

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081420\
 Data File : VD066230.D
 Acq On : 14 Aug 2020 12:16
 Operator : VA/SY
 Sample : VD0814SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0814SBS01

Manual Integrations
 APPROVED

MMDadoda
 8/17/2020 5:45:55 PM

Quant Time: Aug 17 08:58:10 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	309561	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	443586	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	405681	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	211142	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	135155	48.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.88%	
35) Dibromofluoromethane	7.91	113	137665	48.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.98%	
50) Toluene-d8	10.34	98	519433	50.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.18%	
62) 4-Bromofluorobenzene	12.63	95	186941	50.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.02%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.99	85	57360	21.031	ug/l	100
3) Chloromethane	2.20	50	42626	20.092	ug/l	92
4) Vinyl Chloride	2.35	62	38974	20.750	ug/l	96
5) Bromomethane	2.76	94	26592	21.339	ug/l	96
6) Chloroethane	2.92	64	22332	19.369	ug/l	90
7) Trichlorofluoromethane	3.27	101	96087	19.622	ug/l	95
8) Diethyl Ether	3.71	74	25746	18.633	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	57124	19.656	ug/l	98
10) Methyl Iodide	4.30	142	51392	23.528	ug/l	98
11) Tert butyl alcohol	5.21	59	23423	89.137	ug/l	97
12) 1,1-Dichloroethene	4.07	96	53080	19.362	ug/l	98
13) Acrolein	3.91	56	13439	61.134	ug/l	98
14) Allyl chloride	4.71	41	74671	17.979	ug/l	95
15) Acrylonitrile	5.41	53	50553	86.825	ug/l	97
16) Acetone	4.16	43	51651	98.566	ug/l	97
17) Carbon Disulfide	4.40	76	154053	17.673	ug/l	98
18) Methyl Acetate	4.71	43	23652	17.770	ug/l	95
19) Methyl tert-butyl Ether	5.47	73	114946	18.293	ug/l	98
20) Methylene Chloride	4.96	84	75736	22.611	ug/l	99
21) trans-1,2-Dichloroethene	5.47	96	59128	18.775	ug/l	96
22) Diisopropyl ether	6.36	45	151693	18.469	ug/l	98
23) Vinyl Acetate	6.30	43	436186	90.652	ug/l	96
24) 1,1-Dichloroethane	6.26	63	96949	19.074	ug/l	96
25) 2-Butanone	7.21	43	69250	89.849	ug/l	97
26) 2,2-Dichloropropane	7.20	77	94848	20.820	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	62517	18.926	ug/l	97
28) Bromochloromethane	7.54	49	37244	20.862	ug/l	94
29) Tetrahydrofuran	7.56	42	41550	87.012	ug/l	99
30) Chloroform	7.70	83	102680	19.239	ug/l	97
31) Cyclohexane	7.98	56	91622	18.936	ug/l	93
32) 1,1,1-Trichloroethane	7.90	97	100587	20.100	ug/l	100
36) 1,1-Dichloropropene	8.11	75	80866	19.400	ug/l	99
37) Ethyl Acetate	7.29	43	29697	17.981	ug/l	97
38) Carbon Tetrachloride	8.09	117	91462	19.676	ug/l	91

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	98848	19.617	ug/l	99
40) Benzene	8.34	78	221031	19.115	ug/l	96
41) Methacrylonitrile	7.53	41	21084m	21.712	ug/l	
42) 1,2-Dichloroethane	8.42	62	65591	19.309	ug/l	99
43) Isopropyl Acetate	8.44	43	57135	17.558	ug/l	98
44) Trichloroethene	9.11	130	69181	19.854	ug/l	99
45) 1,2-Dichloropropane	9.38	63	52687	18.630	ug/l	99
46) Dibromomethane	9.47	93	29631	19.021	ug/l	98
47) Bromodichloromethane	9.66	83	77988	18.942	ug/l	90
48) Methyl methacrylate	9.45	41	27921	16.804	ug/l #	87
49) 1,4-Dioxane	9.46	88	7152	357.356	ug/l	91
51) 4-Methyl-2-Pentanone	10.22	43	146582	87.696	ug/l	100
52) Toluene	10.40	92	148487	19.515	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	75175	19.240	ug/l	95
54) cis-1,3-Dichloropropene	10.08	75	87522	19.118	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	41825	18.646	ug/l	96
56) Ethyl methacrylate	10.66	69	49588	18.402	ug/l	97
57) 1,3-Dichloropropane	10.94	76	70136	18.834	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.94	63	128808	106.269	ug/l	99
59) 2-Hexanone	10.98	43	107318	91.485	ug/l	97
60) Dibromochloromethane	11.14	129	58710	18.958	ug/l	100
61) 1,2-Dibromoethane	11.24	107	40554	18.799	ug/l	100
64) Tetrachloroethene	10.87	164	61347	19.693	ug/l	95
65) Chlorobenzene	11.67	112	162613	19.745	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.74	131	63180	19.607	ug/l	98
67) Ethyl Benzene	11.74	91	287106	20.118	ug/l	96
68) m/p-Xylenes	11.85	106	221145	39.995	ug/l	97
69) o-Xylene	12.18	106	99686	19.819	ug/l	99
70) Styrene	12.19	104	178659	20.268	ug/l	99
71) Bromoform	12.36	173	35695	18.697	ug/l #	100
73) Isopropylbenzene	12.48	105	279807	19.853	ug/l	98
74) N-amyl acetate	12.29	43	55722	17.954	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	44346	18.452	ug/l	100
76) 1,2,3-Trichloropropane	12.78	75	30075m	17.081	ug/l	
77) Bromobenzene	12.76	156	70714	19.490	ug/l	99
78) n-propylbenzene	12.82	91	332039	20.267	ug/l	100
79) 2-Chlorotoluene	12.91	91	186430	19.896	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	234682	19.910	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	14425	18.110	ug/l	97
82) 4-Chlorotoluene	13.01	91	199162	20.134	ug/l	99
83) tert-Butylbenzene	13.23	119	208091	20.074	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	237419	20.127	ug/l	99
85) sec-Butylbenzene	13.40	105	287986	20.577	ug/l	100
86) p-Isopropyltoluene	13.52	119	269989	20.568	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	136890	20.075	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	135457	19.919	ug/l	98
89) n-Butylbenzene	13.84	91	240714	20.467	ug/l	98
90) Hexachloroethane	14.11	117	50695	19.364	ug/l	96
91) 1,2-Dichlorobenzene	13.89	146	118875	19.712	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	7119	17.235	ug/l	92

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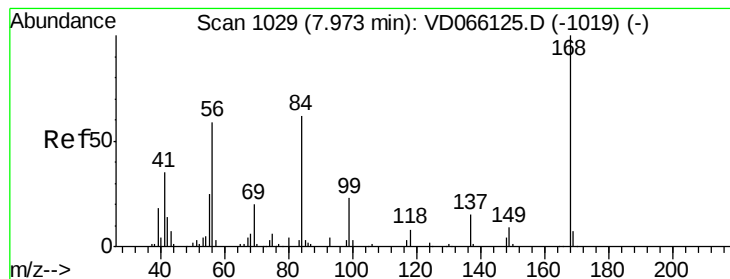
Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	84620	19.041	ug/l	99
94) Hexachlorobutadiene	15.27	225	53267	20.354	ug/l	98
95) Naphthalene	15.41	128	127827	17.653	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	72404	18.456	ug/l	99

(#) = 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: VD066230.D

Acq: 14 Aug 2020 12:16

Instrument :

MSVOA_D

ClientSampleId :

VD0814SBS01

Tot Ion:168 Resp: 309561

Ion Ratio Lower Upper

168 100

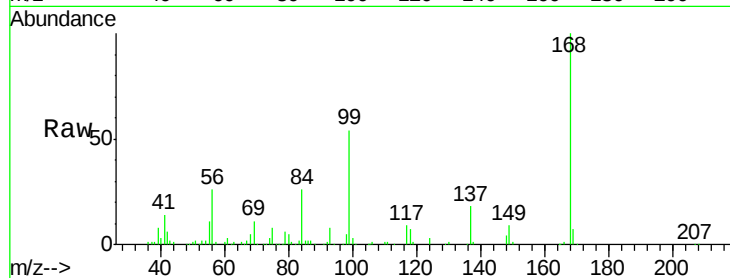
99 53.7 42.2 63.4

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.97

150000

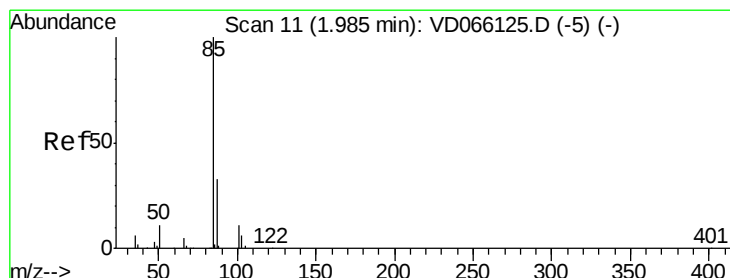
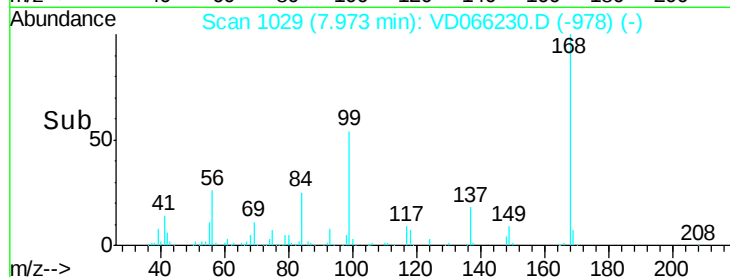
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50000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 21.031 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066230.D

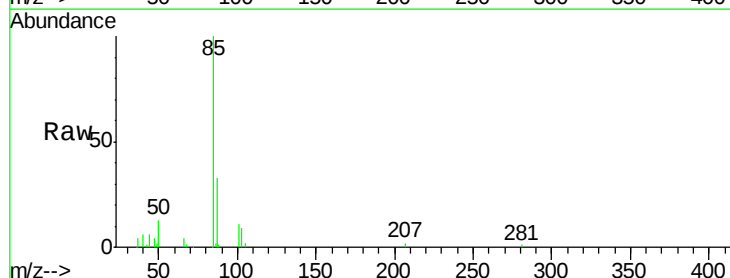
Acq: 14 Aug 2020 12:16

Tgt Ion: 85 Resp: 57360

Ion Ratio Lower Upper

85 100

87 32.6 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

40000

30000

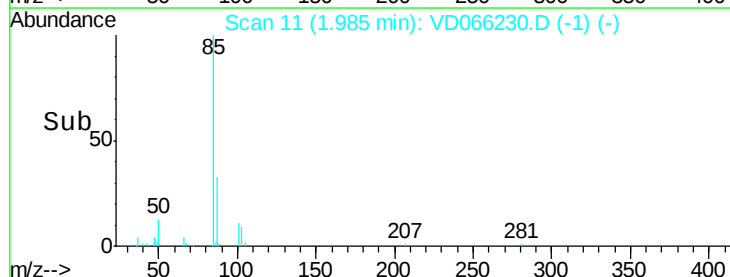
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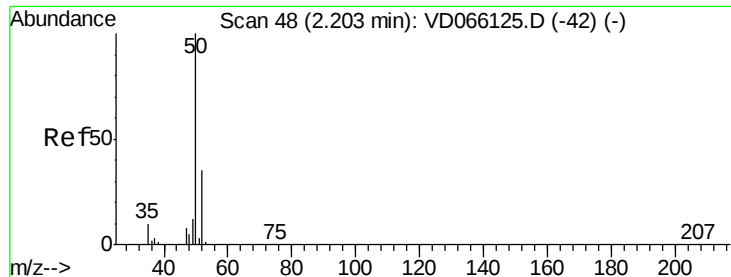
10000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 20.092 ug/l

RT: 2.20 min Scan# 48

Delta R.T. 0.00 min

Lab File: VD066230.D

Acq: 14 Aug 2020 12:16

Instrument :

MSVOA_D

ClientSampleId :

VD0814SBS01

Tot Ion: 50 Resp: 42626

Ion Ratio Lower Upper

50 100

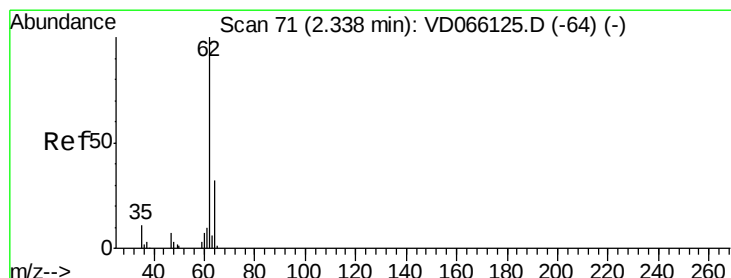
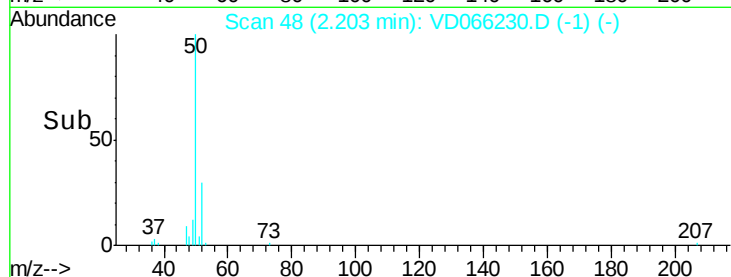
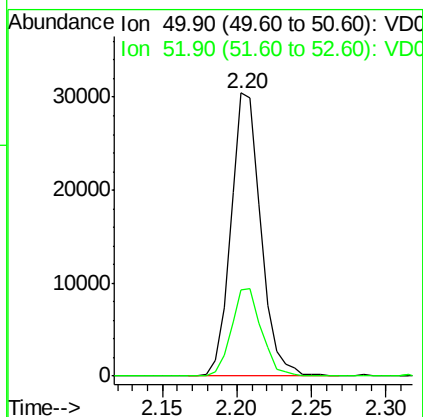
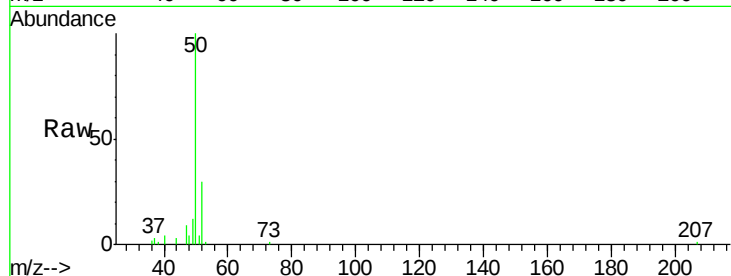
52 30.4 27.9 41.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.750 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.01 min

Lab File: VD066230.D

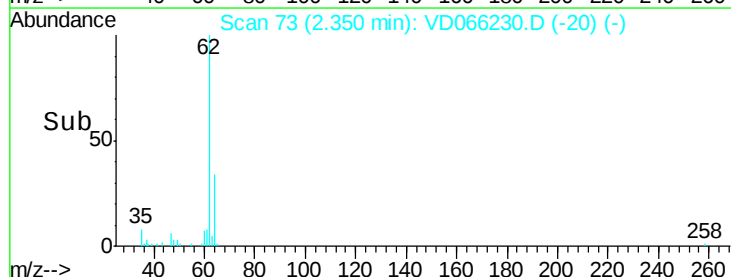
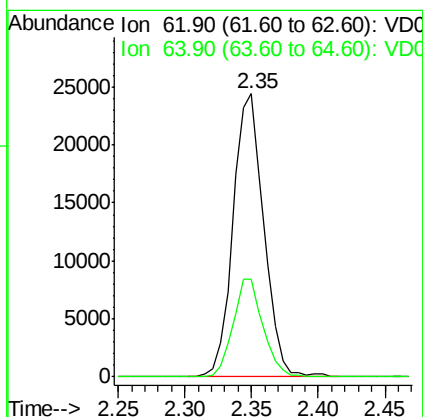
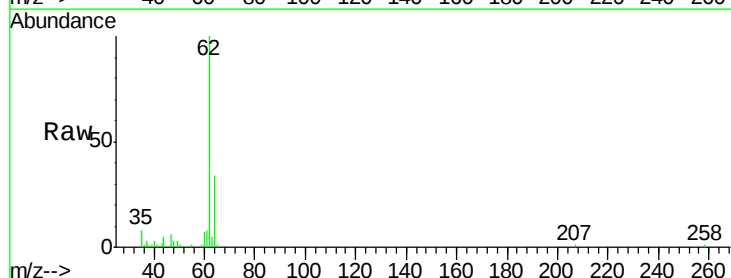
Acq: 14 Aug 2020 12:16

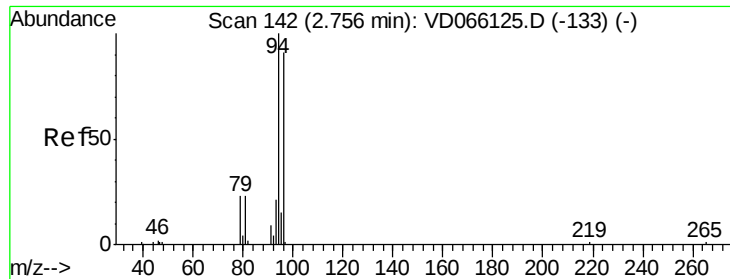
Tgt Ion: 62 Resp: 38974

Ion Ratio Lower Upper

62 100

64 34.4 25.8 38.8





#5

Bromomethane

Concen: 21.339 ug/l

RT: 2.76 min Scan# 142

Delta R.T. 0.00 min

Lab File: VD066230.D

Acq: 14 Aug 2020 12:16

Instrument :

MSVOA_D

ClientSampleId :

VD0814SBS01

Tot Ion: 94 Resp: 26592

Ion Ratio Lower Upper

94 100

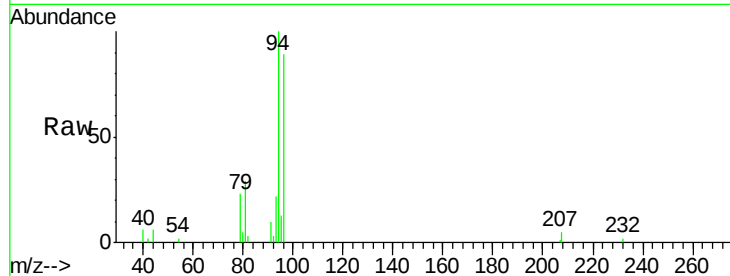
96 87.4 72.6 109.0

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

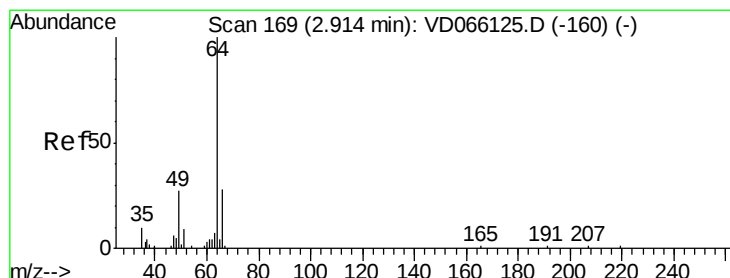
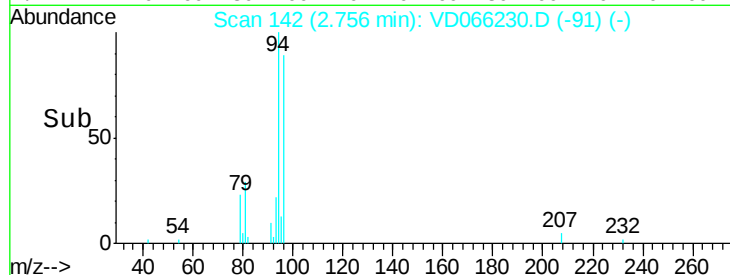
6000

4000

2000

0

Time-->



#6

Chloroethane

Concen: 19.369 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.01 min

Lab File: VD066230.D

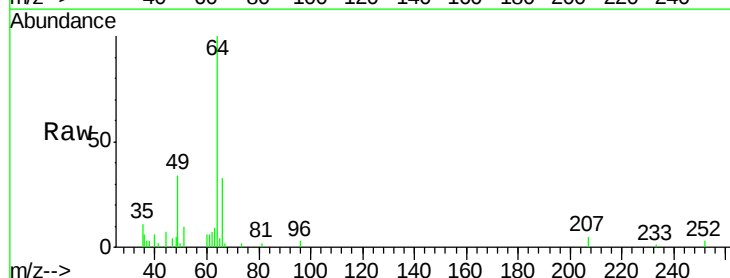
Acq: 14 Aug 2020 12:16

Tgt Ion: 64 Resp: 22332

Ion Ratio Lower Upper

64 100

66 32.8 22.0 33.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

12000

10000

8000

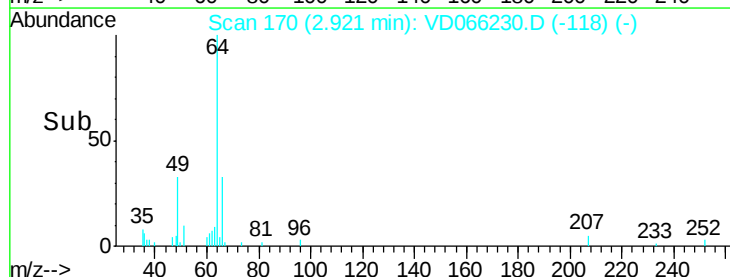
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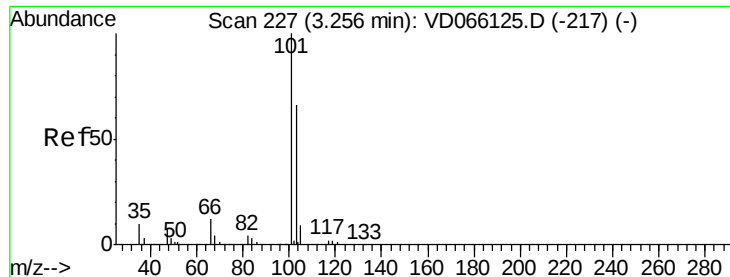
4000

2000

0

Time-->





#7

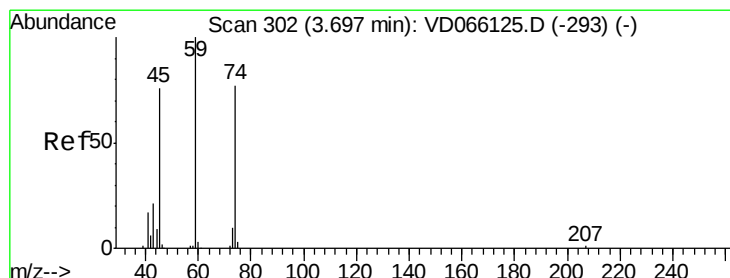
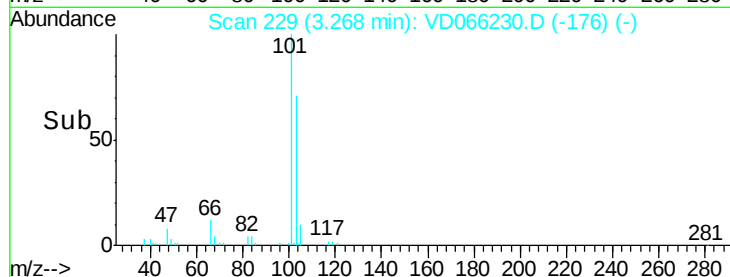
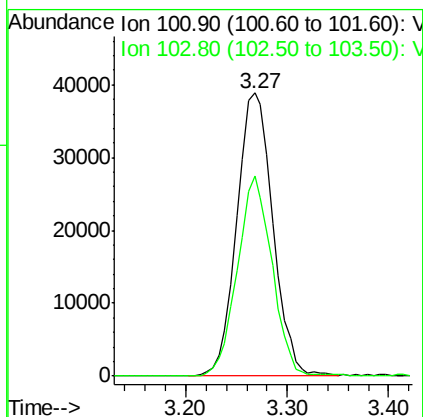
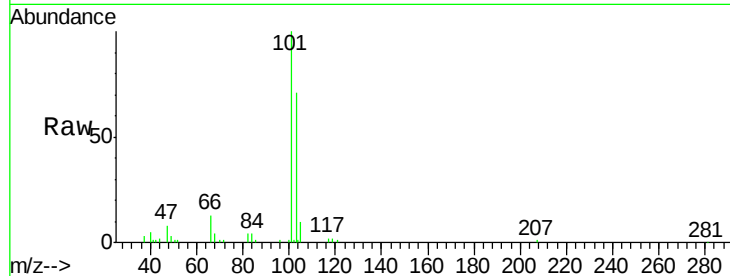
Trichlorofluoromethane
 Concen: 19.622 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. 0.01 min
 Lab File: VD066230.D
 Acq: 14 Aug 2020 12:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0814SBS01

Tot Ion:101 Resp: 96087
 Ion Ratio Lower Upper
 101 100
 103 70.6 53.0 79.6

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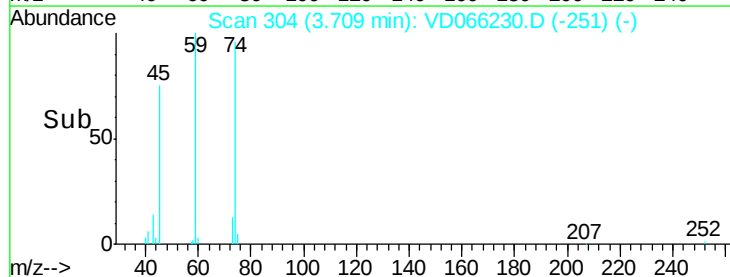
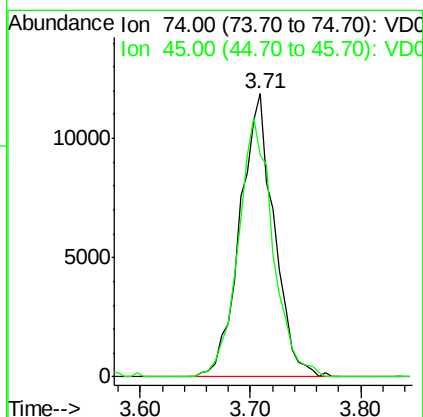
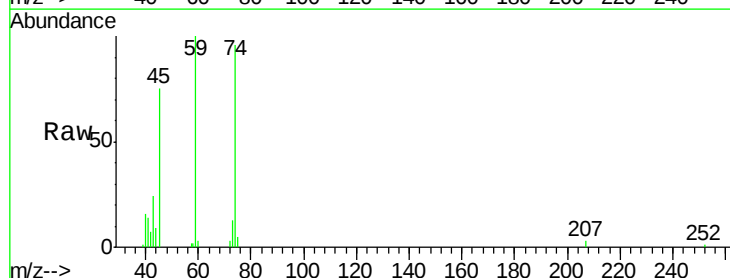
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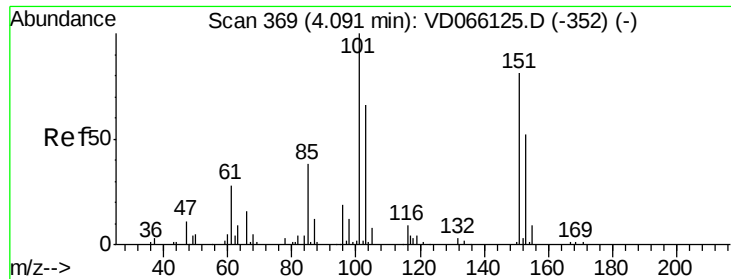


#8

Diethyl Ether
 Concen: 18.633 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.01 min
 Lab File: VD066230.D
 Acq: 14 Aug 2020 12:16

Tgt Ion: 74 Resp: 25746
 Ion Ratio Lower Upper
 74 100
 45 93.4 48.4 145.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.656 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.00 min

Lab File: VD066230.D

Acq: 14 Aug 2020 12:16

Instrument :

MSVOA_D

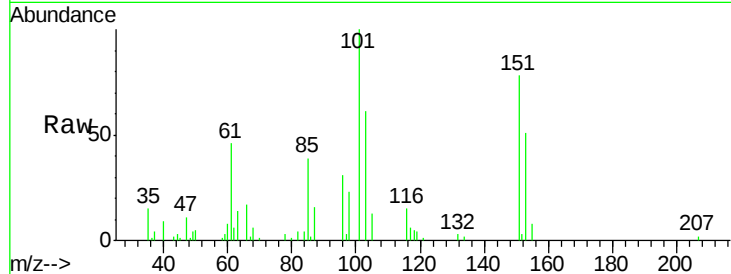
ClientSampleId :

VD0814SBS01

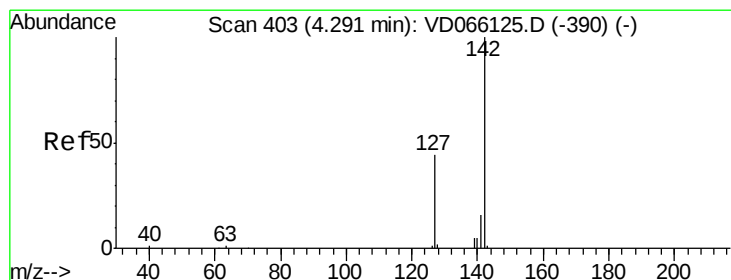
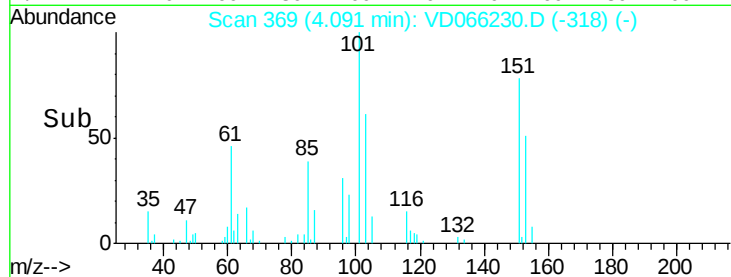
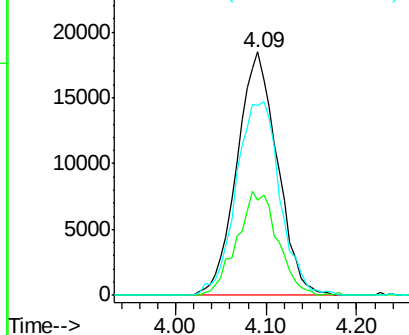
Tot Ion:	101	Resp:	57124
Ion Ratio	Lower	Upper	
101	100		
85	43.0	33.5	50.3
151	86.7	67.8	101.8

Manual Integrations
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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: 23.528 ug/l

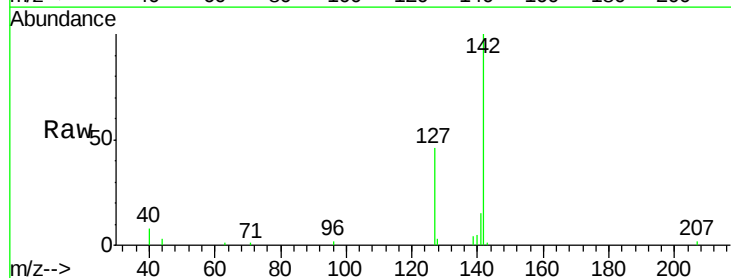
RT: 4.30 min Scan# 404

Delta R.T. 0.01 min

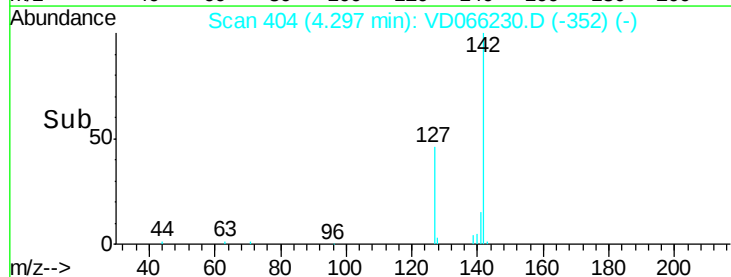
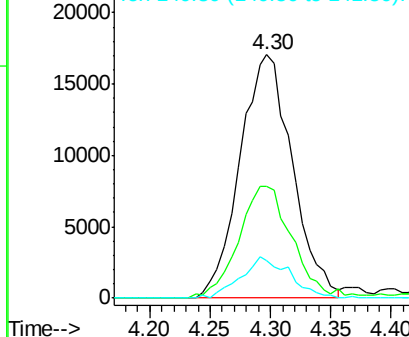
Lab File: VD066230.D

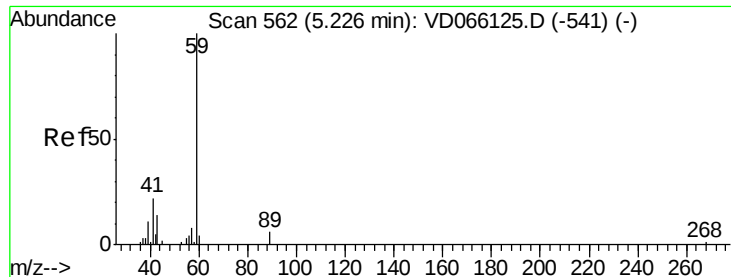
Acq: 14 Aug 2020 12:16

Tgt Ion:	142	Resp:	51392
Ion Ratio	Lower	Upper	
142	100		
127	47.1	36.2	54.4
141	15.6	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

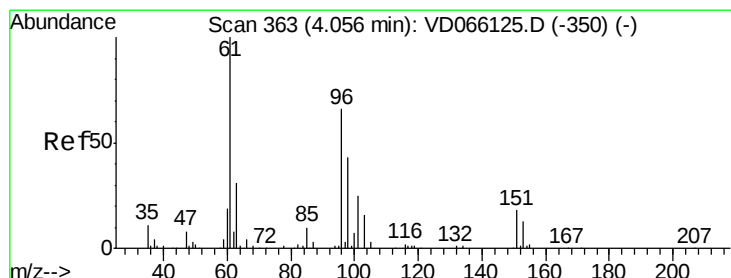
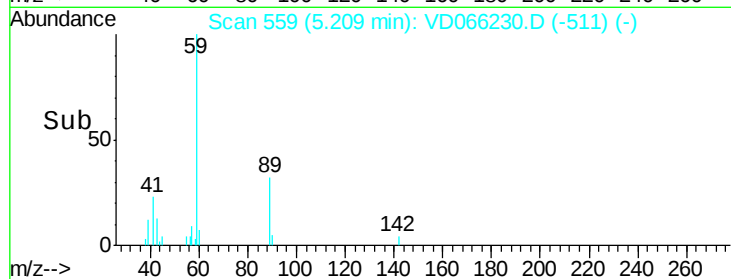
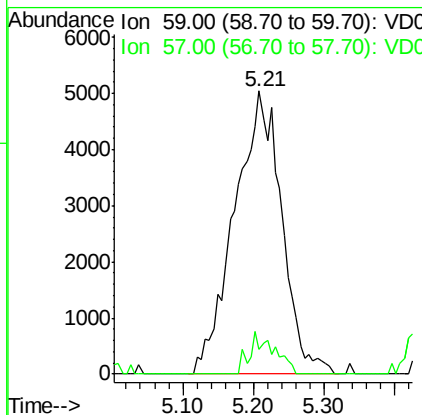
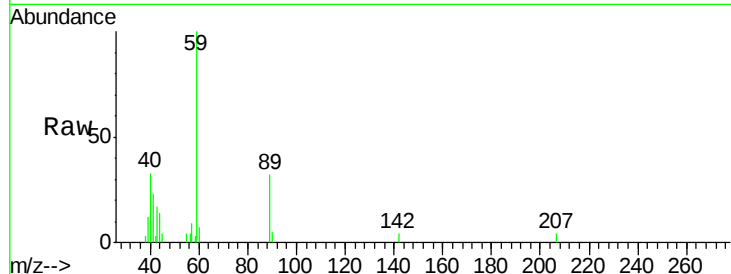
Tert butyl alcohol
 Concen: 89.137 ug/l
 RT: 5.21 min Scan# 559
 Delta R.T. -0.02 min
 Lab File: VD066230.D
 Acq: 14 Aug 2020 12:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0814SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	7.8	7.0	10.4

Manual Integrations
 APPROVED

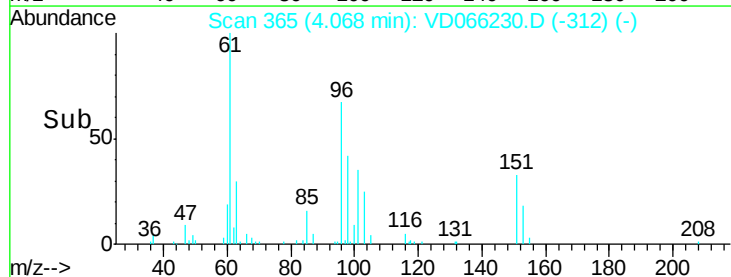
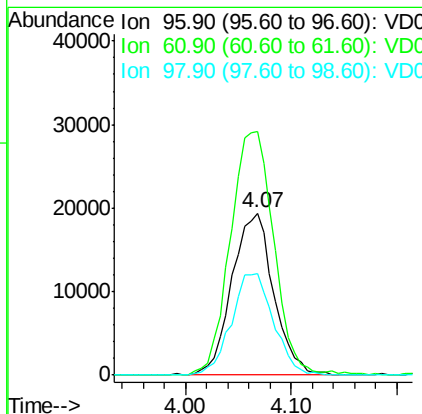
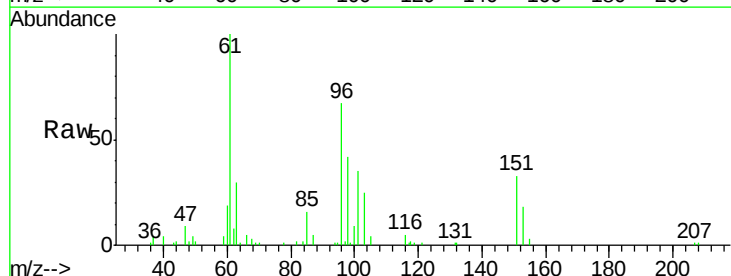
MMDadoda
 8/17/2020 5:45:55 PM

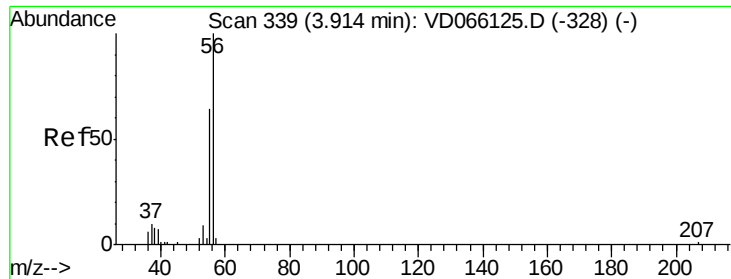


#12

1,1-Dichloroethene
 Concen: 19.362 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. 0.01 min
 Lab File: VD066230.D
 Acq: 14 Aug 2020 12:16

Tgt Ion	Ratio	Lower	Upper
96	100		
61	150.1	121.6	182.4
98	62.7	52.0	78.0





#13

Acrolein

Concen: 61.134 ug/l

RT: 3.91 min Scan# 339

Delta R.T. 0.00 min

Lab File: VD066230.D

Acq: 14 Aug 2020 12:16

Instrument :

MSVOA_D

ClientSampleId :

VD0814SBS01

Tot Ion: 56 Resp: 13439

Ion Ratio Lower Upper

56 100

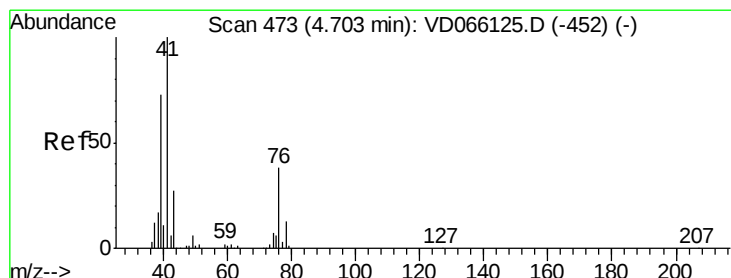
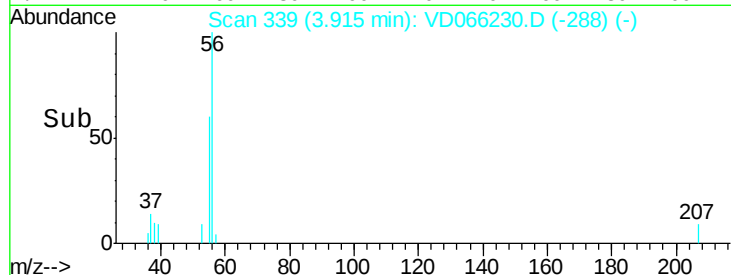
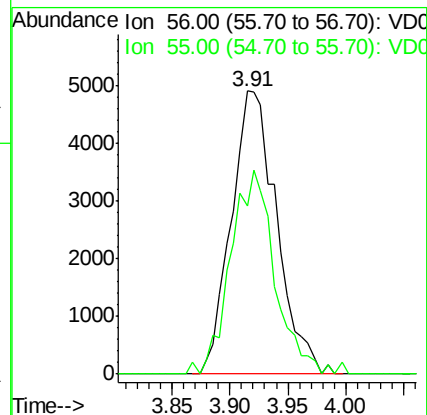
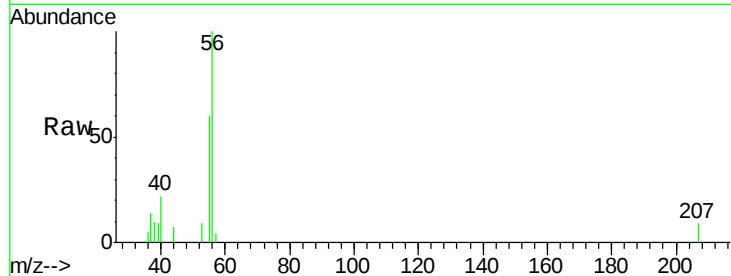
55 69.4 56.7 85.1

Manual Integrations

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8/17/2020 5:45:55 PM



#14

Allyl chloride

Concen: 17.979 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.01 min

Lab File: VD066230.D

Acq: 14 Aug 2020 12:16

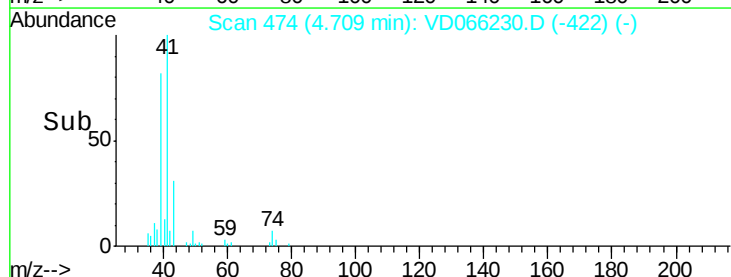
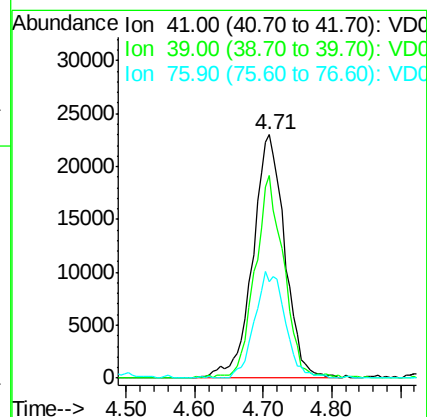
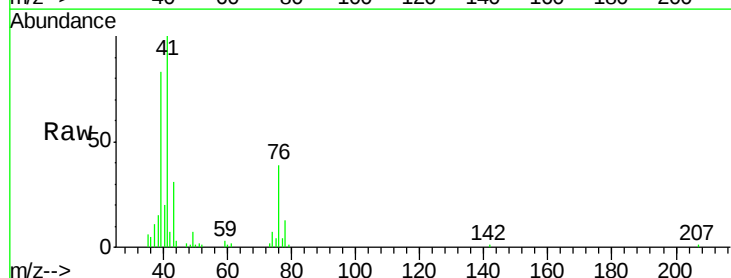
Tgt Ion: 41 Resp: 74671

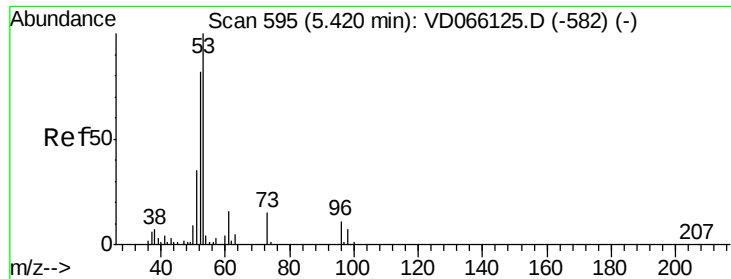
Ion Ratio Lower Upper

41 100

39 75.0 57.4 86.0

76 41.5 30.1 45.1





#15

Acrylonitrile

Concen: 86.825 ug/l

RT: 5.41 min Scan# 594

Delta R.T. -0.01 min

Lab File: VD066230.D

Acq: 14 Aug 2020 12:16

Instrument :

MSVOA_D

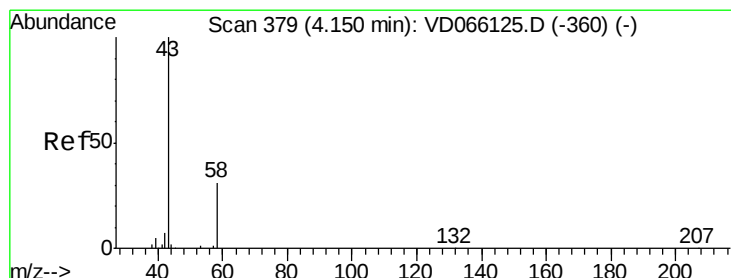
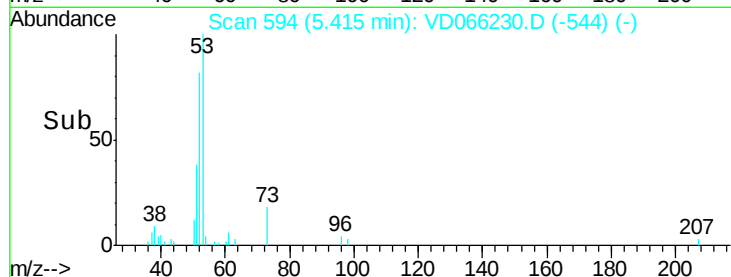
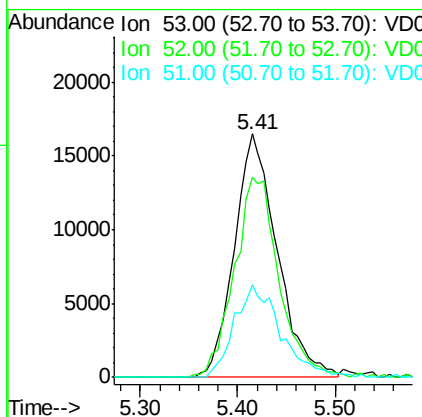
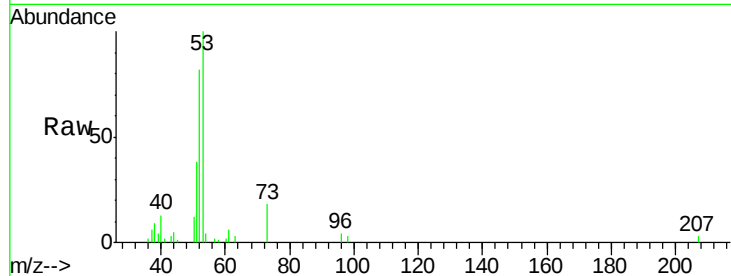
ClientSampleId :

VD0814SBS01

Tot Ion:	53	Resp:	50553
Ion Ratio	Lower	Upper	
53	100		
52	85.4	66.1	99.1
51	41.1	30.8	46.2

Manual Integrations
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#16

Acetone

Concen: 98.566 ug/l

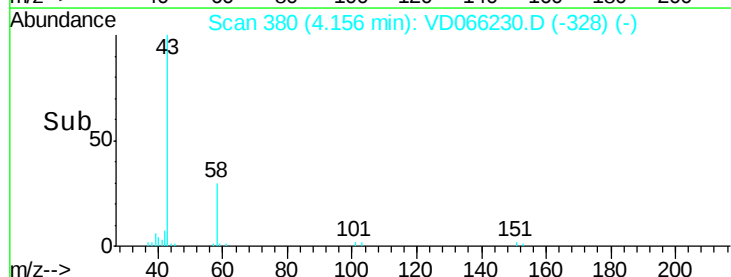
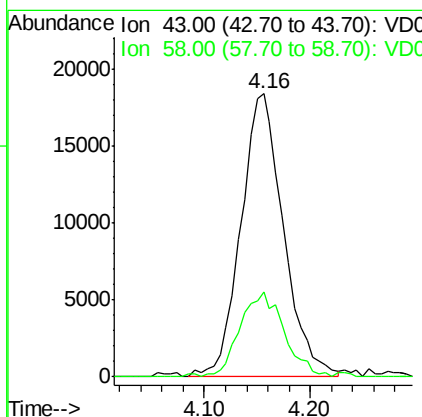
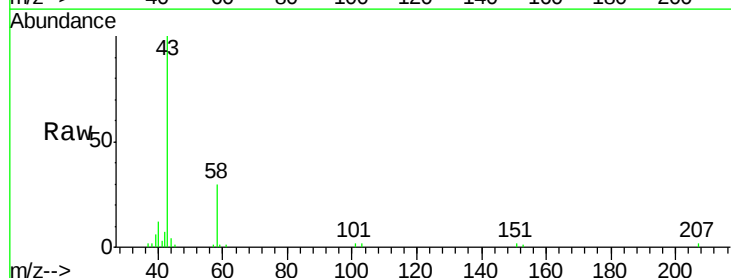
RT: 4.16 min Scan# 380

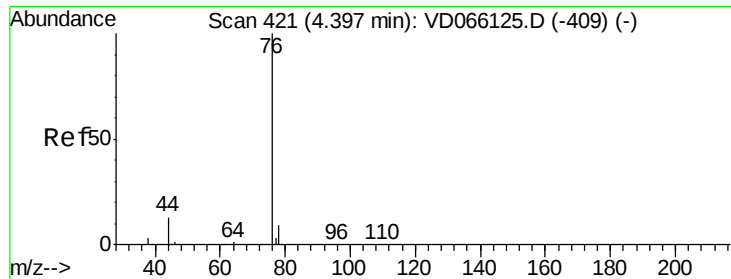
Delta R.T. 0.01 min

Lab File: VD066230.D

Acq: 14 Aug 2020 12:16

Tgt Ion:	43	Resp:	51651
Ion Ratio	Lower	Upper	
43	100		
58	29.1	24.7	37.1





#17

Carbon Disulfide

Concen: 17.673 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.01 min

Lab File: VD066230.D

Acq: 14 Aug 2020 12:16

Instrument :

MSVOA_D

ClientSampleId :

VD0814SBS01

Tot Ion: 76 Resp: 154053

Ion Ratio Lower Upper

76 100

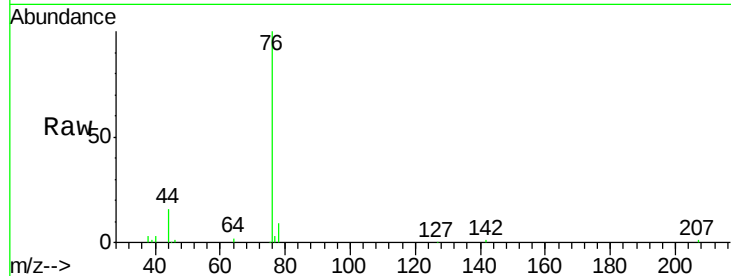
78 8.6 7.5 11.3

Manual Integrations

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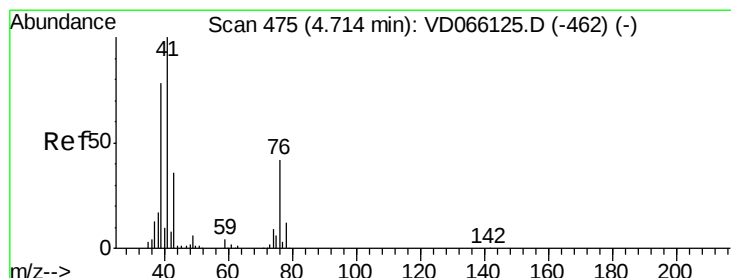
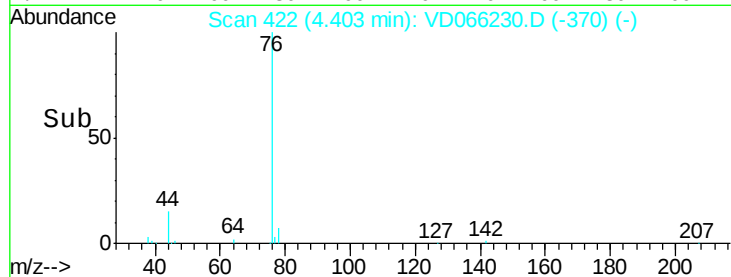
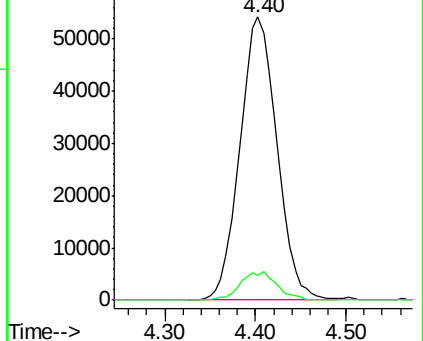
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8/17/2020 5:45:55 PM



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 17.770 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD066230.D

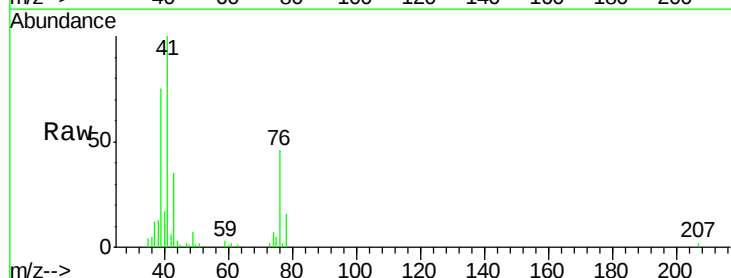
Acq: 14 Aug 2020 12:16

Tgt Ion: 43 Resp: 23652

Ion Ratio Lower Upper

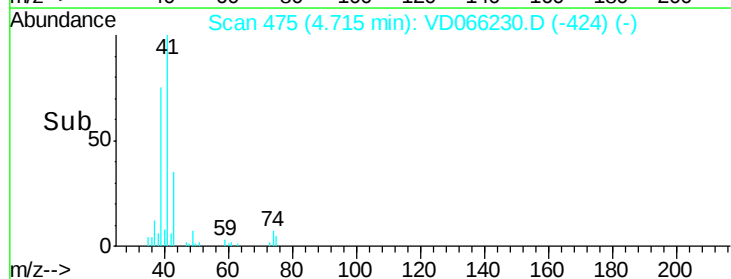
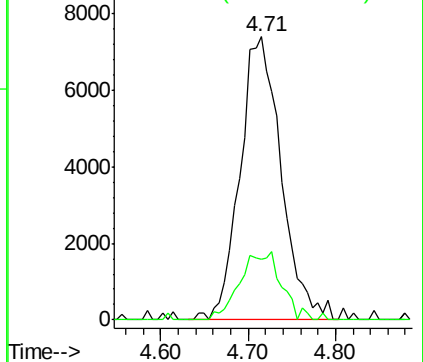
43 100

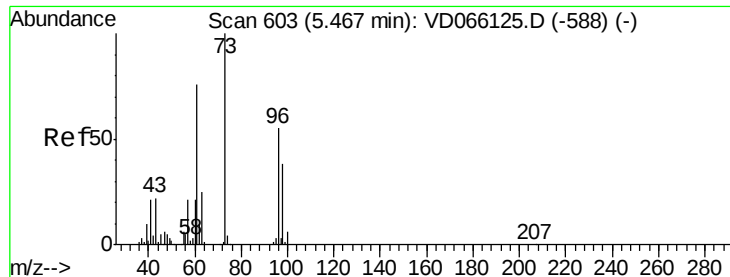
74 24.1 21.2 31.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





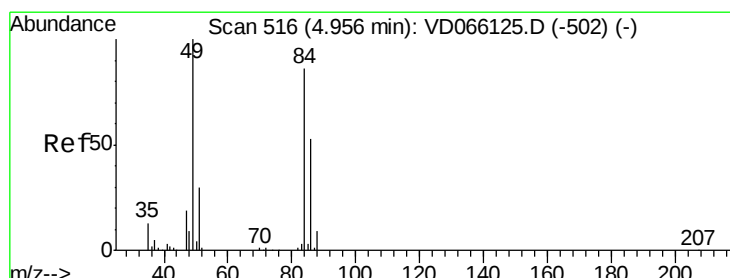
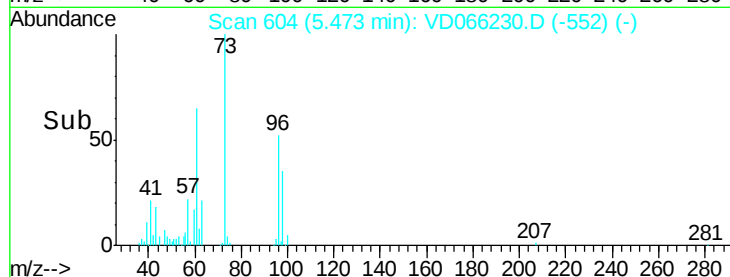
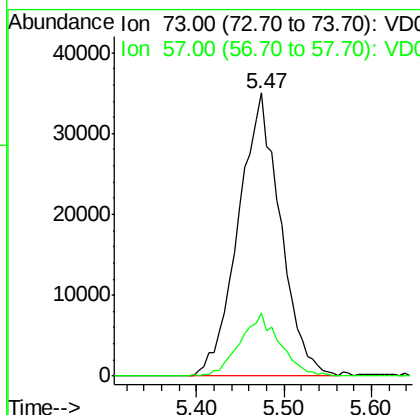
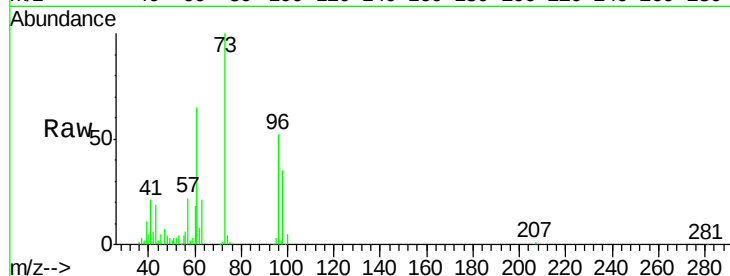
#19
Methvl tert-butvl Ether
Concen: 18.293 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.01 min
Lab File: VD066230.D
Acq: 14 Aug 2020 12:16

Instrument :
MSVOA_D
ClientSampleId :
VD0814SBS01

Tot Ion: 73 Resp: 114946
Ion Ratio Lower Upper
73 100
57 22.2 17.1 25.7

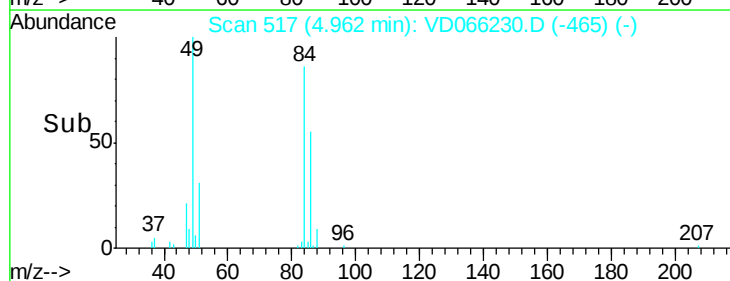
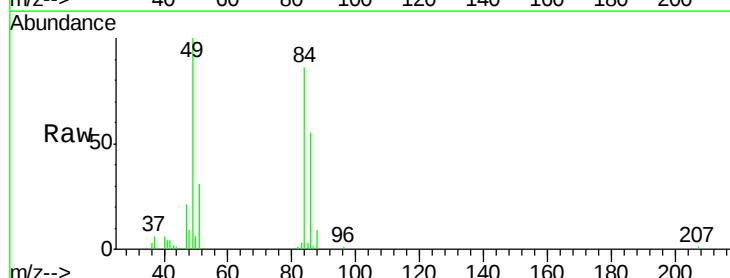
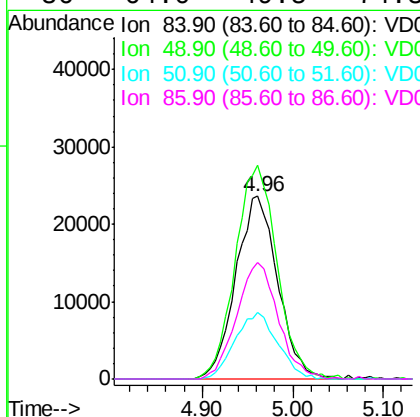
Manual Integrations
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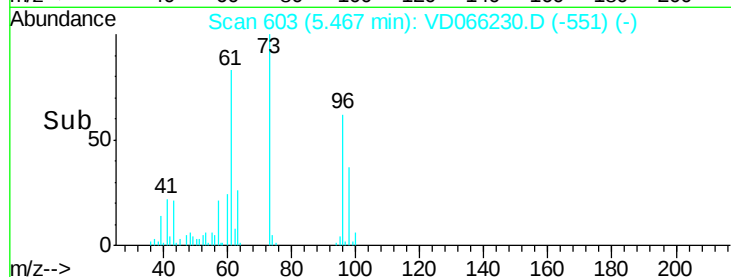
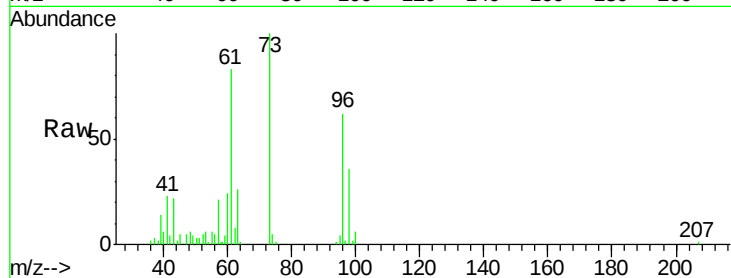
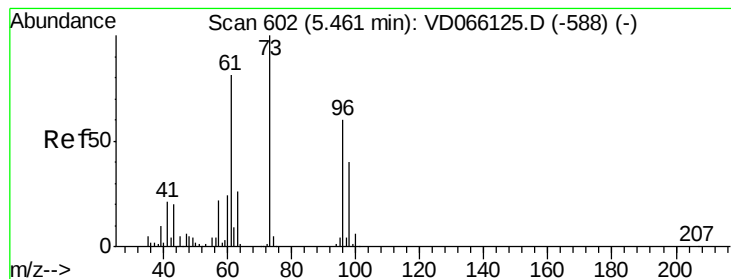
MMDadoda
8/17/2020 5:45:55 PM



#20
Methylene Chloride
Concen: 22.611 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.01 min
Lab File: VD066230.D
Acq: 14 Aug 2020 12:16

Tgt Ion: 84 Resp: 75736
Ion Ratio Lower Upper
84 100
49 116.9 93.5 140.3
51 36.2 28.2 42.4
86 64.0 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 18.775 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.01 min

Lab File: VD066230.D

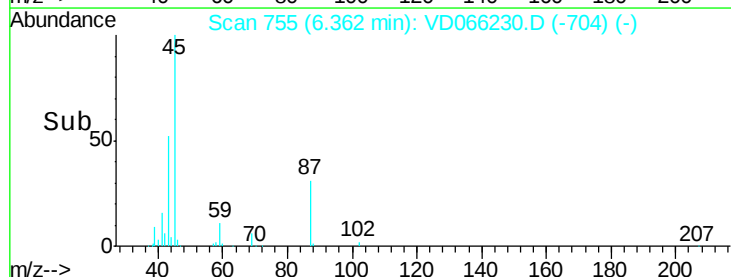
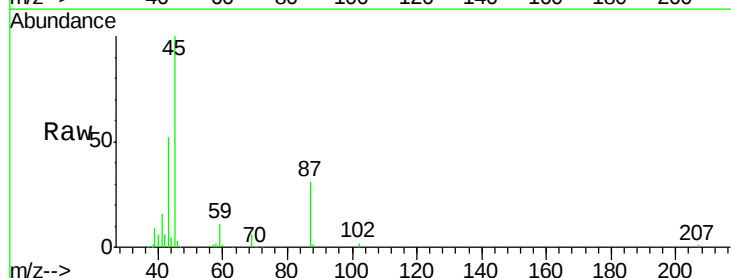
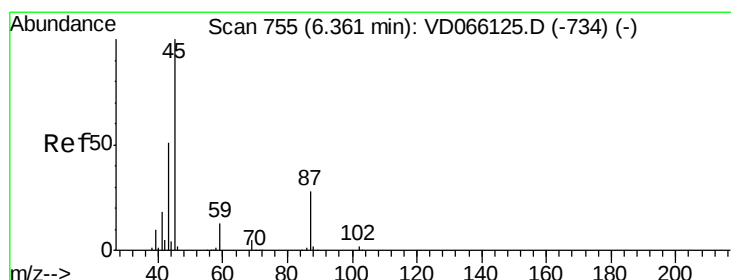
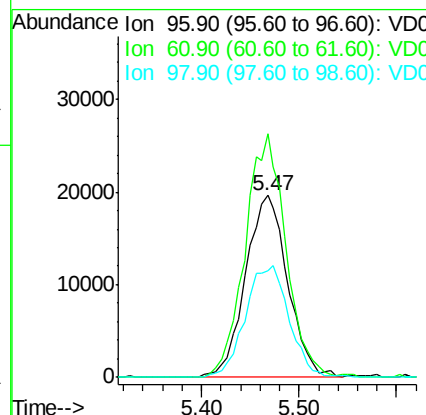
Acq: 14 Aug 2020 12:16

Tot Ion:	96	Resp:	59128
Ion	Ratio	Lower	Upper
96	100		
61	134.0	106.9	160.3
98	58.7	53.4	80.0

Instrument :
MSVOA_D
ClientSampleId :
VD0814SBS01

Manual Integrations
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8/17/2020 5:45:55 PM



#22

Diisopropyl ether

Concen: 18.469 ug/l

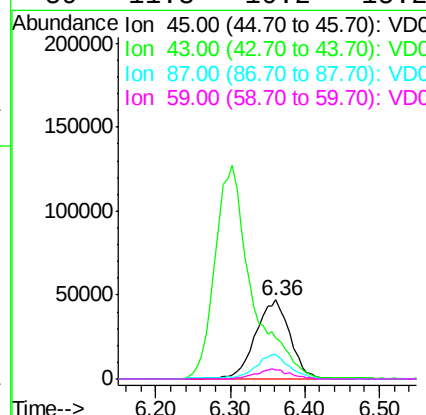
RT: 6.36 min Scan# 755

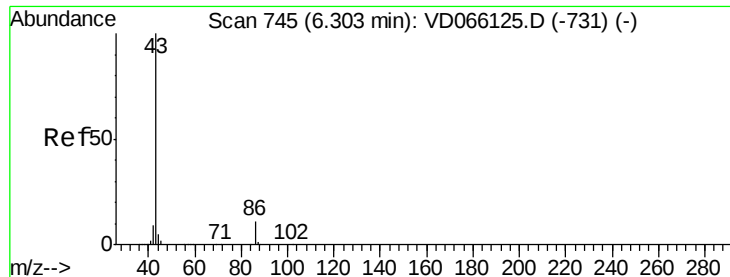
Delta R.T. 0.00 min

Lab File: VD066230.D

Acq: 14 Aug 2020 12:16

Tgt Ion:	45	Resp:	151693
Ion	Ratio	Lower	Upper
45	100		
43	51.4	41.2	61.8
87	31.1	22.8	34.2
59	11.3	10.2	15.2





#23

Vinyl Acetate

Concen: 90.652 ug/l

RT: 6.30 min Scan# 745

Delta R.T. 0.00 min

Lab File: VD066230.D

Acq: 14 Aug 2020 12:16

Instrument :

MSVOA_D

ClientSampleId :

VD0814SBS01

Tot Ion: 43 Resp: 436186

Ion Ratio Lower Upper

43 100

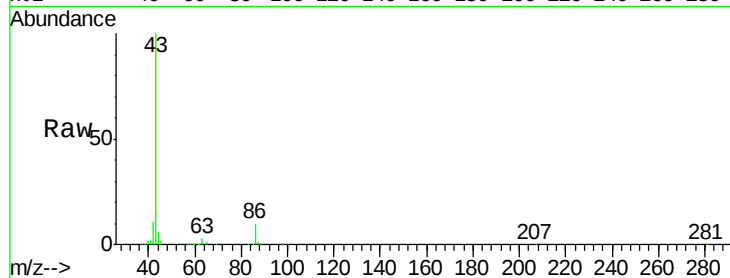
86 10.0 9.1 13.7

Manual Integrations

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MMDadoda

8/17/2020 5:45:55 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

150000

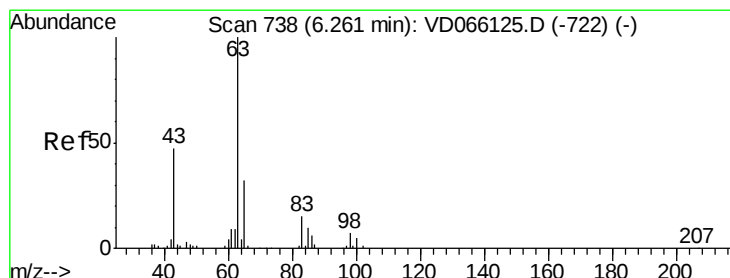
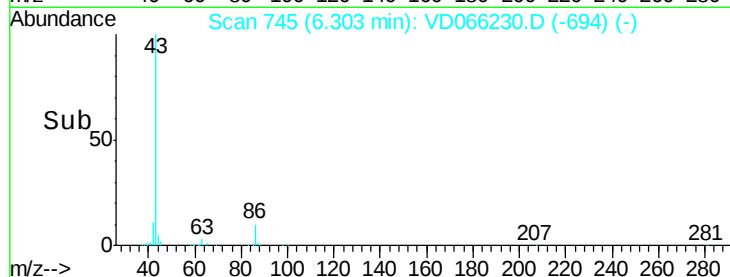
100000

50000

0

6.20 6.30 6.40 6.50

Time-->



#24

1,1-Dichloroethane

Concen: 19.074 ug/l

RT: 6.26 min Scan# 738

Delta R.T. 0.00 min

Lab File: VD066230.D

Acq: 14 Aug 2020 12:16

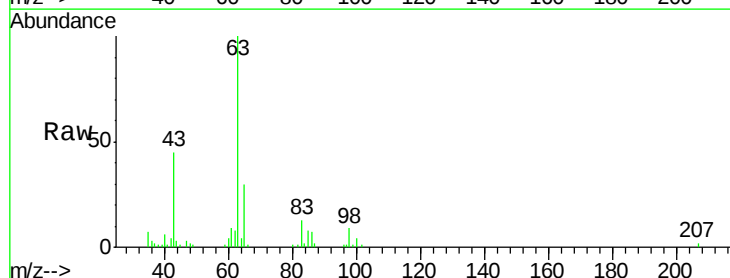
Tgt Ion: 63 Resp: 96949

Ion Ratio Lower Upper

63 100

98 9.1 3.5 10.5

100 4.3 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

40000

30000

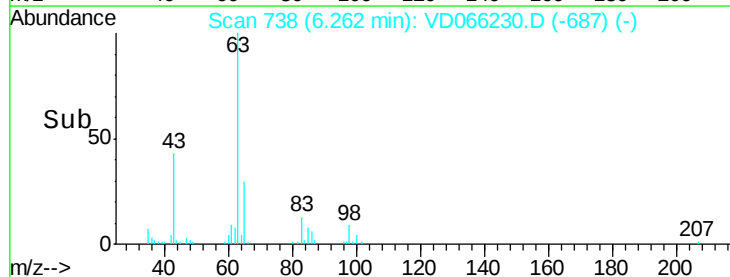
20000

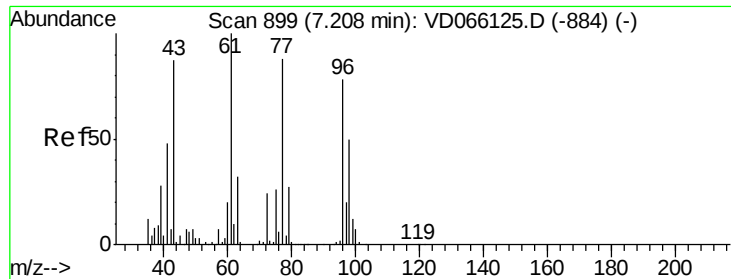
10000

0

6.10 6.20 6.30 6.40

Time-->





#25

2-Butanone

Concen: 89.849 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD066230.D

Acq: 14 Aug 2020 12:16

Instrument :

MSVOA_D

ClientSampleId :

VD0814SBS01

Tot Ion: 43 Resp: 69250

Ion Ratio Lower Upper

43 100

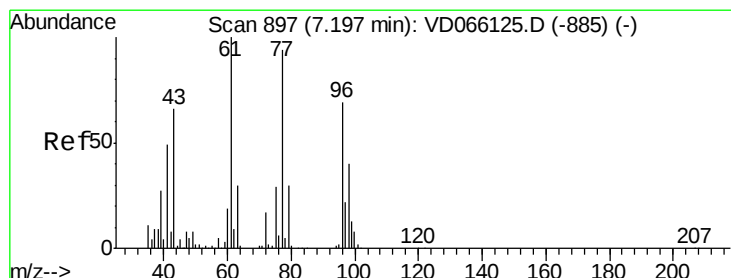
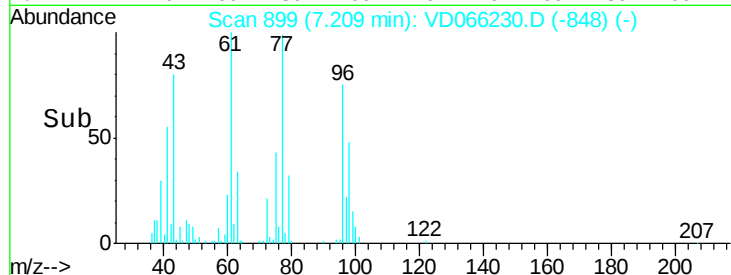
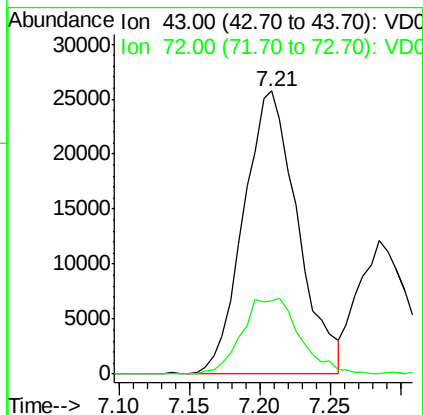
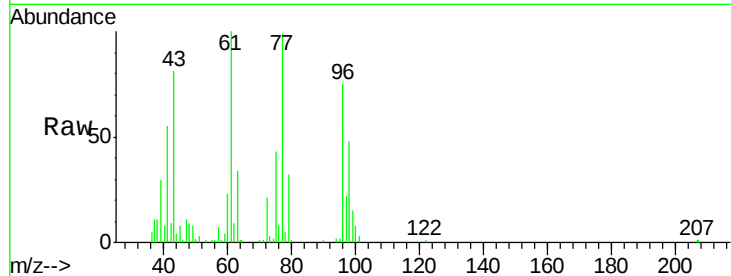
72 25.9 22.2 33.2

Manual Integrations

APPROVED

MMDadoda

8/17/2020 5:45:55 PM



#26

2,2-Dichloropropane

Concen: 20.820 ug/l

RT: 7.20 min Scan# 898

Delta R.T. 0.01 min

Lab File: VD066230.D

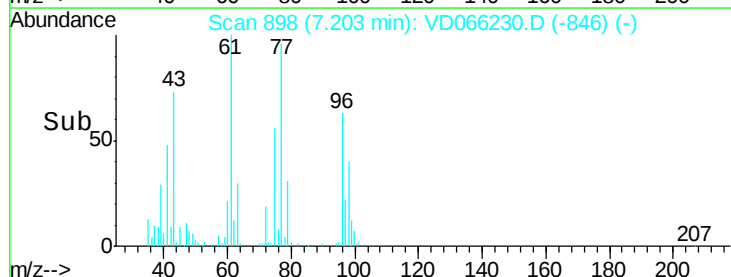
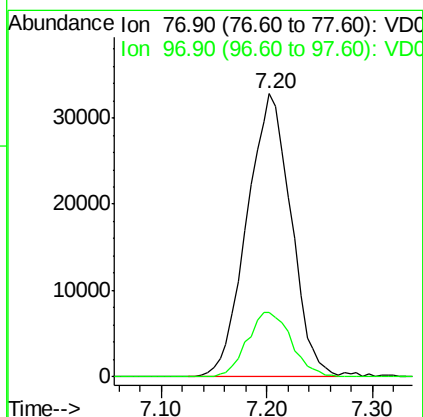
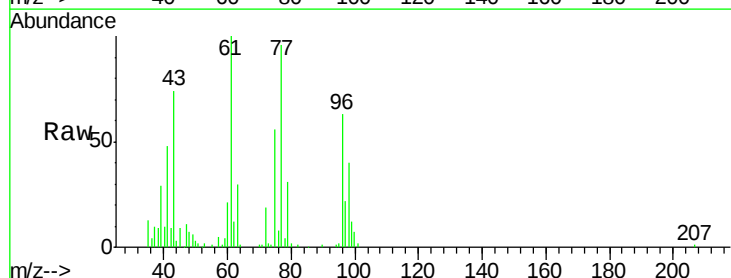
Acq: 14 Aug 2020 12:16

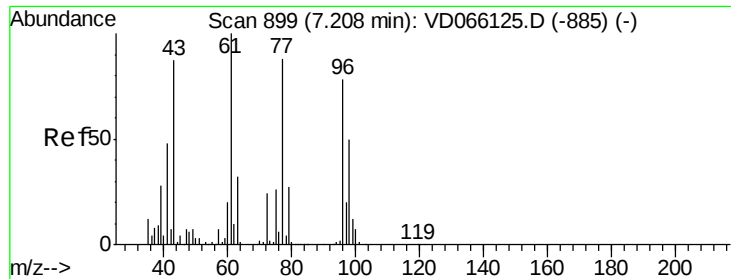
Tgt Ion: 77 Resp: 94848

Ion Ratio Lower Upper

77 100

97 22.9 11.8 35.3





#27

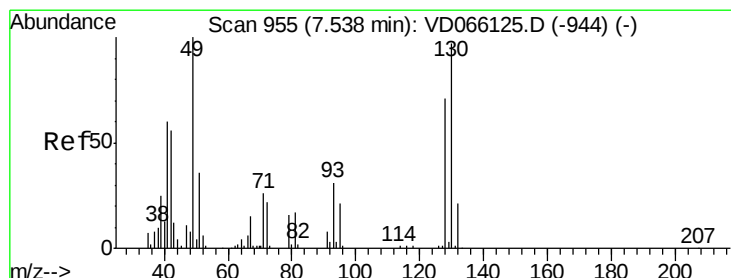
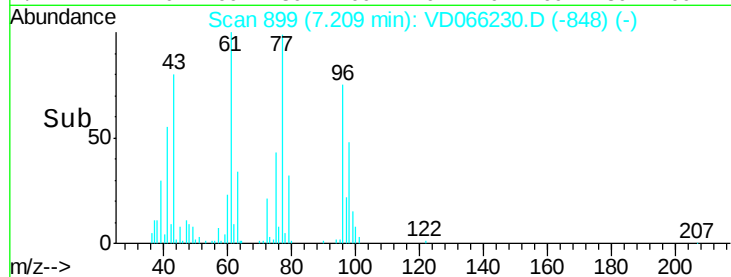
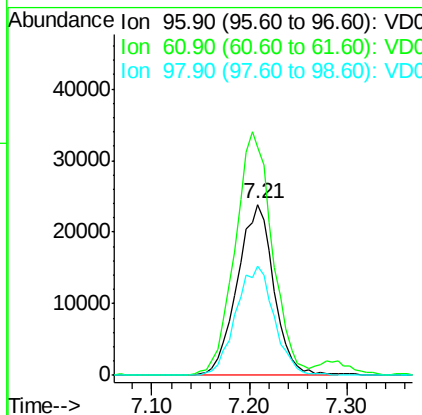
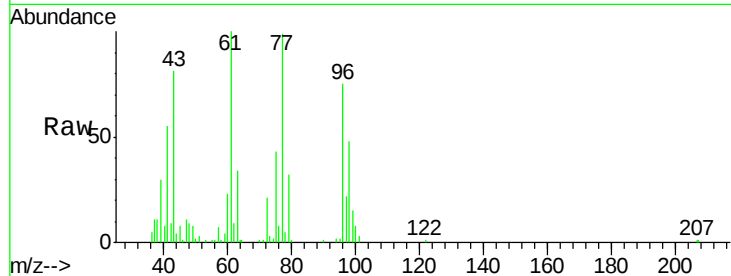
cis-1,2-Dichloroethene
 Concen: 18.926 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VD066230.D
 Acq: 14 Aug 2020 12:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0814SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.1	0.0	281.6
98	66.9	0.0	130.8

Manual Integrations
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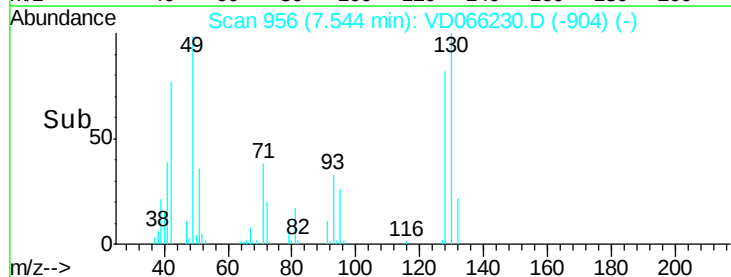
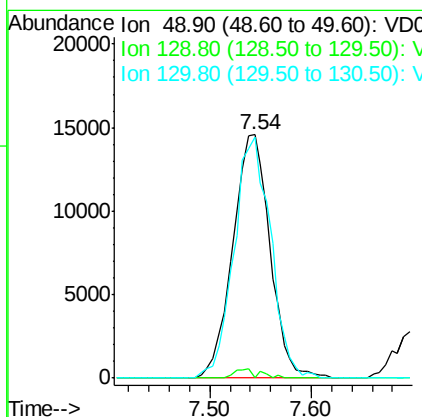
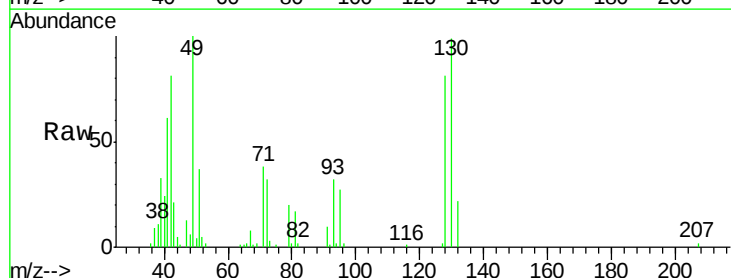
MMDadoda
 8/17/2020 5:45:55 PM

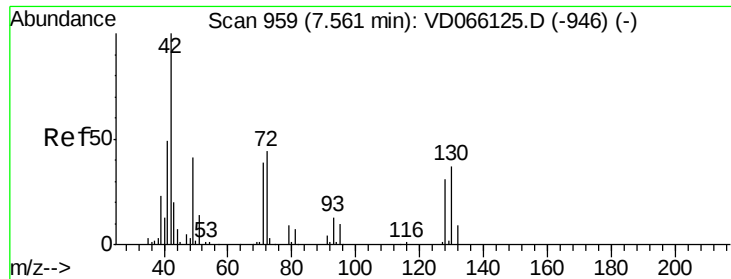


#28

Bromochloromethane
 Concen: 20.862 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. 0.01 min
 Lab File: VD066230.D
 Acq: 14 Aug 2020 12:16

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	6.0
130	97.6	73.8	110.6





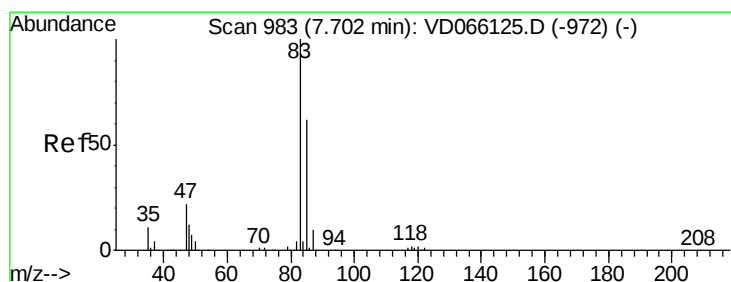
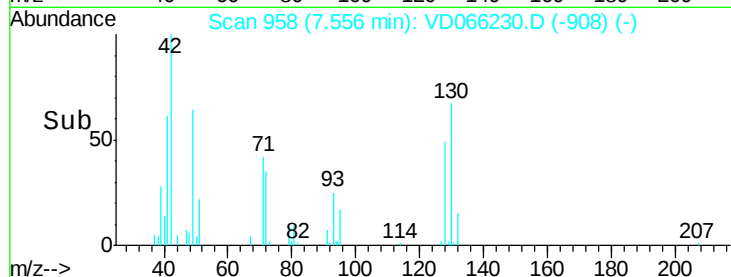
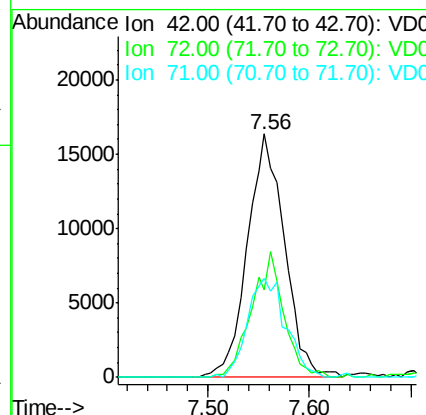
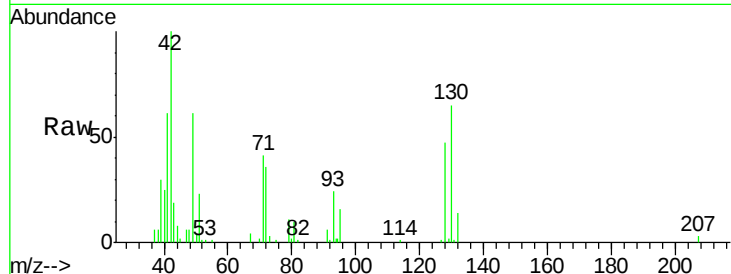
#29
Tetrahydrofuran
Concen: 87.012 ug/l
RT: 7.56 min Scan# 958
Delta R.T. -0.01 min
Lab File: VD066230.D
Acq: 14 Aug 2020 12:16

Instrument :
MSVOA_D
ClientSampleId :
VD0814SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.6	34.8	52.2
71	41.9	33.5	50.3

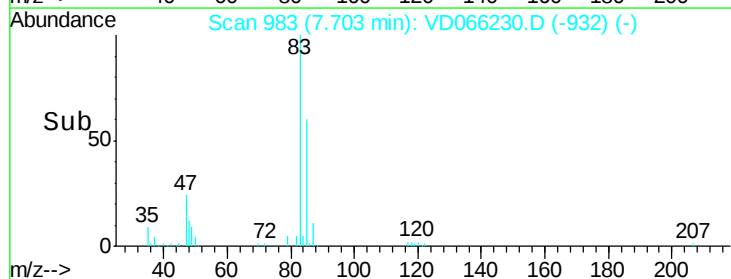
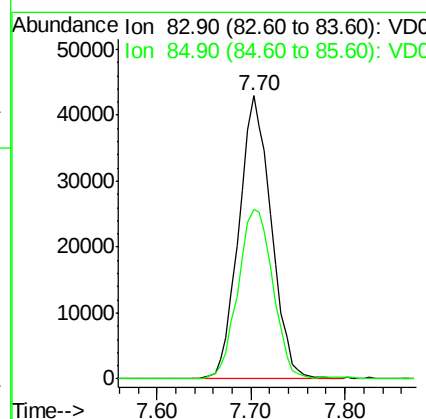
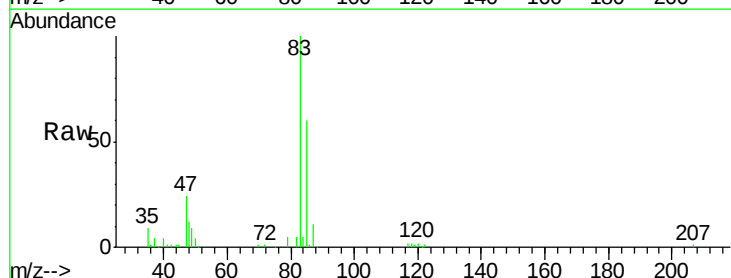
Manual Integrations
APPROVED

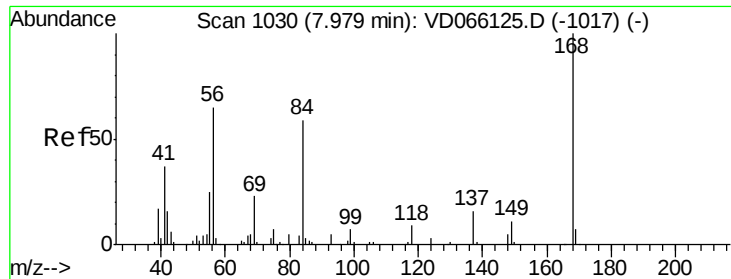
MMDadoda
8/17/2020 5:45:55 PM



#30
Chloroform
Concen: 19.239 ug/l
RT: 7.70 min Scan# 983
Delta R.T. 0.00 min
Lab File: VD066230.D
Acq: 14 Aug 2020 12:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	60.0	49.5	74.3





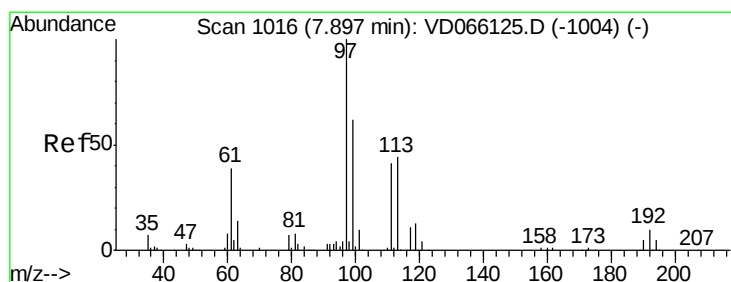
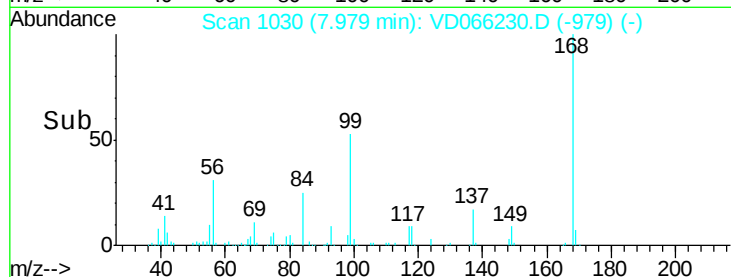
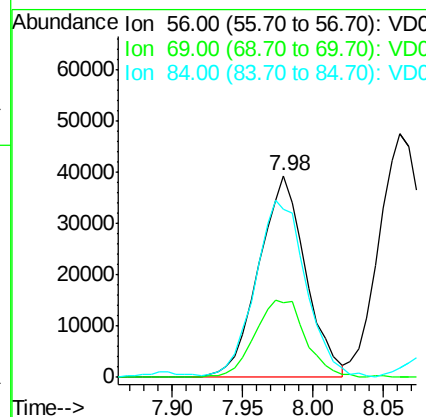
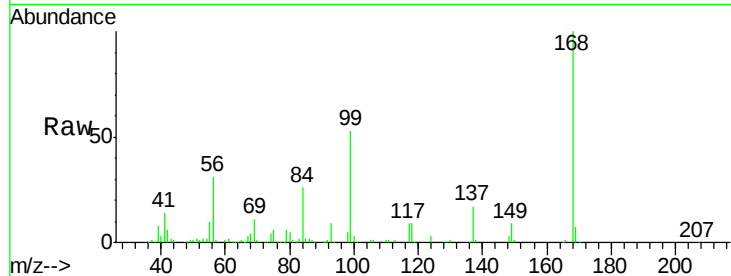
#31
Cyclohexane
Concen: 18.936 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VD066230.D
Acq: 14 Aug 2020 12:16

Instrument :
MSVOA_D
ClientSampleId :
VD0814SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.2	28.8	43.2
84	82.3	73.0	109.6

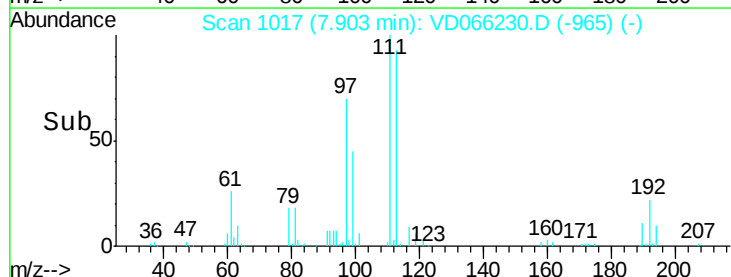
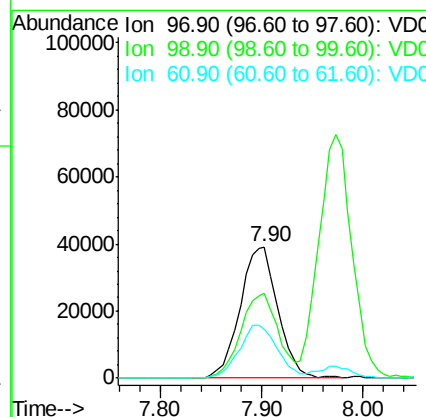
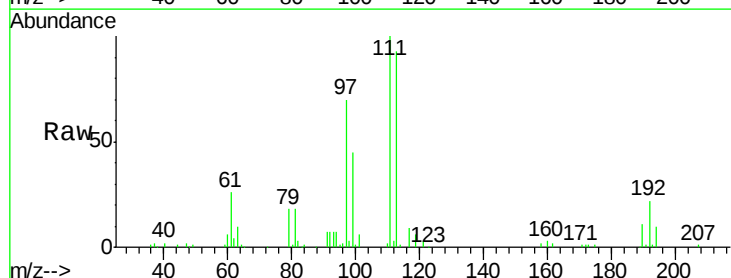
Manual Integrations
APPROVED

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8/17/2020 5:45:55 PM



#32
1,1,1-Trichloroethane
Concen: 20.100 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. 0.01 min
Lab File: VD066230.D
Acq: 14 Aug 2020 12:16

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.1	76.7
61	41.1	32.7	49.1





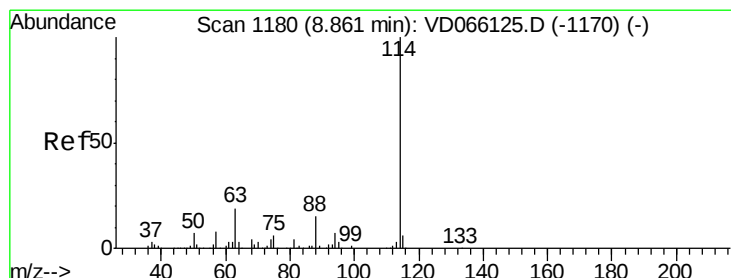
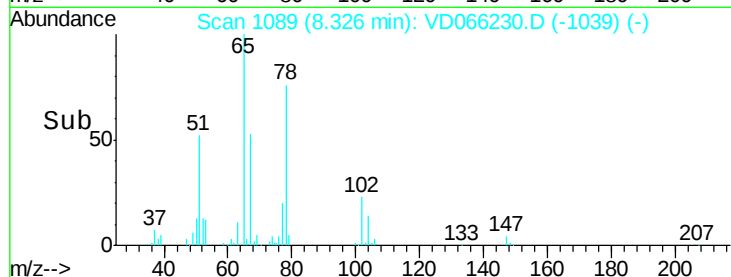
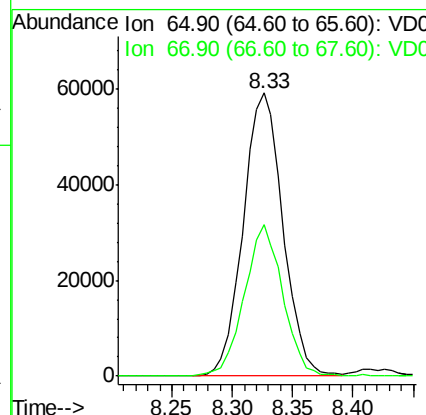
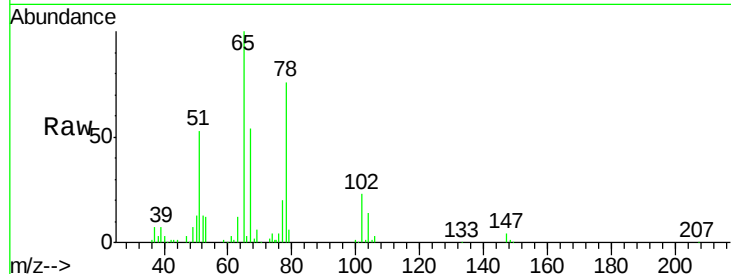
#33
 1,2-Dichloroethane-d4
 Concen: 48.938 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.01 min
 Lab File: VD066230.D
 Acq: 14 Aug 2020 12:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0814SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.0	0.0	104.6	

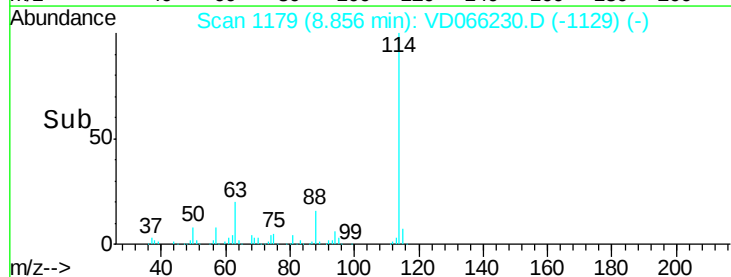
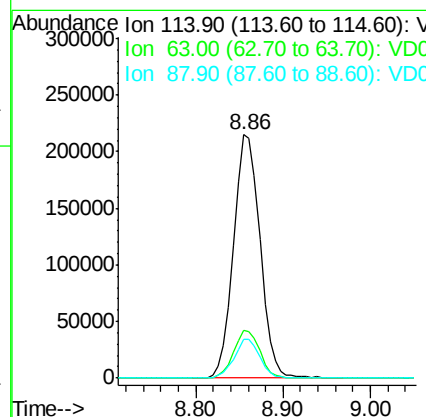
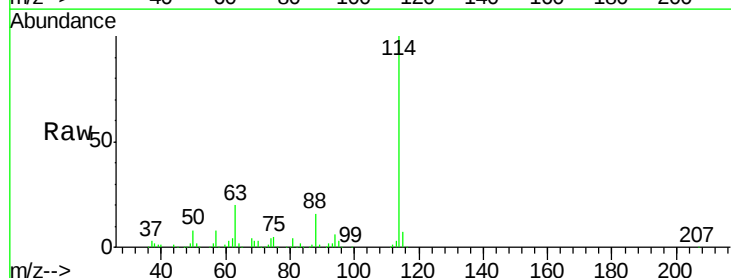
Manual Integrations
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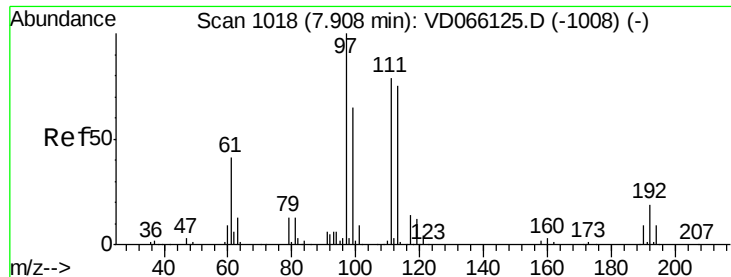
MMDadoda
 8/17/2020 5:45:55 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1179
 Delta R.T. -0.01 min
 Lab File: VD066230.D
 Acq: 14 Aug 2020 12:16

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.6	0.0	38.6	
88	16.1	0.0	30.0	





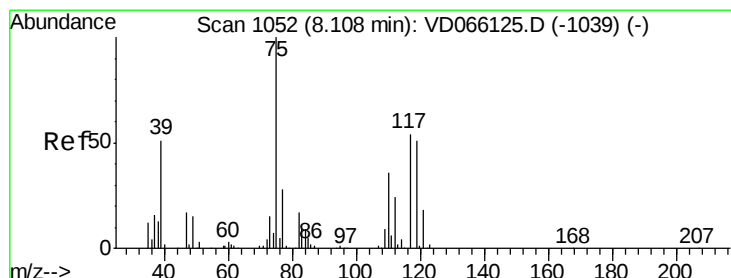
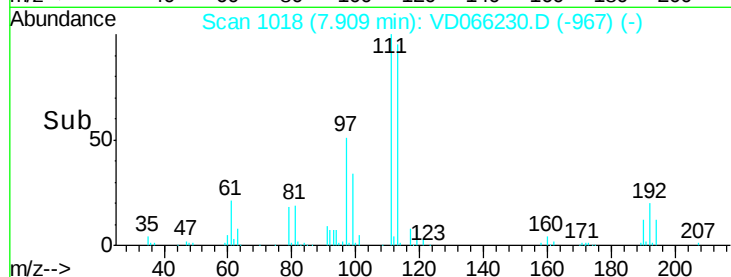
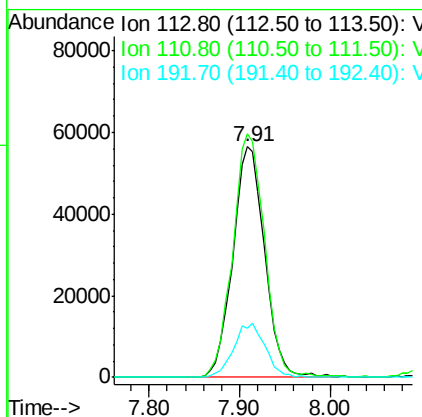
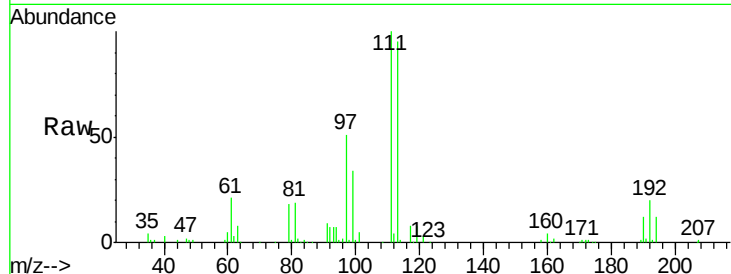
#35
 Dibromofluoromethane
 Concen: 48.990 ug/l
 RT: 7.91 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VD066230.D
 Acq: 14 Aug 2020 12:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0814SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	137665		
111	105.9	80.7	121.1	
192	23.3	18.4	27.6	

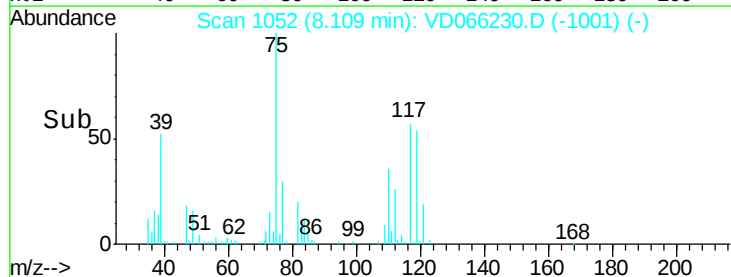
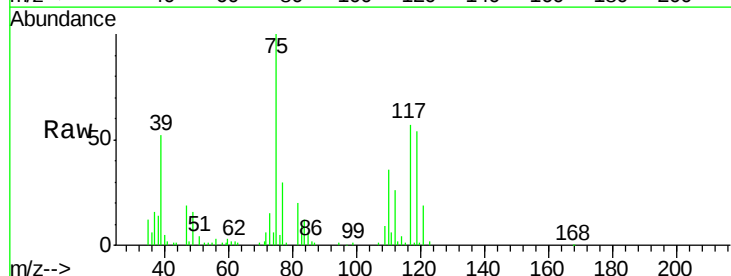
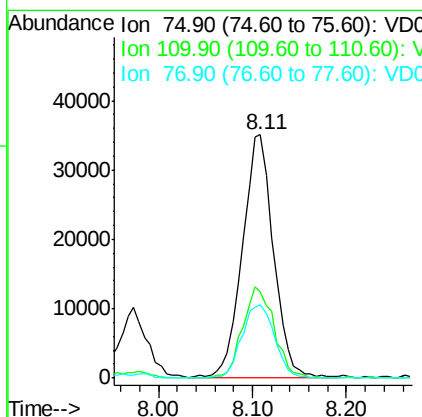
Manual Integrations
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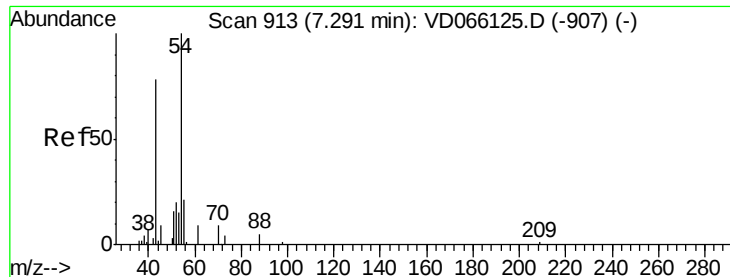
MMDadoda
 8/17/2020 5:45:55 PM



#36
 1,1-Dichloropropene
 Concen: 19.400 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VD066230.D
 Acq: 14 Aug 2020 12:16

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	80866		
110	37.7	18.8	56.3	
77	31.4	24.2	36.2	





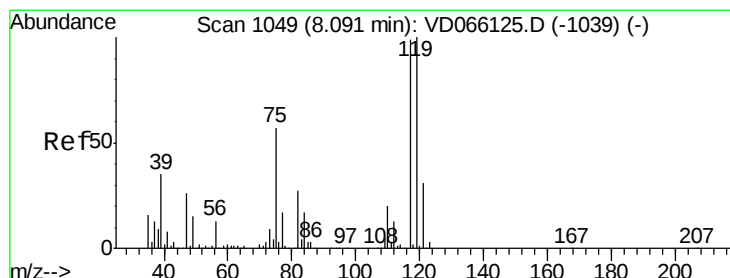
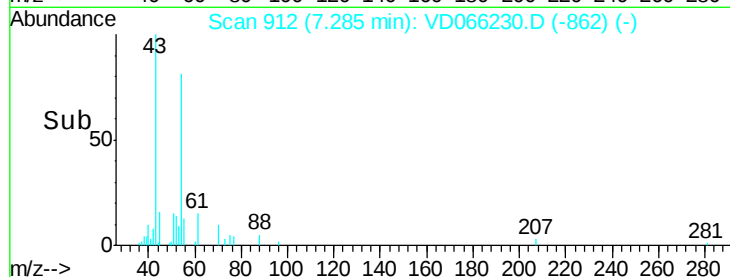
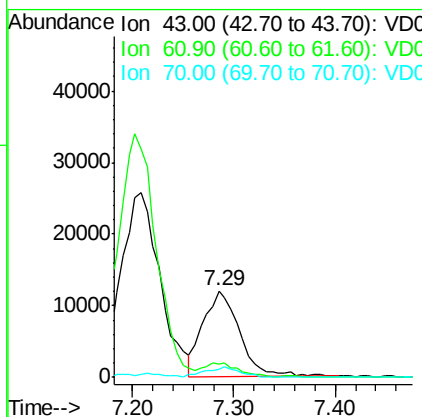
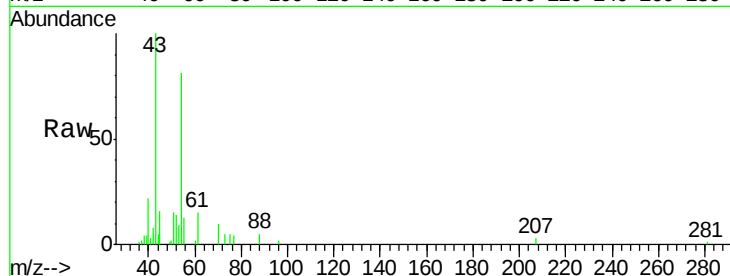
#37
Ethyl Acetate
Concen: 17.981 ug/l
RT: 7.29 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD066230.D
Acq: 14 Aug 2020 12:16

Instrument :
MSVOA_D
ClientSampleId :
VD0814SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.4	12.0	18.0
70	11.4	9.7	14.5

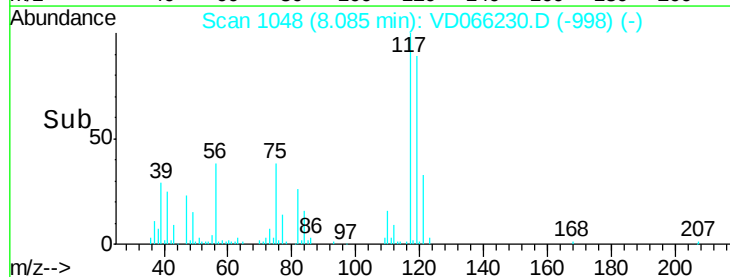
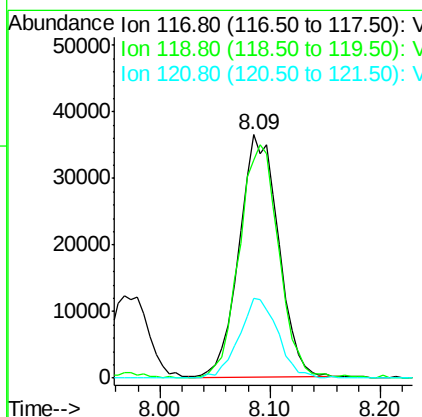
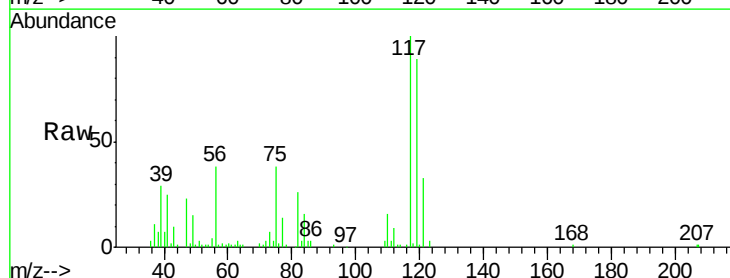
Manual Integrations
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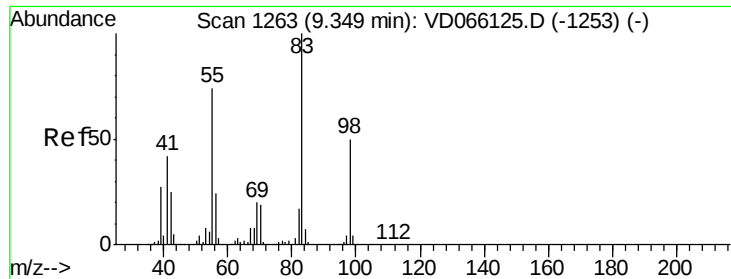
MMDadoda
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#38
Carbon Tetrachloride
Concen: 19.676 ug/l
RT: 8.09 min Scan# 1048
Delta R.T. -0.01 min
Lab File: VD066230.D
Acq: 14 Aug 2020 12:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	89.9	81.0	121.4
121	33.0	24.8	37.2





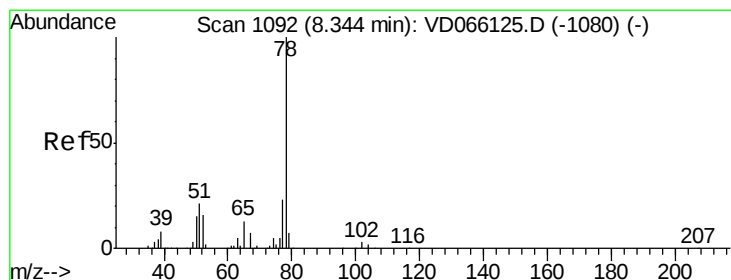
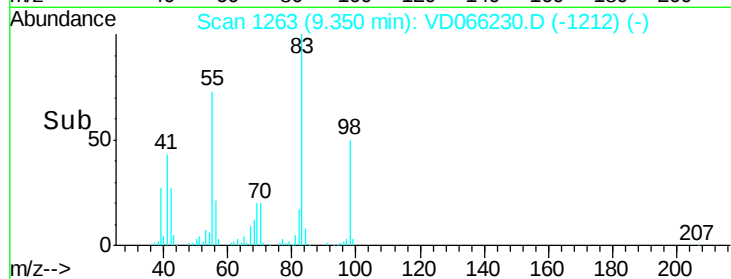
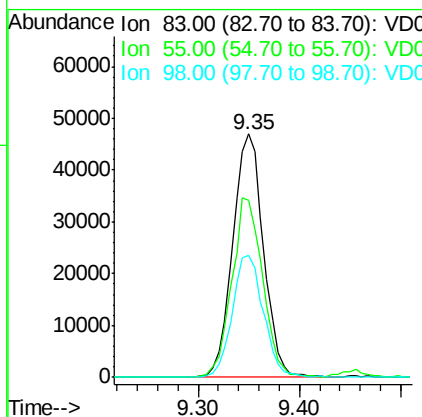
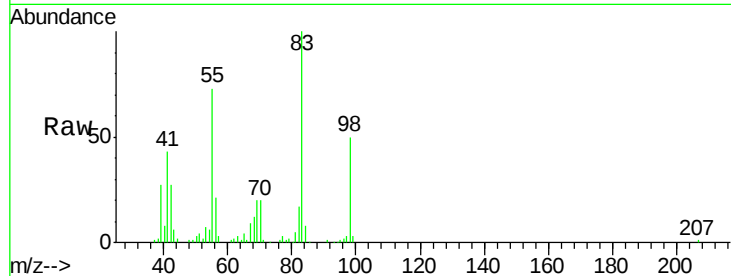
#39
Methvlcvclohexane
Concen: 19.617 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VD066230.D
Acq: 14 Aug 2020 12:16

Instrument :
MSVOA_D
ClientSampleId :
VD0814SBS01

Tot Ion	83	Resp	98848
Ion	Ratio	Lower	Upper
83	100		
55	72.6	59.2	88.8
98	50.2	39.8	59.6

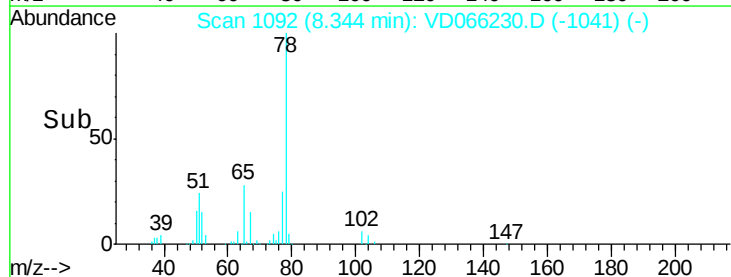
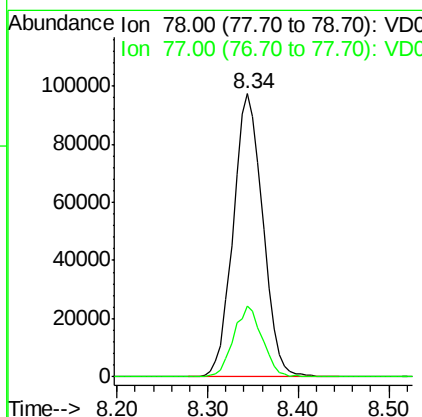
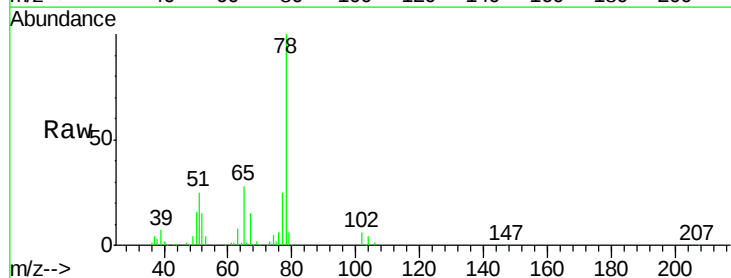
Manual Integrations
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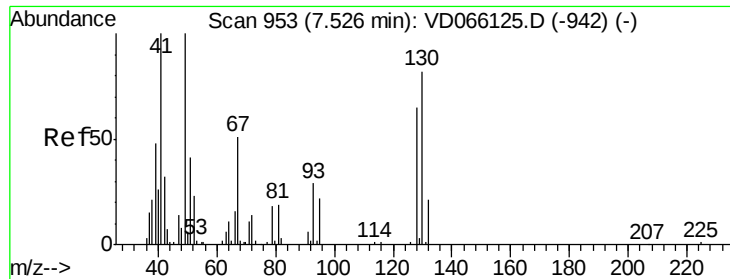
MMDadoda
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#40
Benzene
Concen: 19.115 ug/l
RT: 8.34 min Scan# 1092
Delta R.T. 0.00 min
Lab File: VD066230.D
Acq: 14 Aug 2020 12:16

Tgt Ion	78	Resp	221031
Ion	Ratio	Lower	Upper
78	100		
77	25.0	18.6	27.8





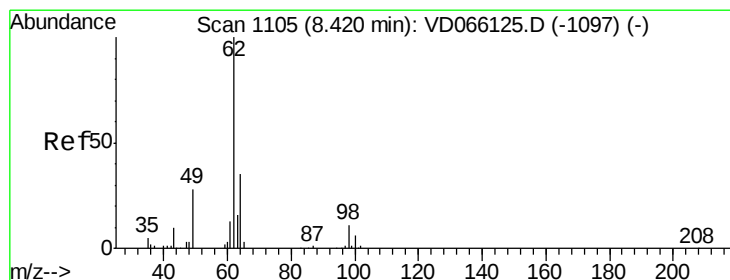
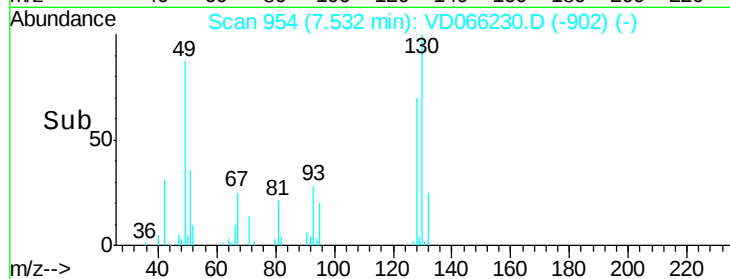
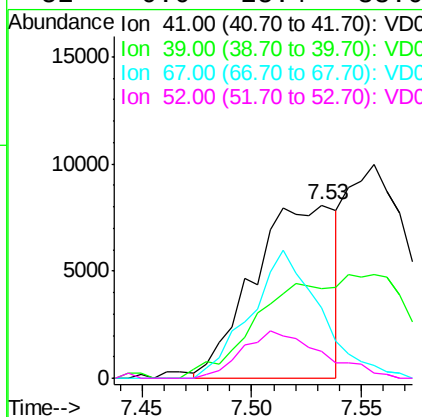
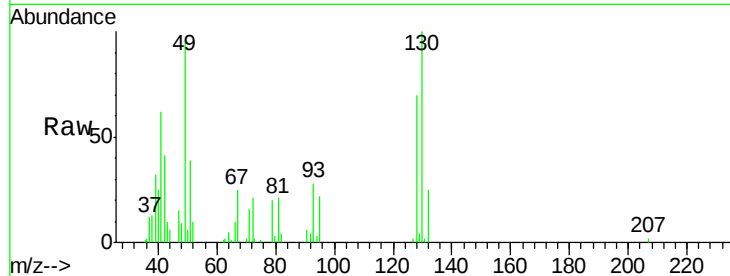
#41
Methacrylonitrile
Concen: 21.712 ug/l m
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD066230.D
Acq: 14 Aug 2020 12:16

Instrument :
MSVOA_D
ClientSampleId :
VD0814SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	107.4	47.5	71.3#
67	0.0	59.1	88.7#
52	0.0	25.4	38.0#

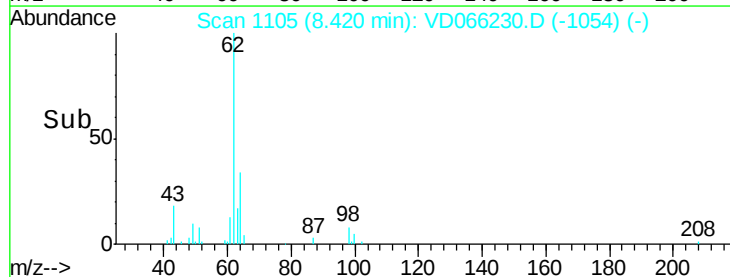
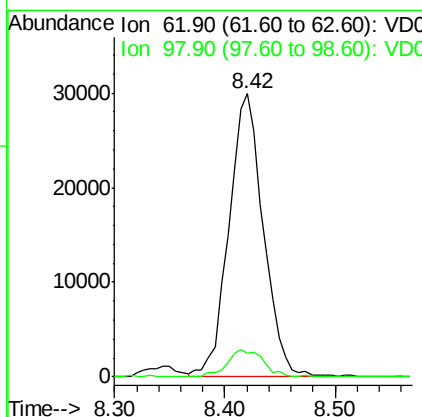
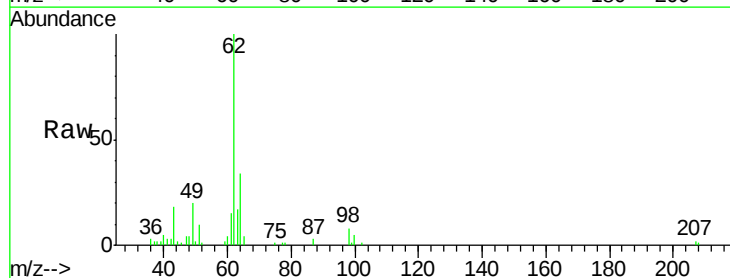
Manual Integrations
APPROVED

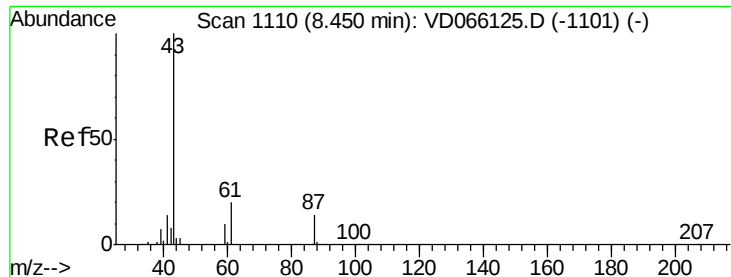
MMDadoda
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#42
1,2-Dichloroethane
Concen: 19.309 ug/l
RT: 8.42 min Scan# 1105
Delta R.T. 0.00 min
Lab File: VD066230.D
Acq: 14 Aug 2020 12:16

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	20.4





#43

Isopropyl Acetate

Concen: 17.558 ug/l

RT: 8.44 min Scan# 1109

Delta R.T. -0.01 min

Lab File: VD066230.D

Acq: 14 Aug 2020 12:16

Instrument :

MSVOA_D

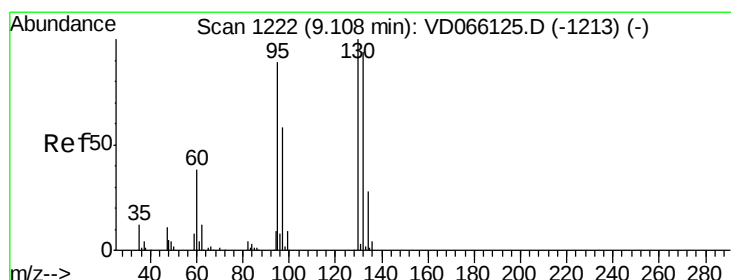
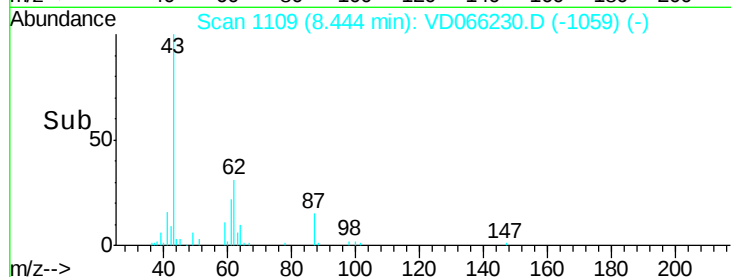
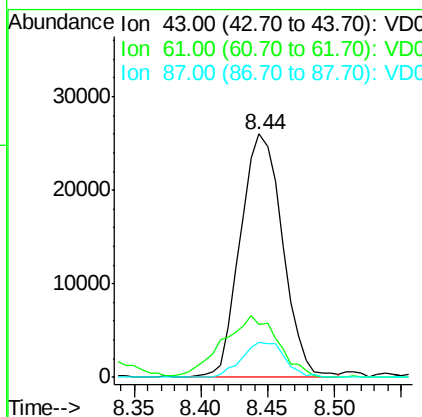
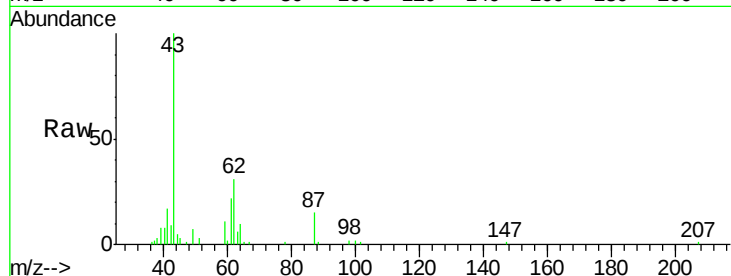
ClientSampleId :

VD0814SBS01

Tot Ion:	43	Resp:	57135
Ion	Ratio	Lower	Upper
43	100		
61	33.3	25.5	38.3
87	14.7	11.2	16.8

Manual Integrations
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8/17/2020 5:45:55 PM



#44

Trichloroethene

Concen: 19.854 ug/l

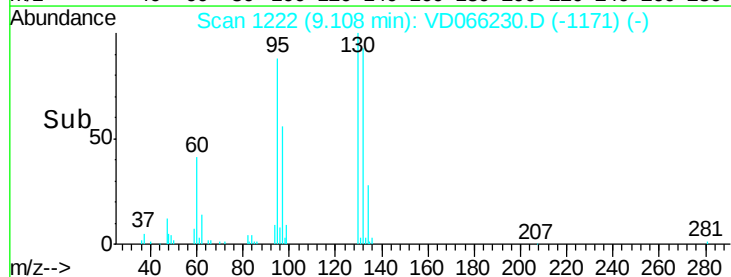
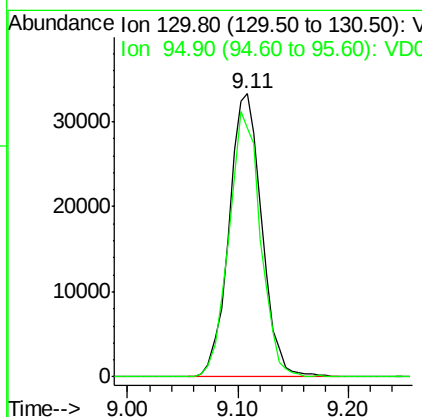
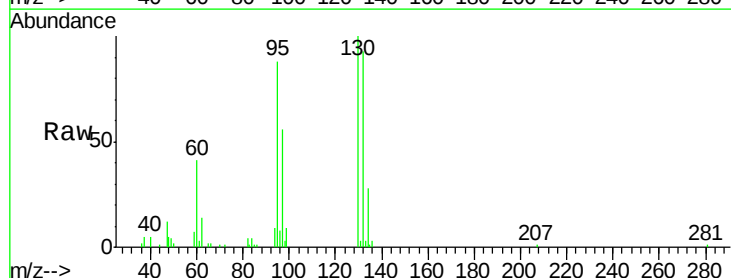
RT: 9.11 min Scan# 1222

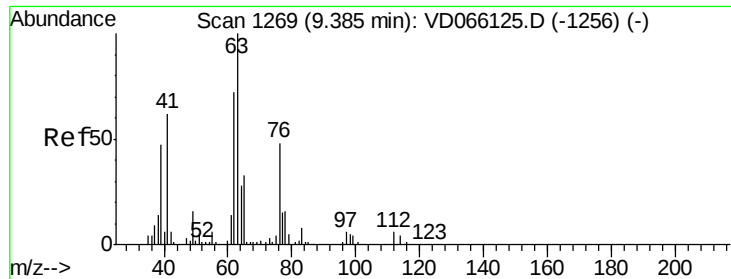
Delta R.T. 0.00 min

Lab File: VD066230.D

Acq: 14 Aug 2020 12:16

Tgt Ion:	130	Resp:	69181
Ion	Ratio	Lower	Upper
130	100		
95	87.9	0.0	178.4





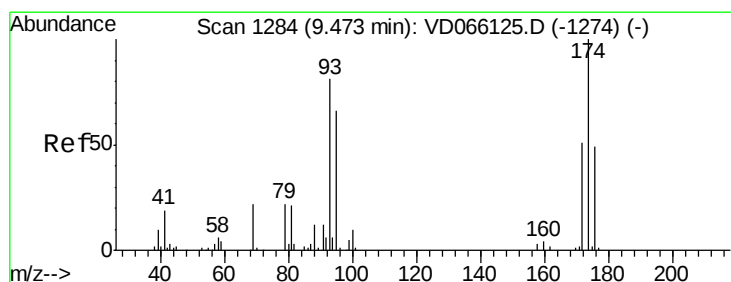
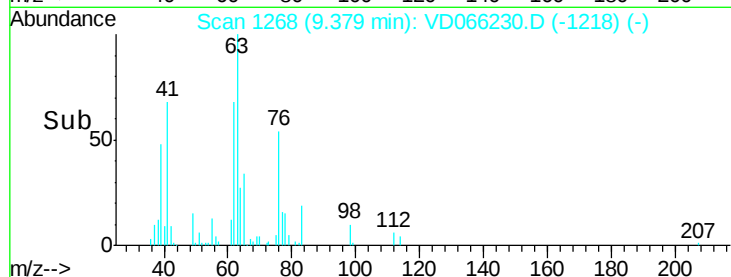
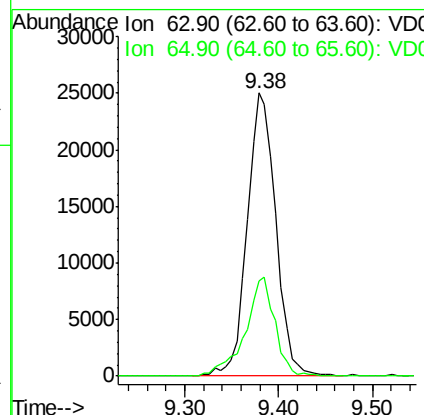
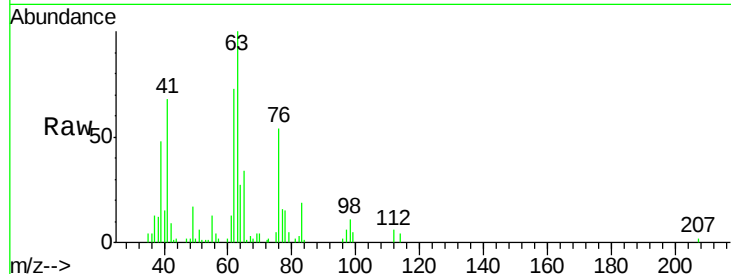
#45
 1,2-Dichloropropane
 Concen: 18.630 ug/l
 RT: 9.38 min Scan# 1268
 Delta R.T. -0.01 min
 Lab File: VD066230.D
 Acq: 14 Aug 2020 12:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0814SBS01

Tot Ion: 63 Resp: 52687
 Ion Ratio Lower Upper
 63 100
 65 33.6 26.5 39.7

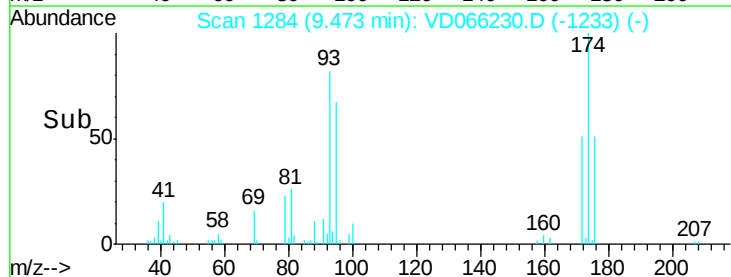
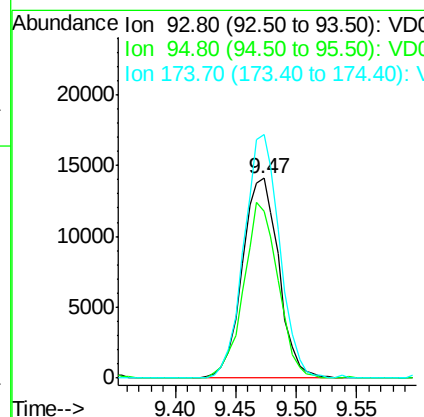
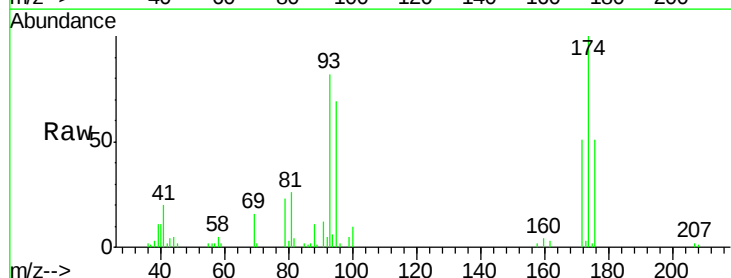
Manual Integrations
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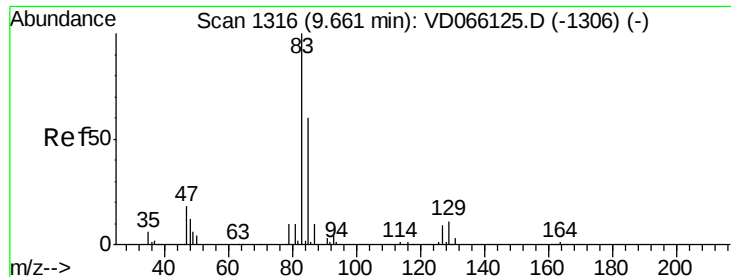
MMDadoda
 8/17/2020 5:45:55 PM



#46
 Dibromomethane
 Concen: 19.021 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. 0.00 min
 Lab File: VD066230.D
 Acq: 14 Aug 2020 12:16

Tgt Ion: 93 Resp: 29631
 Ion Ratio Lower Upper
 93 100
 95 83.0 65.8 98.6
 174 118.9 92.8 139.2





#47

Bromodichloromethane

Concen: 18.942 ug/l

RT: 9.66 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VD066230.D

Acq: 14 Aug 2020 12:16

Instrument :

MSVOA_D

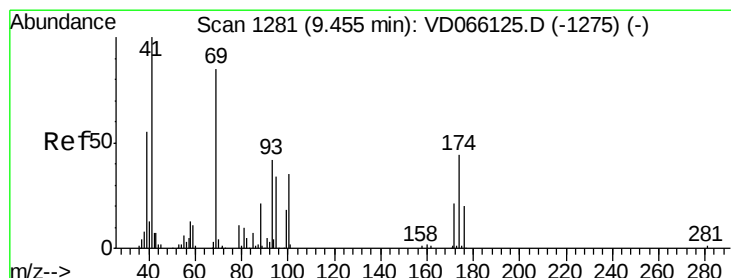
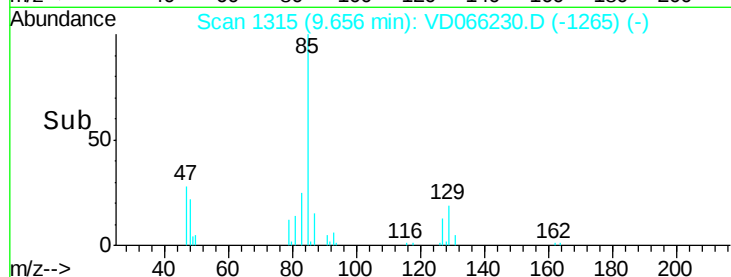
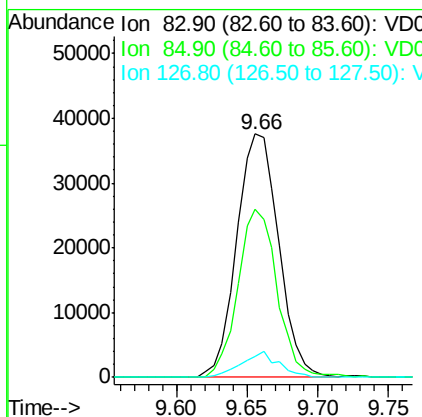
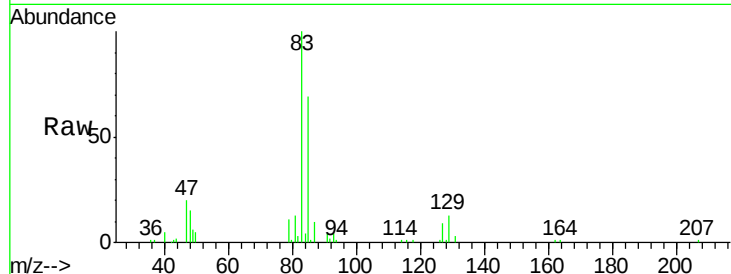
ClientSampleId :

VD0814SBS01

Tot Ion:	83	Resp:	77988
Ion	Ratio	Lower	Upper
83	100		
85	69.1	48.2	72.4
127	8.7	7.3	10.9

Manual Integrations
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MMDadoda
8/17/2020 5:45:55 PM



#48

Methyl methacrylate

Concen: 16.804 ug/l

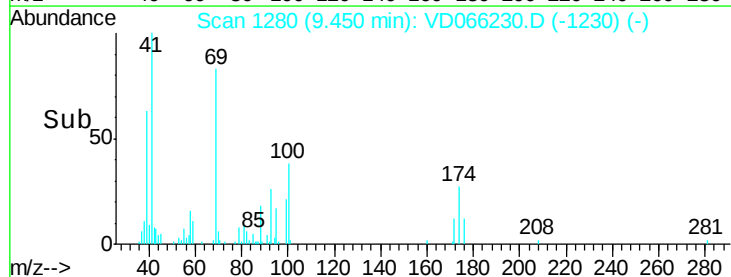
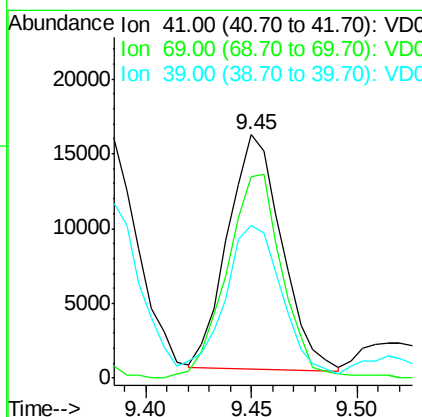
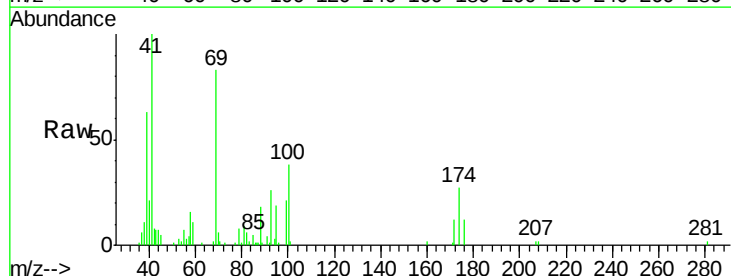
RT: 9.45 min Scan# 1280

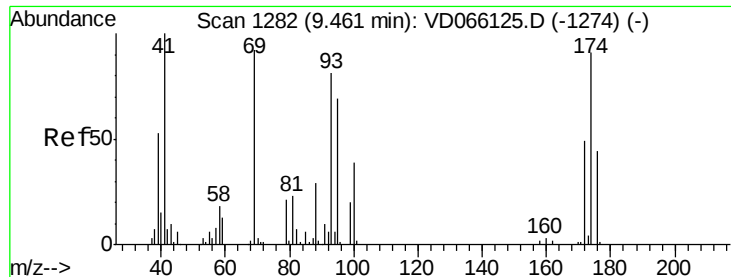
Delta R.T. -0.01 min

Lab File: VD066230.D

Acq: 14 Aug 2020 12:16

Tgt Ion:	41	Resp:	27921
Ion	Ratio	Lower	Upper
41	100		
69	89.4	63.9	95.9
39	65.0	42.6	64.0#





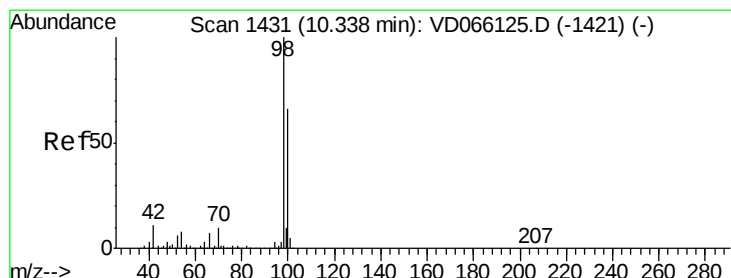
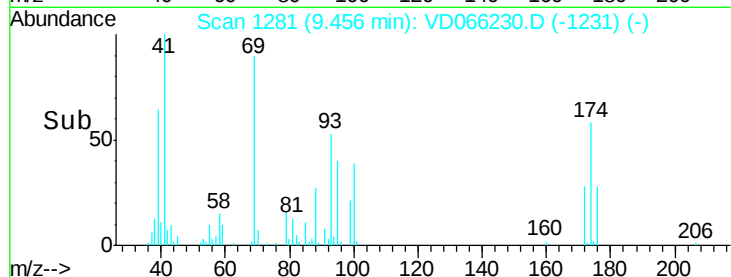
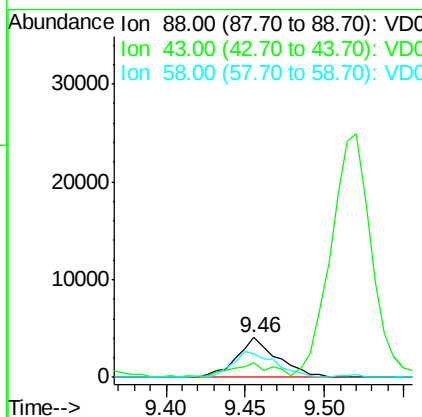
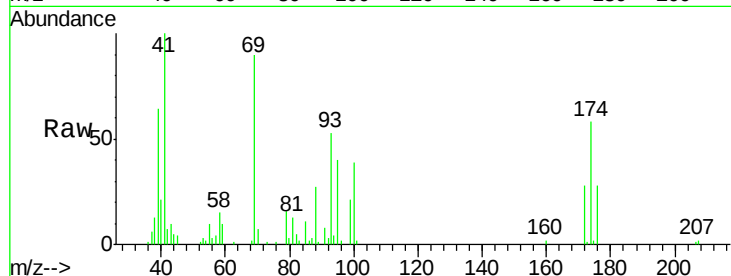
#49
1,4-Dioxane
Concen: 357.356 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VD066230.D
Acq: 14 Aug 2020 12:16

Instrument :
MSVOA_D
ClientSampleId :
VD0814SBS01

Tot Ion	88	Resp	7152
Ion	Ratio	Lower	Upper
88	100		
43	39.2	27.5	41.3
58	69.6	50.2	75.4

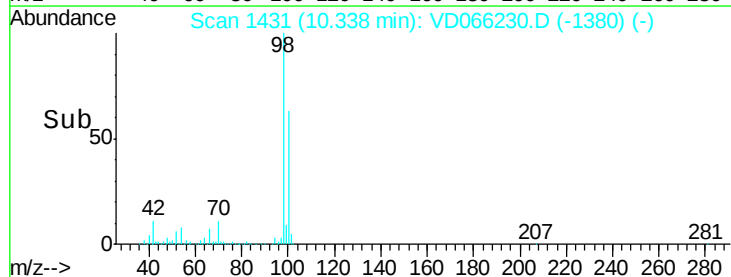
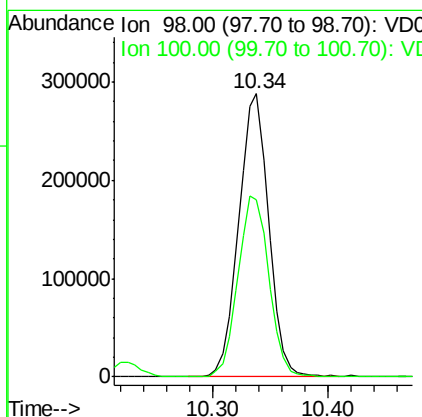
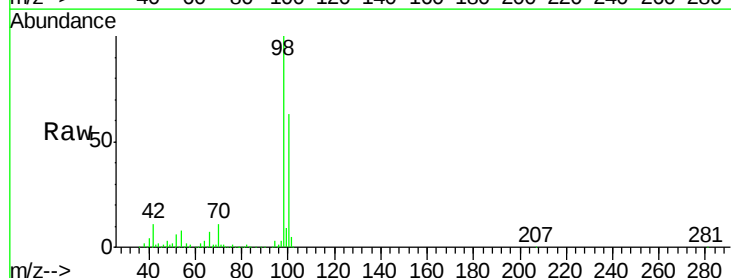
Manual Integrations
APPROVED

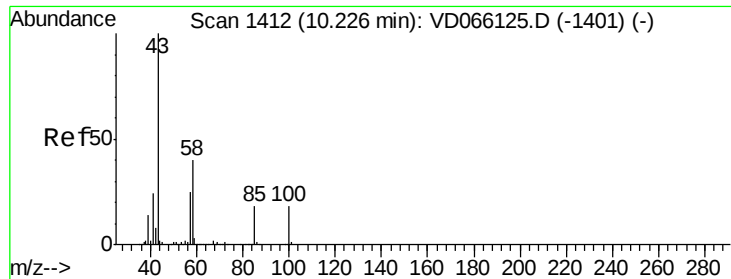
MMDadoda
8/17/2020 5:45:55 PM



#50
Toluene-d8
Concen: 50.091 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066230.D
Acq: 14 Aug 2020 12:16

Tgt Ion	98	Resp	519433
Ion	Ratio	Lower	Upper
98	100		
100	66.3	52.6	78.8





#51

4-Methyl-2-Pentanone

Concen: 87.696 ug/l

RT: 10.22 min Scan# 1411

Delta R.T. -0.01 min

Lab File: VD066230.D

Acq: 14 Aug 2020 12:16

Instrument :

MSVOA_D

ClientSampleId :

VD0814SBS01

Tot Ion: 43 Resp: 146582

Ion Ratio Lower Upper

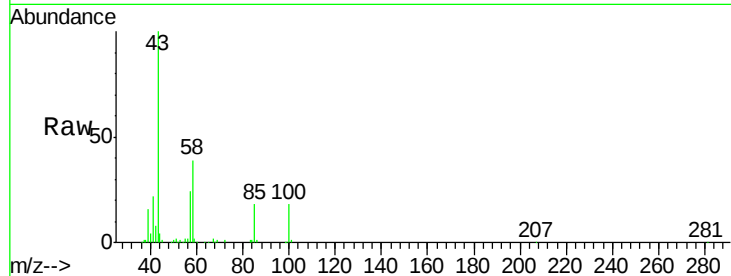
43 100

58 38.9 31.1 46.7

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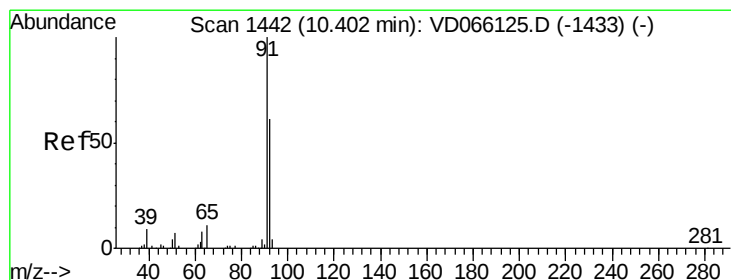
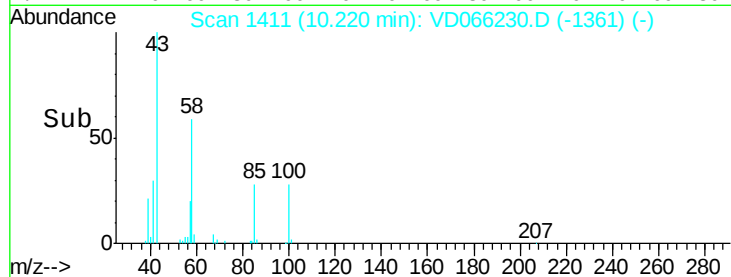
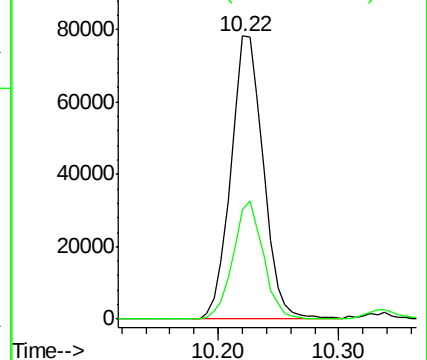
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 19.515 ug/l

RT: 10.40 min Scan# 1441

Delta R.T. -0.01 min

Lab File: VD066230.D

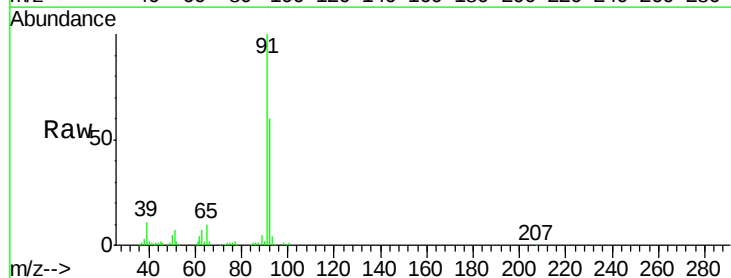
Acq: 14 Aug 2020 12:16

Tgt Ion: 92 Resp: 148487

Ion Ratio Lower Upper

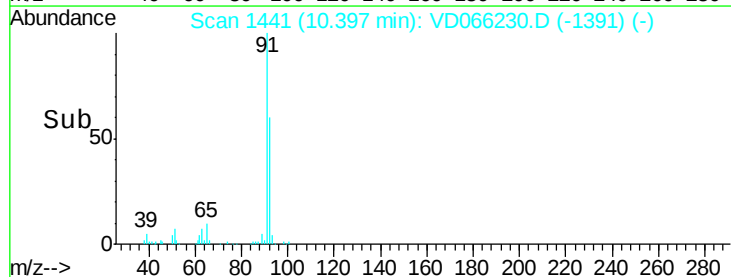
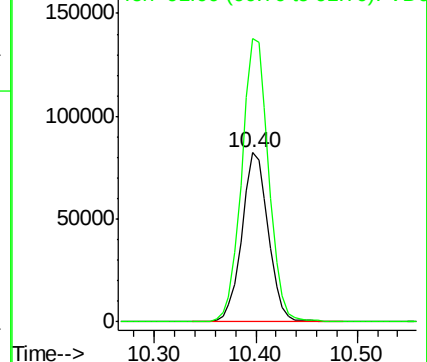
92 100

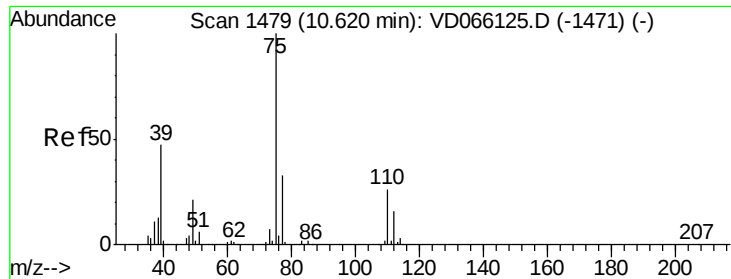
91 171.0 135.2 202.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





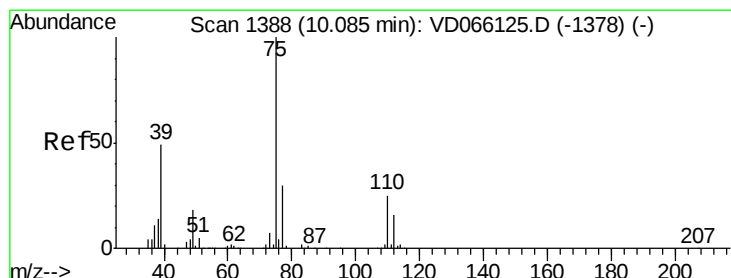
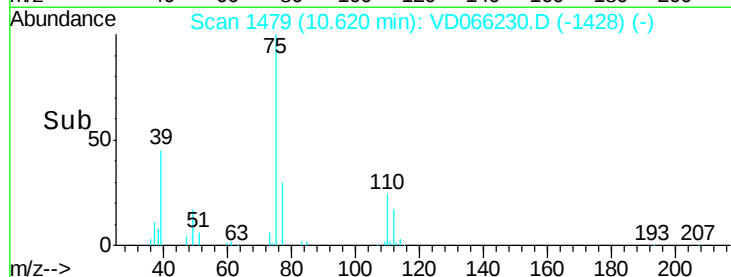
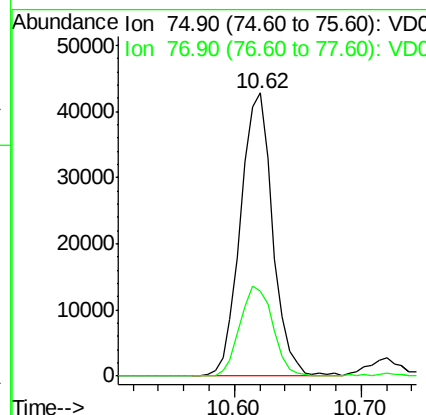
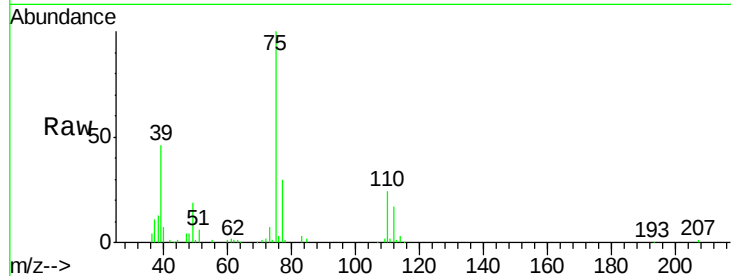
#53
t-1,3-Dichloropropene
Concen: 19.240 ug/l
RT: 10.62 min Scan# 1479
Delta R.T. 0.00 min
Lab File: VD066230.D
Acq: 14 Aug 2020 12:16

Instrument :
MSVOA_D
ClientSampleId :
VD0814SBS01

Tot Ion: 75 Resp: 75175
Ion Ratio Lower Upper
75 100
77 29.9 26.2 39.2

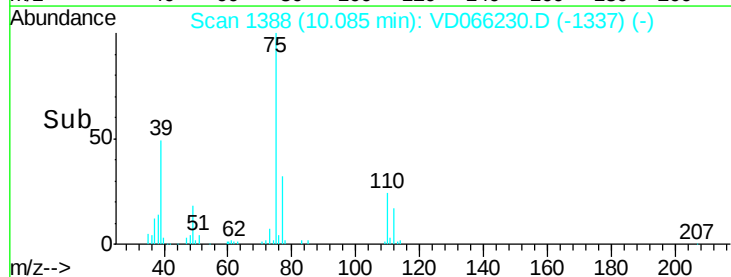
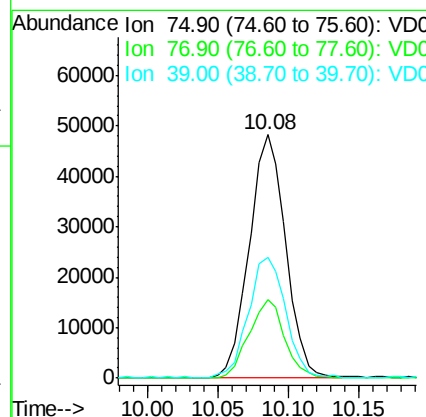
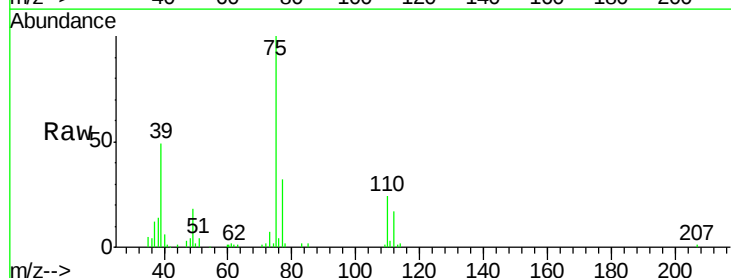
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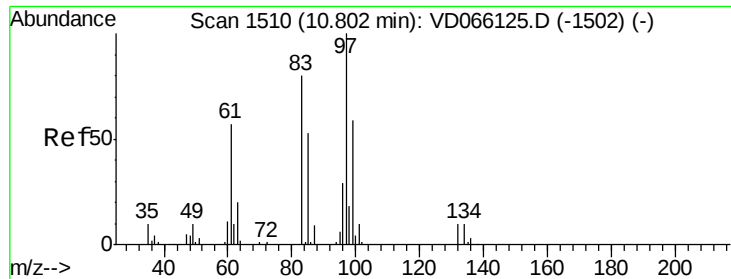
MMDadoda
8/17/2020 5:45:55 PM



#54
cis-1,3-Dichloropropene
Concen: 19.118 ug/l
RT: 10.08 min Scan# 1388
Delta R.T. 0.00 min
Lab File: VD066230.D
Acq: 14 Aug 2020 12:16

Tgt Ion: 75 Resp: 87522
Ion Ratio Lower Upper
75 100
77 32.4 24.3 36.5
39 49.3 39.3 58.9





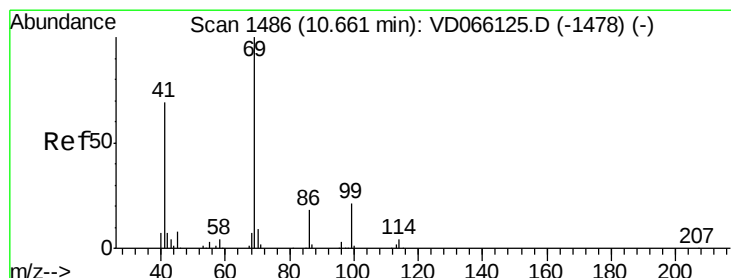
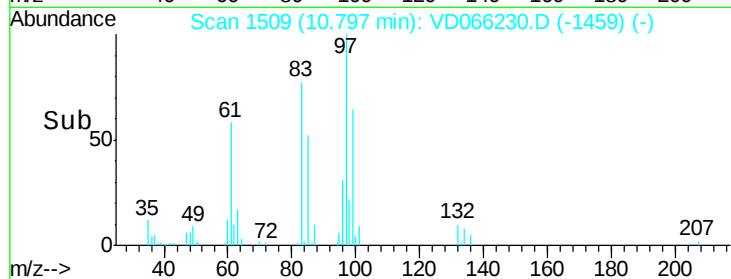
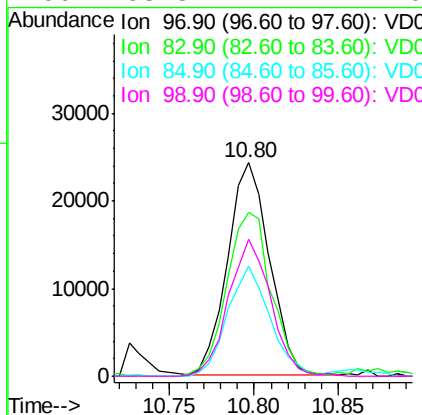
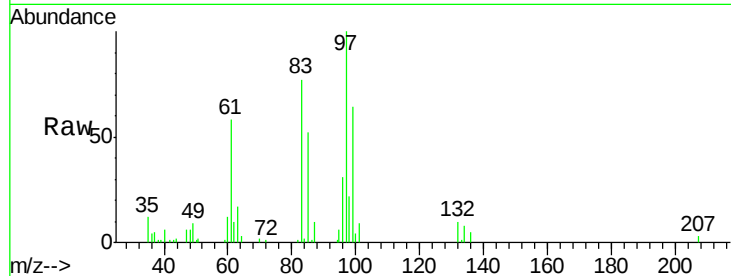
#55
 1,1,2-Trichloroethane
 Concen: 18.646 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VD066230.D
 Acq: 14 Aug 2020 12:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0814SBS01

Tot Ion:	97	Resp:	41825
Ion	Ratio	Lower	Upper
97	100		
83	76.1	63.9	95.9
85	52.0	42.5	63.7
99	63.8	47.4	71.0

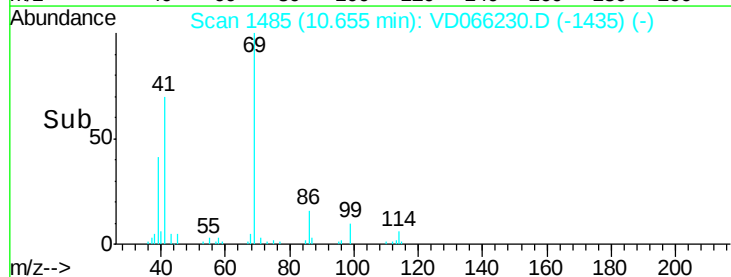
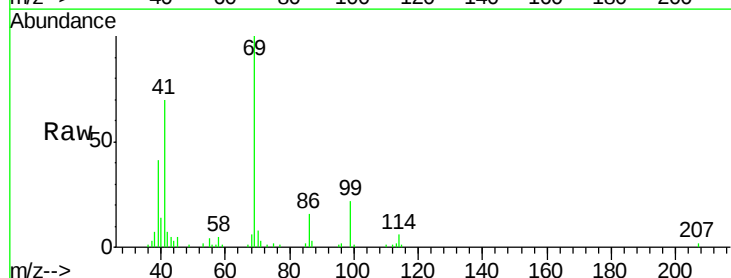
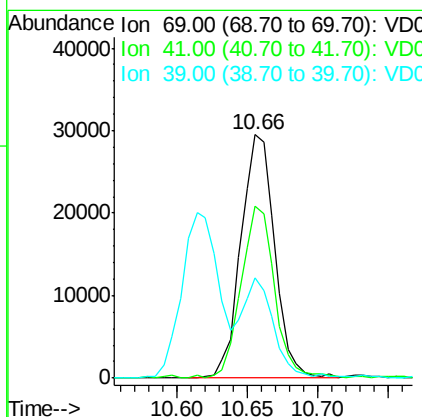
Manual Integrations
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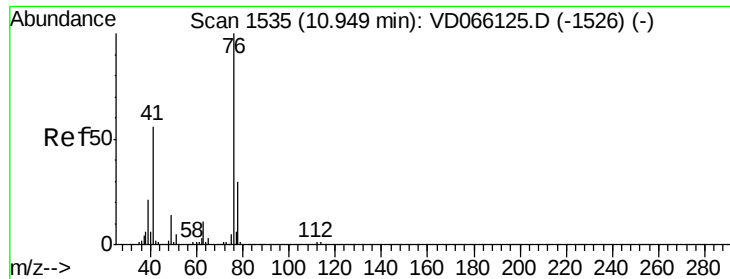
MMDadoda
 8/17/2020 5:45:55 PM



#56
 Ethyl methacrylate
 Concen: 18.402 ug/l
 RT: 10.66 min Scan# 1485
 Delta R.T. -0.01 min
 Lab File: VD066230.D
 Acq: 14 Aug 2020 12:16

Tgt Ion:	69	Resp:	49588
Ion	Ratio	Lower	Upper
69	100		
41	70.2	54.1	81.1
39	37.2	28.6	43.0





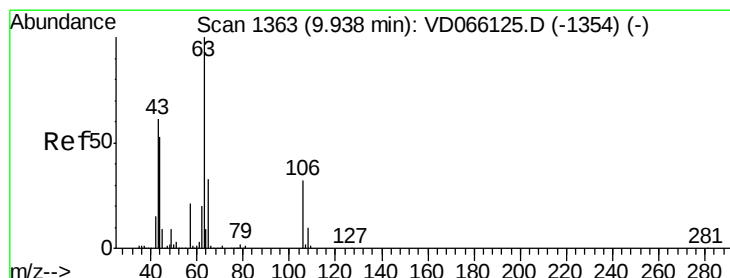
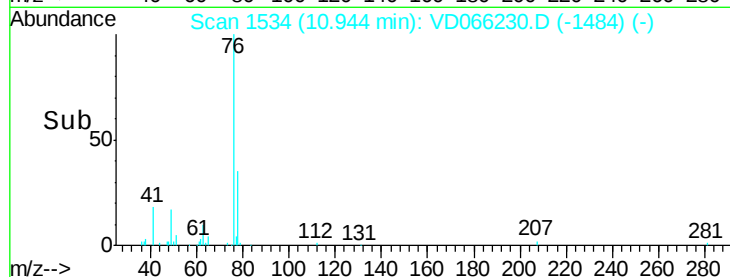
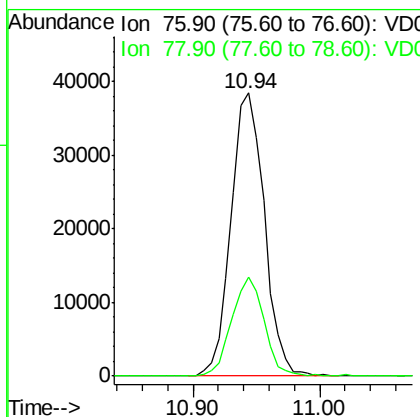
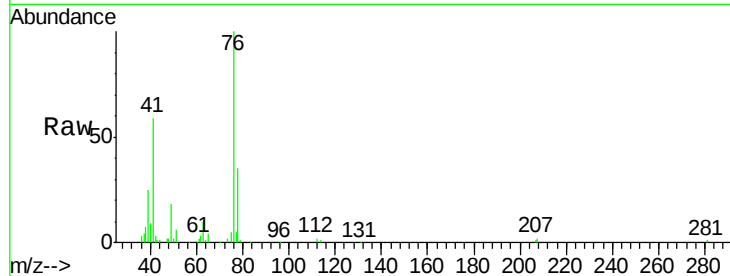
#57
 1,3-Dichloropropane
 Concen: 18.834 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.01 min
 Lab File: VD066230.D
 Acq: 14 Aug 2020 12:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0814SBS01

Tot Ion: 76 Resp: 70136
 Ion Ratio Lower Upper
 76 100
 78 34.0 25.5 38.3

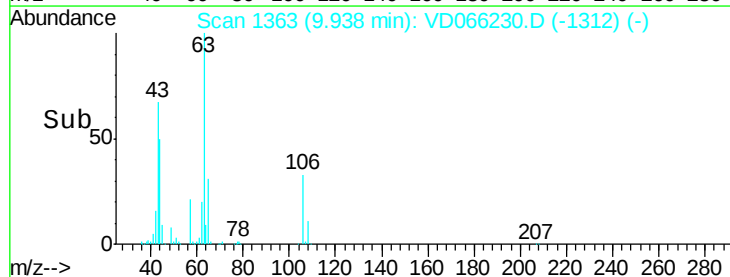
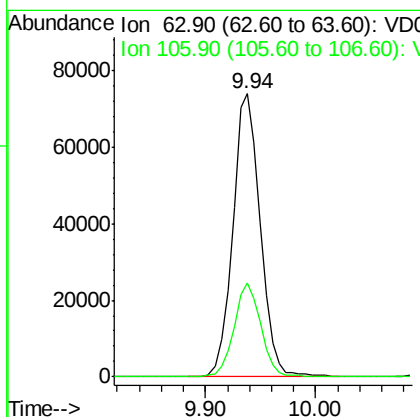
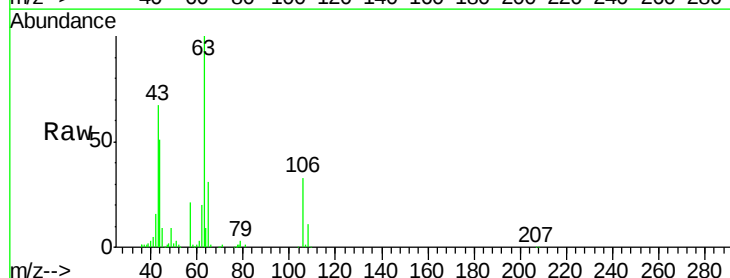
Manual Integrations
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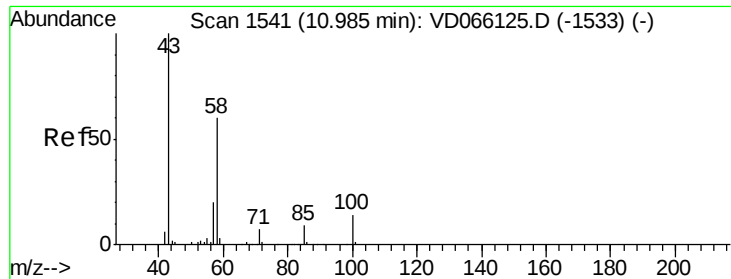
MMDadoda
 8/17/2020 5:45:55 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 106.269 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VD066230.D
 Acq: 14 Aug 2020 12:16

Tgt Ion: 63 Resp: 128808
 Ion Ratio Lower Upper
 63 100
 106 32.3 25.3 37.9





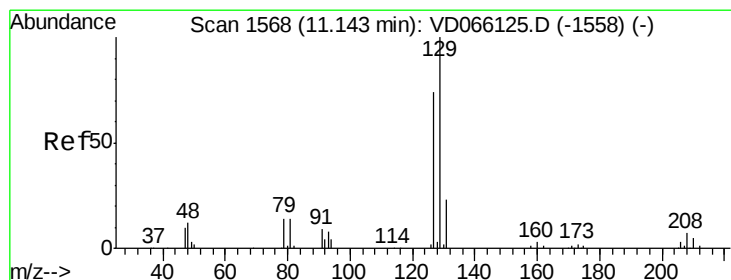
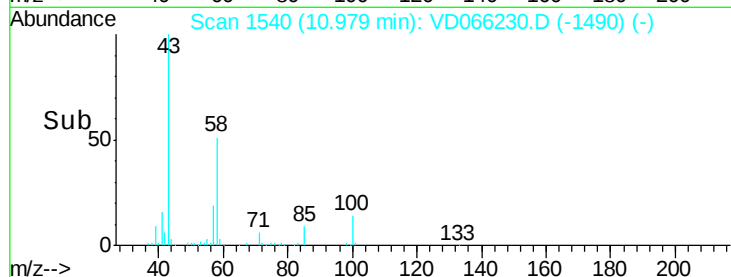
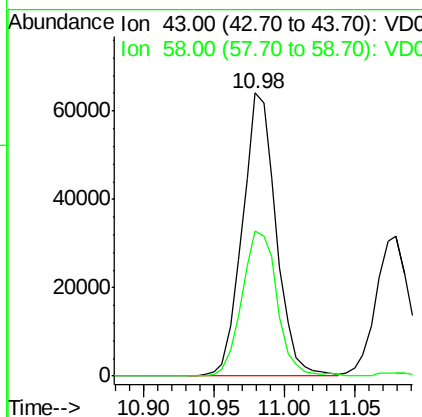
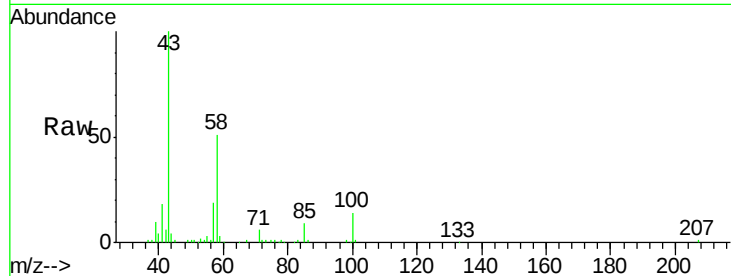
#59
2-Hexanone
Concen: 91.485 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.01 min
Lab File: VD066230.D
Acq: 14 Aug 2020 12:16

Instrument :
MSVOA_D
ClientSampleId :
VD0814SBS01

Tot Ion	43	Resp	107318
Ion Ratio	43	100	
Lower	58	53.6	27.8
Upper			83.4

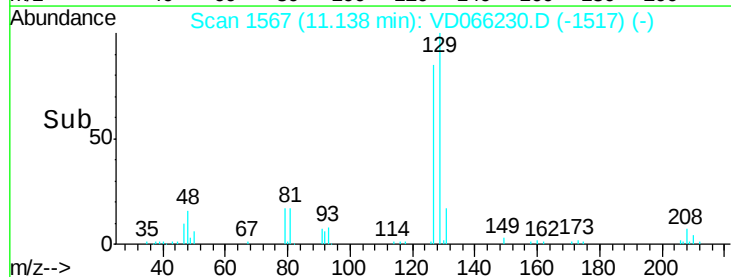
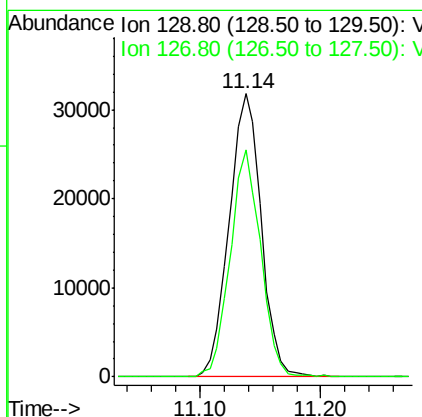
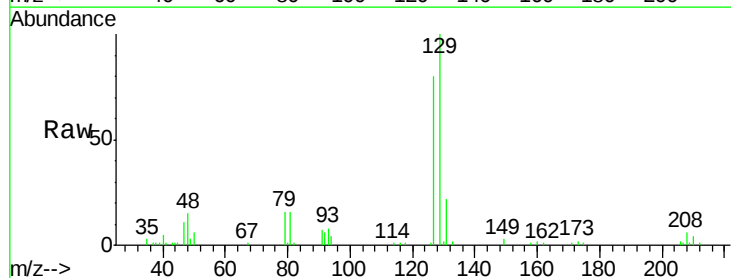
Manual Integrations
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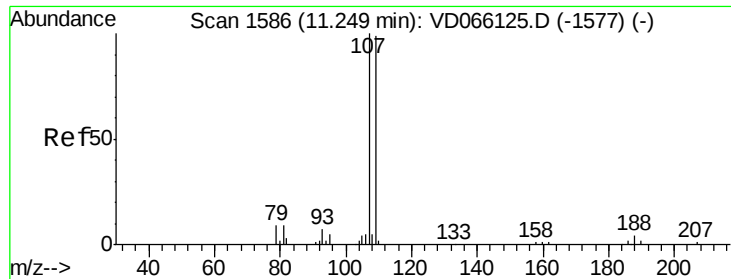
MMDadoda
8/17/2020 5:45:55 PM



#60
Dibromochloromethane
Concen: 18.958 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VD066230.D
Acq: 14 Aug 2020 12:16

Tgt Ion	129	Resp	58710
Ion Ratio	129	100	
Lower	127	76.5	38.0
Upper			114.1





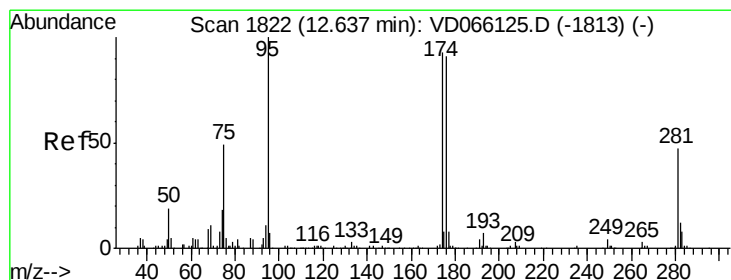
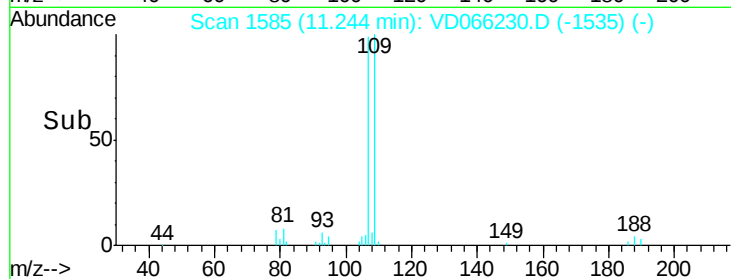
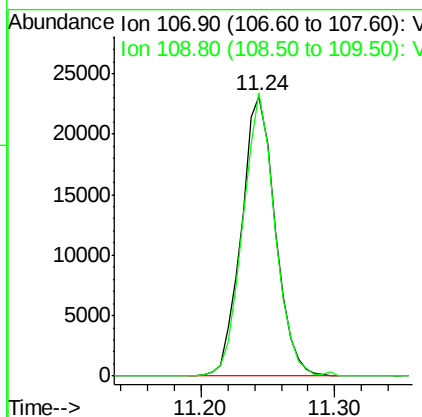
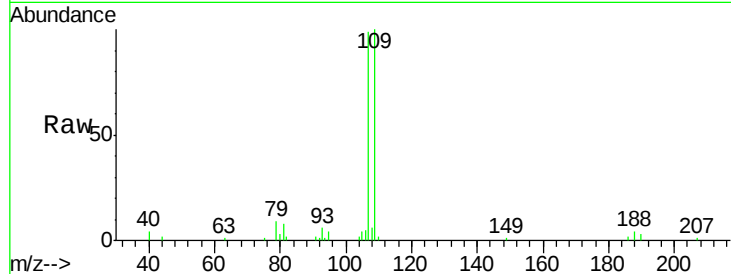
#61
 1,2-Dibromoethane
 Concen: 18.799 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.01 min
 Lab File: VD066230.D
 Acq: 14 Aug 2020 12:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0814SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.0	76.5	114.7

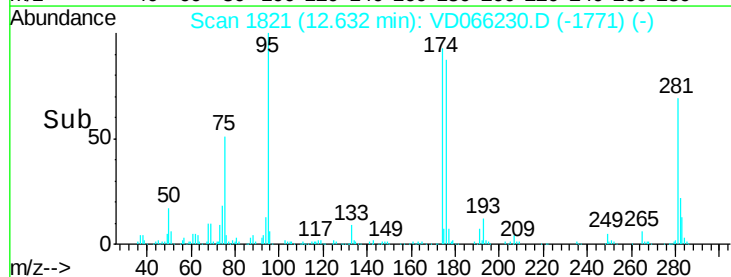
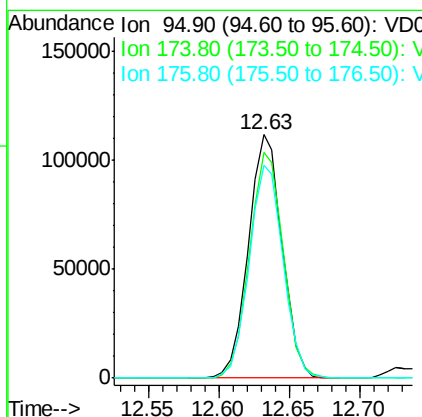
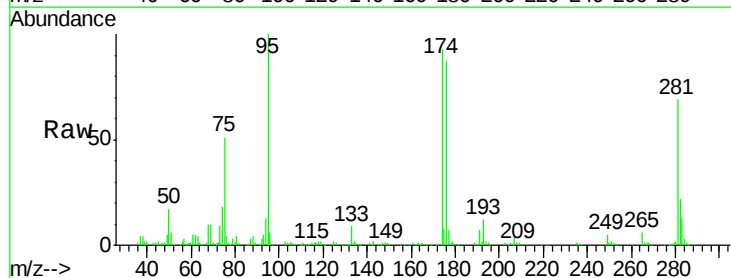
Manual Integrations
 APPROVED

MMDadoda
 8/17/2020 5:45:55 PM



#62
 4-Bromofluorobenzene
 Concen: 50.012 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.01 min
 Lab File: VD066230.D
 Acq: 14 Aug 2020 12:16

Tgt Ion	Ratio	Lower	Upper
95	100		
174	93.3	0.0	180.8
176	88.4	0.0	181.2





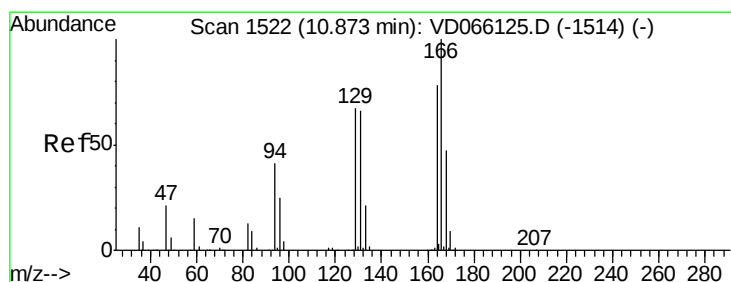
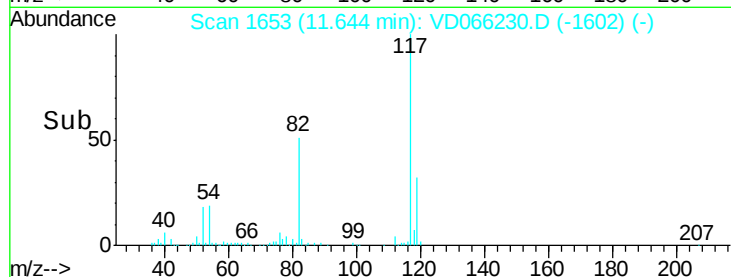
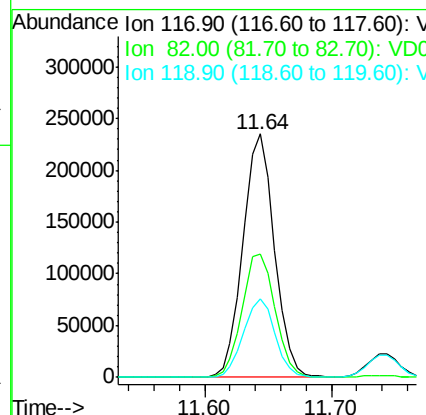
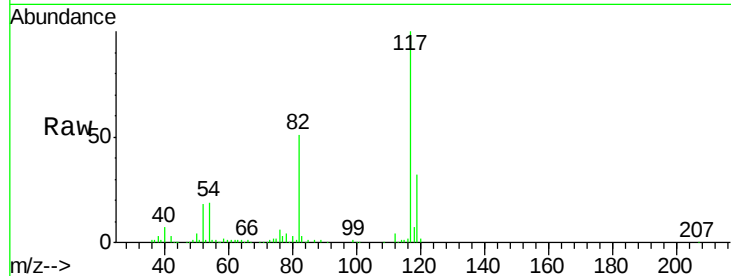
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066230.D
Acq: 14 Aug 2020 12:16

Instrument :
MSVOA_D
ClientSampleId :
VD0814SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	405681		
82	50.8		43.0	64.4
119	32.5		26.1	39.1

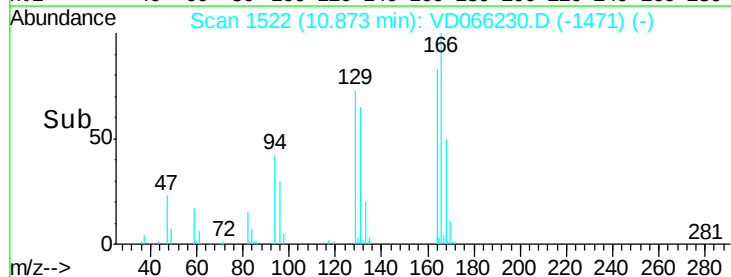
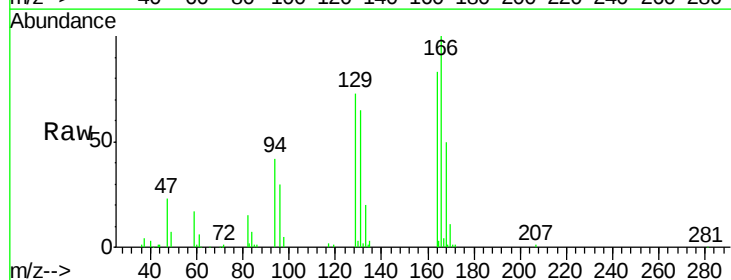
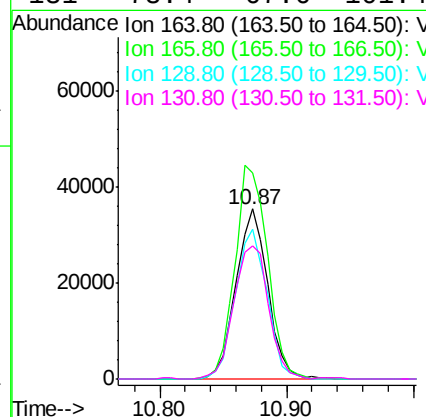
Manual Integrations
APPROVED

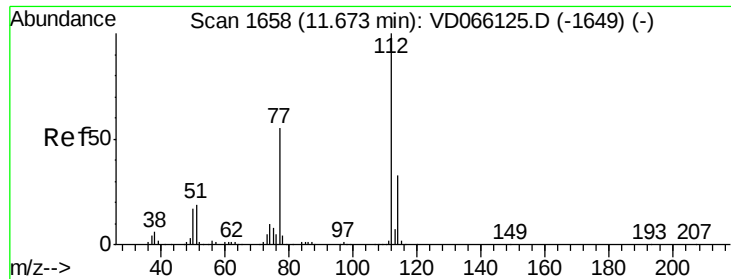
MMDadoda
8/17/2020 5:45:55 PM



#64
Tetrachloroethene
Concen: 19.693 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD066230.D
Acq: 14 Aug 2020 12:16

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	61347		
166	121.1		101.9	152.9
129	88.2		68.1	102.1
131	78.4		67.6	101.4





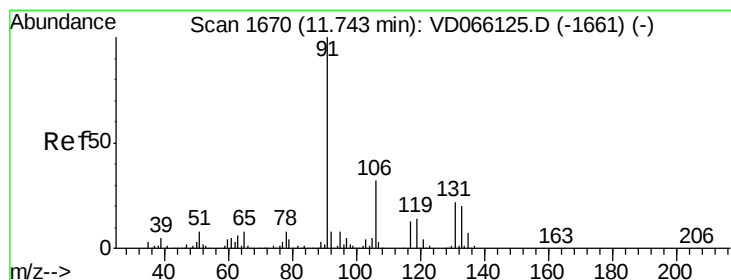
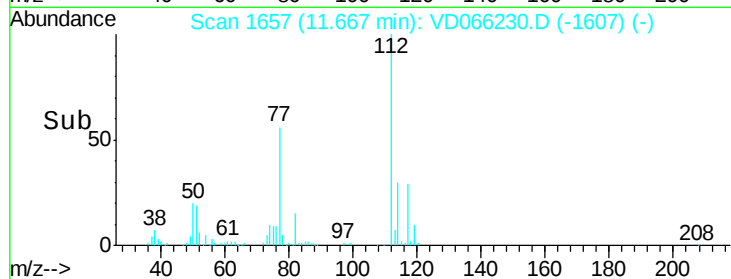
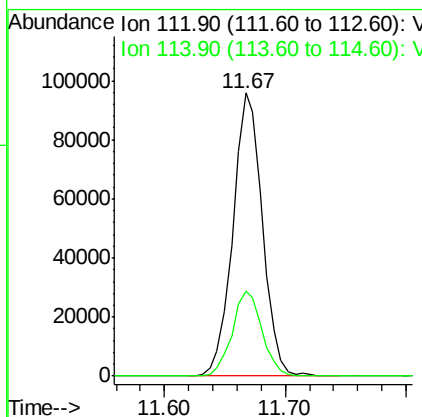
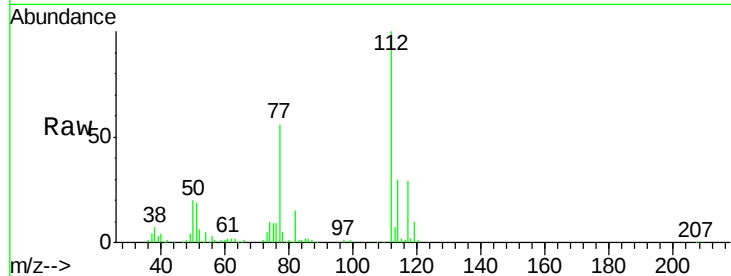
#65
Chlorobenzene
Concen: 19.745 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.01 min
Lab File: VD066230.D
Acq: 14 Aug 2020 12:16

Instrument :
MSVOA_D
ClientSampleId :
VD0814SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	30.2	26.1	39.1

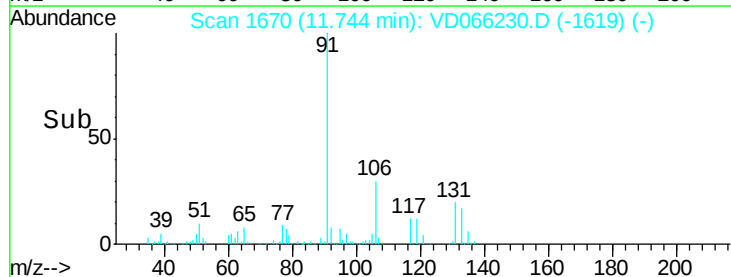
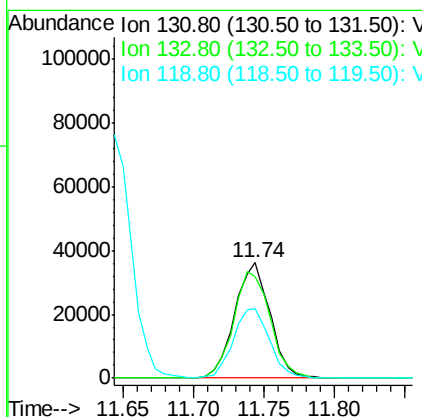
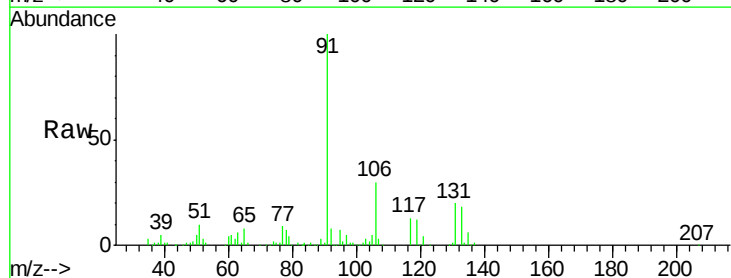
Manual Integrations
APPROVED

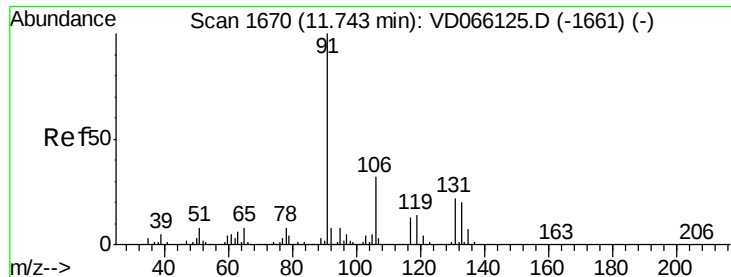
MMDadoda
8/17/2020 5:45:55 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.607 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066230.D
Acq: 14 Aug 2020 12:16

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.6	47.1	141.4
119	61.8	31.6	94.7





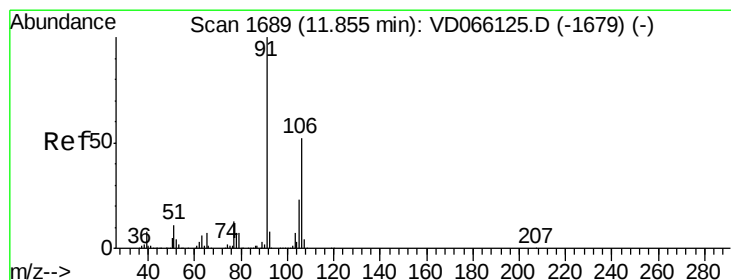
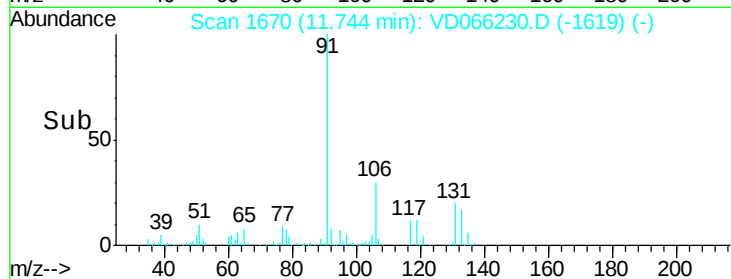
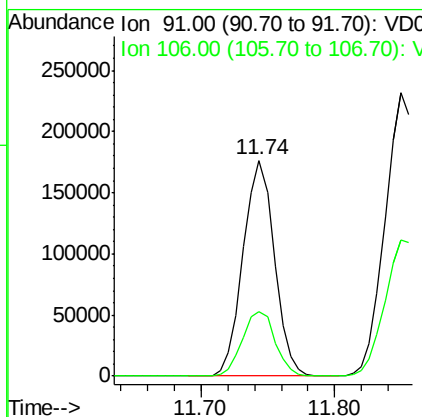
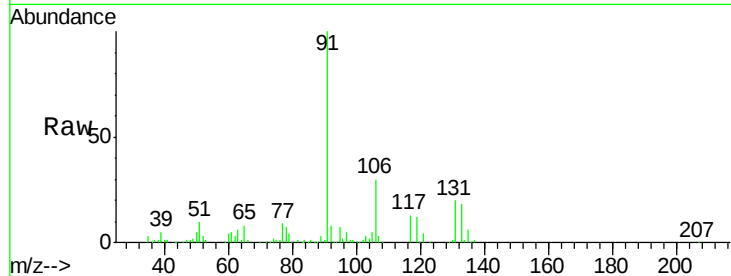
#67
Ethyl Benzene
Concen: 20.118 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066230.D
Acq: 14 Aug 2020 12:16

Instrument :
MSVOA_D
ClientSampleId :
VD0814SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	29.6	25.7	38.5

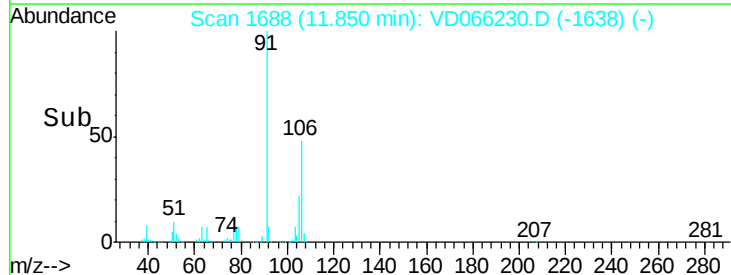
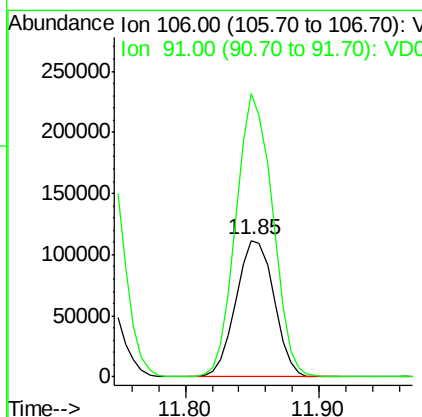
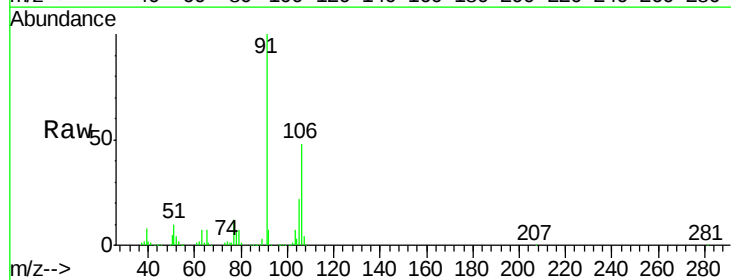
Manual Integrations
APPROVED

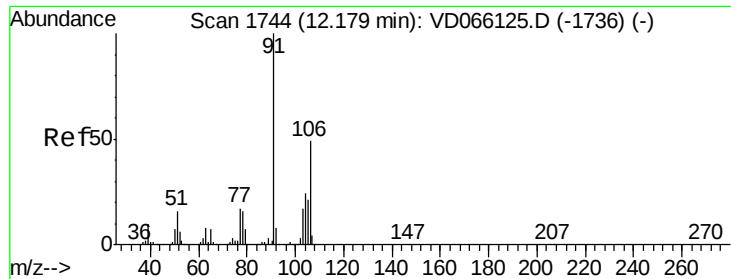
MMDadoda
8/17/2020 5:45:55 PM



#68
m/p-Xylenes
Concen: 39.995 ug/l
RT: 11.85 min Scan# 1688
Delta R.T. -0.01 min
Lab File: VD066230.D
Acq: 14 Aug 2020 12:16

Tgt Ion	Ratio	Lower	Upper
106	100		
91	200.1	156.6	235.0





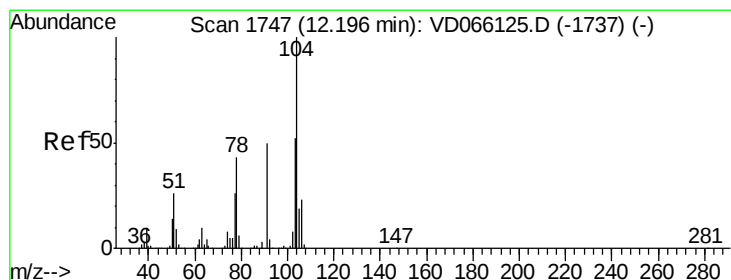
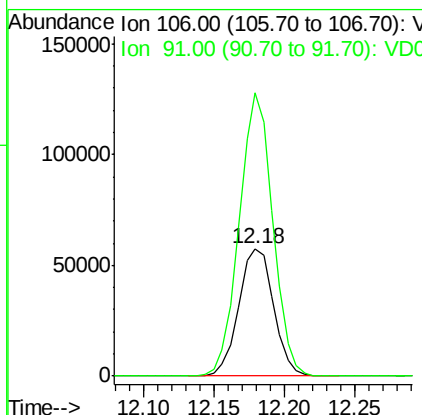
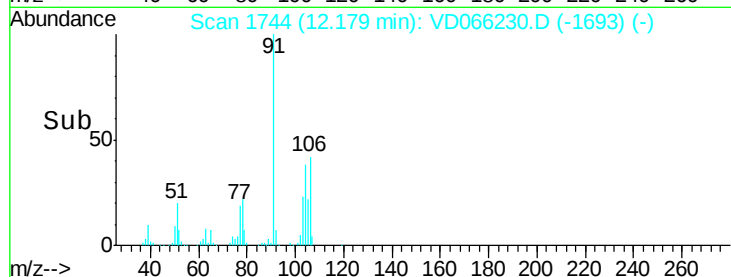
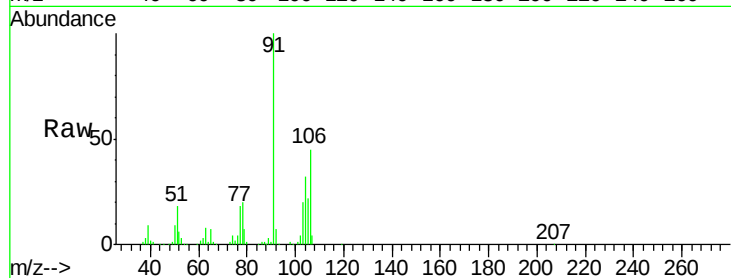
#69
o-Xylene
Concen: 19.819 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD066230.D
Acq: 14 Aug 2020 12:16

Instrument :
MSVOA_D
ClientSampleId :
VD0814SBS01

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	212.7	105.7	317.1	

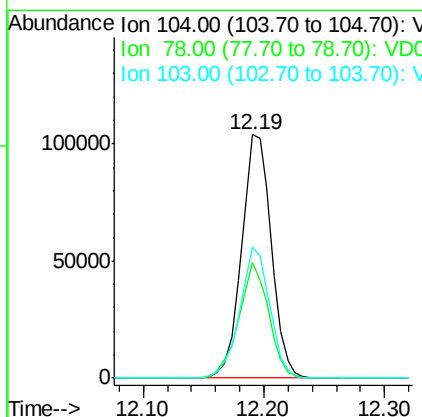
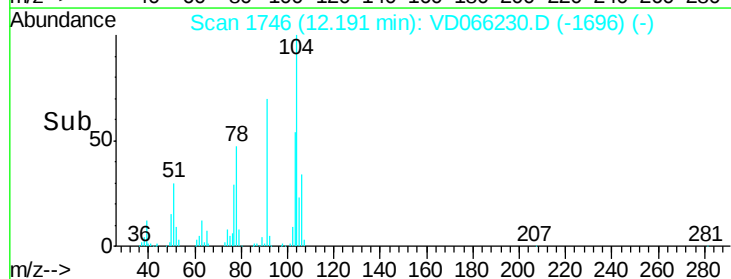
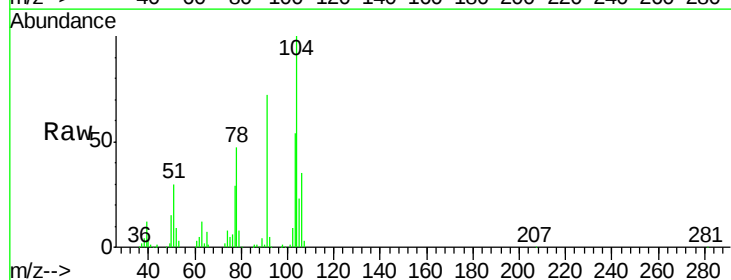
Manual Integrations
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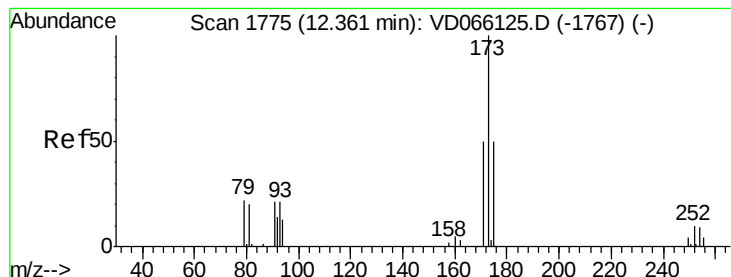
MMDadoda
8/17/2020 5:45:55 PM



#70
Styrene
Concen: 20.268 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. -0.01 min
Lab File: VD066230.D
Acq: 14 Aug 2020 12:16

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	47.5	38.6	58.0	
103	54.3	44.1	66.1	





#71

Bromoform

Concen: 18.697 ug/l

RT: 12.36 min Scan# 1774

Delta R.T. -0.01 min

Lab File: VD066230.D

Acq: 14 Aug 2020 12:16

Instrument :

MSVOA_D

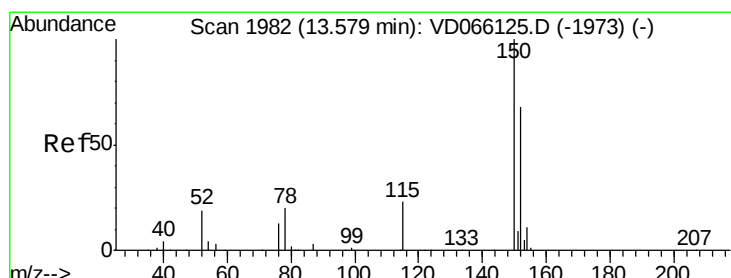
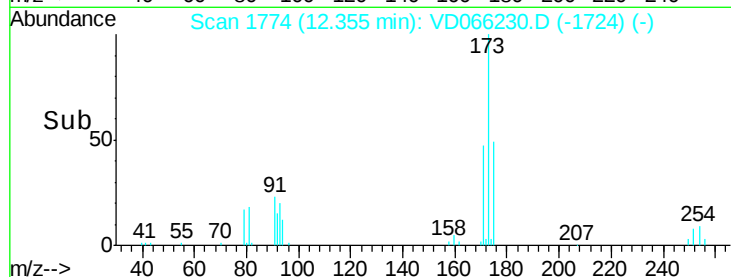
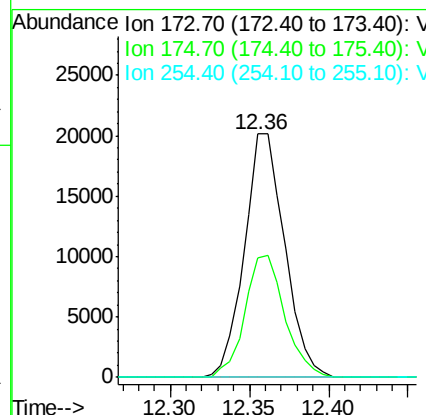
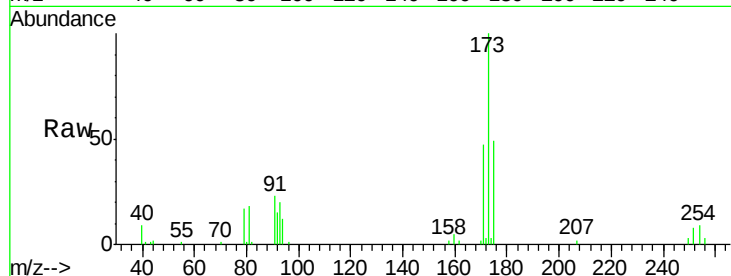
ClientSampleId :

VD0814SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.6	73.6
254	0.0	0.2	0.2

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

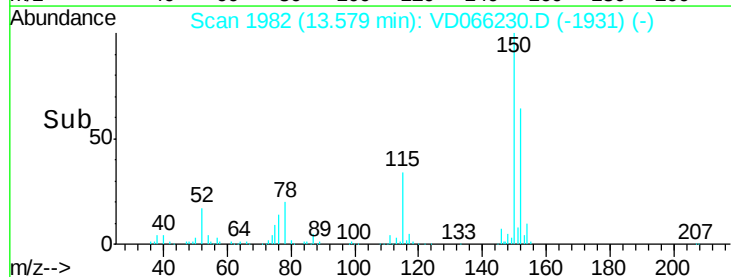
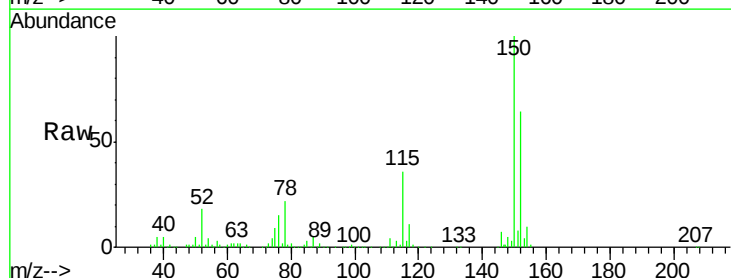
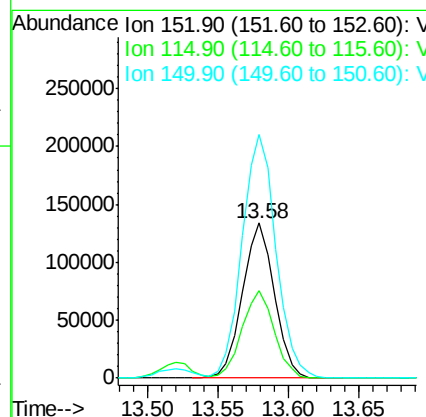
RT: 13.58 min Scan# 1982

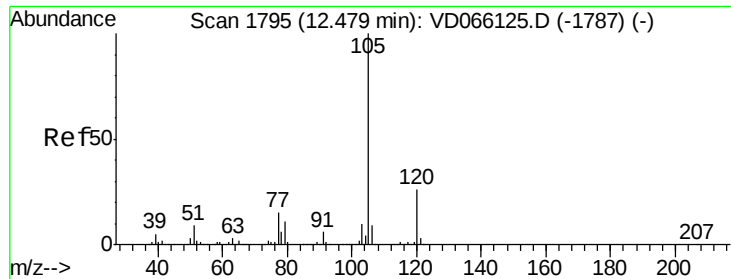
Delta R.T. 0.00 min

Lab File: VD066230.D

Acq: 14 Aug 2020 12:16

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.6	28.0	83.9
150	167.5	0.0	346.4





#73

Isopropylbenzene

Concen: 19.853 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VD066230.D

Acq: 14 Aug 2020 12:16

Instrument :

MSVOA_D

ClientSampleId :

VD0814SBS01

Tot Ion:105 Resp: 279807

Ion Ratio Lower Upper

105 100

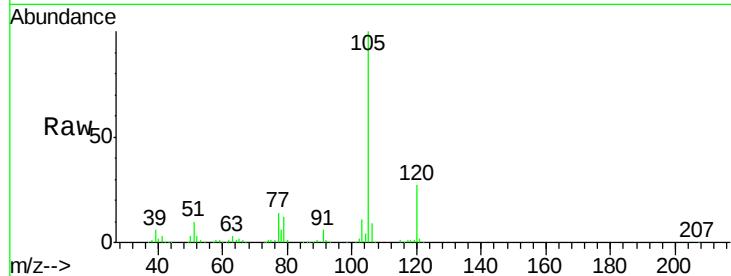
120 27.7 13.3 39.9

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

200000

150000

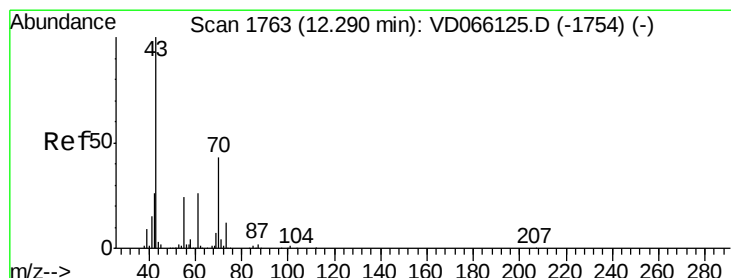
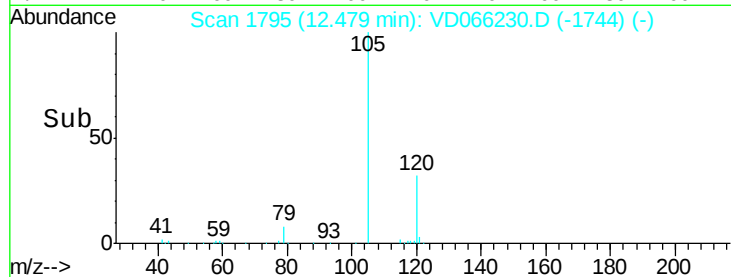
100000

50000

0

12.40 12.50

Time-->



#74

N-ethyl acetate

Concen: 17.954 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD066230.D

Acq: 14 Aug 2020 12:16

Tgt Ion: 43 Resp: 55722

Ion Ratio Lower Upper

43 100

70 41.7 34.9 52.3

55 24.9 19.2 28.8

61 23.9 19.7 29.5

Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

50000

40000

30000

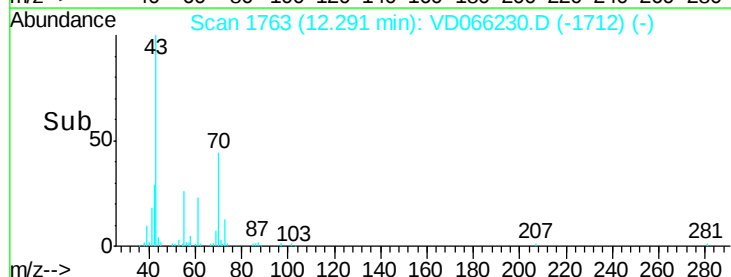
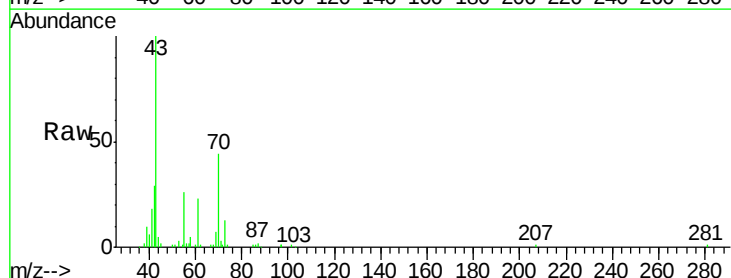
20000

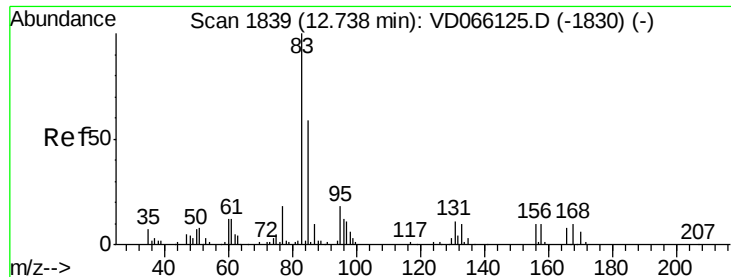
10000

0

12.20 12.25 12.30 12.35

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 18.452 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD066230.D

Acq: 14 Aug 2020 12:16

Instrument :

MSVOA_D

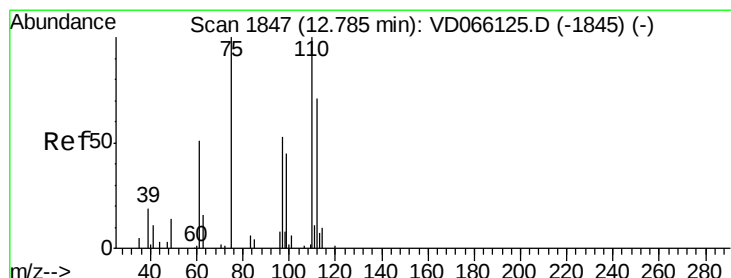
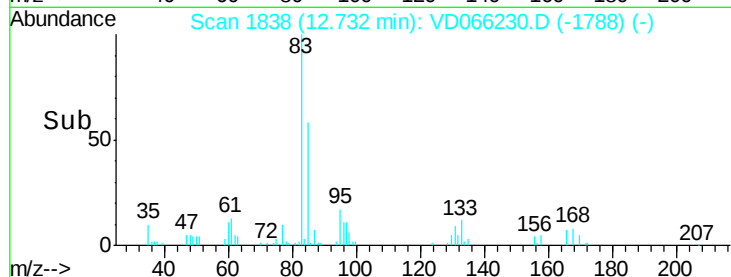
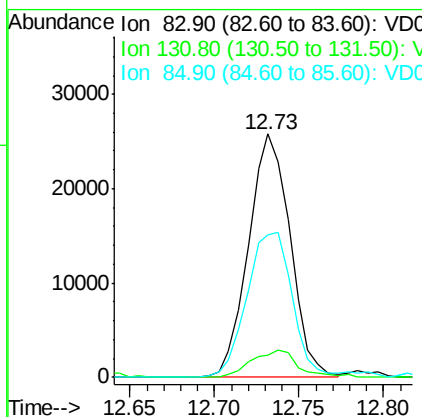
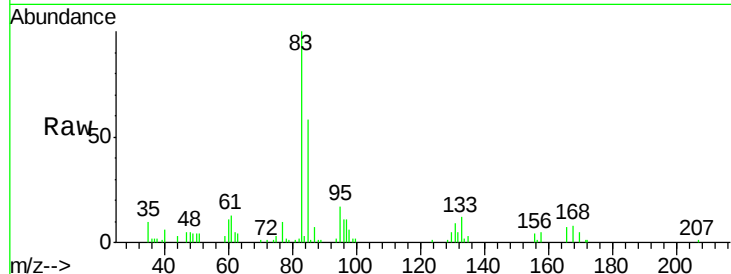
ClientSampleId :

VD0814SBS01

Tot Ion:	83	Resp:	44346
Ion	Ratio	Lower	Upper
83	100		
131	12.6	6.2	18.6
85	64.7	32.4	97.2

Manual Integrations
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8/17/2020 5:45:55 PM



#76

1,2,3-Trichloropropane

Concen: 17.081 ug/l m

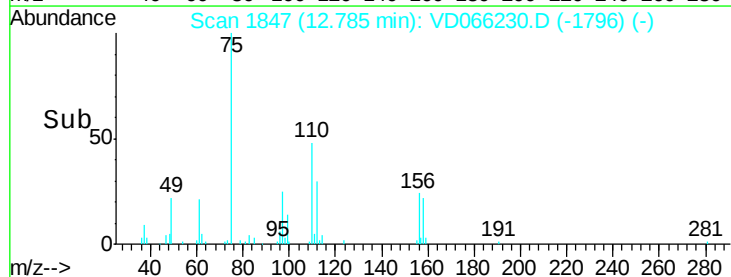
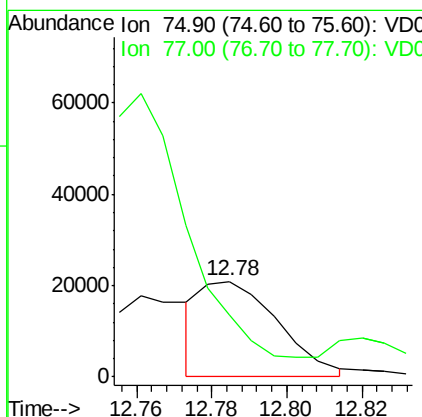
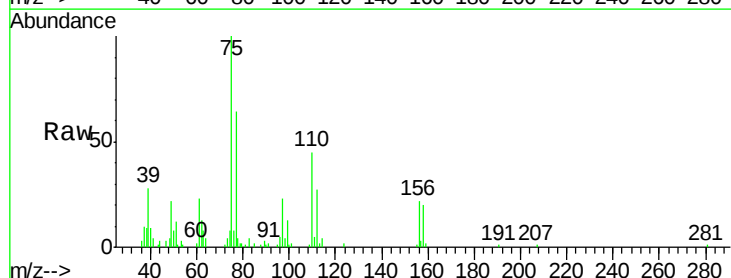
RT: 12.78 min Scan# 1847

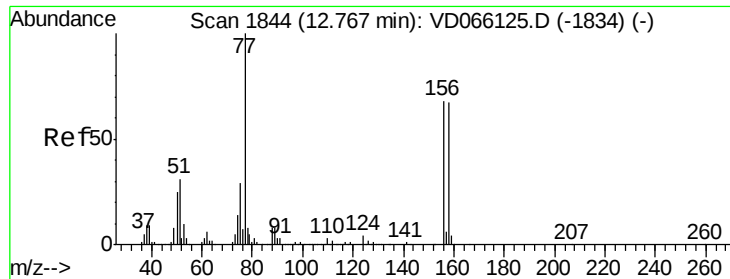
Delta R.T. 0.00 min

Lab File: VD066230.D

Acq: 14 Aug 2020 12:16

Tgt Ion:	75	Resp:	30075
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.490 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.01 min

Lab File: VD066230.D

Acq: 14 Aug 2020 12:16

Instrument :

MSVOA_D

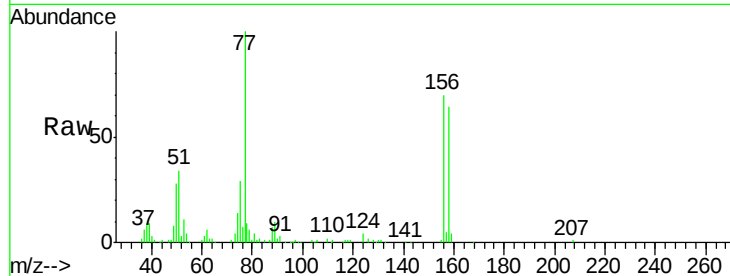
ClientSampleId :

VD0814SBS01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	161.7	81.0	243.1	
158	95.6	48.8	146.3	

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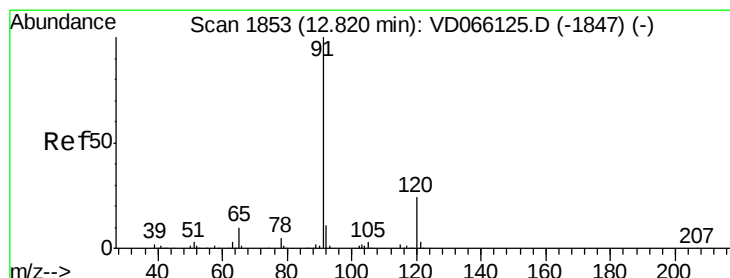
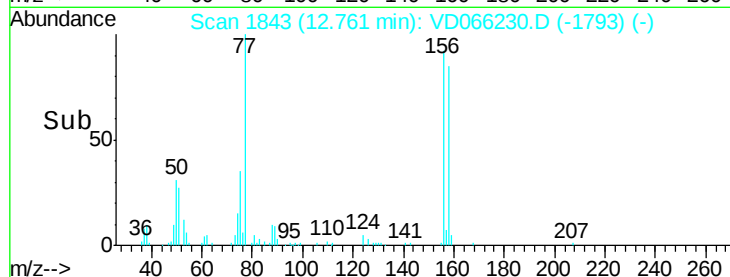
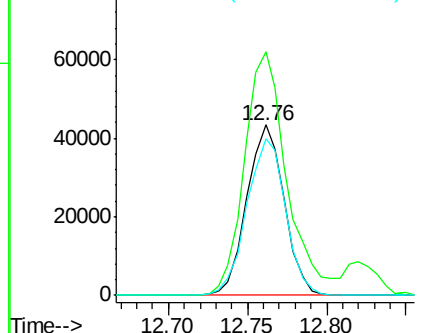
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.267 ug/l

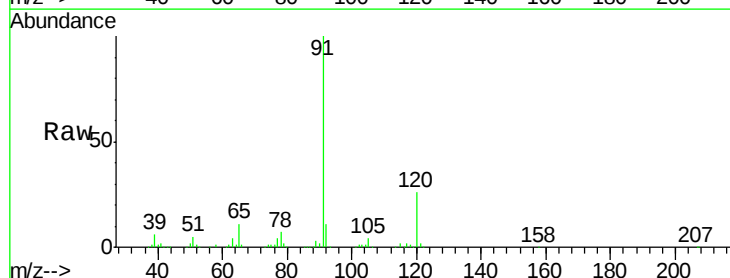
RT: 12.82 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VD066230.D

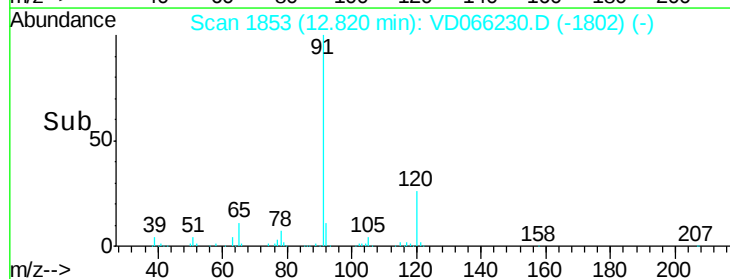
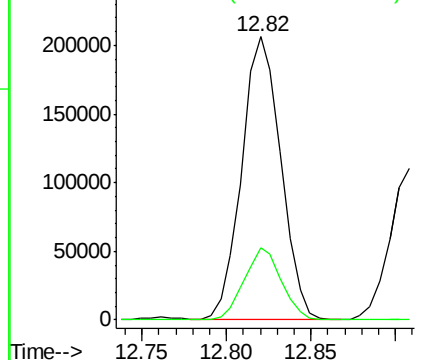
Acq: 14 Aug 2020 12:16

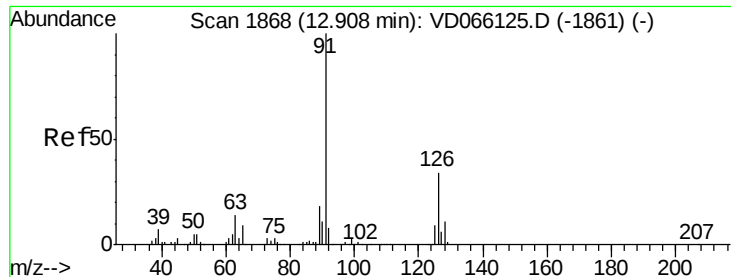
Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	24.2	12.0	36.0	



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.896 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. 0.00 min

Lab File: VD066230.D

Acq: 14 Aug 2020 12:16

Instrument :

MSVOA_D

ClientSampleId :

VD0814SBS01

Tot Ion: 91 Resp: 186430

Ion Ratio Lower Upper

91 100

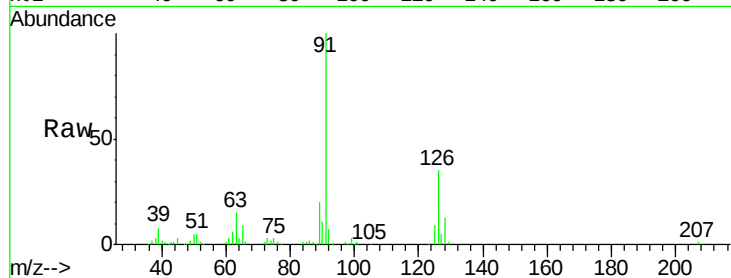
126 34.6 17.5 52.6

Manual Integrations

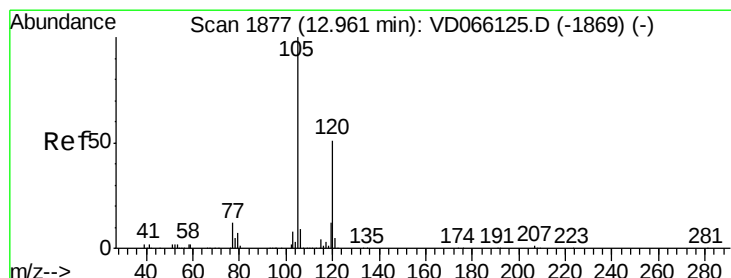
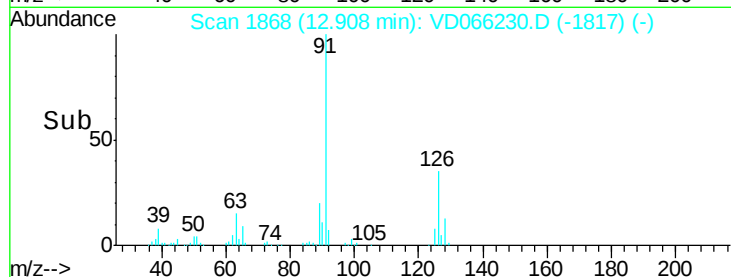
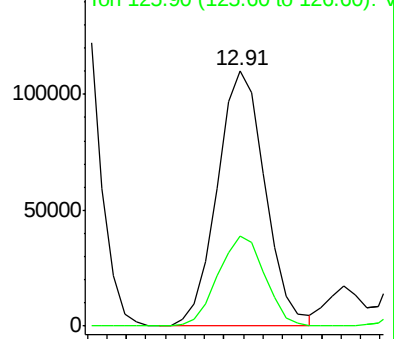
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Abundance Ion 91.00 (90.70 to 91.70): VD066230.D (-1861) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.910 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VD066230.D

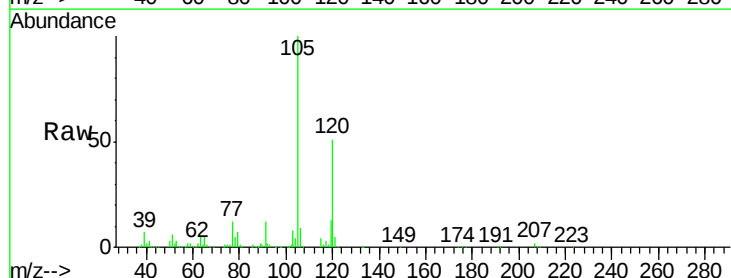
Acq: 14 Aug 2020 12:16

Tgt Ion:105 Resp: 234682

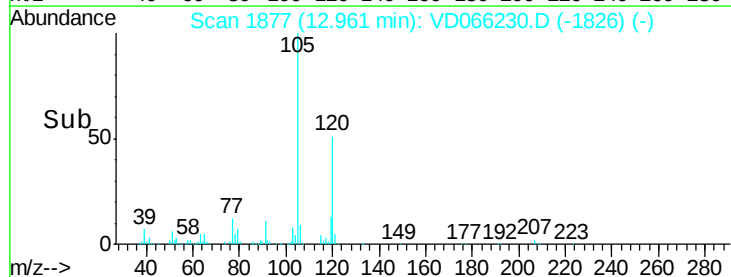
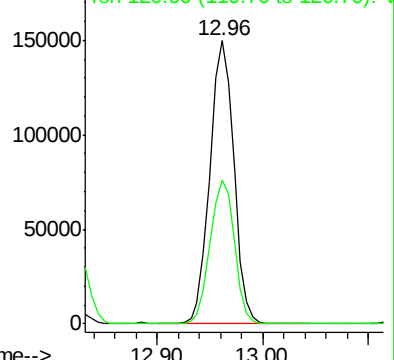
Ion Ratio Lower Upper

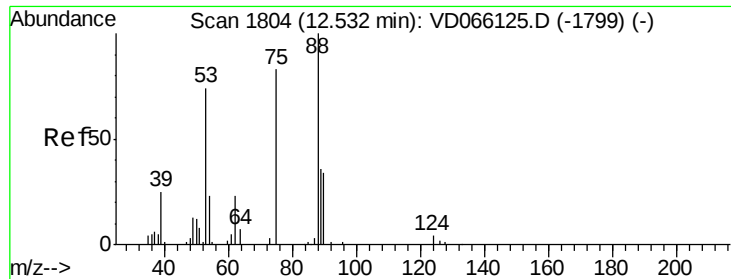
105 100

120 51.3 25.3 75.8



Abundance Ion 105.00 (104.70 to 105.70): VD066230.D (-1869) (-)





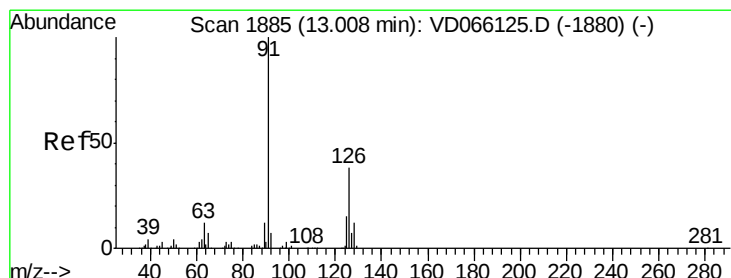
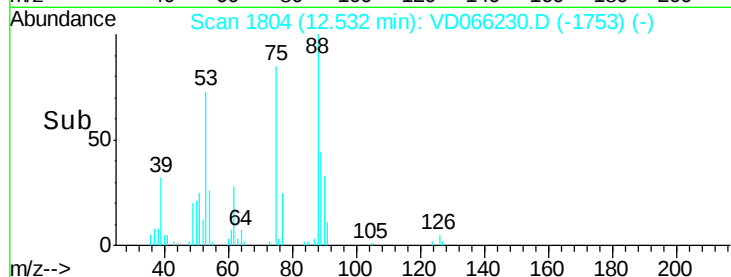
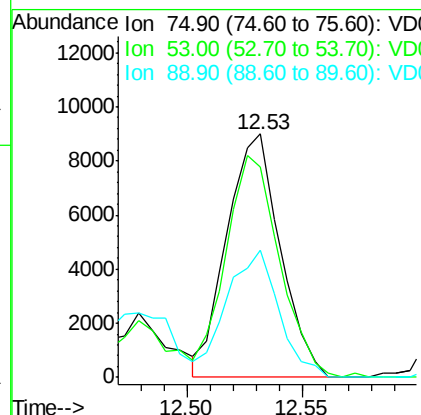
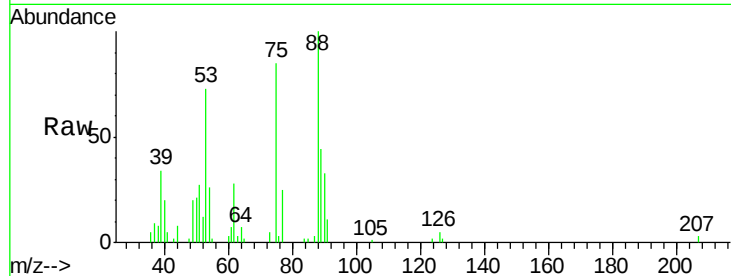
#81
trans-1,4-Dichloro-2-butene
Concen: 18.110 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD066230.D
Acq: 14 Aug 2020 12:16

Instrument :
MSVOA_D
ClientSampleId :
VD0814SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	92.4	73.4	110.2
89	51.1	36.6	55.0

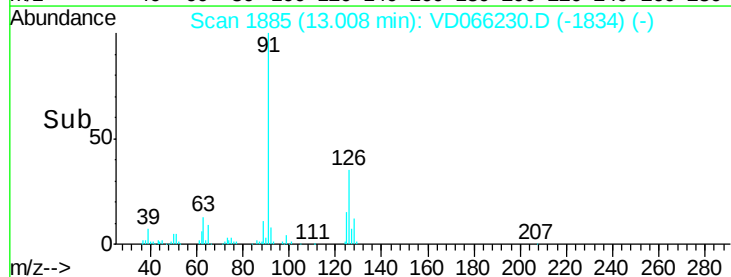
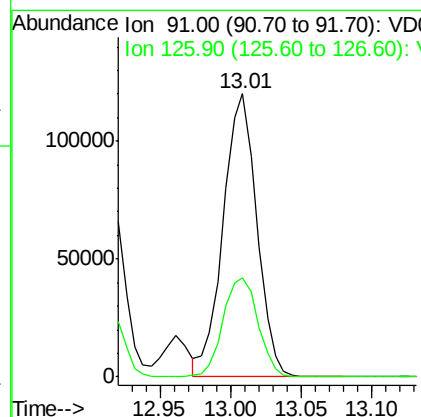
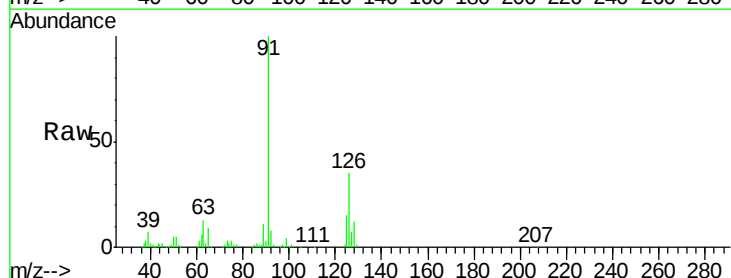
Manual Integrations
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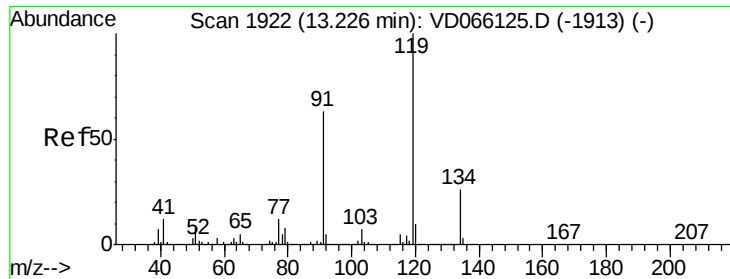
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#82
4-Chlorotoluene
Concen: 20.134 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VD066230.D
Acq: 14 Aug 2020 12:16

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.1	17.8	53.3





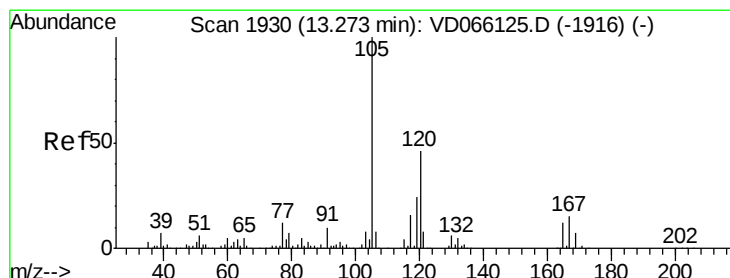
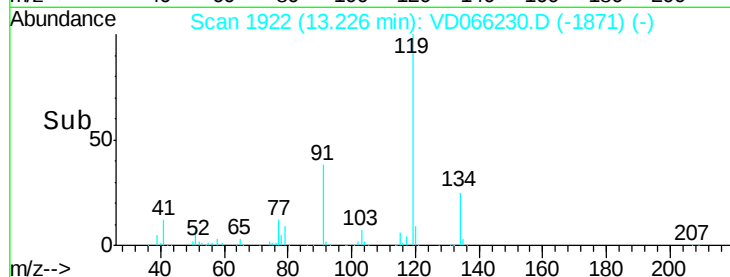
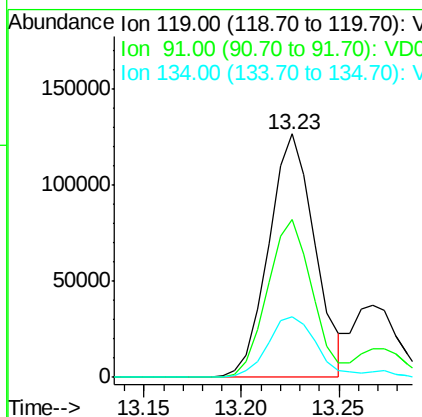
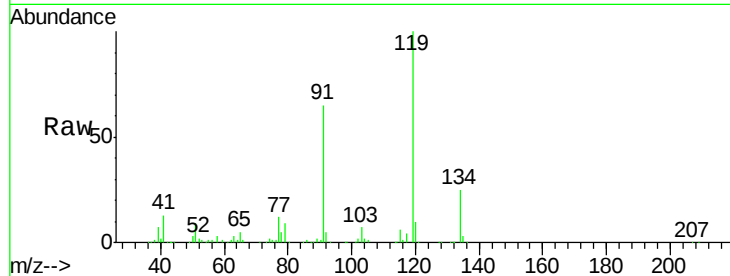
#83
tert-Butylbenzene
Concen: 20.074 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD066230.D
Acq: 14 Aug 2020 12:16

Instrument :
MSVOA_D
ClientSampleId :
VD0814SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.8	30.8	92.4
134	26.3	13.6	40.8

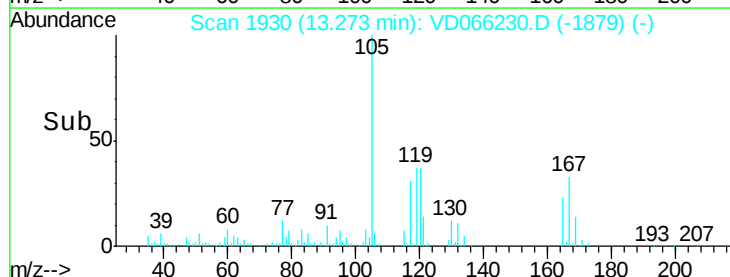
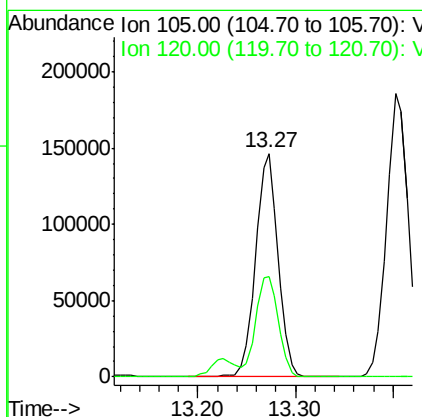
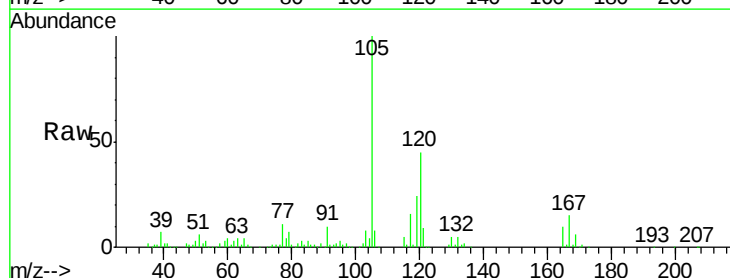
Manual Integrations
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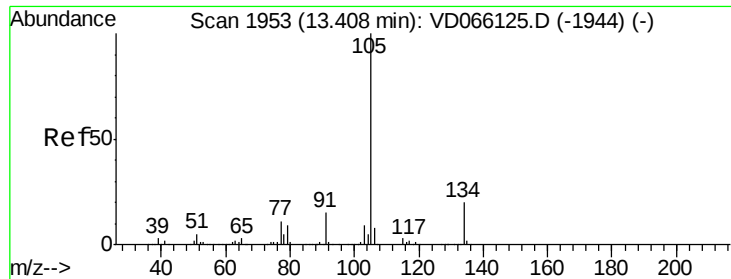
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#84
1,2,4-Trimethylbenzene
Concen: 20.127 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD066230.D
Acq: 14 Aug 2020 12:16

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.6	23.1	69.2





#85

sec-Butylbenzene

Concen: 20.577 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.01 min

Lab File: VD066230.D

Acq: 14 Aug 2020 12:16

Instrument :

MSVOA_D

ClientSampleId :

VD0814SBS01

Tot Ion:105 Resp: 287986

Ion Ratio Lower Upper

105 100

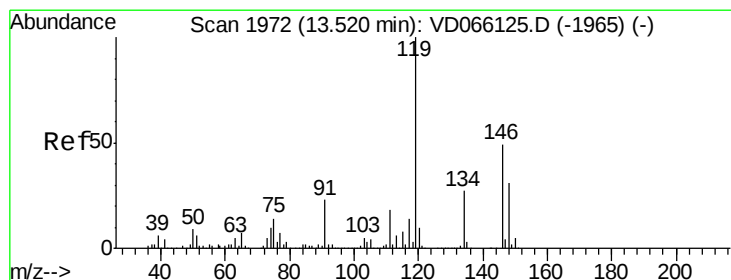
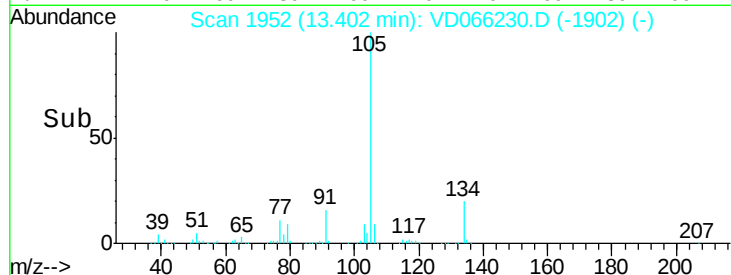
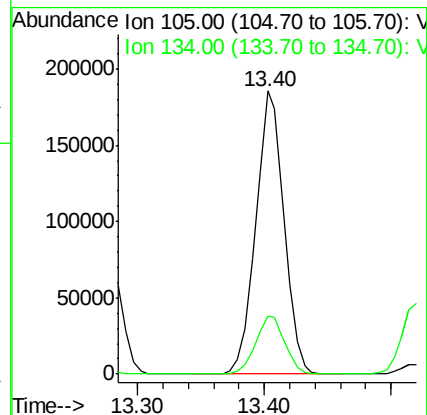
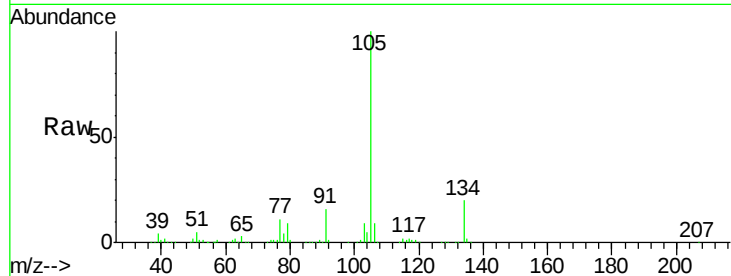
134 21.0 10.4 31.4

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 20.568 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066230.D

Acq: 14 Aug 2020 12:16

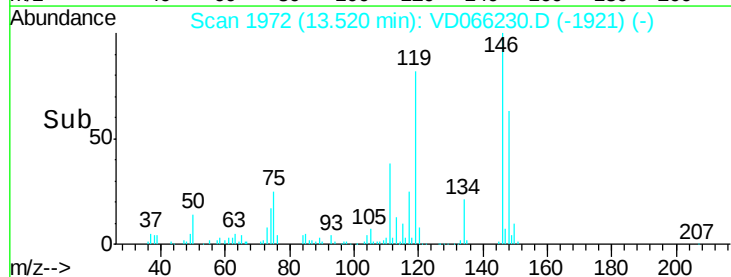
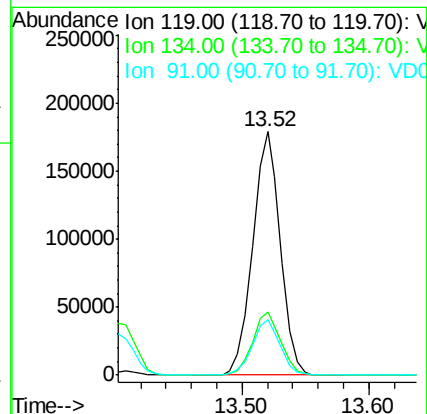
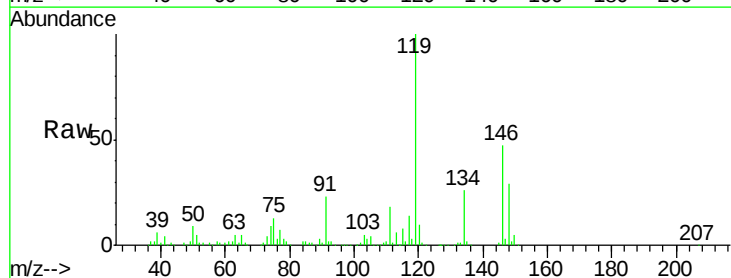
Tgt Ion:119 Resp: 269989

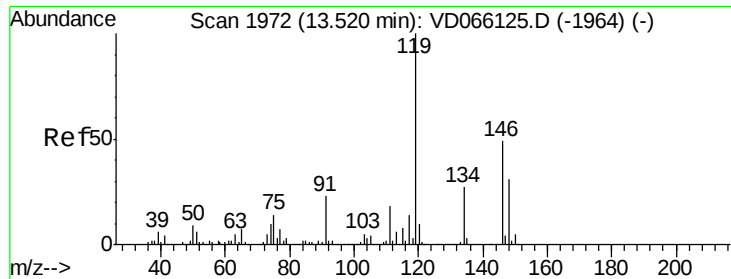
Ion Ratio Lower Upper

119 100

134 26.4 13.5 40.4

91 23.0 11.2 33.5





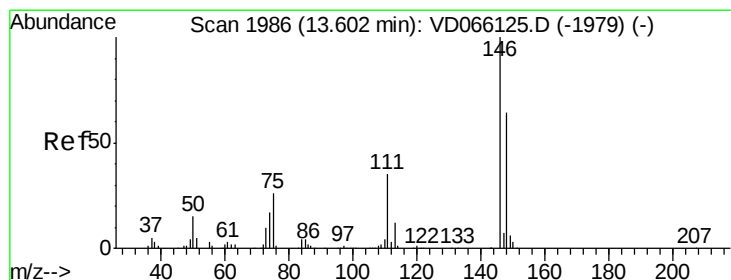
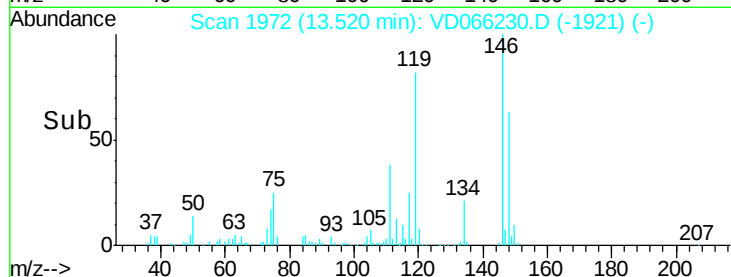
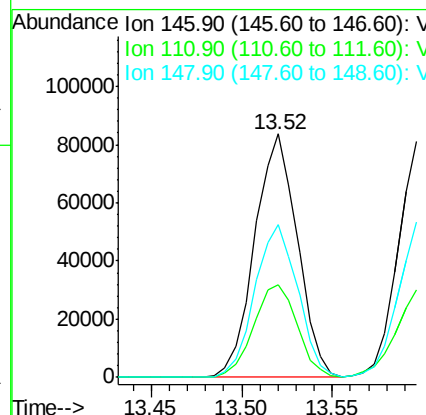
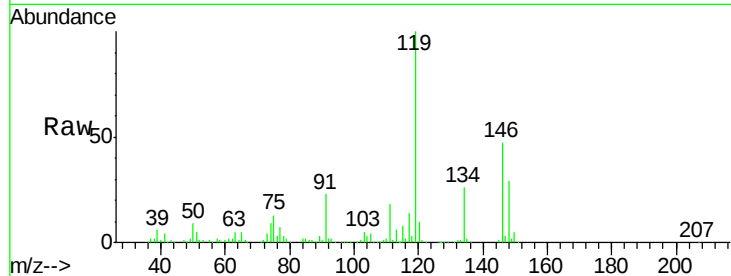
#87
 1,3-Dichlorobenzene
 Concen: 20.075 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD066230.D
 Acq: 14 Aug 2020 12:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0814SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	136890		
111	38.9	18.9	56.9	
148	63.2	31.8	95.3	

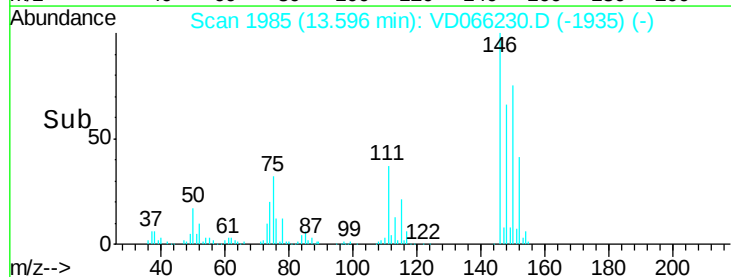
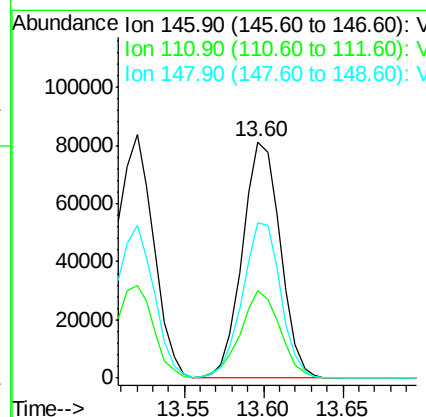
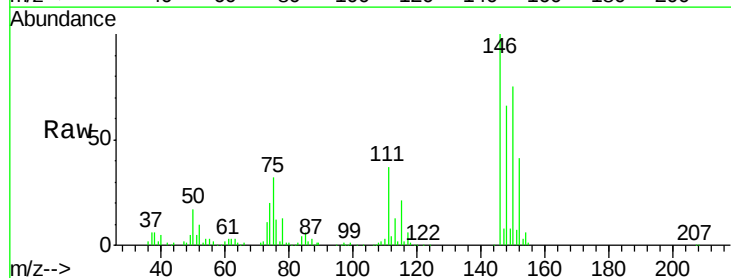
Manual Integrations
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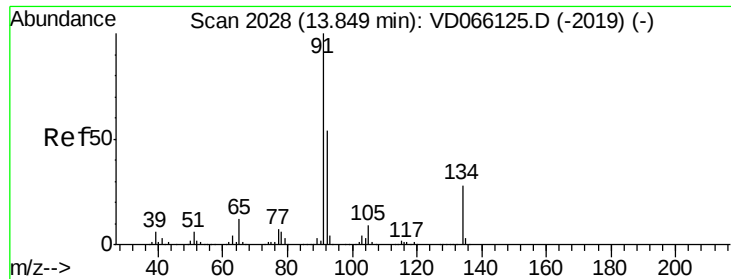
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#88
 1,4-Dichlorobenzene
 Concen: 19.919 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.01 min
 Lab File: VD066230.D
 Acq: 14 Aug 2020 12:16

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	135457		
111	38.6	18.6	55.8	
148	66.4	32.4	97.0	





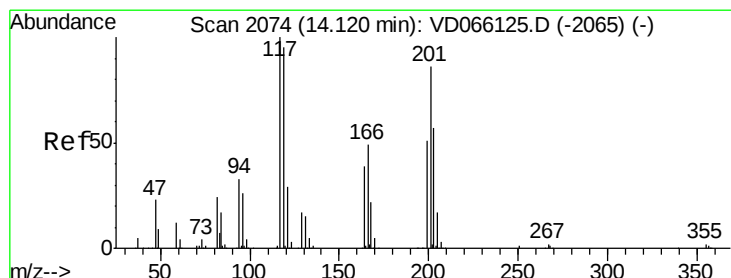
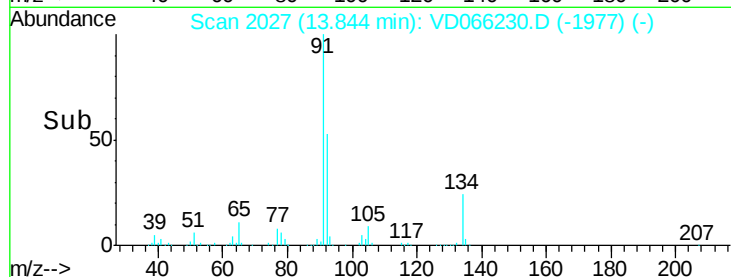
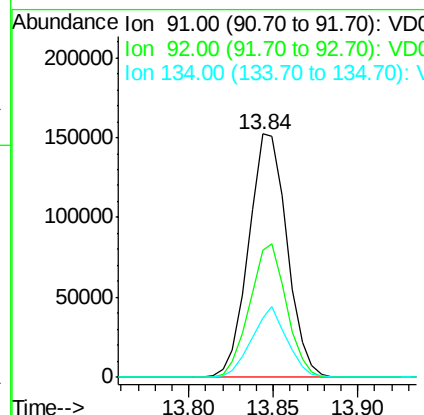
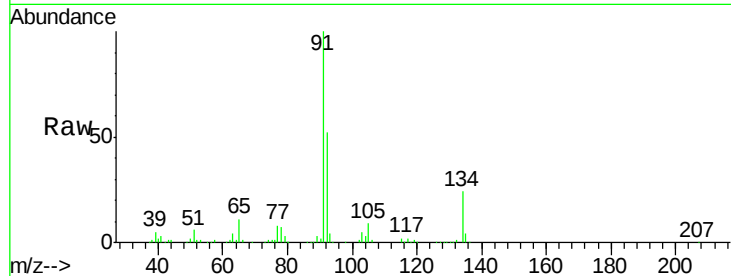
#89
n-Butylbenzene
Concen: 20.467 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.01 min
Lab File: VD066230.D
Acq: 14 Aug 2020 12:16

Instrument :
MSVOA_D
ClientSampleId :
VD0814SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	240714		
92	52.7	26.8	80.3	
134	26.6	14.0	41.9	

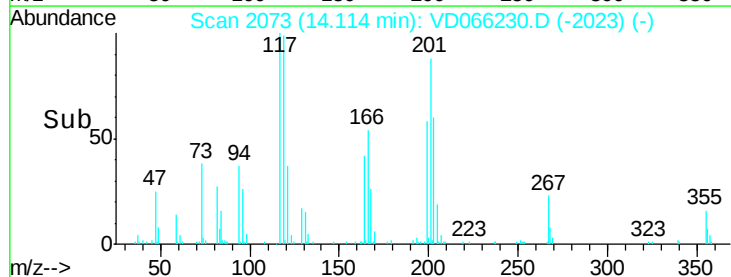
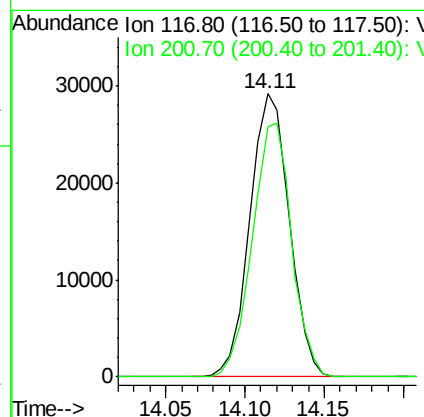
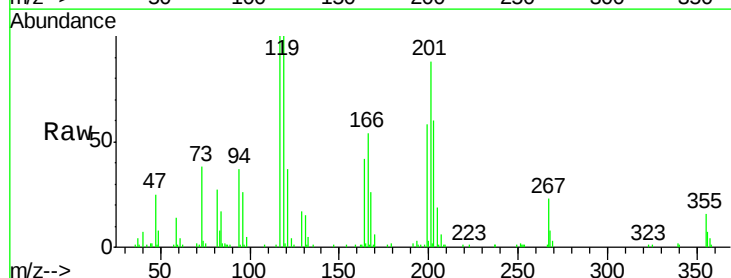
Manual Integrations
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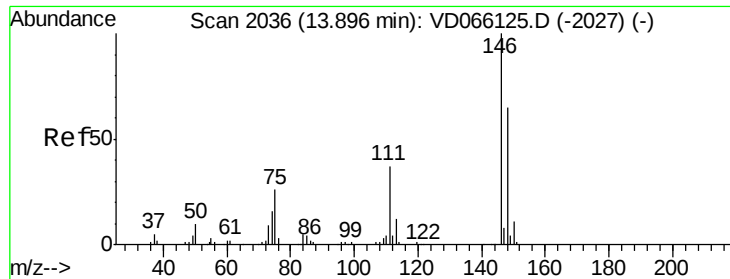
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#90
Hexachloroethane
Concen: 19.364 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.01 min
Lab File: VD066230.D
Acq: 14 Aug 2020 12:16

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	50695		
201	88.9	42.7	128.1	





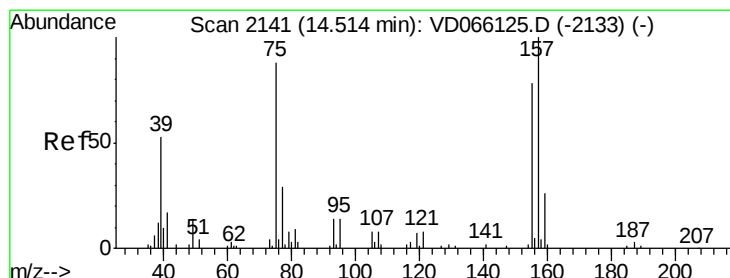
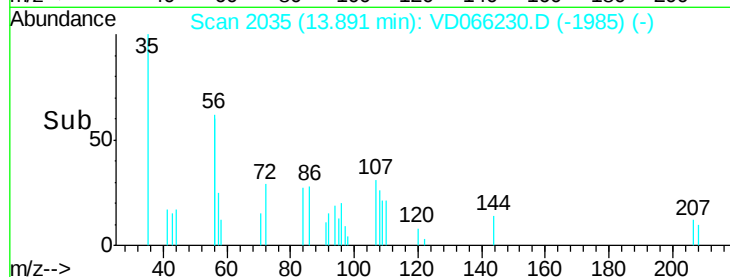
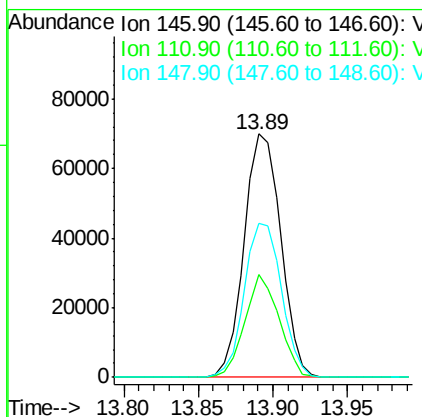
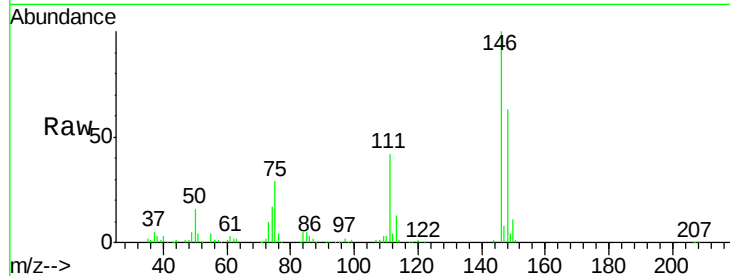
#91
 1,2-Dichlorobenzene
 Concen: 19.712 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.01 min
 Lab File: VD066230.D
 Acq: 14 Aug 2020 12:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0814SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	118875		
111	39.3	18.8	56.3	
148	64.2	31.9	95.5	

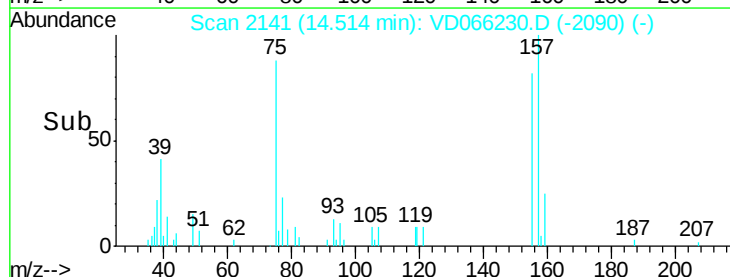
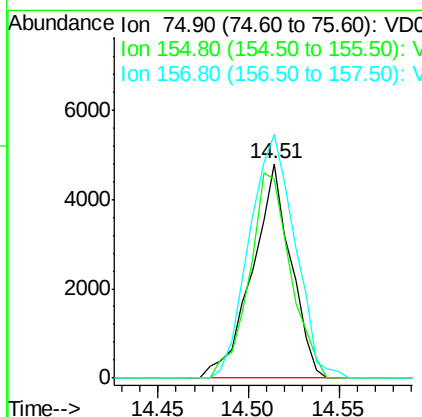
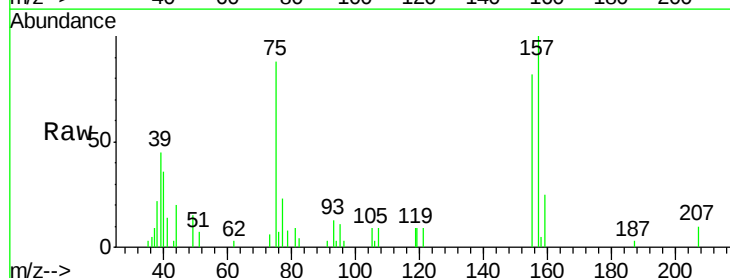
Manual Integrations
 APPROVED

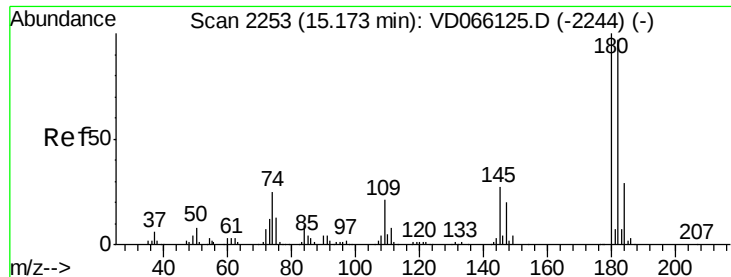
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.235 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VD066230.D
 Acq: 14 Aug 2020 12:16

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	7119		
155	101.4	47.7	143.1	
157	133.9	62.1	186.2	





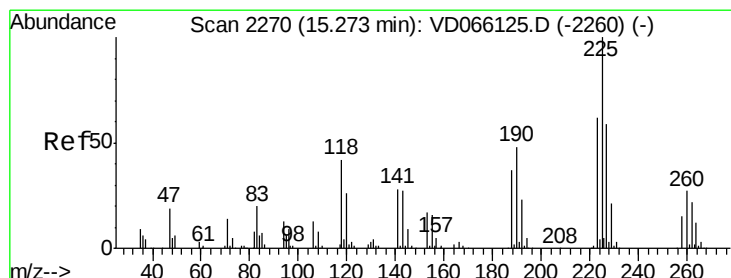
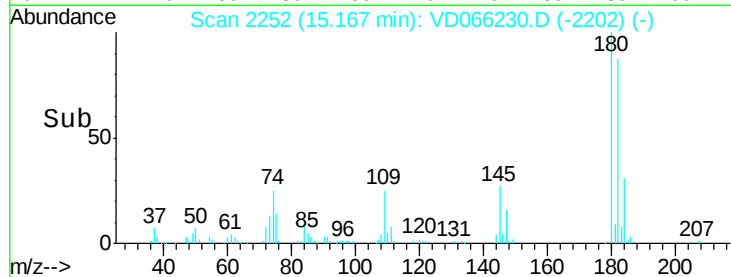
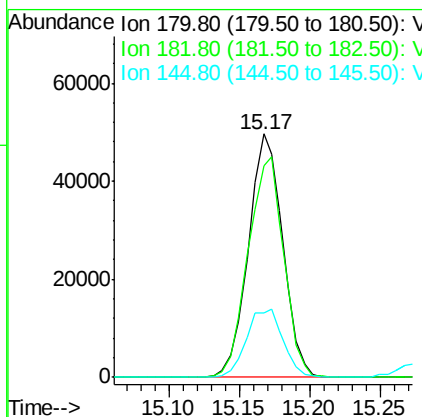
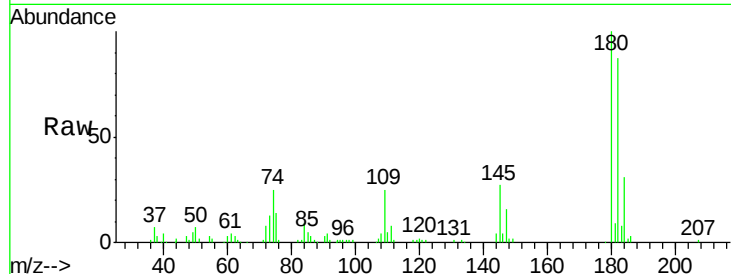
#93
 1,2,4-Trichlorobenzene
 Concen: 19.041 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.01 min
 Lab File: VD066230.D
 Acq: 14 Aug 2020 12:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0814SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.0	47.4	142.2	
145	29.9	14.5	43.6	

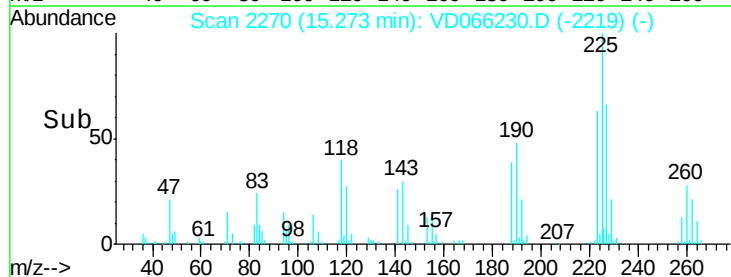
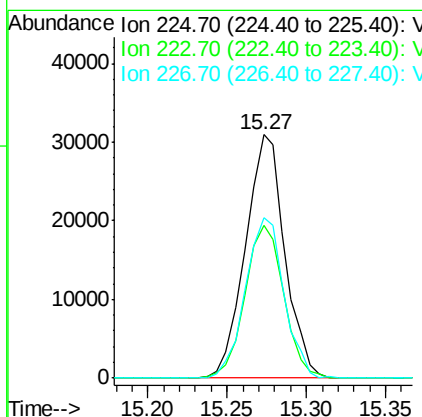
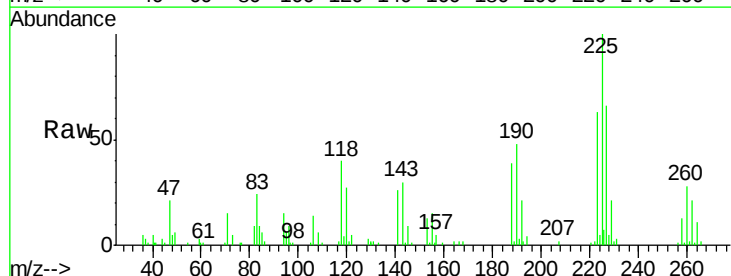
Manual Integrations
 APPROVED

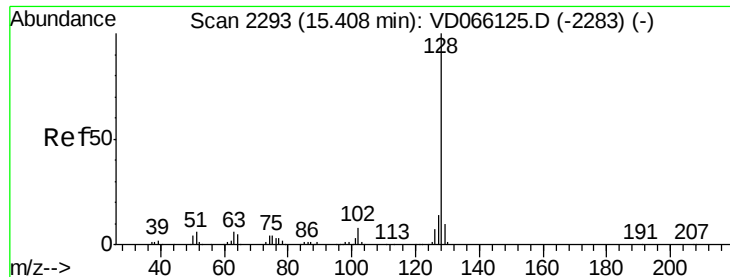
MMDadoda
 8/17/2020 5:45:55 PM



#94
 Hexachlorobutadiene
 Concen: 20.354 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD066230.D
 Acq: 14 Aug 2020 12:16

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.0	32.3	96.9	
227	64.7	32.1	96.5	





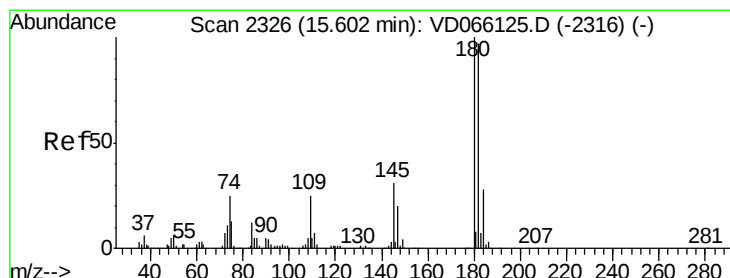
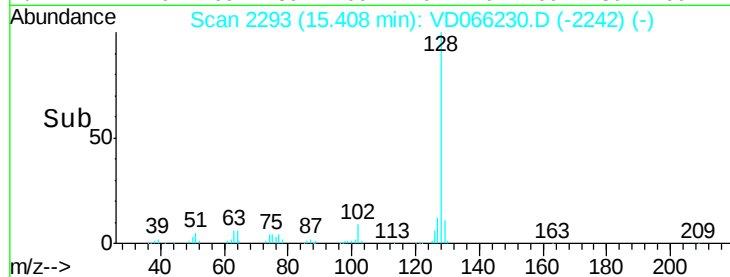
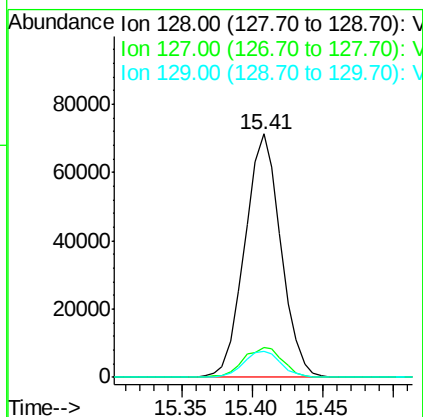
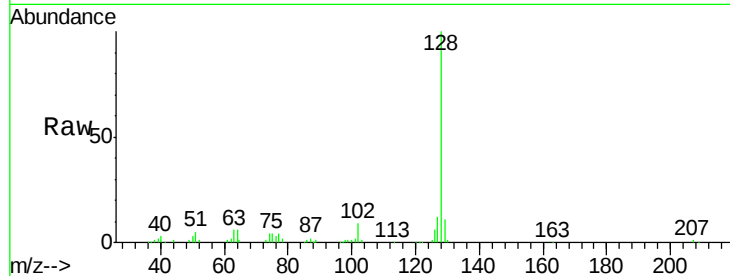
#95
Naphthalene
Concen: 17.653 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD066230.D
Acq: 14 Aug 2020 12:16

Instrument :
MSVOA_D
ClientSampleId :
VD0814SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	11.0	16.4
129	11.0	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
8/17/2020 5:45:55 PM



#96
1,2,3-Trichlorobenzene
Concen: 18.456 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD066230.D
Acq: 14 Aug 2020 12:16

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.1	141.4
145	30.7	14.9	44.9

