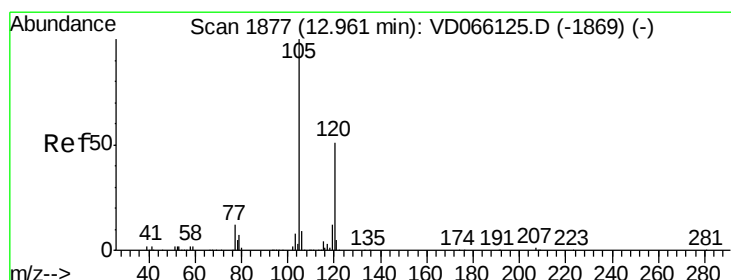
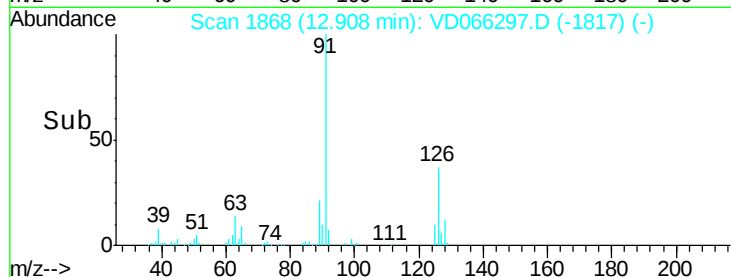
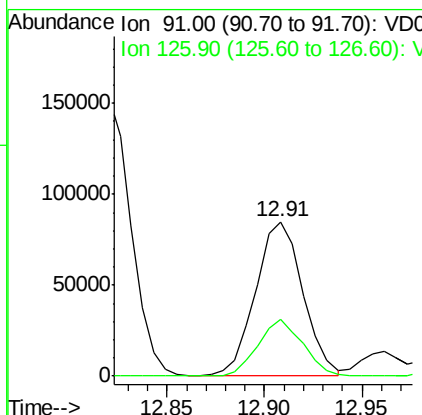
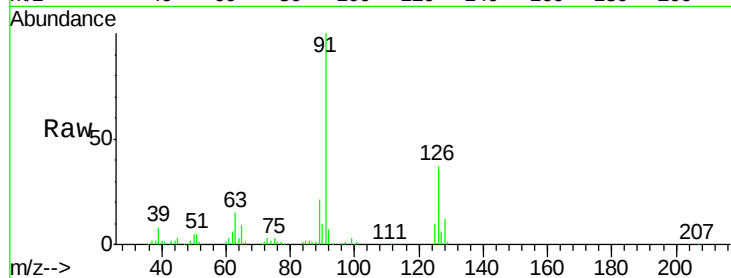
#79
 2-Chlorotoluene
 Concen: 19.749 ug/l
 RT: 12.91 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VD066297.D
 Acq: 19 Aug 2020 02:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0818SBS02

Tot Ion	Ratio	Lower	Upper
91	100		
126	35.2	17.5	52.6

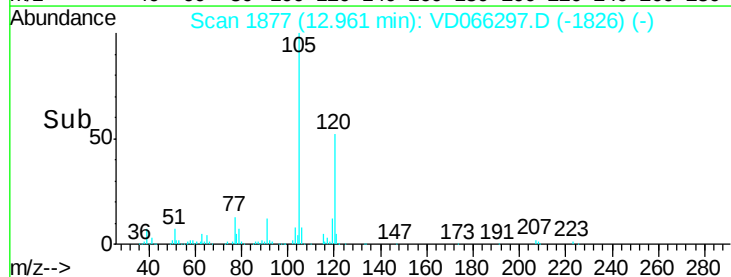
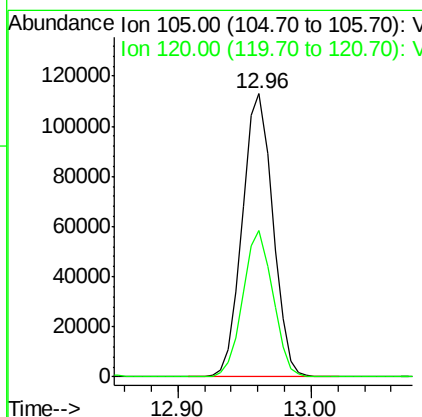
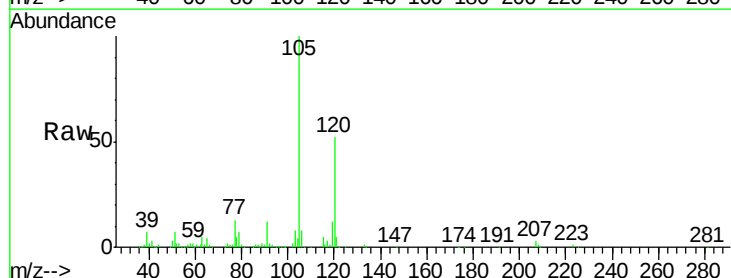
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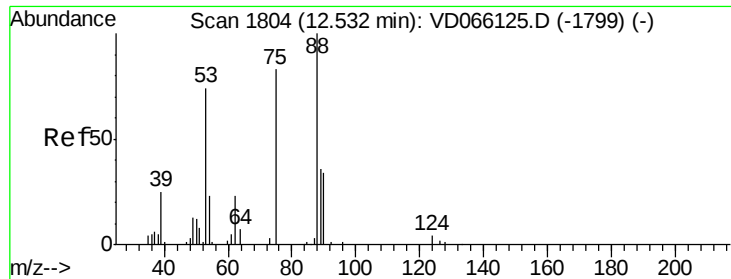
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#80
 1,3,5-Trimethylbenzene
 Concen: 19.648 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VD066297.D
 Acq: 19 Aug 2020 02:13

Tgt Ion	Ratio	Lower	Upper
105	100		
120	50.6	25.3	75.8





#81

trans-1,4-Dichloro-2-butene

Concen: 18.117 ug/l

RT: 12.53 min Scan# 1803

Delta R.T. -0.01 min

Lab File: VD066297.D

Acq: 19 Aug 2020 02:13

Instrument :

MSVOA_D

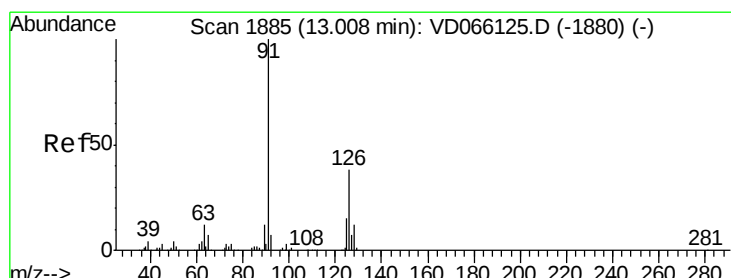
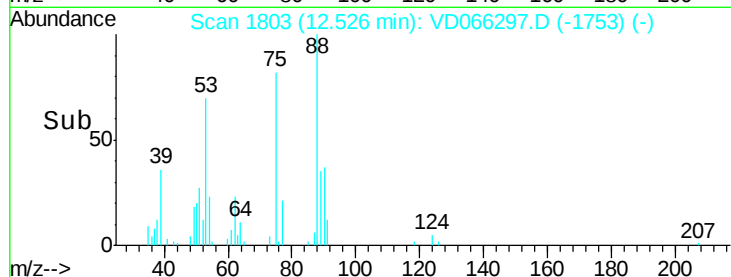
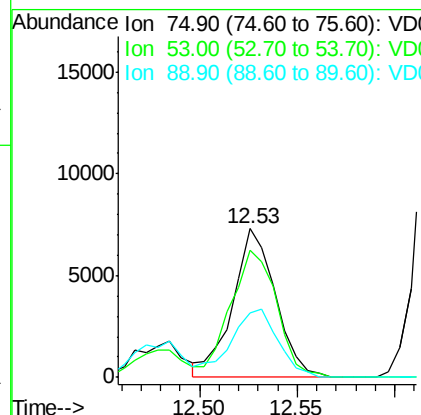
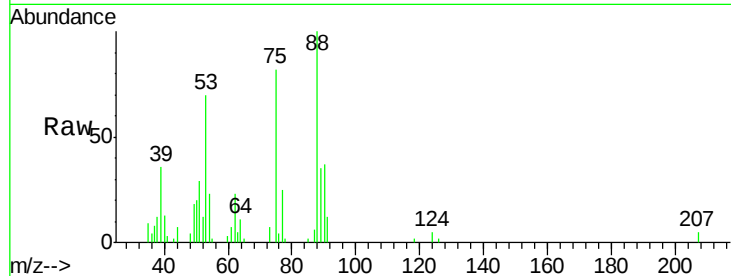
ClientSampleId :

VD0818SBS02

Tot Ion:	75	Resp:	11123
Ion	Ratio	Lower	Upper
75	100		
53	92.5	73.4	110.2
89	48.6	36.6	55.0

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#82

4-Chlorotoluene

Concen: 20.012 ug/l

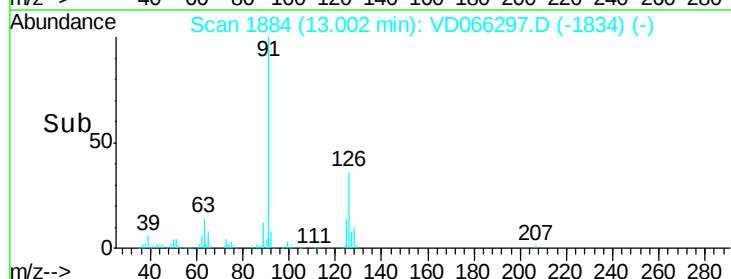
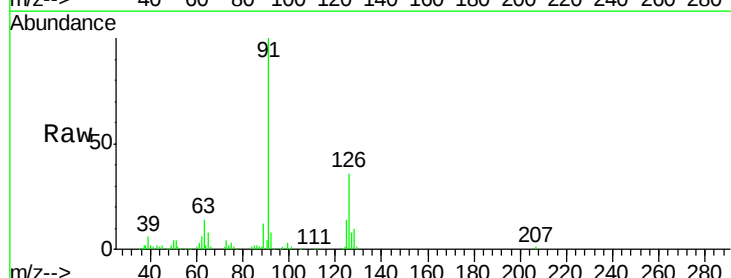
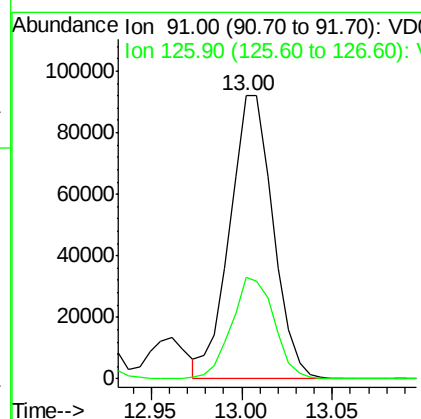
RT: 13.00 min Scan# 1884

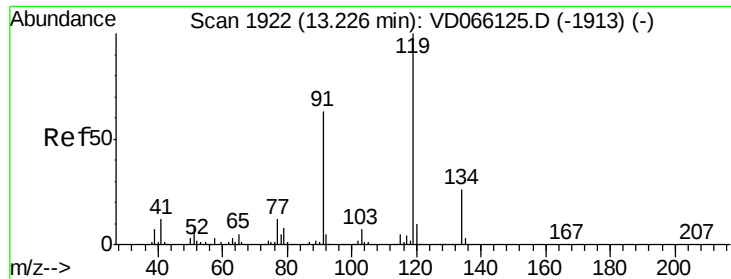
Delta R.T. -0.01 min

Lab File: VD066297.D

Acq: 19 Aug 2020 02:13

Tgt Ion:	91	Resp:	152580
Ion	Ratio	Lower	Upper
91	100		
126	35.5	17.8	53.3





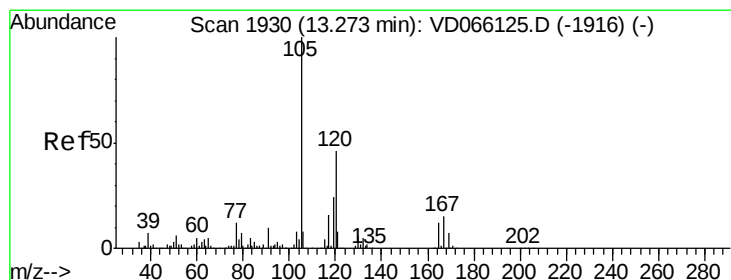
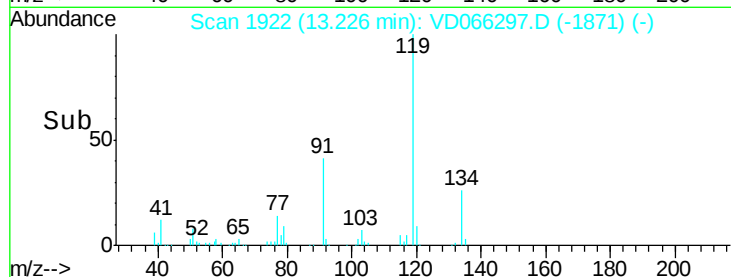
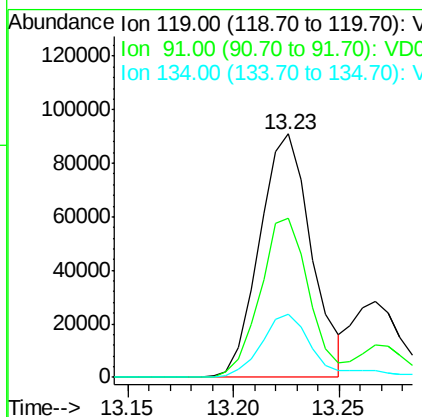
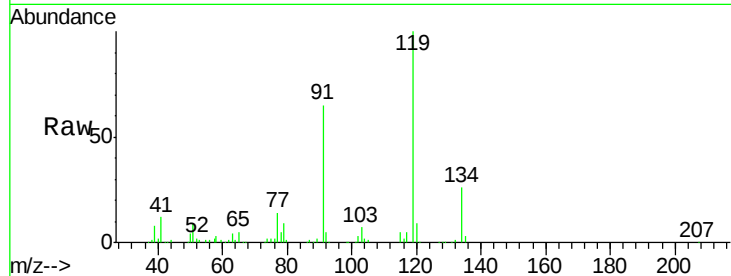
#83
tert-Butylbenzene
Concen: 19.443 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD066297.D
Acq: 19 Aug 2020 02:13

Instrument :
MSVOA_D
ClientSampleId :
VD0818SBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	155351		
91	61.7	30.8	92.4	
134	26.7	13.6	40.8	

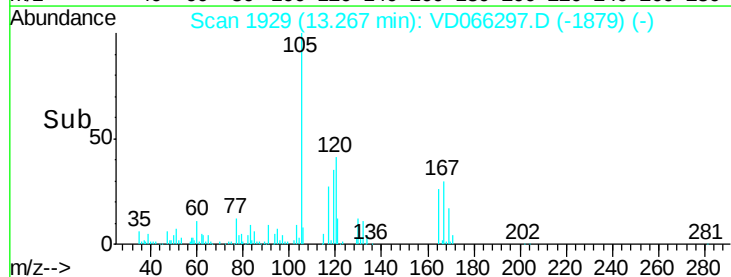
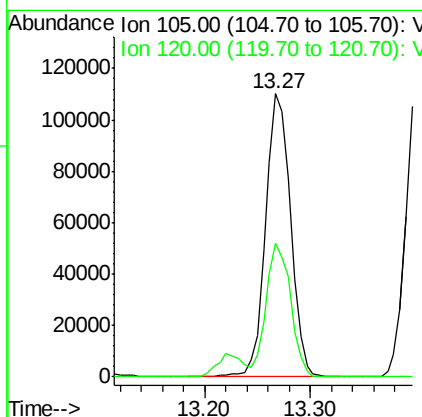
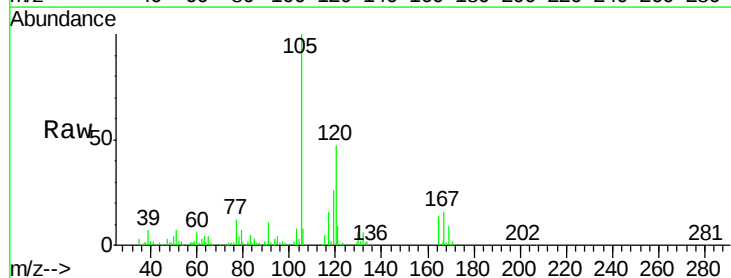
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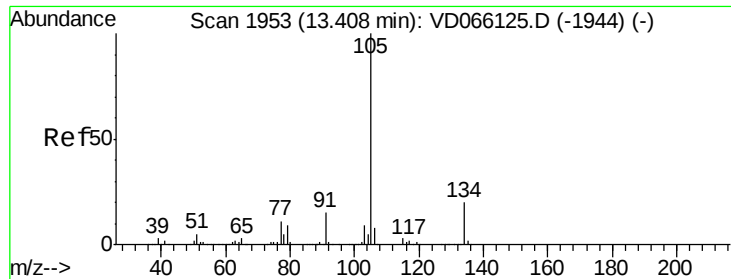
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#84
1,2,4-Trimethylbenzene
Concen: 19.848 ug/l
RT: 13.27 min Scan# 1929
Delta R.T. -0.01 min
Lab File: VD066297.D
Acq: 19 Aug 2020 02:13

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	180470		
120	46.1	23.1	69.2	





#85

sec-Butylbenzene

Concen: 19.333 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.01 min

Lab File: VD066297.D

Acq: 19 Aug 2020 02:13

Instrument :

MSVOA_D

ClientSampleId :

VD0818SBS02

Tot Ion:105 Resp: 208563

Ion Ratio Lower Upper

105 100

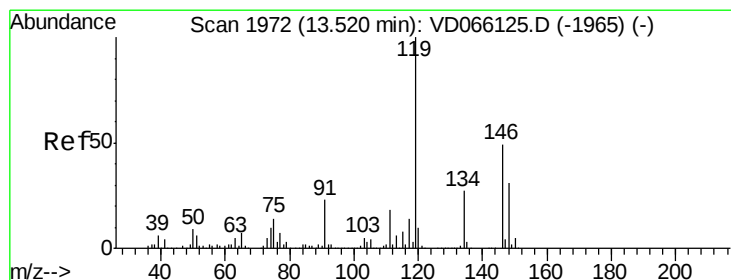
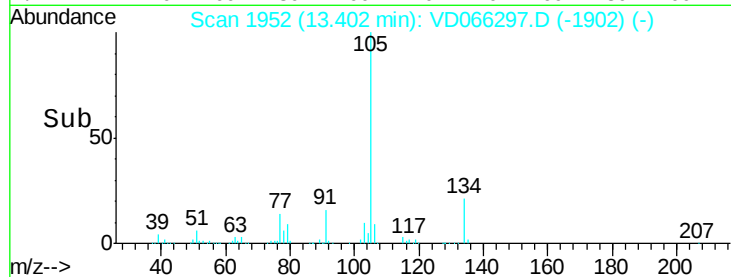
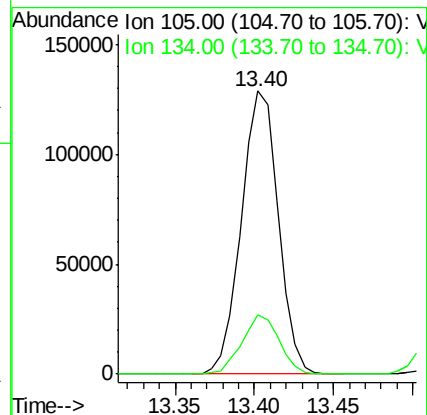
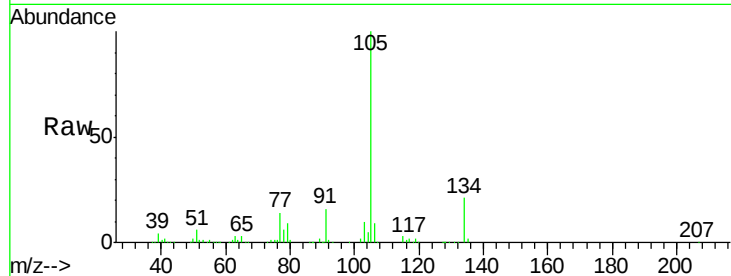
134 20.9 10.4 31.4

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#86

p-Isopropyltoluene

Concen: 19.169 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066297.D

Acq: 19 Aug 2020 02:13

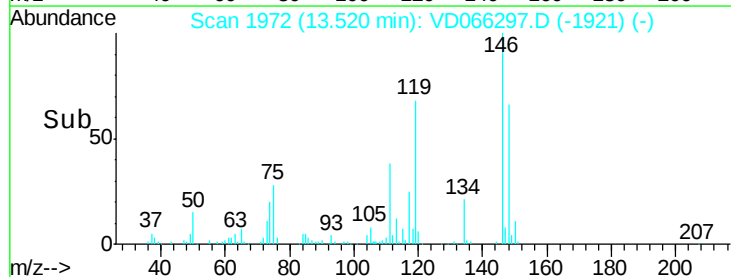
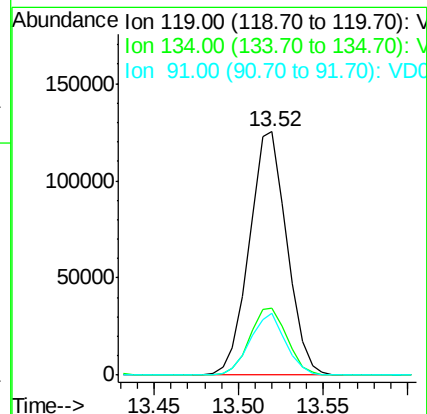
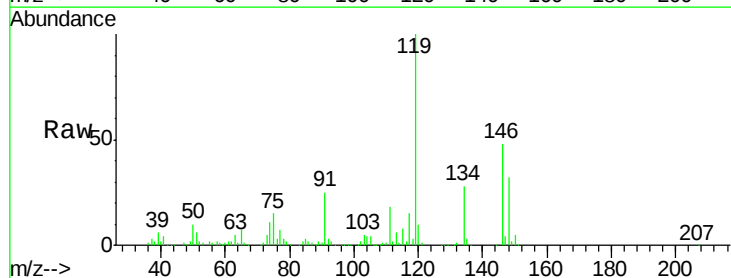
Tgt Ion:119 Resp: 193949

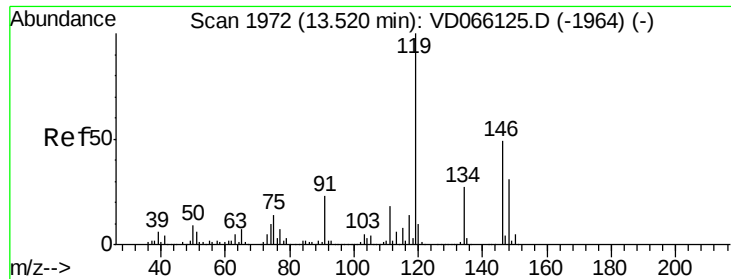
Ion Ratio Lower Upper

119 100

134 27.6 13.5 40.4

91 24.1 11.2 33.5





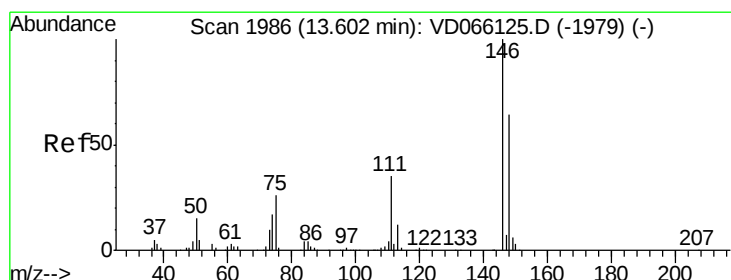
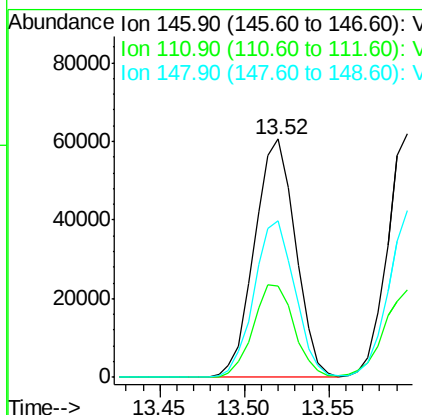
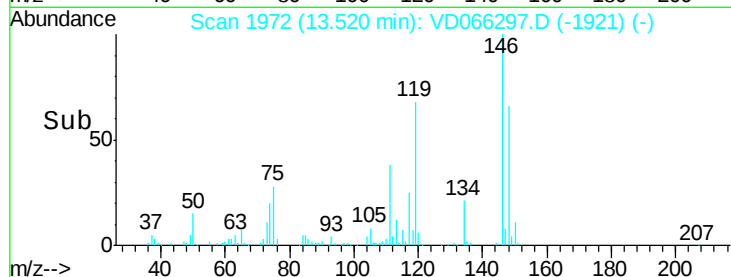
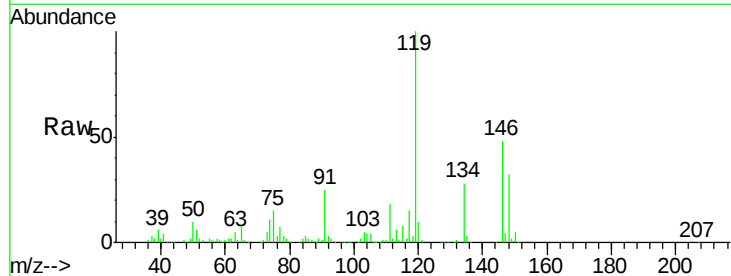
#87
 1,3-Dichlorobenzene
 Concen: 19.394 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD066297.D
 Acq: 19 Aug 2020 02:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0818SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	101936		
111	39.0		18.9	56.9
148	65.4		31.8	95.3

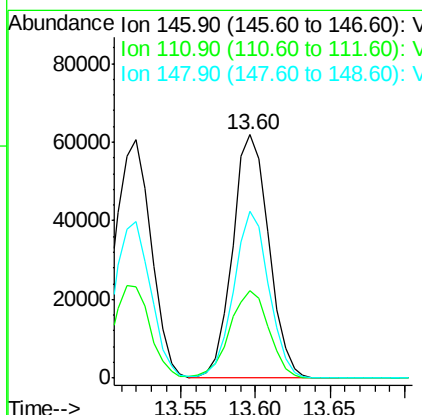
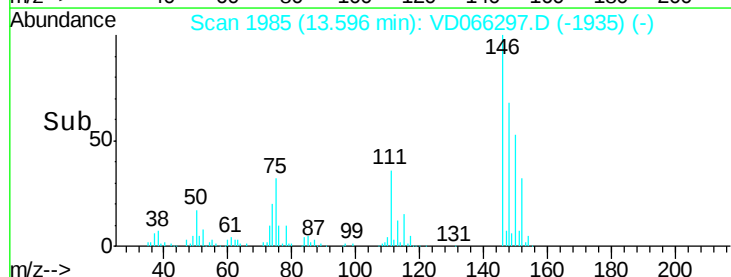
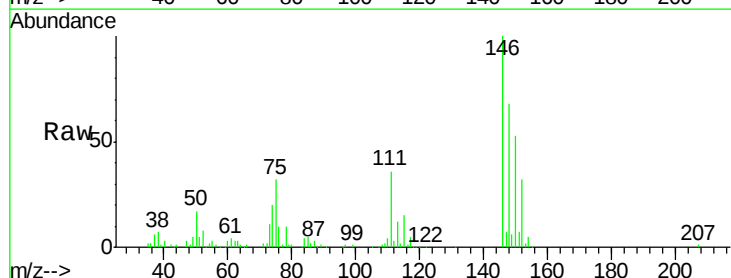
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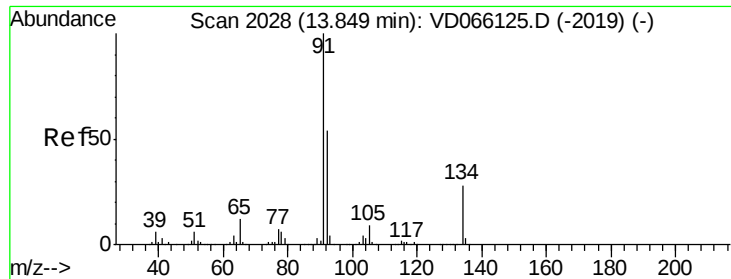
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#88
 1,4-Dichlorobenzene
 Concen: 19.969 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.01 min
 Lab File: VD066297.D
 Acq: 19 Aug 2020 02:13

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	104672		
111	38.6		18.6	55.8
148	66.6		32.4	97.0





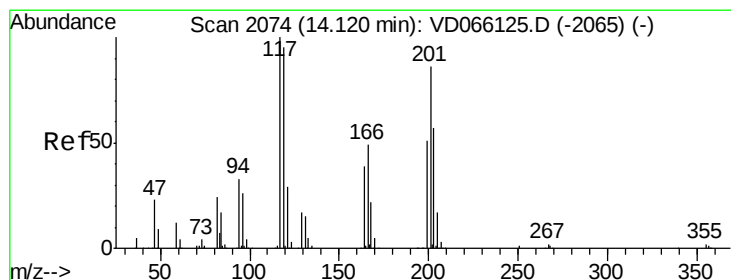
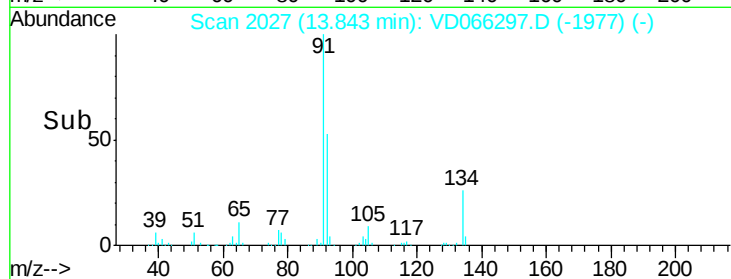
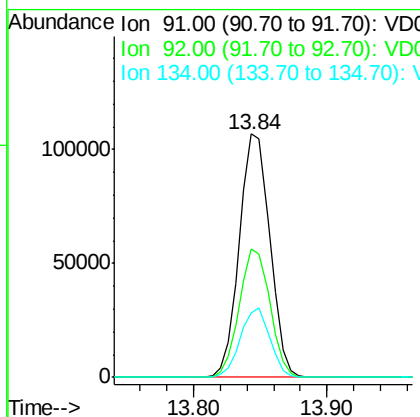
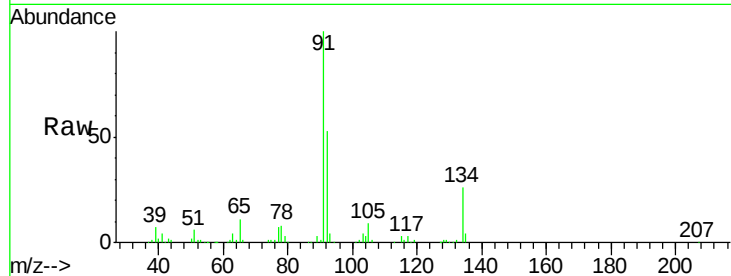
#89
n-Butylbenzene
Concen: 18.679 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.01 min
Lab File: VD066297.D
Acq: 19 Aug 2020 02:13

Instrument :
MSVOA_D
ClientSampleId :
VD0818SBS02

Tot Ion	Ratio	Resp	Lower	Upper
91	100	169327		
92	52.7	26.8	80.3	
134	27.5	14.0	41.9	

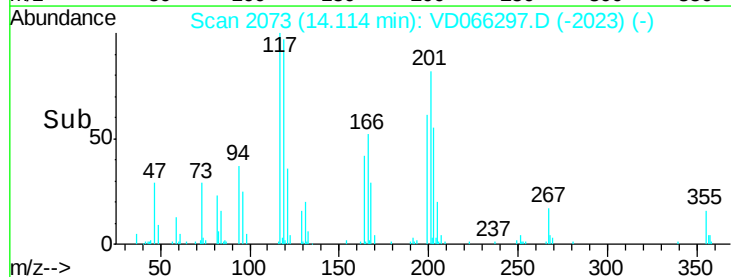
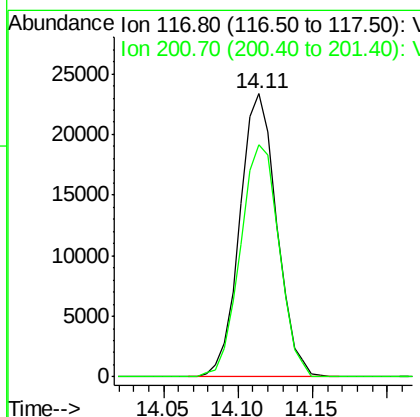
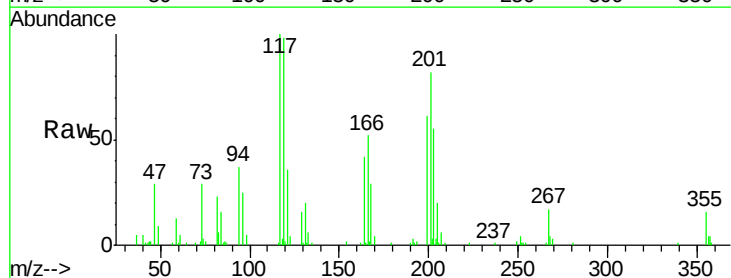
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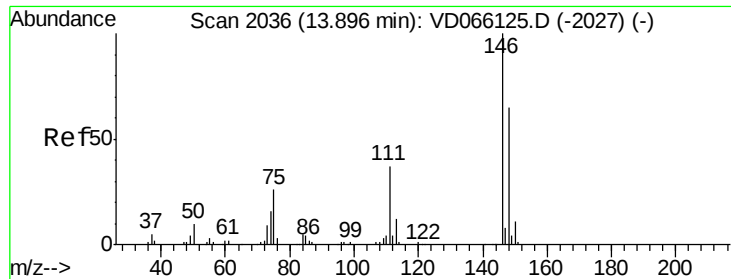
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#90
Hexachloroethane
Concen: 19.887 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.01 min
Lab File: VD066297.D
Acq: 19 Aug 2020 02:13

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	40130		
201	85.7	42.7	128.1	





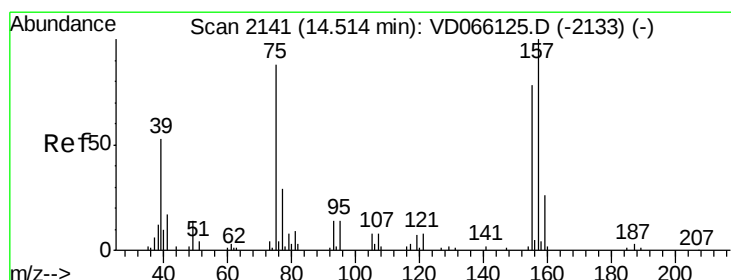
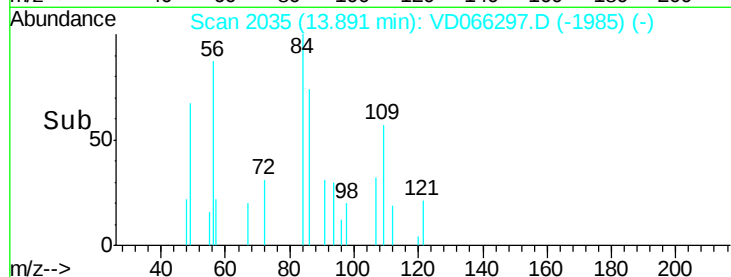
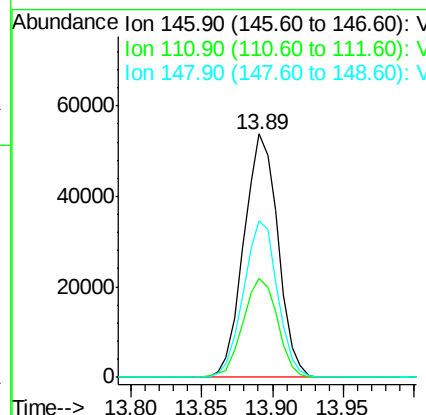
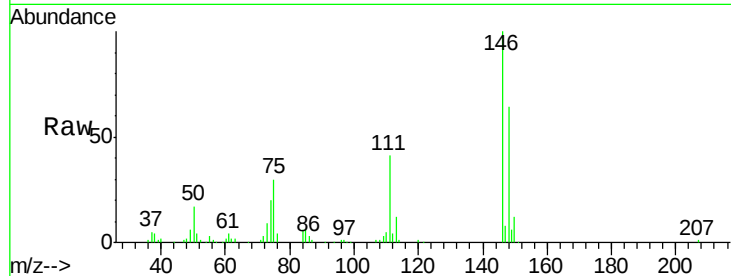
#91
 1,2-Dichlorobenzene
 Concen: 19.621 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.01 min
 Lab File: VD066297.D
 Acq: 19 Aug 2020 02:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0818SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	18.8	56.3
148	63.8	31.9	95.5

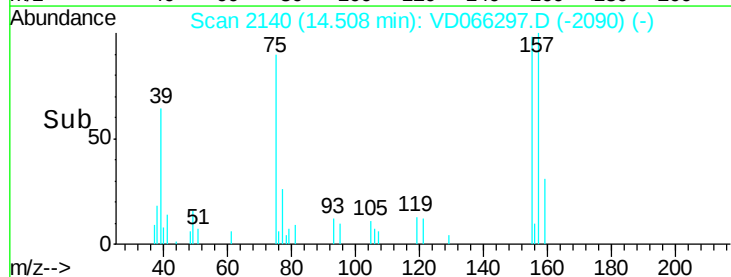
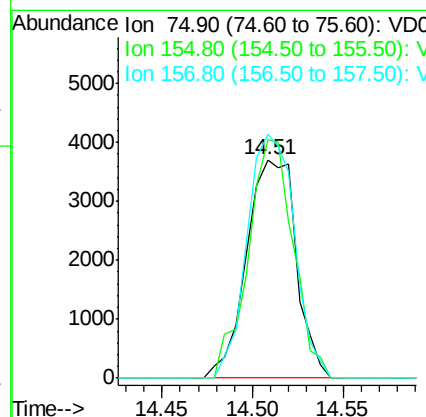
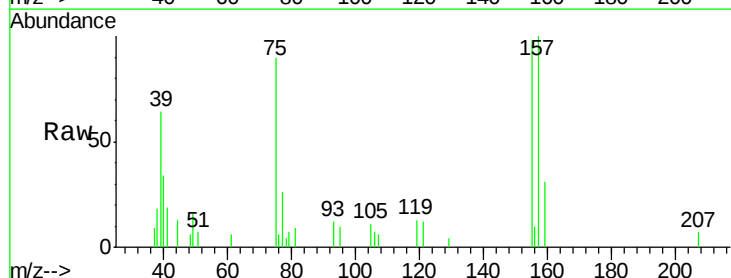
Manual Integrations
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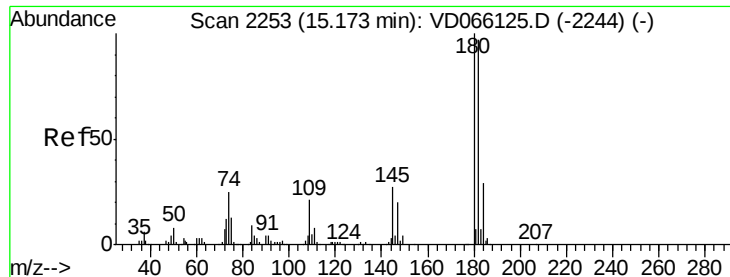
MMDadoda
 8/19/2020 5:23:36 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.137 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD066297.D
 Acq: 19 Aug 2020 02:13

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.3	47.7	143.1
157	106.4	62.1	186.2





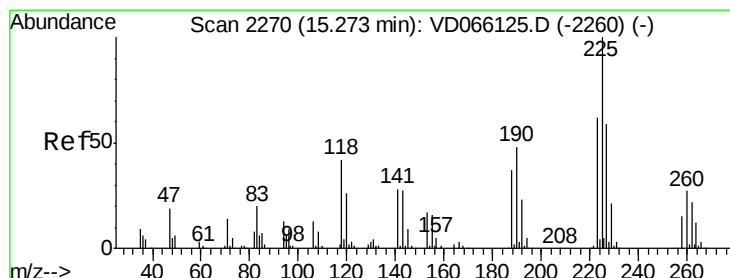
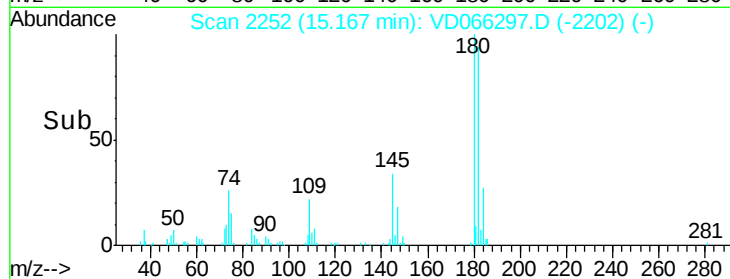
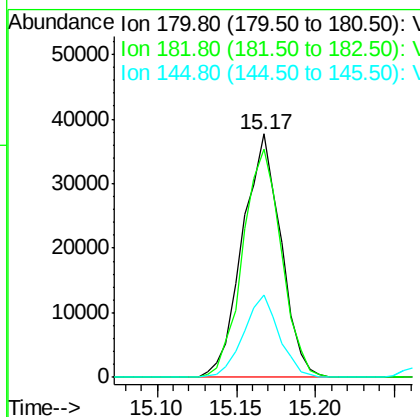
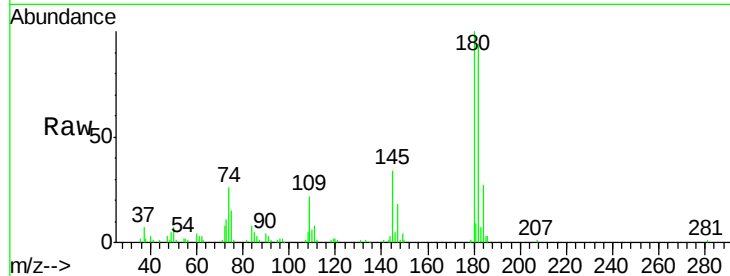
#93
 1,2,4-Trichlorobenzene
 Concen: 18.555 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.01 min
 Lab File: VD066297.D
 Acq: 19 Aug 2020 02:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0818SBS02

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.4	142.2
145	31.3	14.5	43.6

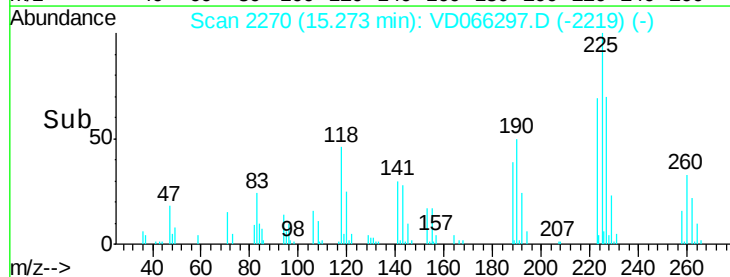
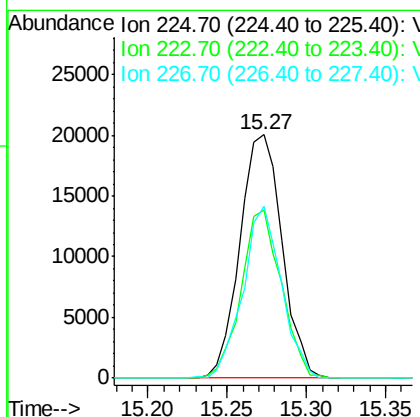
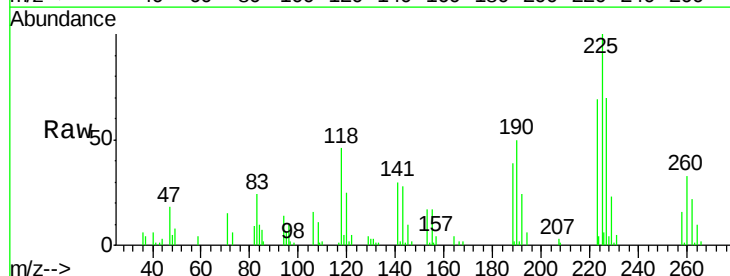
Manual Integrations
 APPROVED

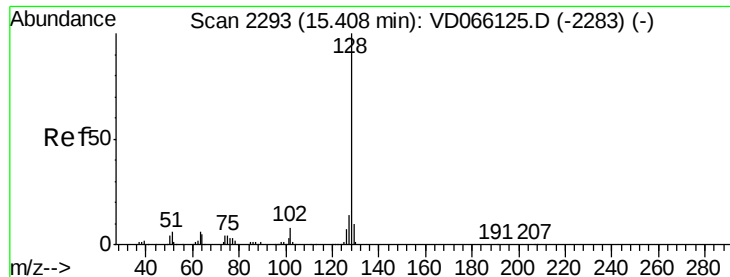
MMDadoda
 8/19/2020 5:23:36 PM



#94
 Hexachlorobutadiene
 Concen: 18.378 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD066297.D
 Acq: 19 Aug 2020 02:13

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.6	32.3	96.9
227	64.4	32.1	96.5





#95

Naphthalene

Concen: 19.154 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD066297.D

Acq: 19 Aug 2020 02:13

Instrument :

MSVOA_D

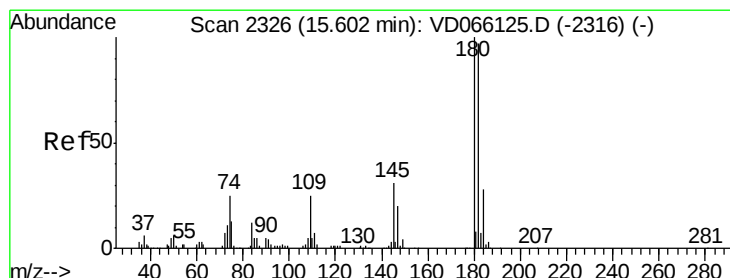
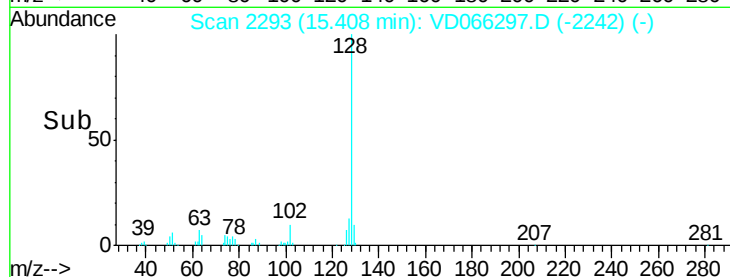
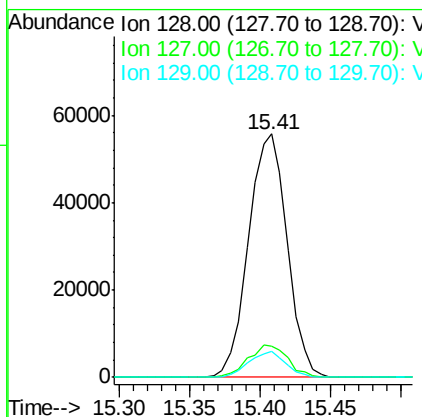
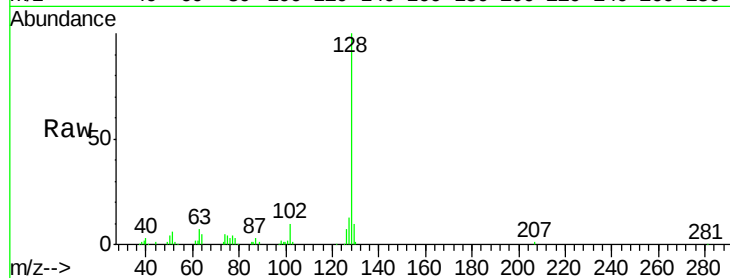
ClientSampleId :

VD0818SBS02

Tot Ion:	128	Resp:	106910
Ion Ratio	Lower	Upper	
128	100		
127	13.5	11.0	16.4
129	10.0	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
8/19/2020 5:23:36 PM



#96

1,2,3-Trichlorobenzene

Concen: 18.712 ug/l

RT: 15.60 min Scan# 2325

Delta R.T. -0.01 min

Lab File: VD066297.D

Acq: 19 Aug 2020 02:13

Tgt Ion:	180	Resp:	56584
Ion Ratio	Lower	Upper	
180	100		
182	93.8	47.1	141.4
145	32.8	14.9	44.9

