

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090920\
 Data File : VD066576.D
 Acq On : 09 Sep 2020 12:02
 Operator : VA/SY
 Sample : VD0909SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0909SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/10/2020 10:46:47 AM

Quant Time: Sep 09 14:15:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D090320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 04 01:57:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	390971	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	642785	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	576818	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	273471	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	236895	50.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.16%	
35) Dibromofluoromethane	7.91	113	222475	51.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.62%	
50) Toluene-d8	10.34	98	819224	52.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.72%	
62) 4-Bromofluorobenzene	12.63	95	275768	53.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	78634	22.161	ug/l	91
3) Chloromethane	2.21	50	95287	19.272	ug/l	99
4) Vinyl Chloride	2.35	62	114913	20.954	ug/l	97
5) Bromomethane	2.76	94	80718	20.608	ug/l	92
6) Chloroethane	2.92	64	73559	21.118	ug/l	89
7) Trichlorofluoromethane	3.27	101	156381	19.303	ug/l	99
8) Diethyl Ether	3.71	74	38637	18.940	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.09	101	84685	19.315	ug/l	99
10) Methyl Iodide	4.30	142	70791	20.300	ug/l	99
11) Tert butyl alcohol	5.22	59	37037	97.467	ug/l	99
12) 1,1-Dichloroethene	4.06	96	75368	19.134	ug/l	93
13) Acrolein	3.92	56	18787	97.132	ug/l	93
14) Allyl chloride	4.71	41	119218	18.467	ug/l	94
15) Acrylonitrile	5.42	53	83416	95.187	ug/l	98
16) Acetone	4.16	43	92198	105.929	ug/l	96
17) Carbon Disulfide	4.41	76	246366	19.025	ug/l	99
18) Methyl Acetate	4.72	43	39512	19.044	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	177997	19.270	ug/l	99
20) Methylene Chloride	4.97	84	96550	15.832	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	88947	19.015	ug/l	97
22) Diisopropyl ether	6.36	45	253428	19.090	ug/l	93
23) Vinyl Acetate	6.30	43	729543	96.568	ug/l	97
24) 1,1-Dichloroethane	6.27	63	157573	18.875	ug/l	99
25) 2-Butanone	7.21	43	111388	95.335	ug/l	97
26) 2,2-Dichloropropane	7.20	77	153442	20.037	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	94698	18.826	ug/l	97
28) Bromochloromethane	7.55	49	56211	17.489	ug/l	99
29) Tetrahydrofuran	7.56	42	66552	91.460	ug/l	98
30) Chloroform	7.70	83	168783	19.110	ug/l	94
31) Cyclohexane	7.98	56	139485	18.075	ug/l	# 90
32) 1,1,1-Trichloroethane	7.90	97	158186	19.050	ug/l	100
36) 1,1-Dichloropropene	8.11	75	131123	19.602	ug/l	98
37) Ethyl Acetate	7.29	43	50549	18.977	ug/l	99
38) Carbon Tetrachloride	8.09	117	143452	20.288	ug/l	95

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D090320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 04 01:57:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	145992	19.544	ug/l	93
40) Benzene	8.35	78	341435	18.636	ug/l	97
41) Methacrylonitrile	7.53	41	30243m	23.455	ug/l	
42) 1,2-Dichloroethane	8.43	62	113971	19.200	ug/l	98
43) Isopropyl Acetate	8.45	43	97295	19.060	ug/l	99
44) Trichloroethene	9.11	130	96119	20.001	ug/l	92
45) 1,2-Dichloropropane	9.38	63	85073	18.465	ug/l	94
46) Dibromomethane	9.47	93	49423	19.443	ug/l	97
47) Bromodichloromethane	9.66	83	129043	18.764	ug/l	96
48) Methyl methacrylate	9.45	41	45031	17.446	ug/l	91
49) 1,4-Dioxane	9.46	88	10398	372.862	ug/l	99
51) 4-Methyl-2-Pentanone	10.23	43	249535	96.928	ug/l	97
52) Toluene	10.40	92	219977	18.968	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	118015	19.439	ug/l	91
54) cis-1,3-Dichloropropene	10.08	75	140473	19.268	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	61916	18.944	ug/l	93
56) Ethyl methacrylate	10.66	69	73640	19.351	ug/l	96
57) 1,3-Dichloropropane	10.94	76	110105	19.233	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	199503	114.619	ug/l	97
59) 2-Hexanone	10.98	43	167205	96.580	ug/l	99
60) Dibromochloromethane	11.14	129	84057	19.449	ug/l	98
61) 1,2-Dibromoethane	11.24	107	59799	18.807	ug/l	99
64) Tetrachloroethene	10.87	164	74821	19.265	ug/l	95
65) Chlorobenzene	11.67	112	225095	18.907	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	85152	18.741	ug/l	98
67) Ethyl Benzene	11.74	91	425901	19.483	ug/l	97
68) m/p-Xylenes	11.86	106	322470	39.729	ug/l	98
69) o-Xylene	12.18	106	137901	18.958	ug/l	96
70) Styrene	12.20	104	240147	18.990	ug/l	97
71) Bromoform	12.36	173	44158	19.284	ug/l #	100
73) Isopropylbenzene	12.48	105	398350	19.674	ug/l	99
74) N-amyl acetate	12.29	43	86179	18.793	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	69332	19.382	ug/l	96
76) 1,2,3-Trichloropropane	12.78	75	52449m	19.942	ug/l	
77) Bromobenzene	12.76	156	88904	19.695	ug/l	98
78) n-propylbenzene	12.82	91	484168	19.726	ug/l	100
79) 2-Chlorotoluene	12.91	91	270958	19.678	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	335874	19.709	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	20401	18.110	ug/l	95
82) 4-Chlorotoluene	13.00	91	285824	19.411	ug/l	98
83) tert-Butylbenzene	13.23	119	272794	19.602	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	338941	19.977	ug/l	97
85) sec-Butylbenzene	13.40	105	397031	19.802	ug/l	99
86) p-Isopropyltoluene	13.52	119	358925	19.889	ug/l	98
87) 1,3-Dichlorobenzene	13.51	146	172039	19.197	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	173029	19.237	ug/l	98
89) n-Butylbenzene	13.84	91	348007	19.789	ug/l	100
90) Hexachloroethane	14.11	117	73024	18.780	ug/l	96
91) 1,2-Dichlorobenzene	13.89	146	147483	18.828	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	10837	17.834	ug/l	86

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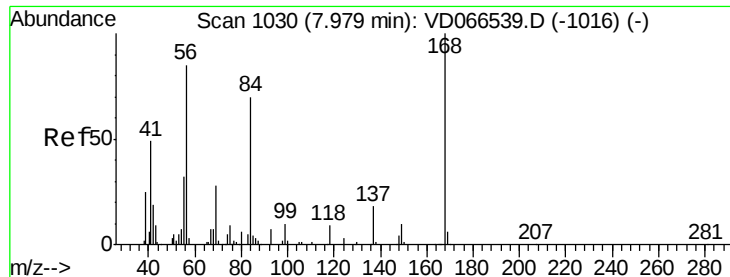
Manual Integrations
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MMDadoda
9/10/2020 10:46:47 AM

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D090320S.M
Quant Title : SW846 8260
QLast Update : Fri Sep 04 01:57:04 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	94110	20.019	ug/l	99
94) Hexachlorobutadiene	15.27	225	57223	20.262	ug/l	99
95) Naphthalene	15.41	128	170947	20.810	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	82310	20.537	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD066576.D

Acq: 09 Sep 2020 12:02

Instrument :

MSVOA_D

ClientSampleId :

VD0909SBS01

Tot Ion:168 Resp: 390971

Ion Ratio Lower Upper

168 100

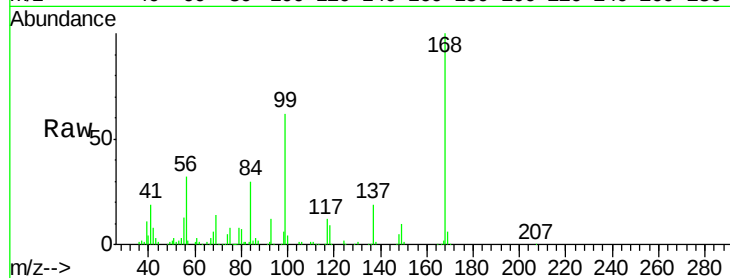
99 61.3 50.5 75.7

Manual Integrations

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9/10/2020 10:46:47 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

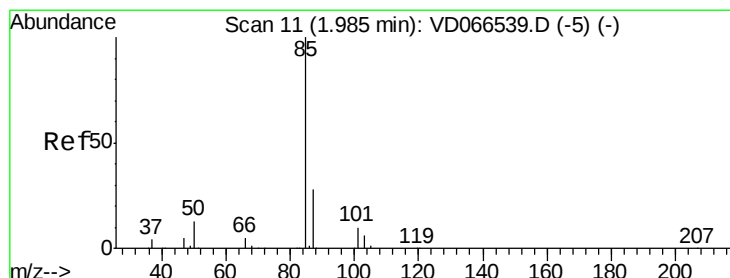
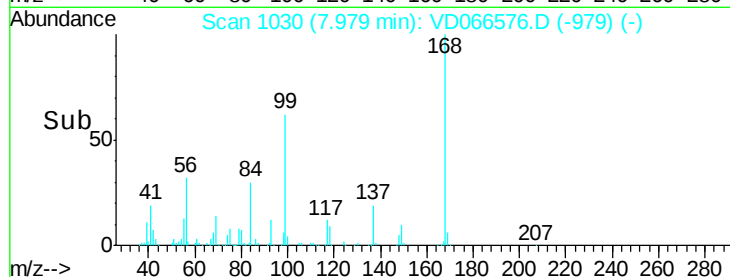
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 22.161 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066576.D

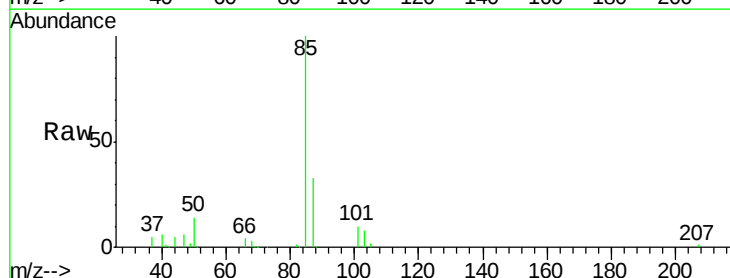
Acq: 09 Sep 2020 12:02

Tgt Ion: 85 Resp: 78634

Ion Ratio Lower Upper

85 100

87 32.9 14.2 42.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

60000

50000

40000

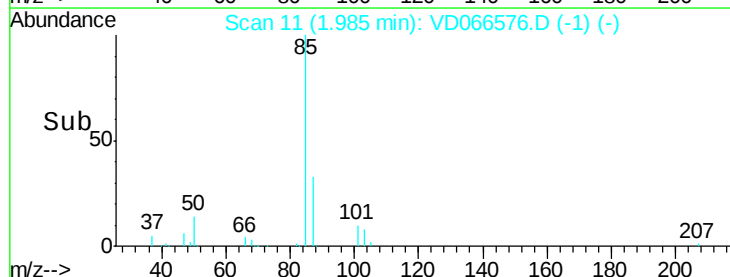
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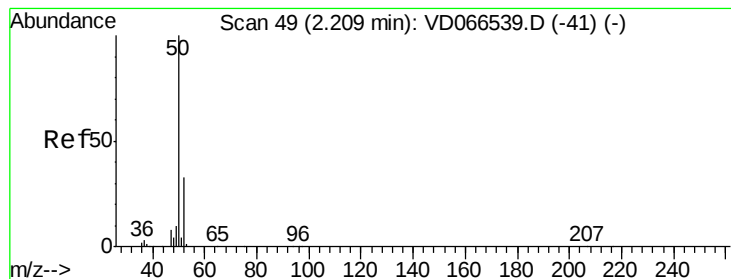
20000

10000

0

Time-->





#3

Chloromethane

Concen: 19.272 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD066576.D

Acq: 09 Sep 2020 12:02

Instrument :

MSVOA_D

ClientSampleId :

VD0909SBS01

Tot Ion: 50 Resp: 95287

Ion Ratio Lower Upper

50 100

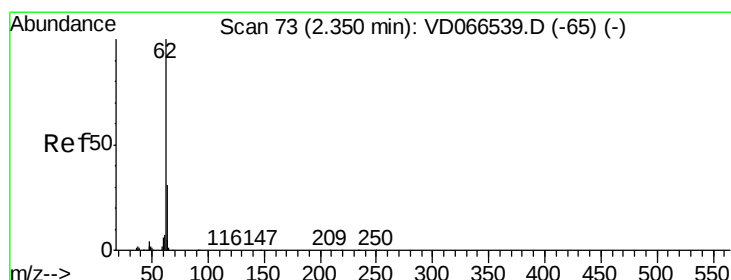
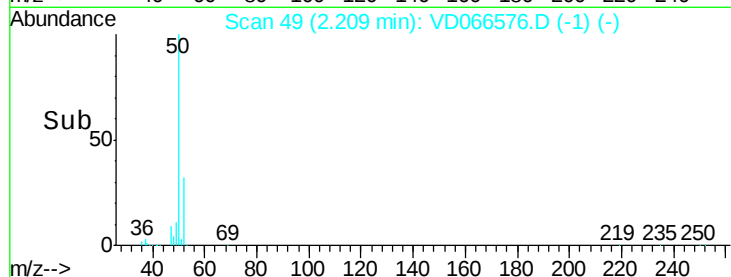
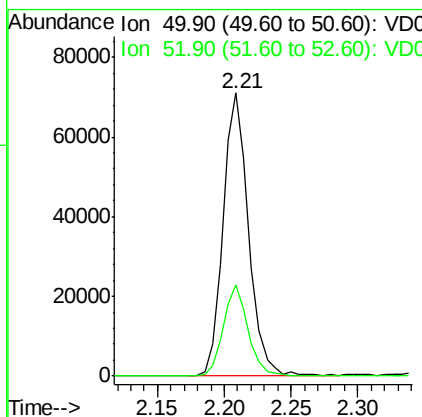
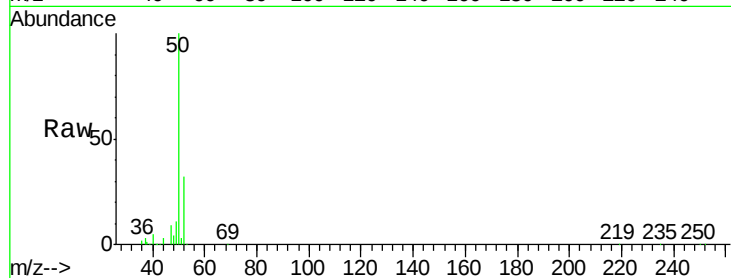
52 32.1 26.2 39.2

Manual Integrations

APPROVED

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9/10/2020 10:46:47 AM



#4

Vinyl Chloride

Concen: 20.954 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD066576.D

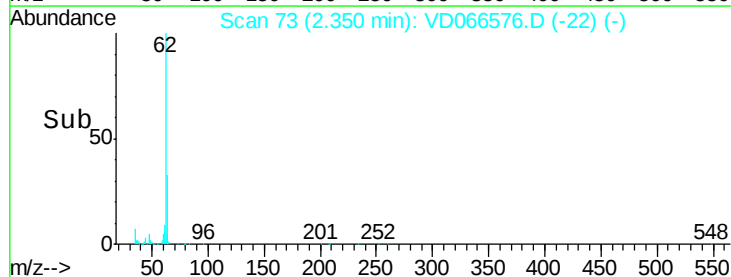
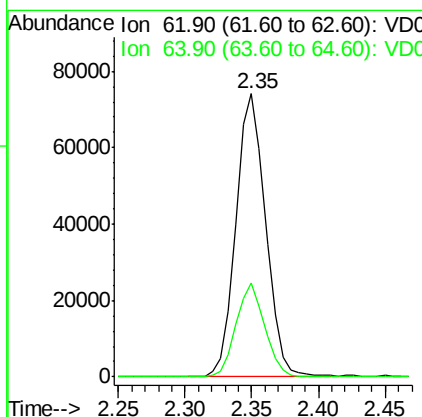
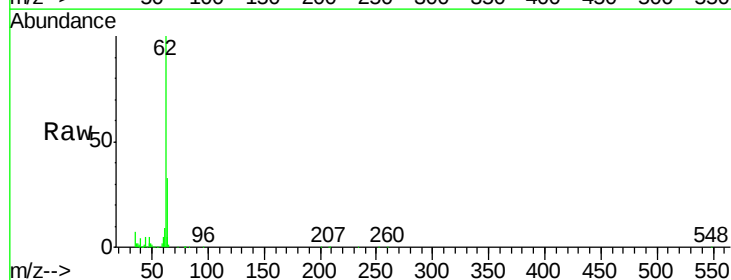
Acq: 09 Sep 2020 12:02

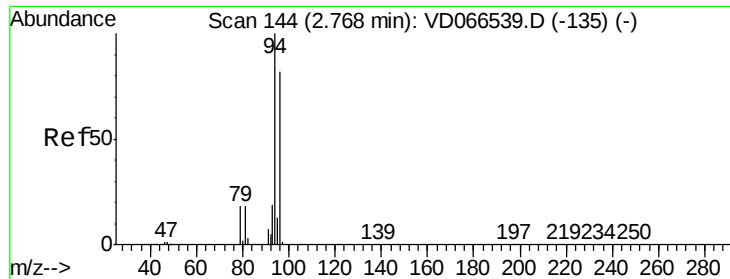
Tgt Ion: 62 Resp: 114913

Ion Ratio Lower Upper

62 100

64 33.2 25.3 37.9





#5

Bromomethane

Concen: 20.608 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD066576.D

Acq: 09 Sep 2020 12:02

Instrument :

MSVOA_D

ClientSampleId :

VD0909SBS01

Tot Ion: 94 Resp: 80718

Ion Ratio Lower Upper

94 100

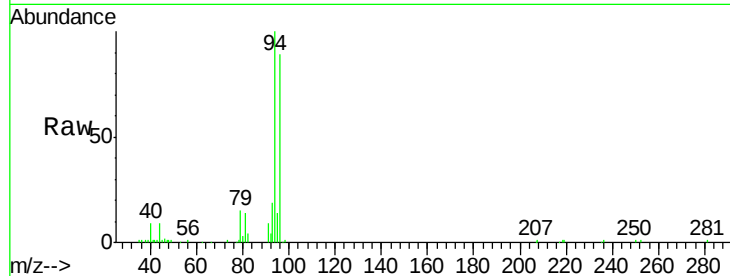
96 88.7 65.2 97.8

Manual Integrations

APPROVED

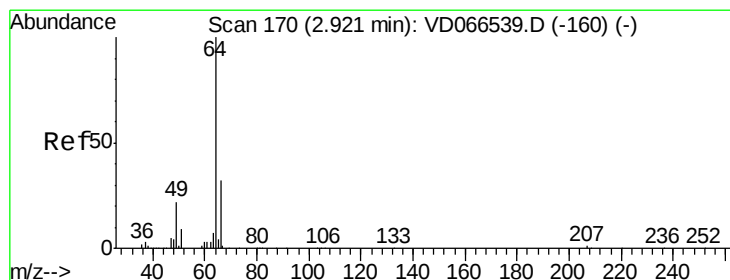
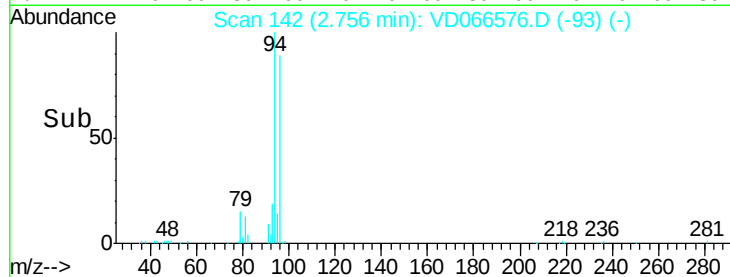
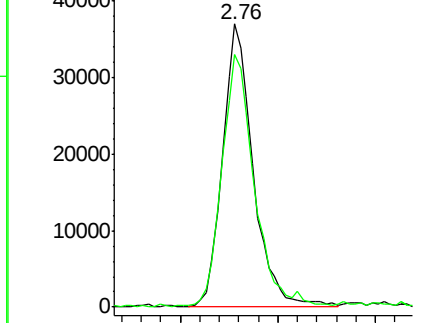
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 21.118 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD066576.D

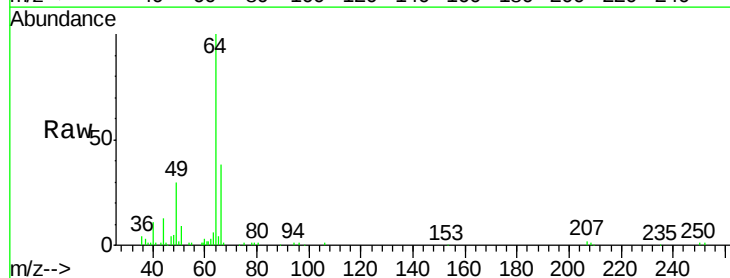
Acq: 09 Sep 2020 12:02

Tgt Ion: 64 Resp: 73559

Ion Ratio Lower Upper

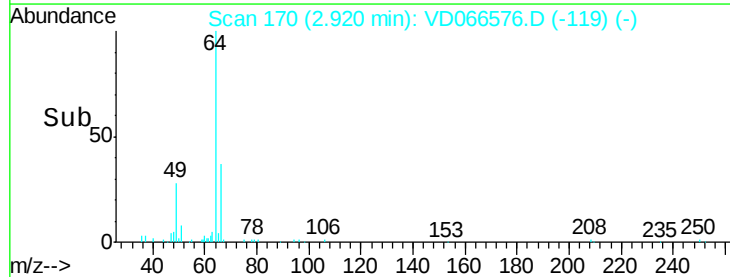
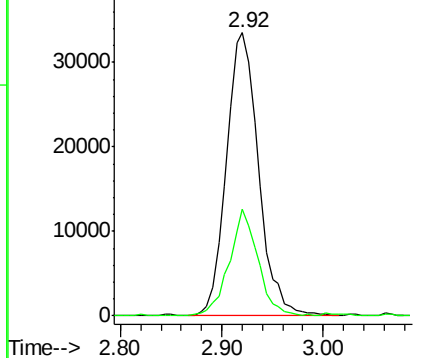
64 100

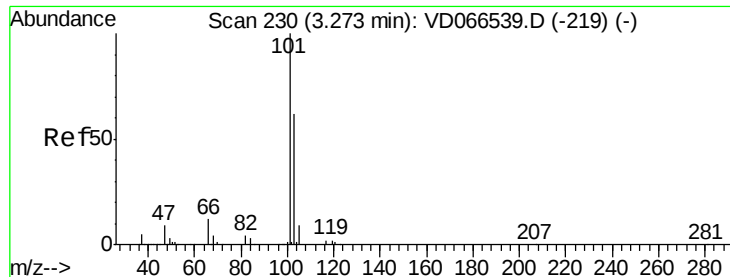
66 37.7 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

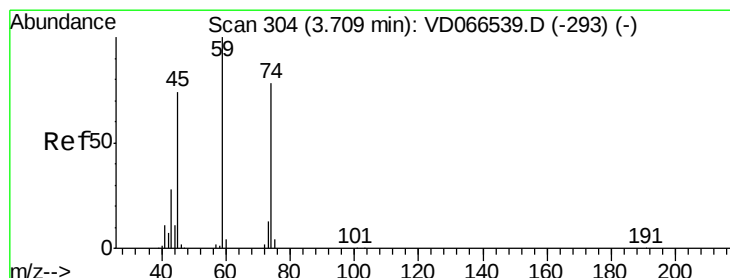
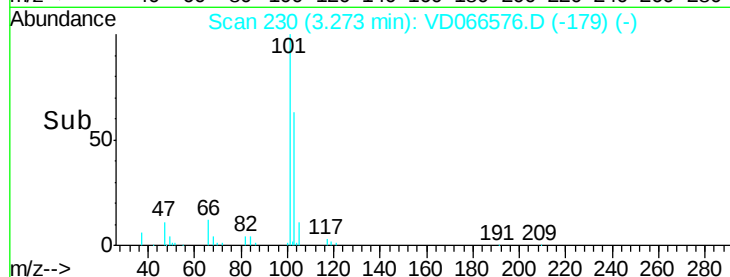
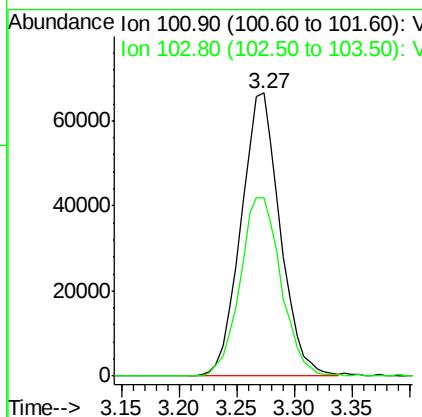
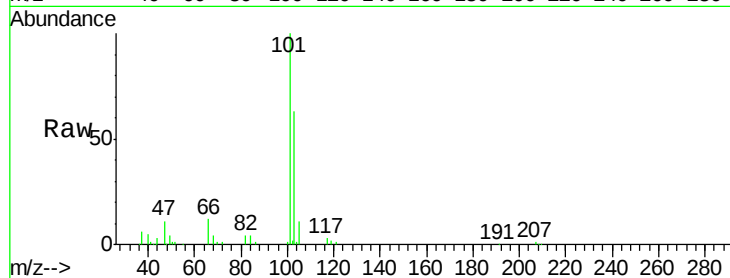
Trichlorofluoromethane
Concen: 19.303 ug/l
RT: 3.27 min Scan# 230
Delta R.T. -0.00 min
Lab File: VD066576.D
Acq: 09 Sep 2020 12:02

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VD0909SBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	156381		
103	62.9	49.7	74.5	

Manual Integrations
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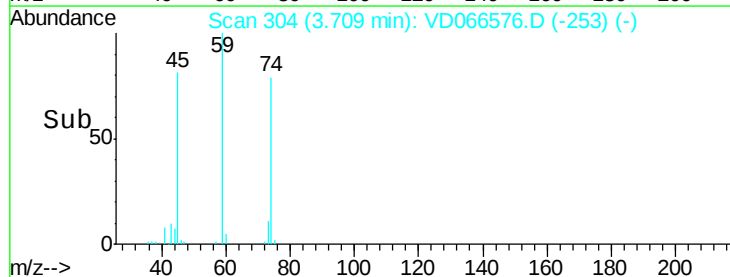
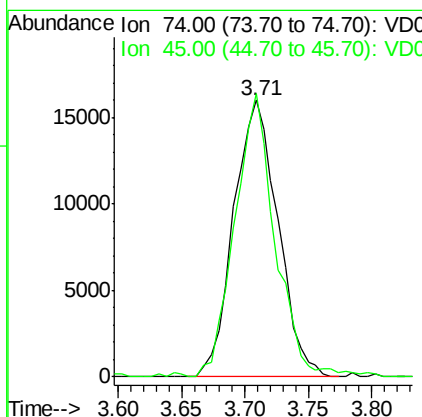
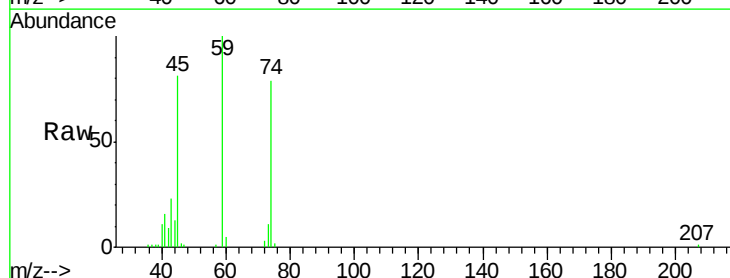
MMDadoda
9/10/2020 10:46:47 AM

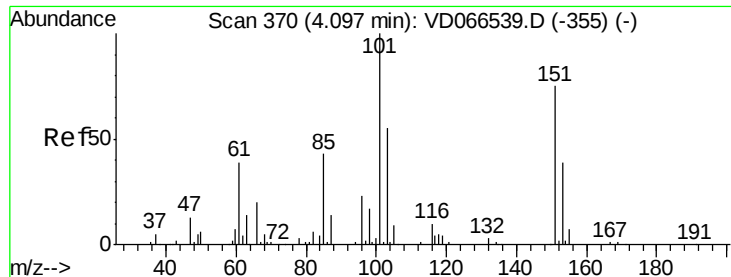


#8

Diethyl Ether
Concen: 18.940 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD066576.D
Acq: 09 Sep 2020 12:02

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	38637		
45	94.0	49.7	149.1	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.315 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD066576.D

Acq: 09 Sep 2020 12:02

Instrument :

MSVOA_D

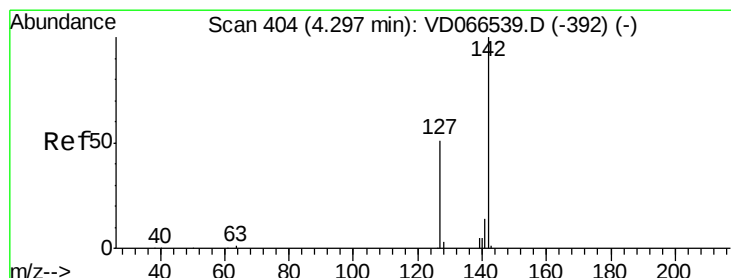
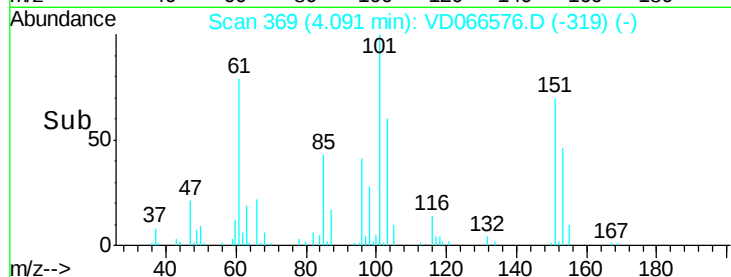
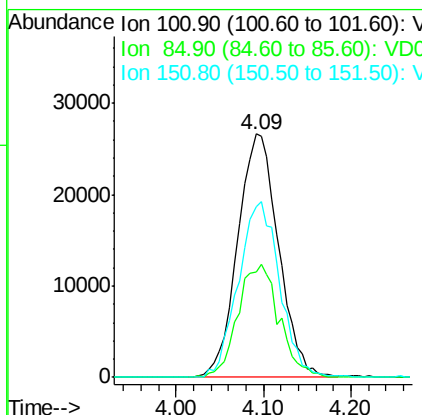
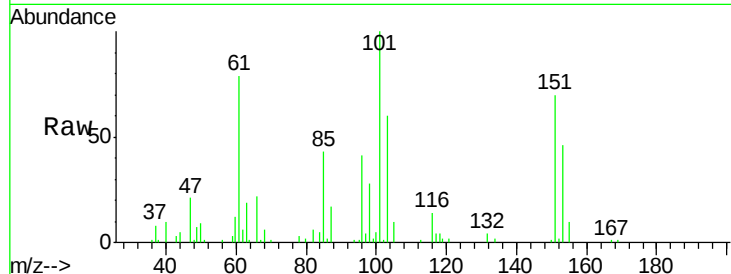
ClientSampleId :

VD0909SBS01

Tot Ion:	101	Resp:	84685
Ion Ratio	Lower	Upper	
101	100		
85	46.8	37.0	55.6
151	73.1	59.4	89.2

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#10

Methyl Iodide

Concen: 20.300 ug/l

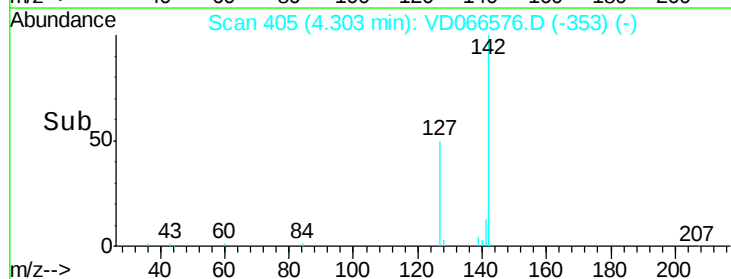
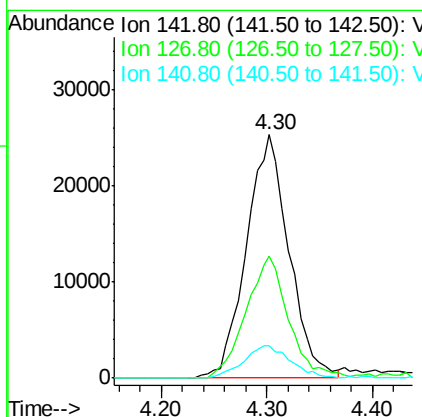
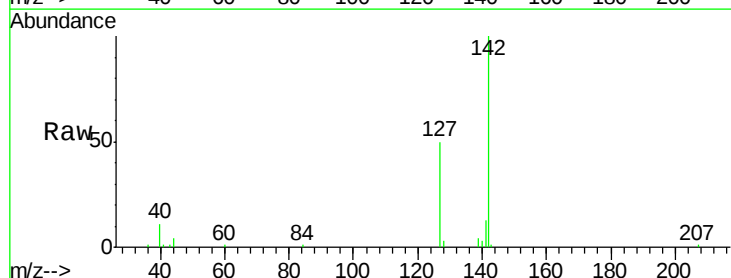
RT: 4.30 min Scan# 405

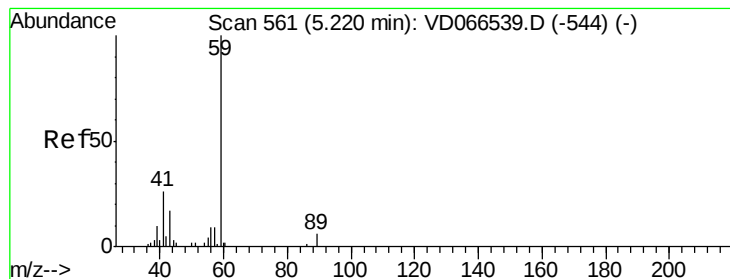
Delta R.T. 0.01 min

Lab File: VD066576.D

Acq: 09 Sep 2020 12:02

Tgt Ion:	142	Resp:	70791
Ion Ratio	Lower	Upper	
142	100		
127	49.9	40.6	61.0
141	14.6	12.2	18.4





#11

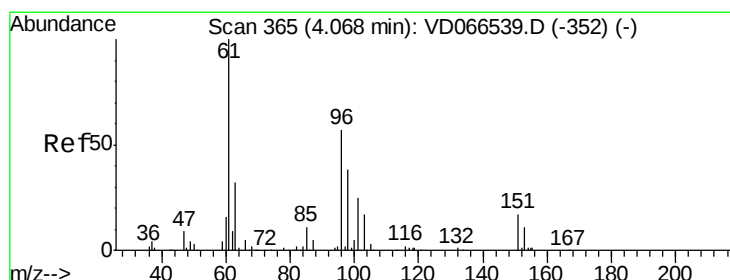
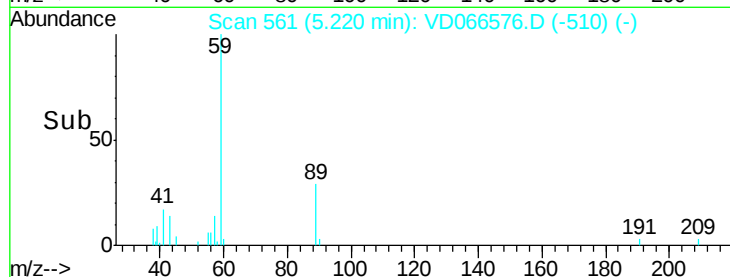
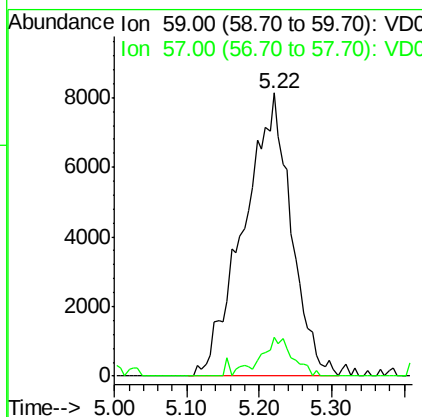
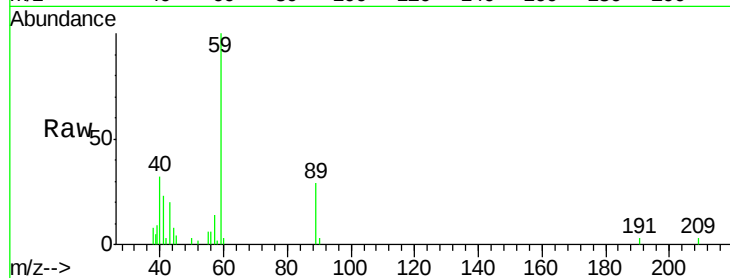
Tert butyl alcohol
 Concen: 97.467 ug/l
 RT: 5.22 min Scan# 561
 Delta R.T. 0.00 min
 Lab File: VD066576.D
 Acq: 09 Sep 2020 12:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0909SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.1	7.6	11.4

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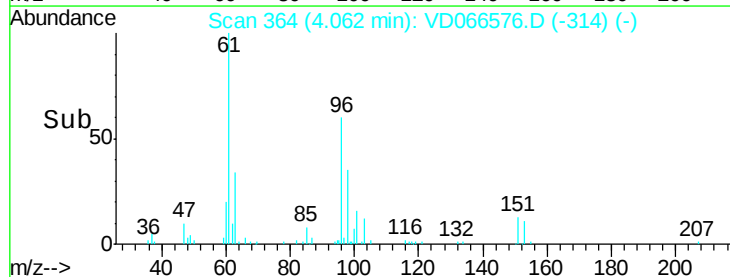
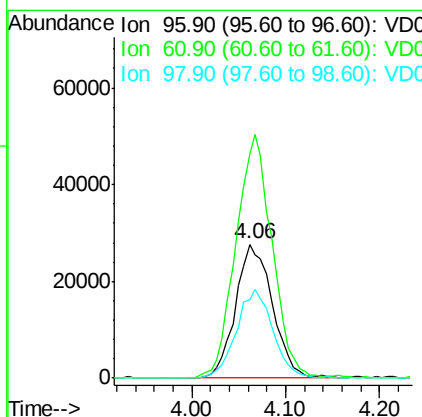
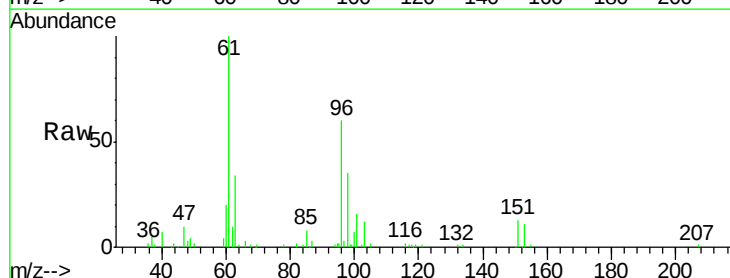
MMDadoda
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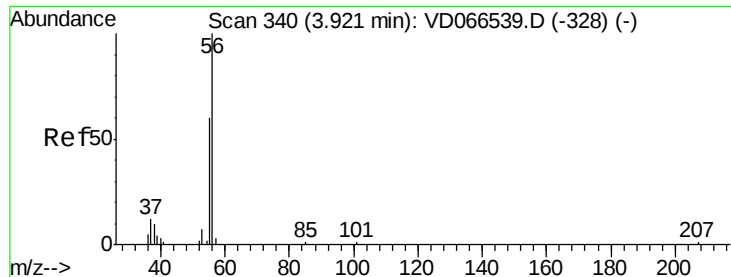


#12

1,1-Dichloroethene
 Concen: 19.134 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. -0.01 min
 Lab File: VD066576.D
 Acq: 09 Sep 2020 12:02

Tgt Ion	Ratio	Lower	Upper
96	100		
61	167.3	140.9	211.3
98	59.0	53.2	79.8





#13

Acrolein

Concen: 97.132 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.00 min

Lab File: VD066576.D

Acq: 09 Sep 2020 12:02

Instrument :

MSVOA_D

ClientSampleId :

VD0909SBS01

Tot Ion: 56 Resp: 18787

Ion Ratio Lower Upper

56 100

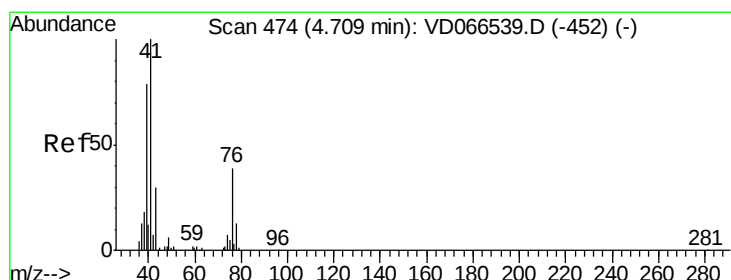
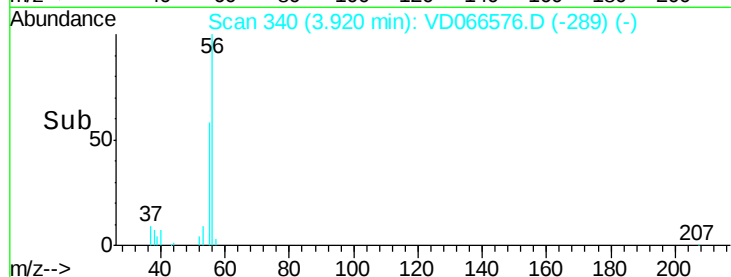
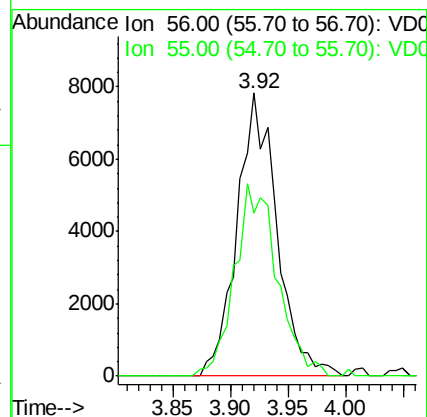
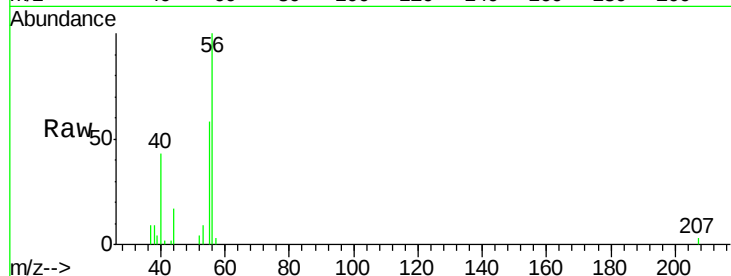
55 72.3 53.6 80.4

Manual Integrations

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#14

Allyl chloride

Concen: 18.467 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD066576.D

Acq: 09 Sep 2020 12:02

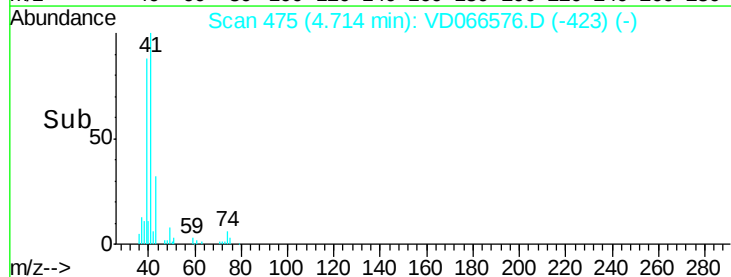
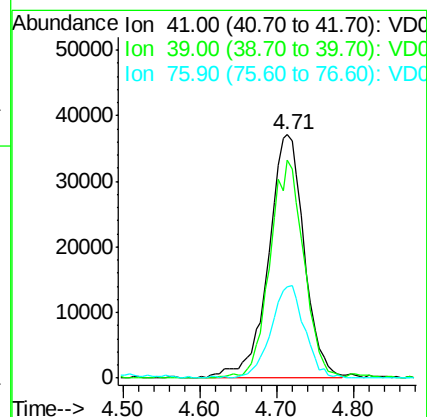
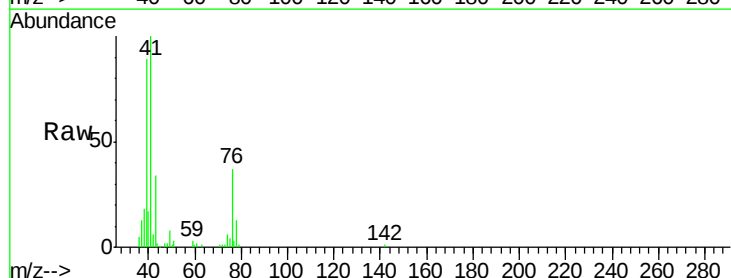
Tgt Ion: 41 Resp: 119218

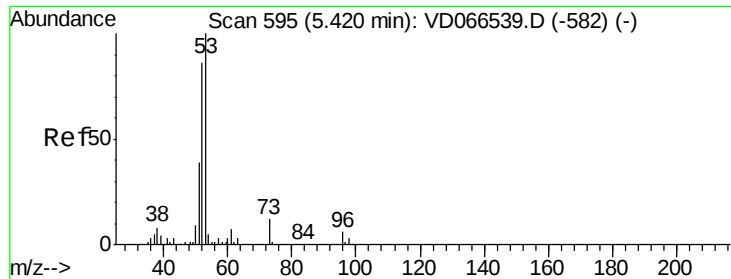
Ion Ratio Lower Upper

41 100

39 85.0 61.9 92.9

76 35.7 29.0 43.6





#15

Acrylonitrile

Concen: 95.187 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.00 min

Lab File: VD066576.D

Acq: 09 Sep 2020 12:02

Instrument :

MSVOA_D

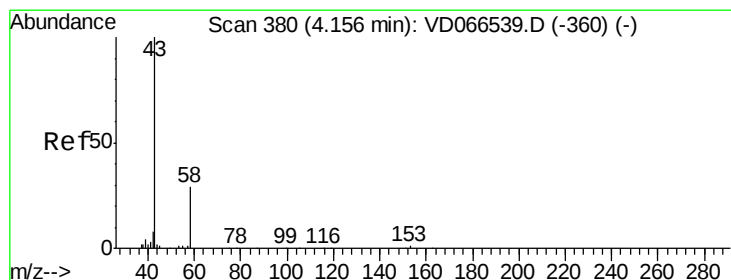
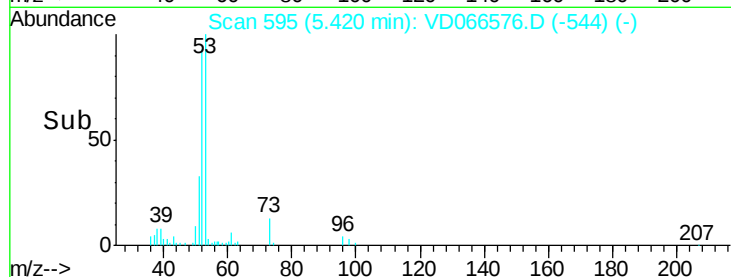
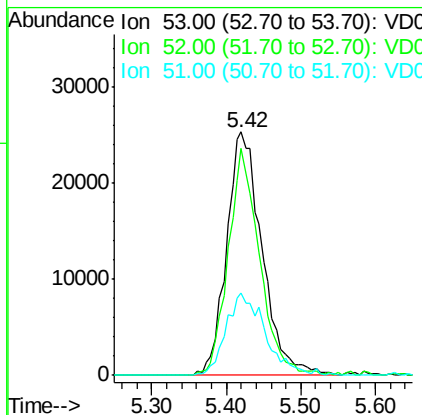
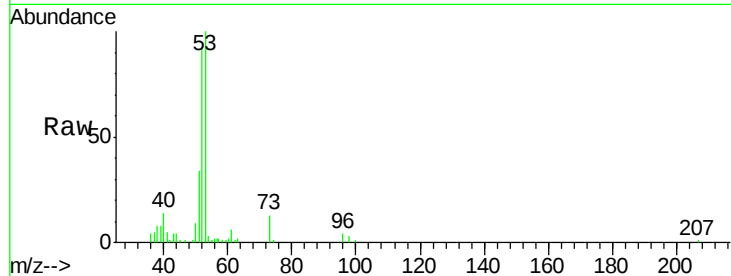
ClientSampleId :

VD0909SBS01

Tot Ion:	53	Resp:	83416
Ion	Ratio	Lower	Upper
53	100		
52	82.6	65.4	98.2
51	37.2	31.2	46.8

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#16

Acetone

Concen: 105.929 ug/l

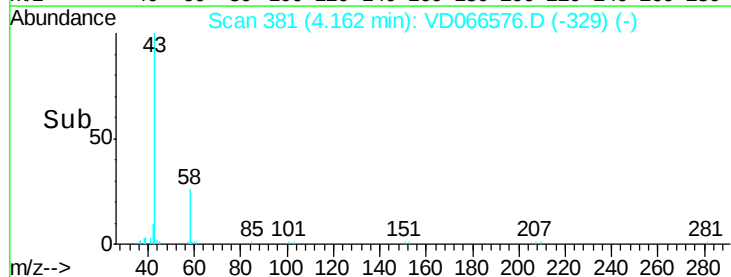
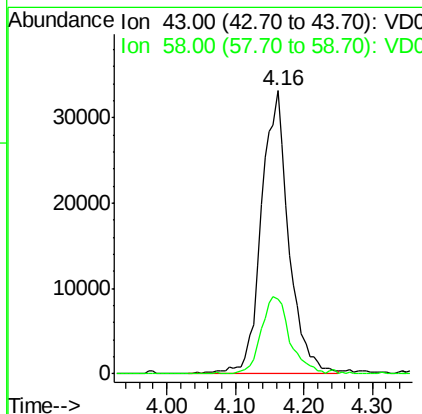
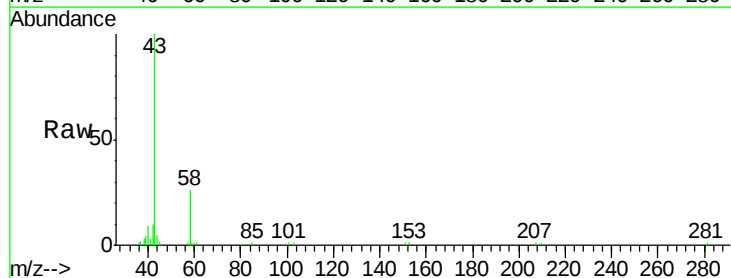
RT: 4.16 min Scan# 381

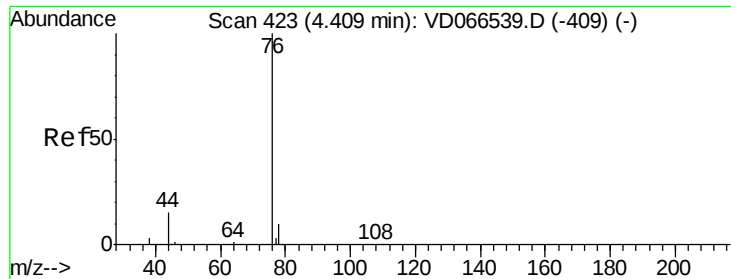
Delta R.T. 0.01 min

Lab File: VD066576.D

Acq: 09 Sep 2020 12:02

Tgt Ion:	43	Resp:	92198
Ion	Ratio	Lower	Upper
43	100		
58	26.2	22.9	34.3





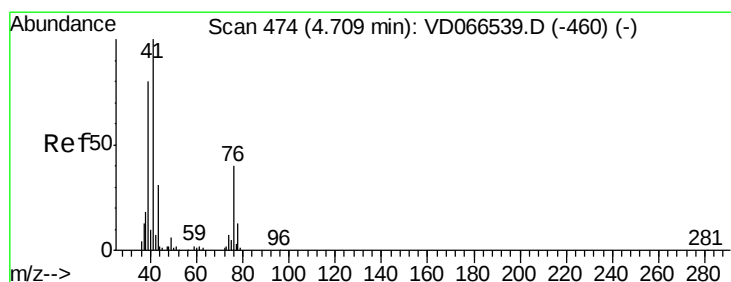
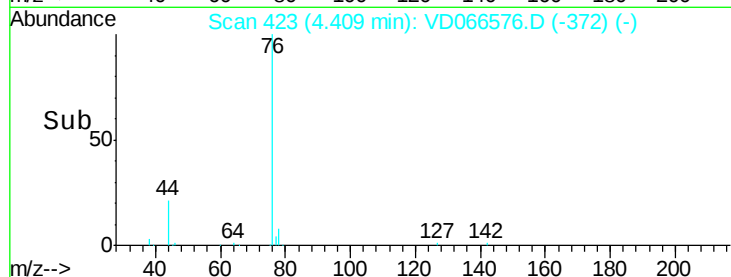
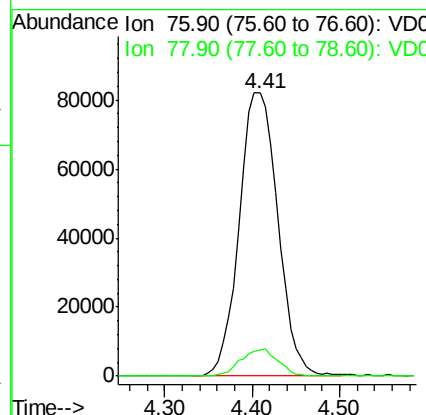
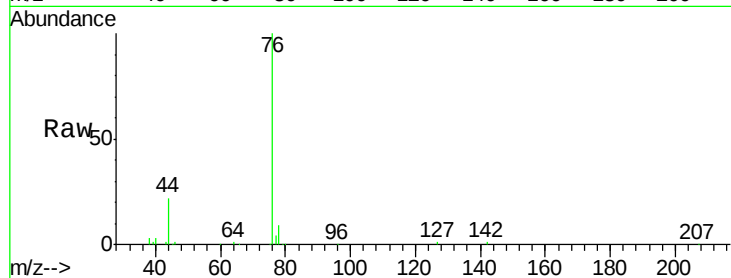
#17
Carbon Disulfide
Concen: 19.025 ug/l
RT: 4.41 min Scan# 423
Delta R.T. -0.00 min
Lab File: VD066576.D
Acq: 09 Sep 2020 12:02

Instrument :
MSVOA_D
ClientSampleId :
VD0909SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.6	11.4

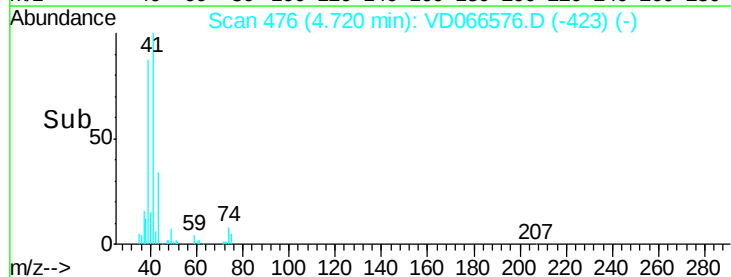
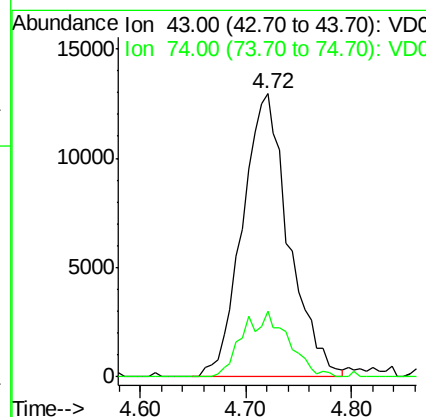
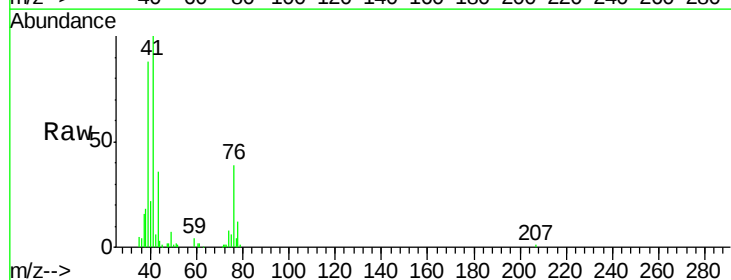
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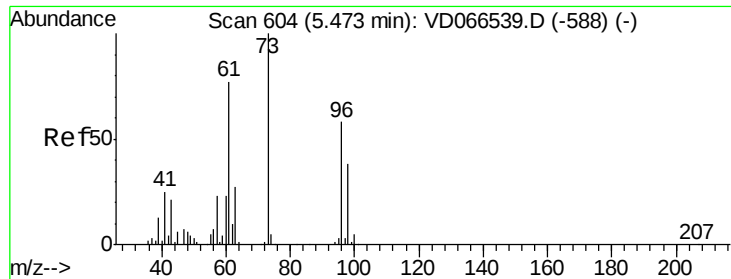
MMDadoda
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#18
Methyl Acetate
Concen: 19.044 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.01 min
Lab File: VD066576.D
Acq: 09 Sep 2020 12:02

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.8	18.0	27.0





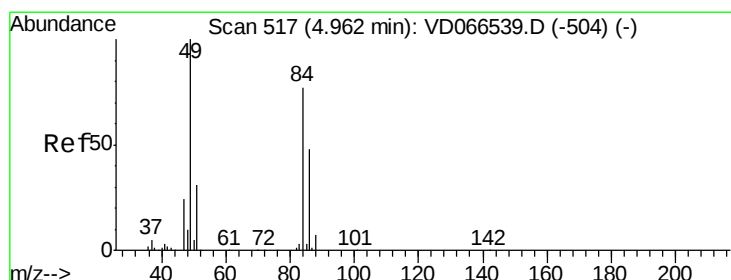
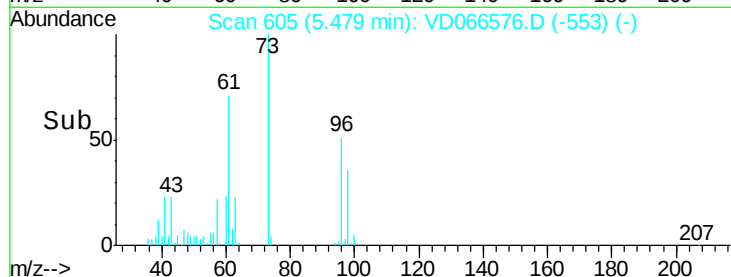
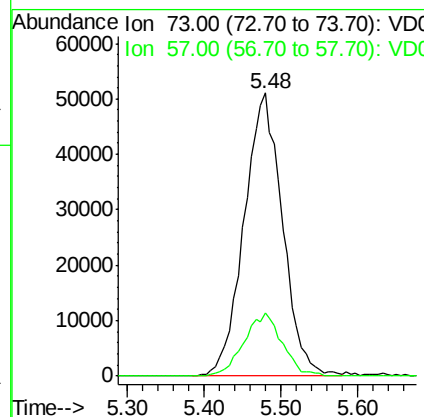
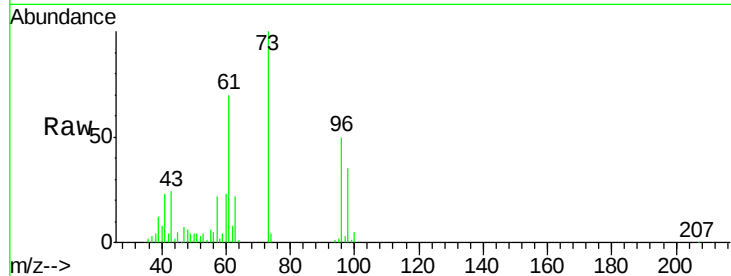
#19
Methyl tert-butyl Ether
Concen: 19.270 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.01 min
Lab File: VD066576.D
Acq: 09 Sep 2020 12:02

Instrument :
MSVOA_D
ClientSampleId :
VD0909SBS01

Tot Ion: 73 Resp: 177997
Ion Ratio Lower Upper
73 100
57 22.4 18.3 27.5

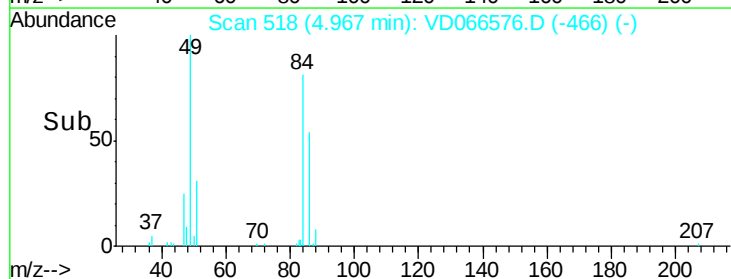
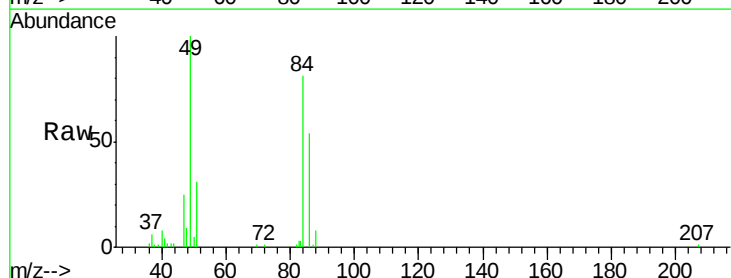
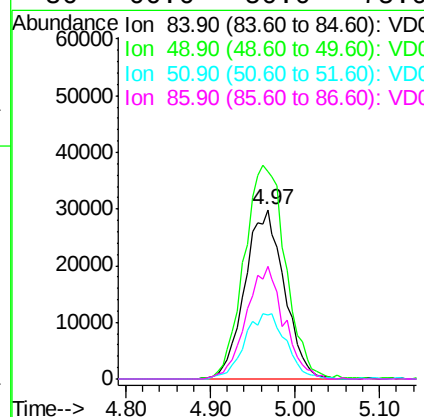
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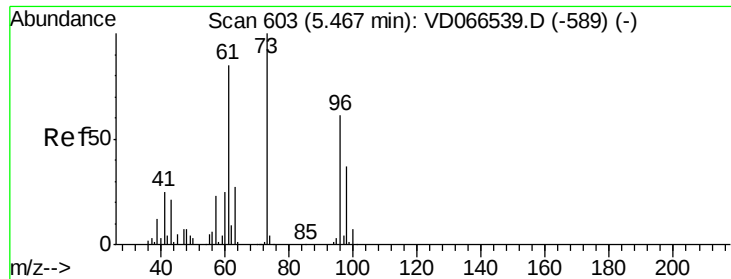
MMDadoda
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#20
Methylene Chloride
Concen: 15.832 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD066576.D
Acq: 09 Sep 2020 12:02

Tgt Ion: 84 Resp: 96550
Ion Ratio Lower Upper
84 100
49 122.7 104.3 156.5
51 37.6 32.2 48.4
86 66.6 50.0 75.0





#21

trans-1,2-Dichloroethene

Concen: 19.015 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD066576.D

Acq: 09 Sep 2020 12:02

Instrument :

MSVOA_D

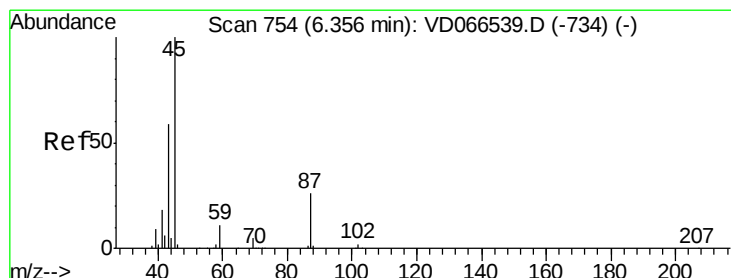
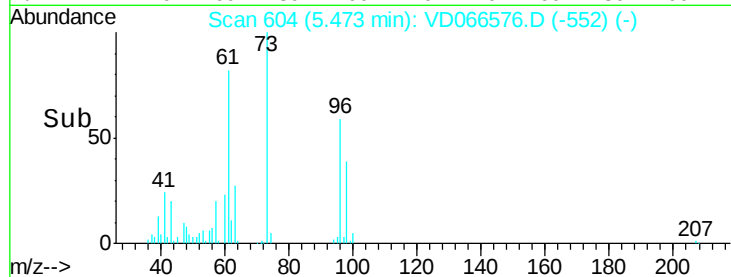
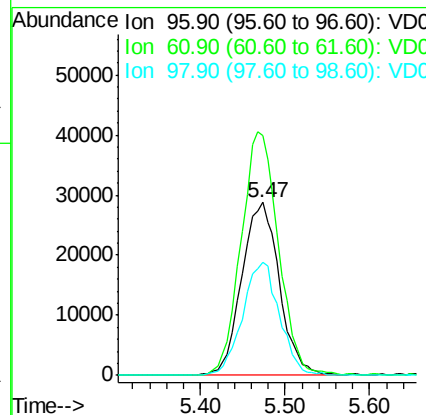
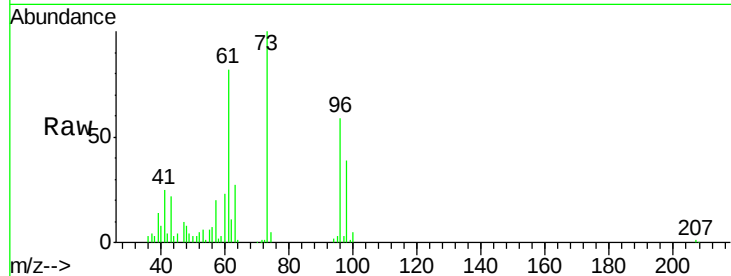
ClientSampleId :

VD0909SBS01

Tot Ion:	96	Resp:	88947
Ion	Ratio	Lower	Upper
96	100		
61	138.5	112.1	168.1
98	65.5	48.6	72.8

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#22

Diisopropyl ether

Concen: 19.090 ug/l

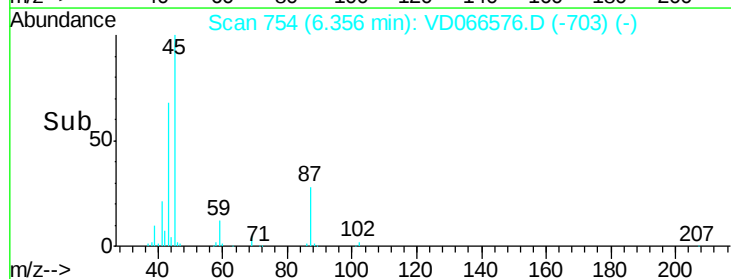
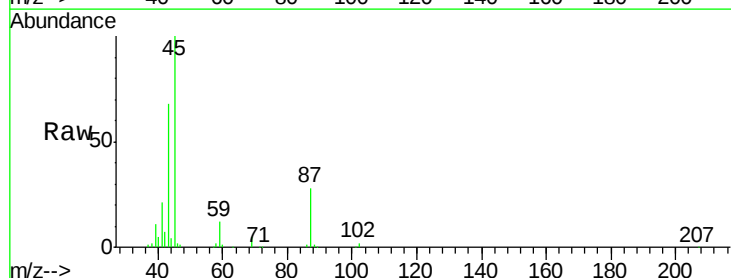
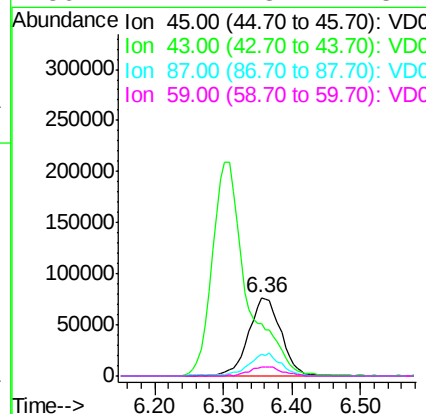
RT: 6.36 min Scan# 754

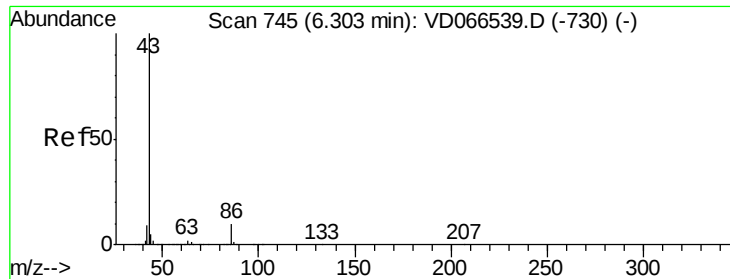
Delta R.T. -0.00 min

Lab File: VD066576.D

Acq: 09 Sep 2020 12:02

Tgt Ion:	45	Resp:	253428
Ion	Ratio	Lower	Upper
45	100		
43	66.5	47.0	70.4
87	27.8	21.3	31.9
59	11.7	8.7	13.1





#23

Vinyl Acetate

Concen: 96.568 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.00 min

Lab File: VD066576.D

Acq: 09 Sep 2020 12:02

Instrument :

MSVOA_D

ClientSampleId :

VD0909SBS01

Tot Ion: 43 Resp: 729543

Ion Ratio Lower Upper

43 100

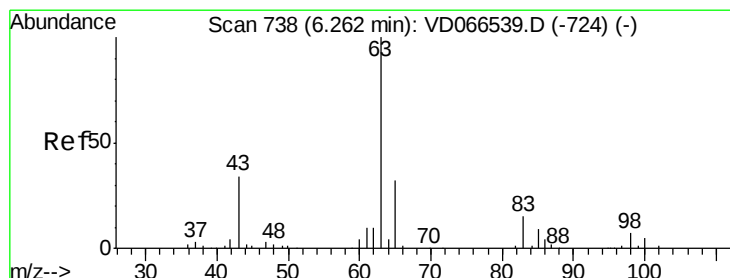
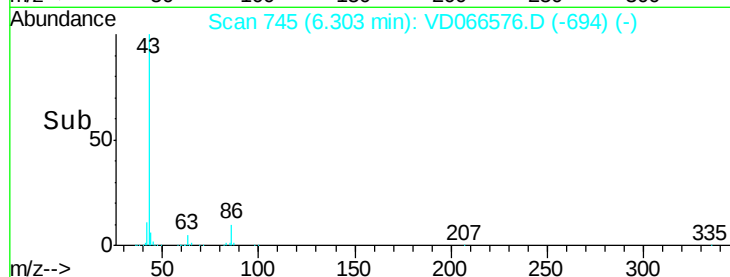
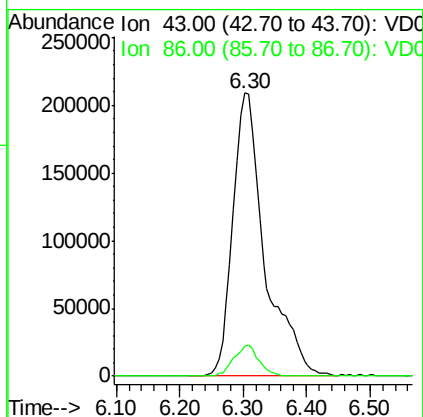
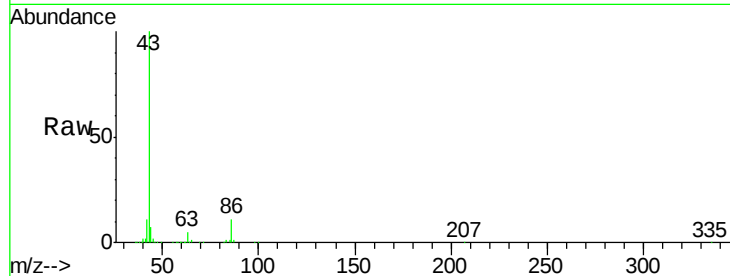
86 10.6 7.7 11.5

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 18.875 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD066576.D

Acq: 09 Sep 2020 12:02

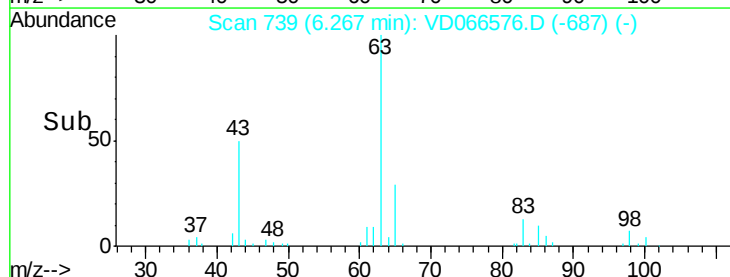
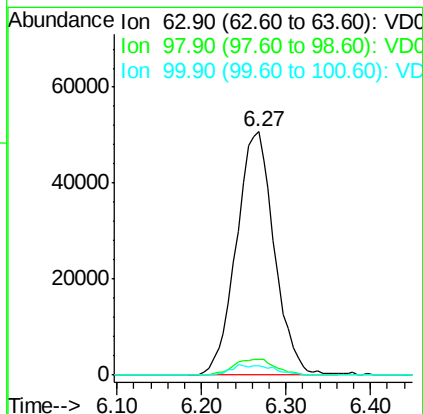
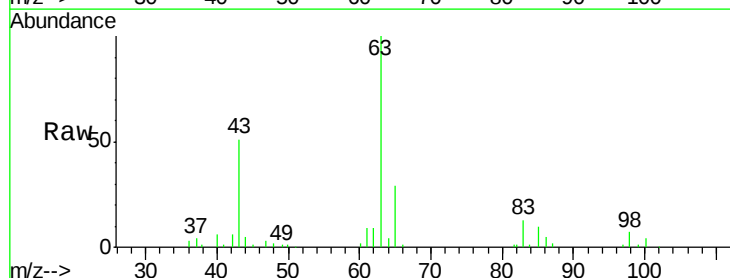
Tgt Ion: 63 Resp: 157573

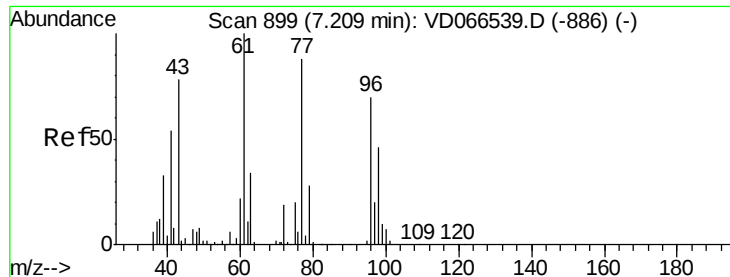
Ion Ratio Lower Upper

63 100

98 6.6 3.4 10.1

100 4.1 2.5 7.4





#25

2-Butanone

Concen: 95.335 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD066576.D

Acq: 09 Sep 2020 12:02

Instrument :

MSVOA_D

ClientSampleId :

VD0909SBS01

Tot Ion: 43 Resp: 111388

Ion Ratio Lower Upper

43 100

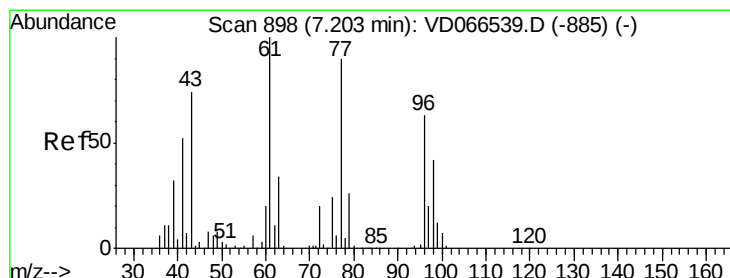
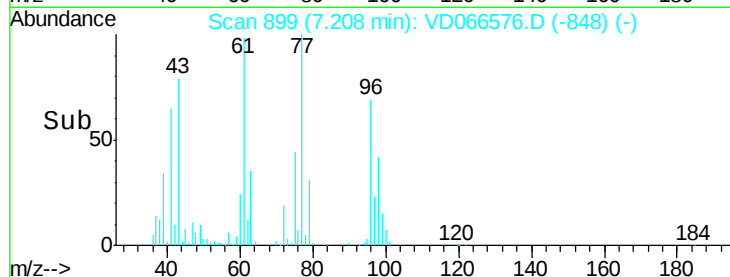
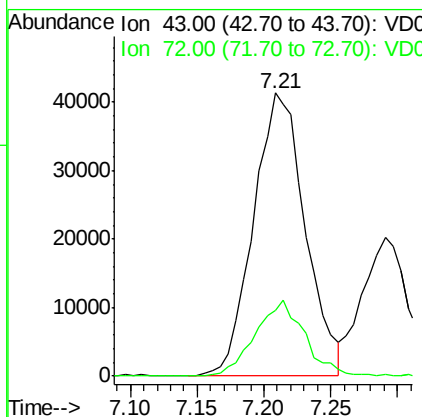
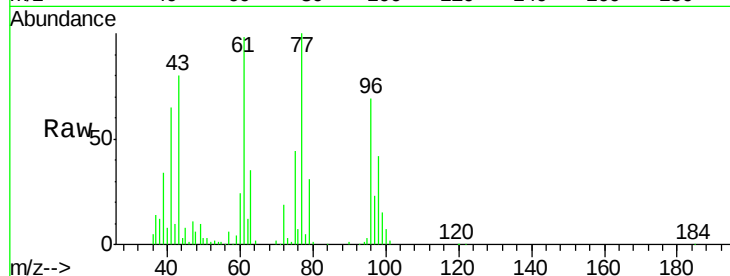
72 23.3 19.8 29.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 20.037 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.00 min

Lab File: VD066576.D

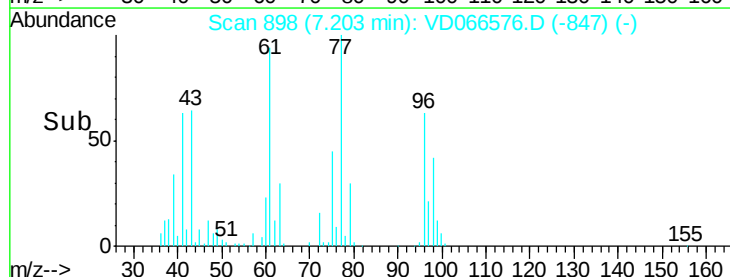
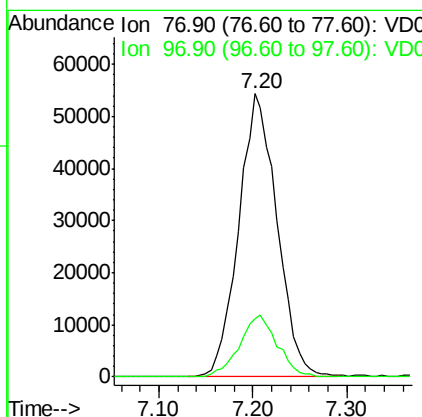
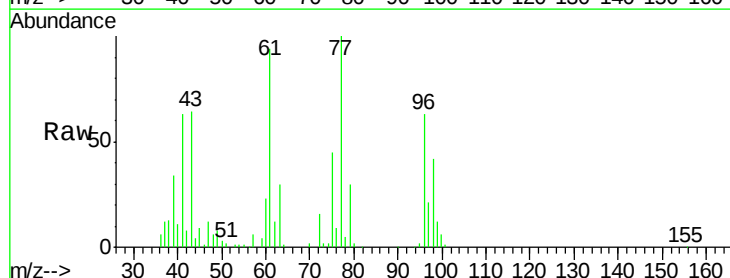
Acq: 09 Sep 2020 12:02

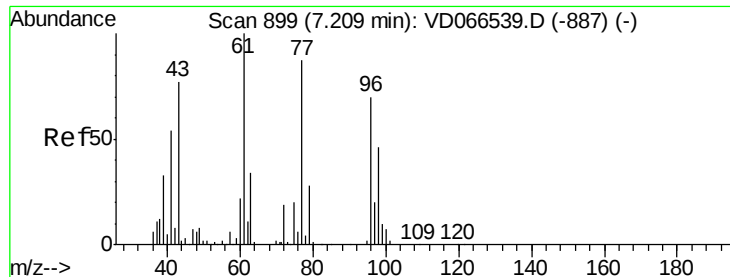
Tgt Ion: 77 Resp: 153442

Ion Ratio Lower Upper

77 100

97 21.4 10.8 32.3





#27

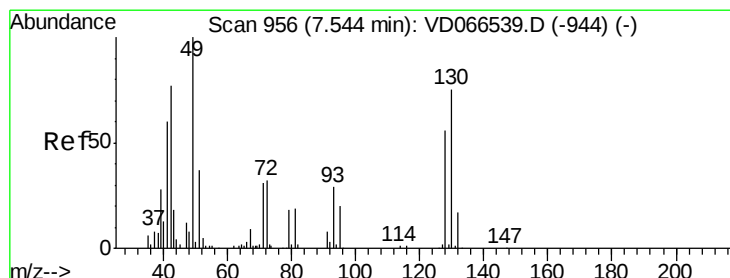
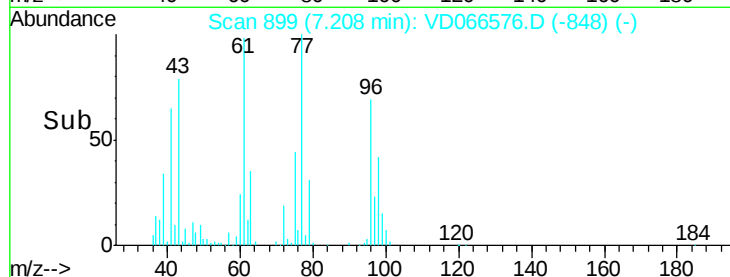
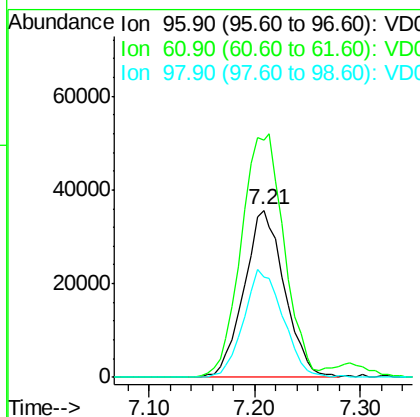
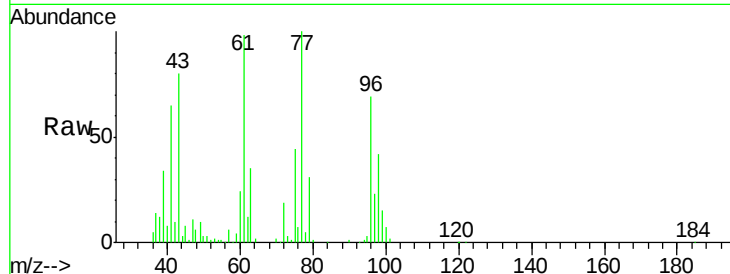
cis-1,2-Dichloroethene
Concen: 18.826 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.00 min
Lab File: VD066576.D
Acq: 09 Sep 2020 12:02

Instrument :
MSVOA_D
ClientSampleId :
VD0909SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	154.6	0.0	301.0	
98	62.8	0.0	129.8	

Manual Integrations
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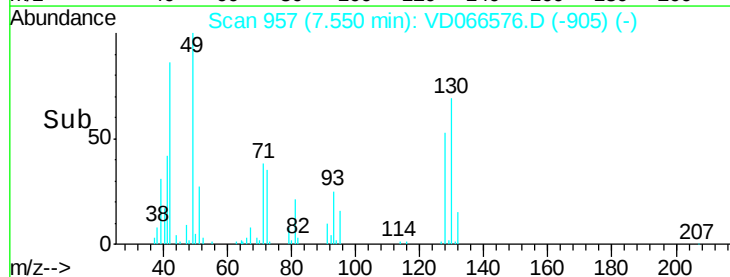
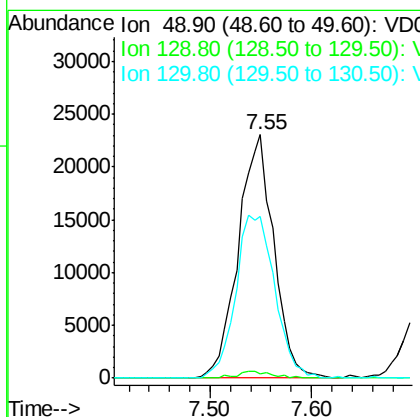
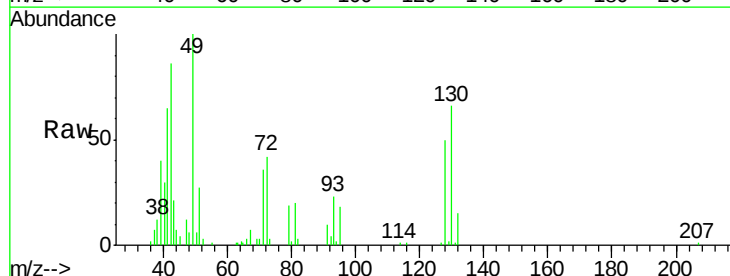
MMDadoda
9/10/2020 10:46:47 AM

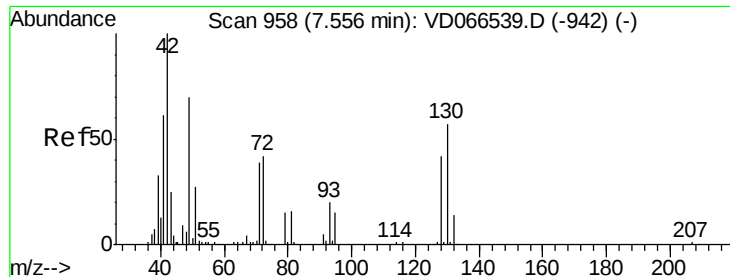


#28

Bromochloromethane
Concen: 17.489 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.01 min
Lab File: VD066576.D
Acq: 09 Sep 2020 12:02

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.6	0.0	2.6	
130	73.3	58.2	87.2	





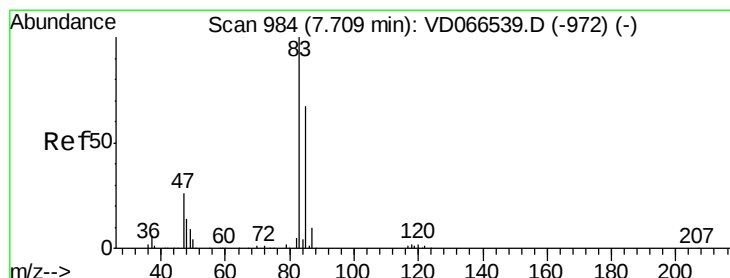
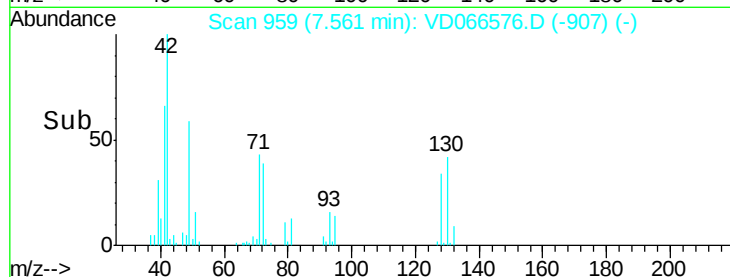
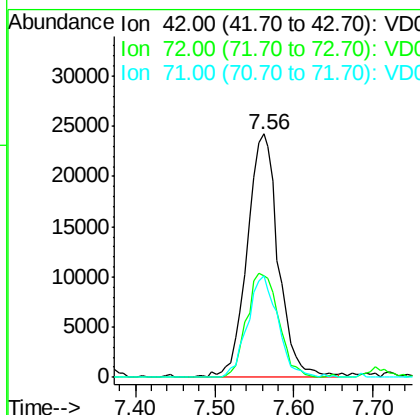
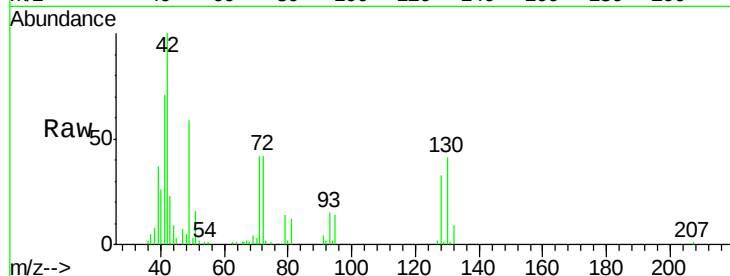
#29
Tetrahydrofuran
Concen: 91.460 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.01 min
Lab File: VD066576.D
Acq: 09 Sep 2020 12:02

Instrument :
MSVOA_D
ClientSampleId :
VD0909SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.7	33.4	50.0
71	40.3	31.9	47.9

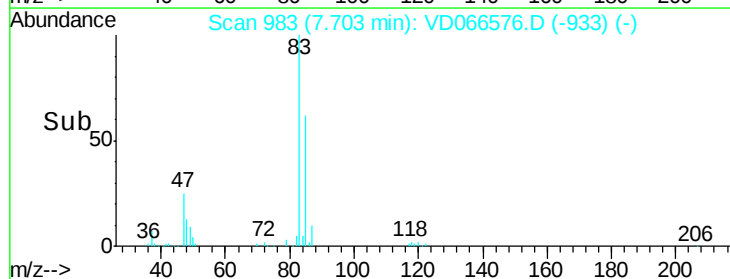
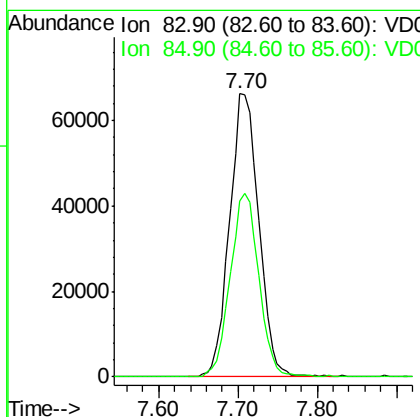
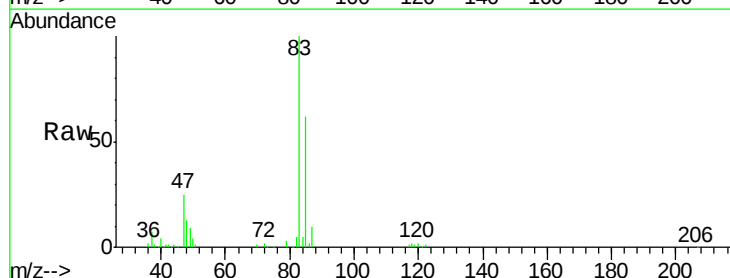
Manual Integrations
APPROVED

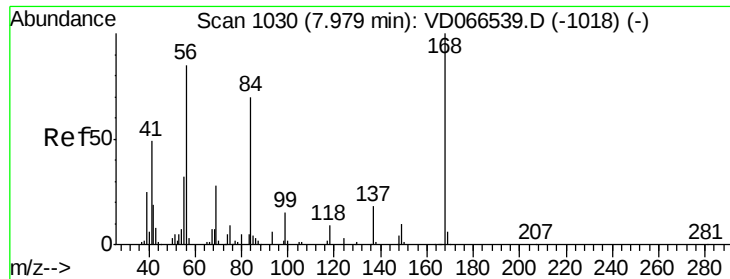
MMDadoda
9/10/2020 10:46:47 AM



#30
Chloroform
Concen: 19.110 ug/l
RT: 7.70 min Scan# 983
Delta R.T. -0.01 min
Lab File: VD066576.D
Acq: 09 Sep 2020 12:02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.1	53.6	80.4





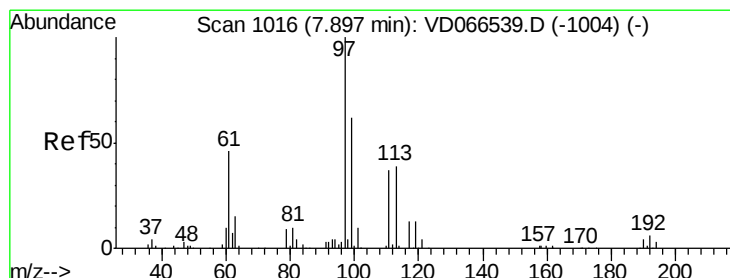
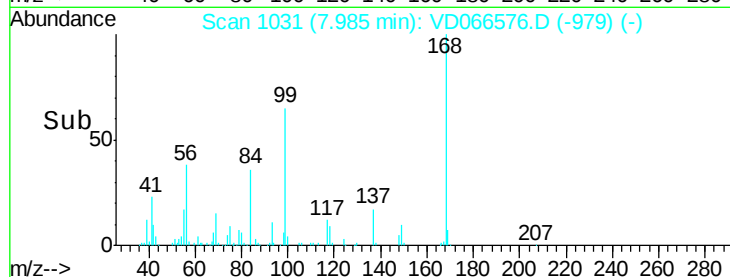
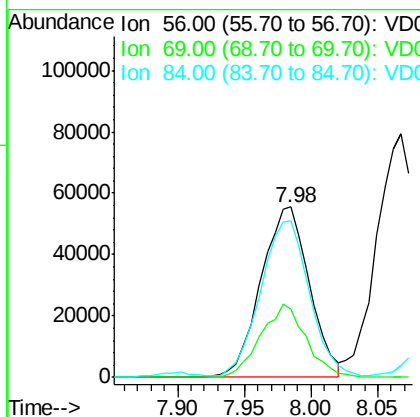
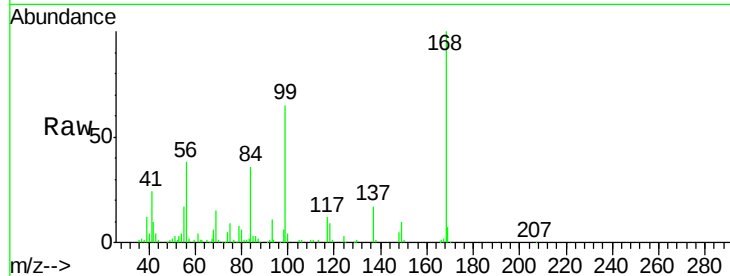
#31
Cyclohexane
Concen: 18.075 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.01 min
Lab File: VD066576.D
Acq: 09 Sep 2020 12:02

Instrument :
MSVOA_D
ClientSampleId :
VD0909SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	39.6	26.3	39.5#
84	90.3	66.1	99.1

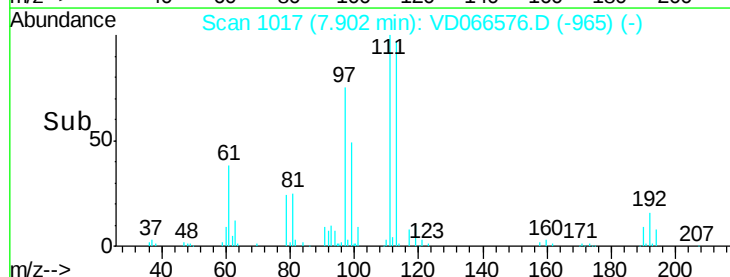
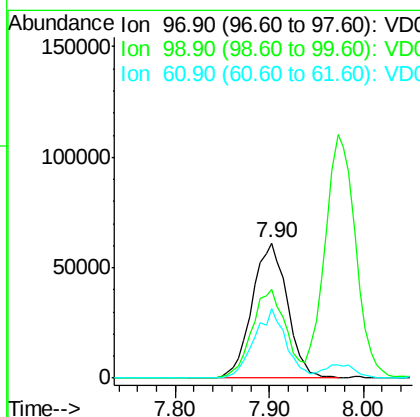
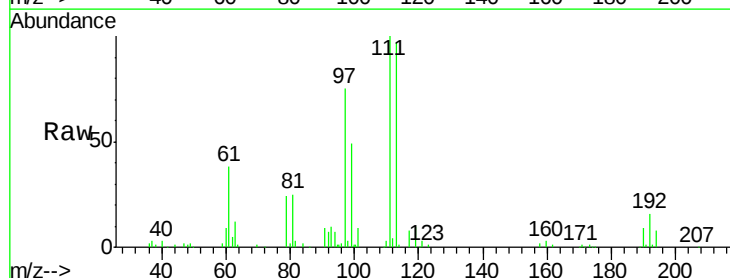
Manual Integrations
APPROVED

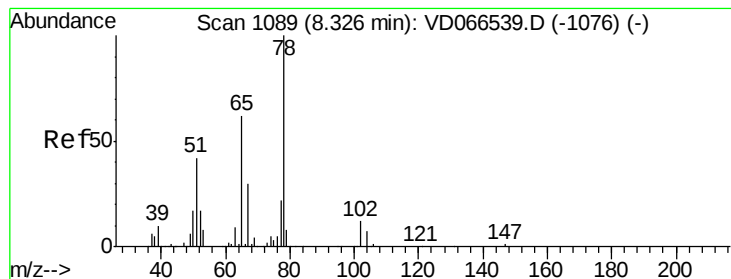
MMDadoda
9/10/2020 10:46:47 AM



#32
1,1,1-Trichloroethane
Concen: 19.050 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. 0.01 min
Lab File: VD066576.D
Acq: 09 Sep 2020 12:02

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.4	77.0
61	46.3	37.4	56.0





#33

1,2-Dichloroethane-d4

Concen: 50.080 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.01 min

Lab File: VD066576.D

Acq: 09 Sep 2020 12:02

Instrument :

MSVOA_D

ClientSampleId :

VD0909SBS01

Tot Ion: 65 Resp: 236895

Ion Ratio Lower Upper

65 100

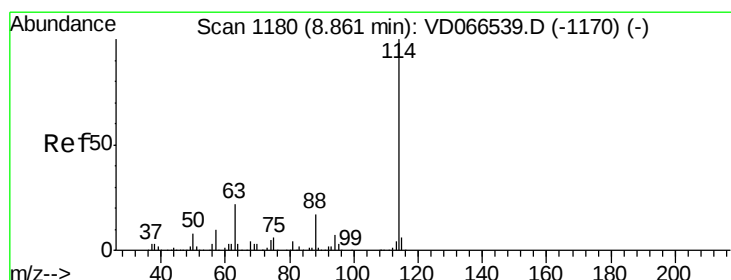
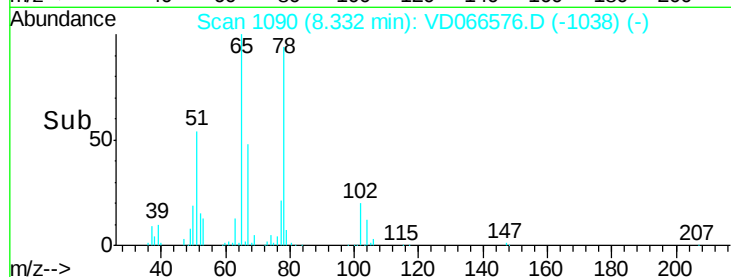
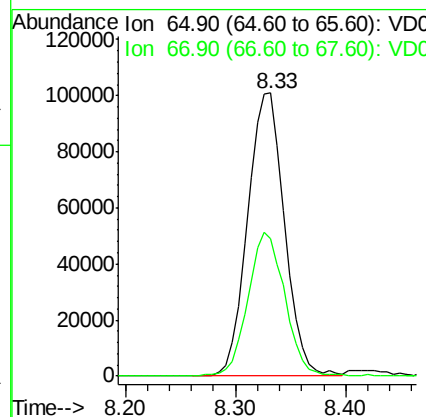
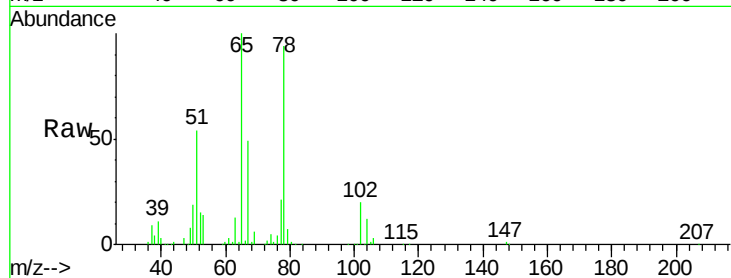
67 50.9 0.0 102.8

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VD066576.D

Acq: 09 Sep 2020 12:02

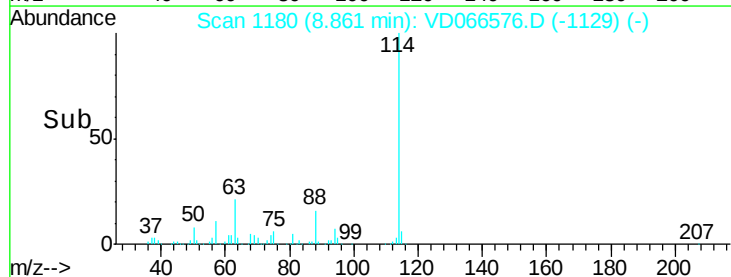
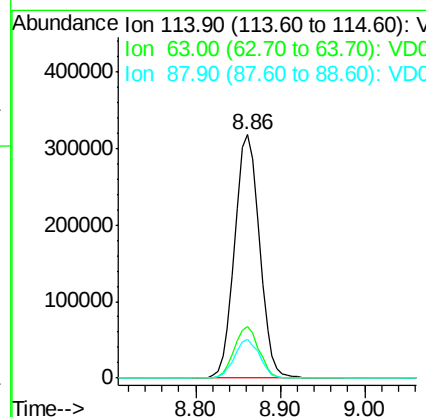
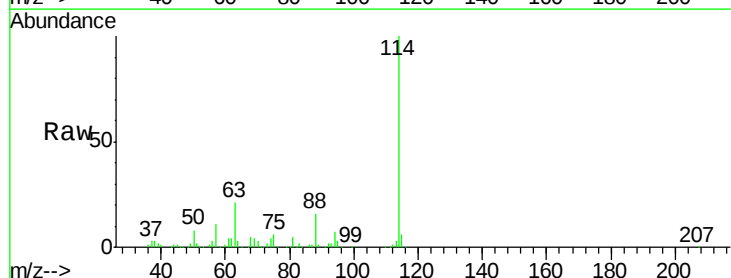
Tgt Ion: 114 Resp: 642785

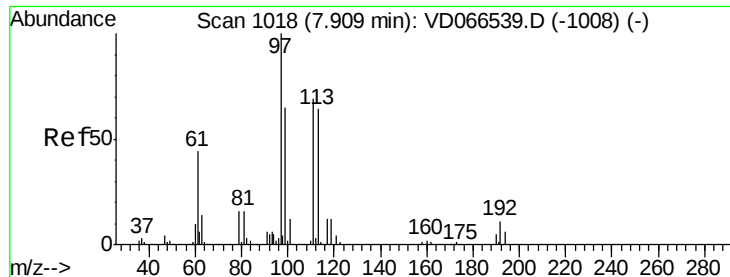
Ion Ratio Lower Upper

114 100

63 21.0 0.0 43.2

88 15.8 0.0 33.2





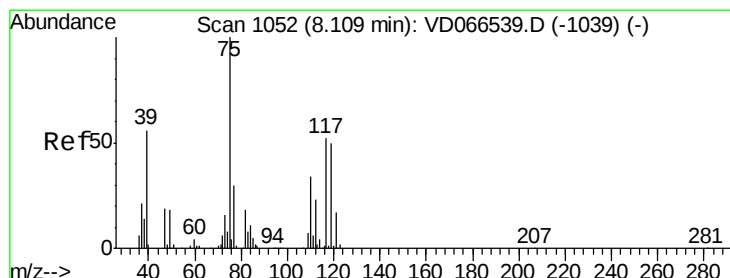
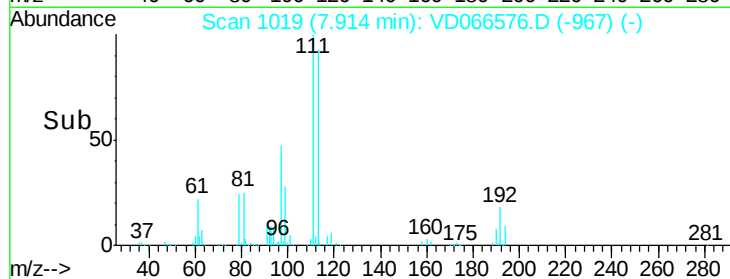
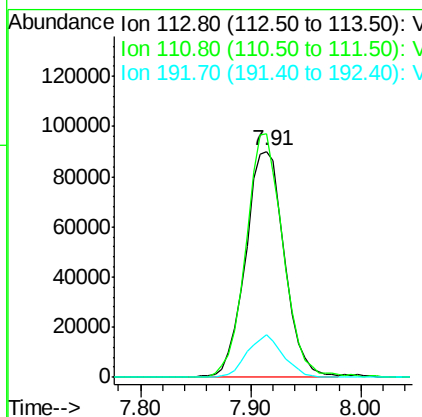
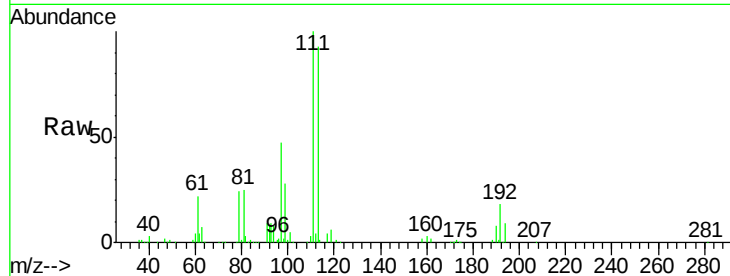
#35
 Dibromofluoromethane
 Concen: 51.305 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.01 min
 Lab File: VD066576.D
 Acq: 09 Sep 2020 12:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0909SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	222475		
111	103.7	83.2	124.8	
192	17.5	13.7	20.5	

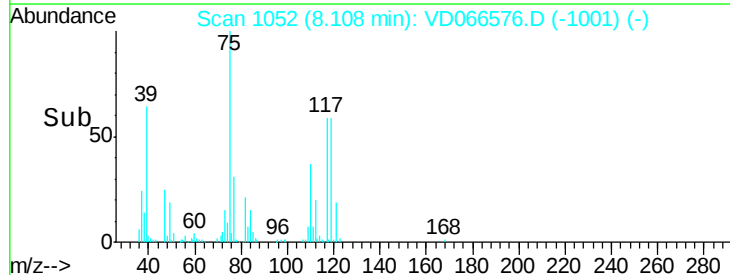
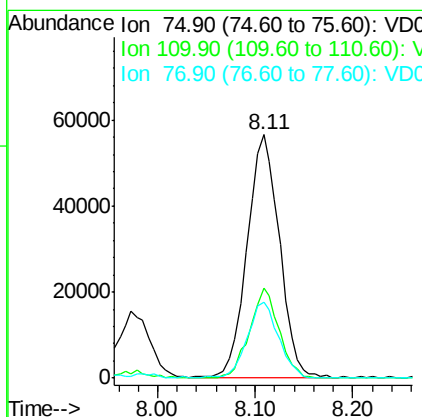
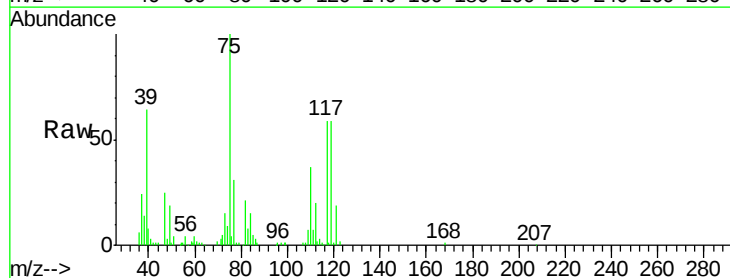
Manual Integrations
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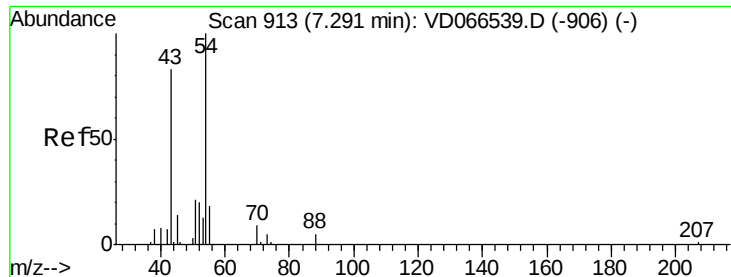
MMDadoda
 9/10/2020 10:46:47 AM



#36
 1,1-Dichloropropene
 Concen: 19.602 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.00 min
 Lab File: VD066576.D
 Acq: 09 Sep 2020 12:02

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	131123		
110	33.8	17.3	52.0	
77	30.5	25.1	37.7	





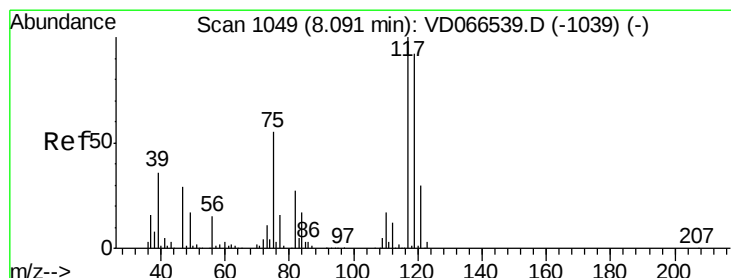
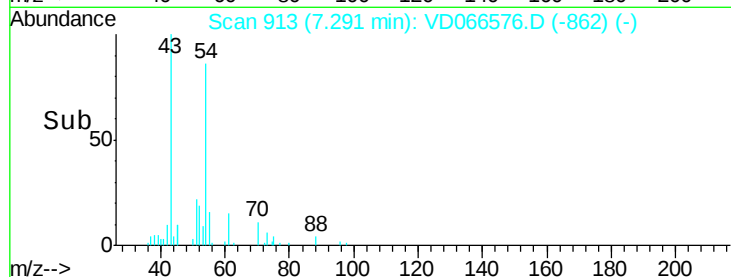
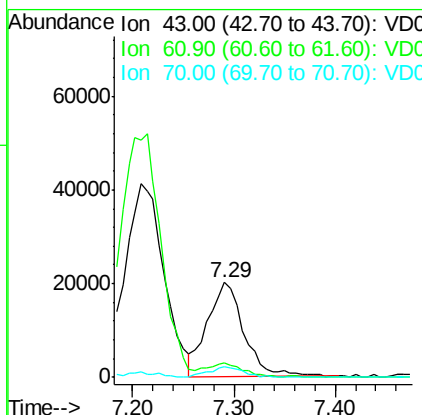
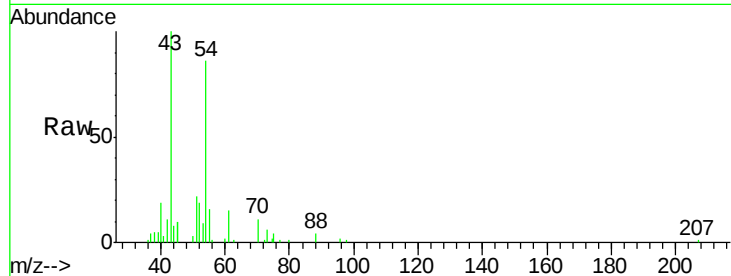
#37
Ethyl Acetate
Concen: 18.977 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.00 min
Lab File: VD066576.D
Acq: 09 Sep 2020 12:02

Instrument :
MSVOA_D
ClientSampleId :
VD0909SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.4	11.8	17.8
70	10.3	7.9	11.9

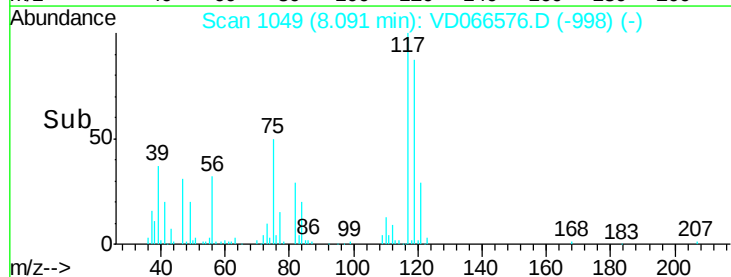
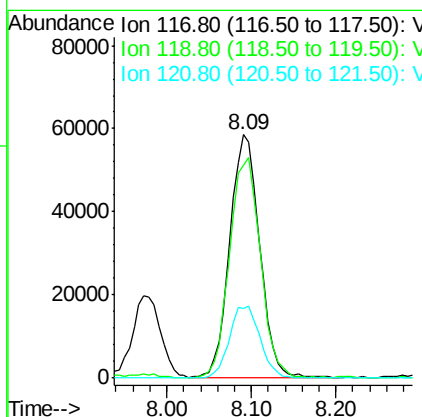
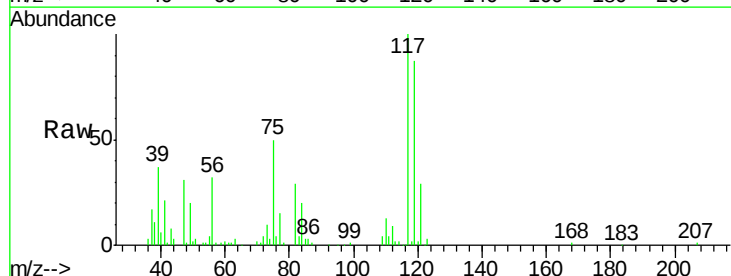
Manual Integrations
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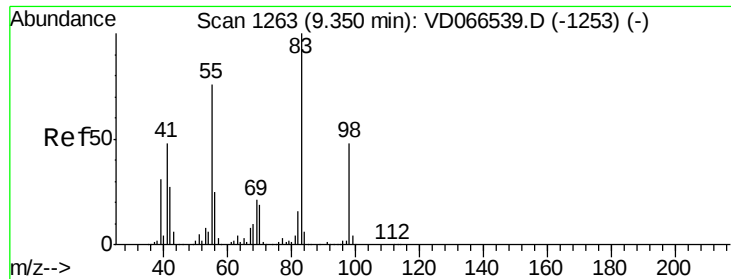
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#38
Carbon Tetrachloride
Concen: 20.288 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.00 min
Lab File: VD066576.D
Acq: 09 Sep 2020 12:02

Tgt Ion	Ratio	Lower	Upper
117	100		
119	87.2	73.9	110.9
121	28.7	24.1	36.1





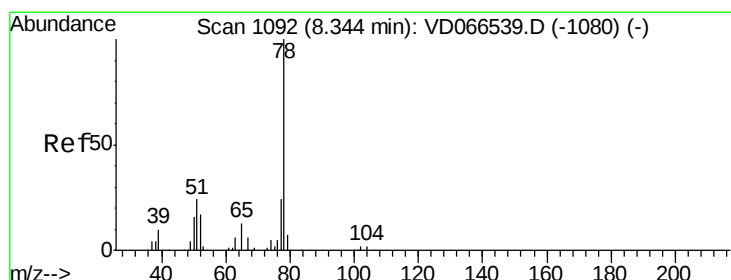
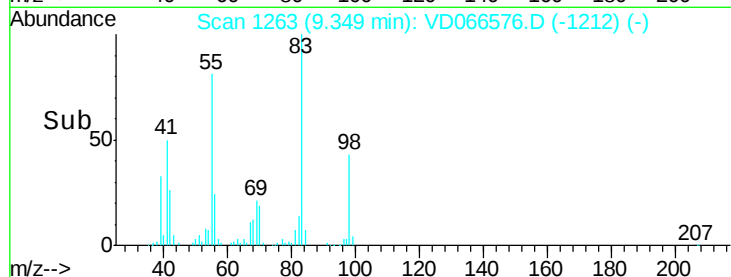
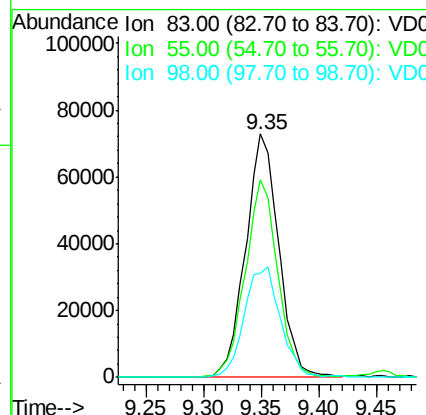
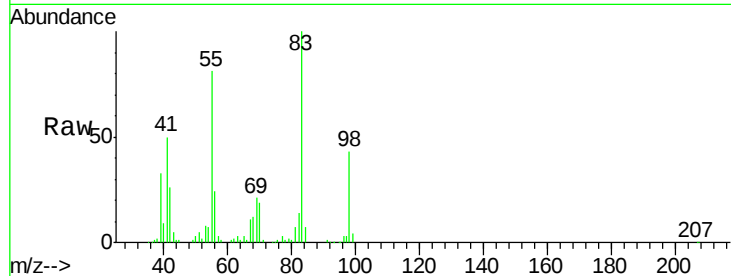
#39
Methvlcvclohexane
Concen: 19.544 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VD066576.D
Acq: 09 Sep 2020 12:02

Instrument :
MSVOA_D
ClientSampleId :
VD0909SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	145992		
55	81.0		60.8	91.2
98	42.7		38.6	58.0

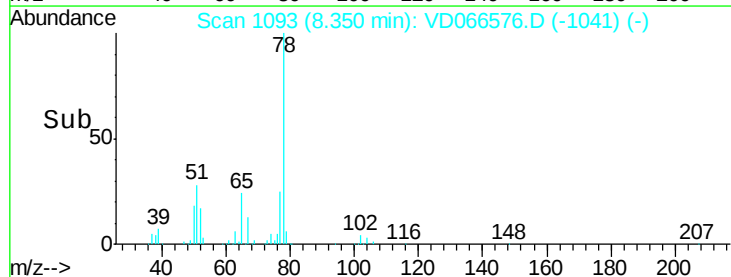
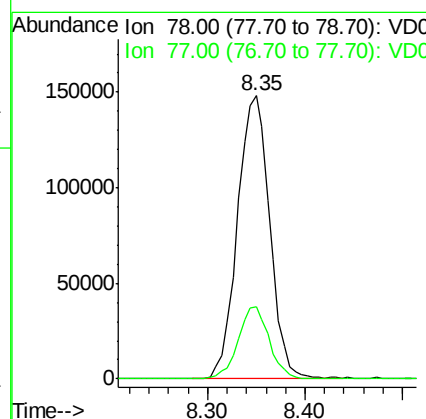
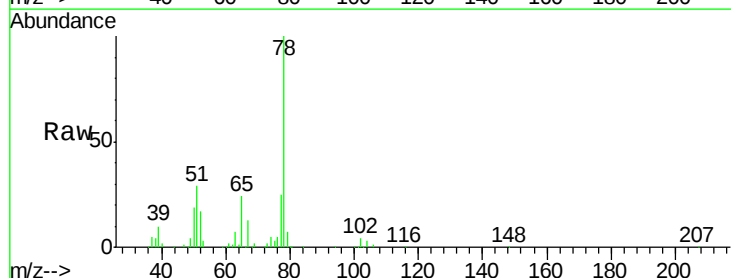
Manual Integrations
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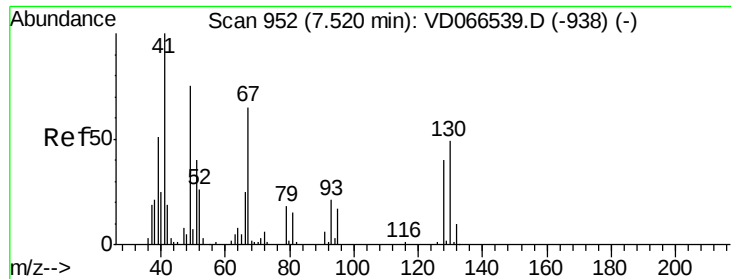
MMDadoda
9/10/2020 10:46:47 AM



#40
Benzene
Concen: 18.636 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.01 min
Lab File: VD066576.D
Acq: 09 Sep 2020 12:02

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	341435		
77	25.4		19.1	28.7





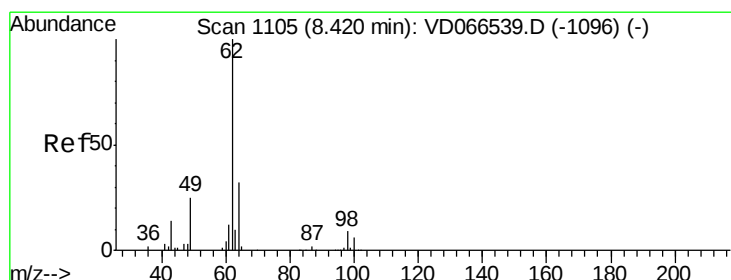
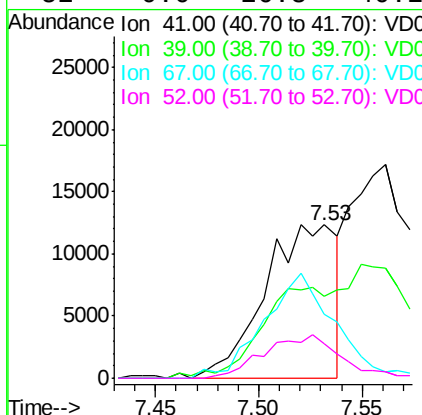
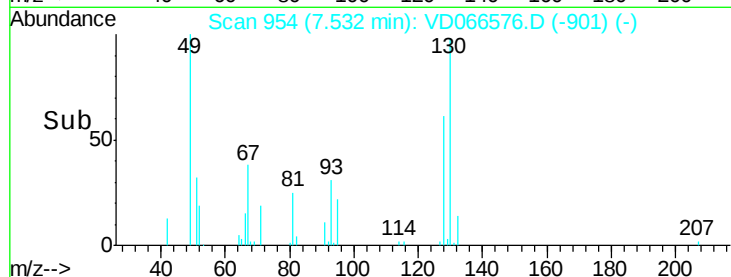
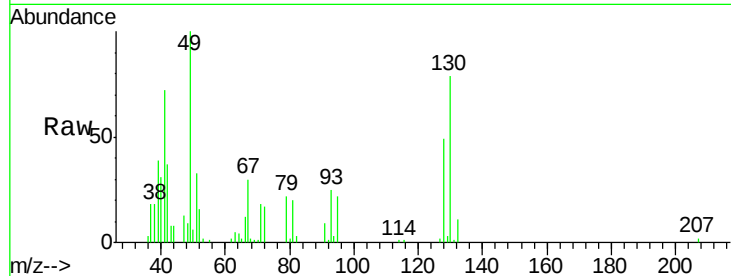
#41
Methacrylonitrile
Concen: 23.455 ug/l m
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD066576.D
Acq: 09 Sep 2020 12:02

Instrument :
MSVOA_D
ClientSampleId :
VD0909SBS01

Tot Ion	41	Resp	30243
Ion	Ratio	Lower	Upper
41	100		
39	71.0	53.6	80.4
67	0.0	59.2	88.8#
52	0.0	26.8	40.2#

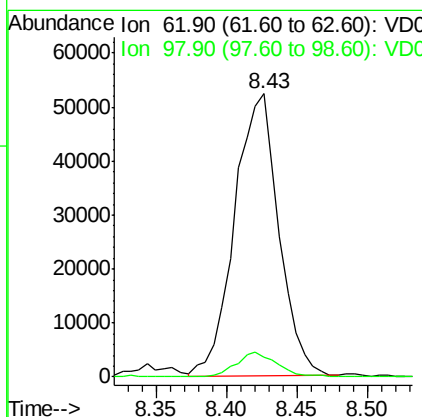
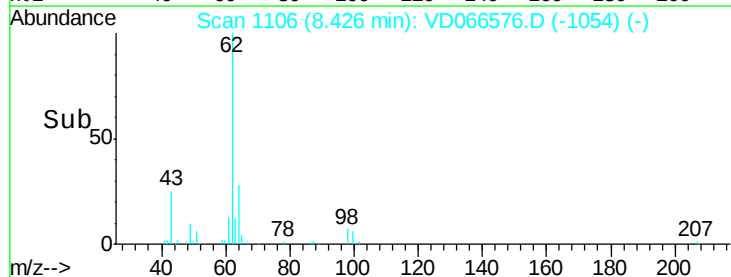
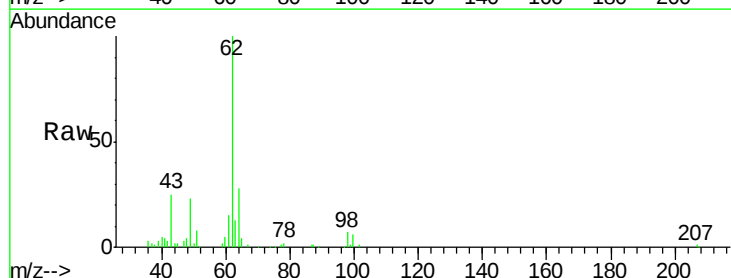
Manual Integrations
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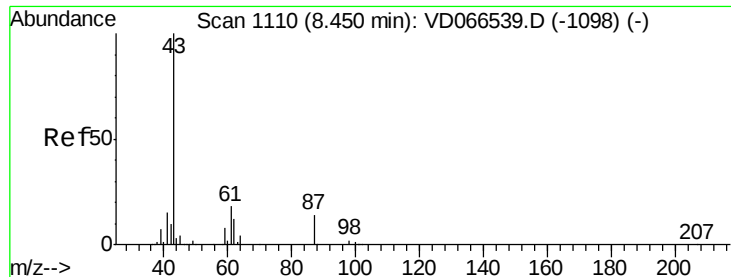
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#42
1,2-Dichloroethane
Concen: 19.200 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.01 min
Lab File: VD066576.D
Acq: 09 Sep 2020 12:02

Tgt Ion	62	Resp	113971
Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	17.6





#43

Isopropyl Acetate

Concen: 19.060 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VD066576.D

Acq: 09 Sep 2020 12:02

Instrument :

MSVOA_D

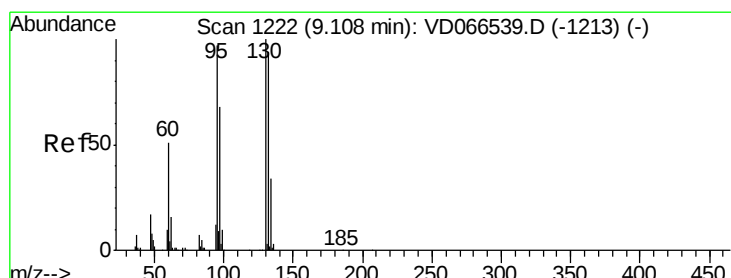
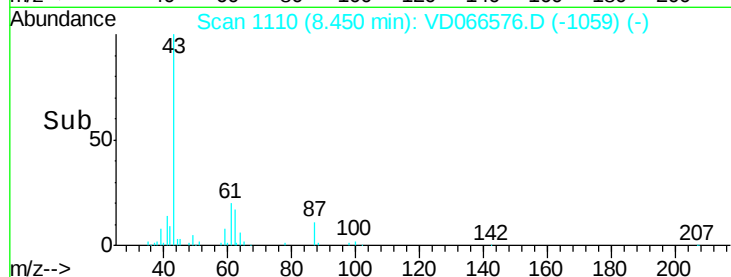
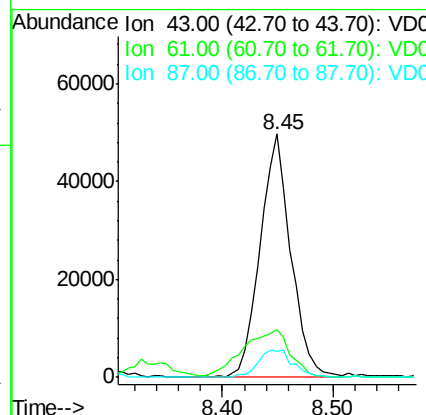
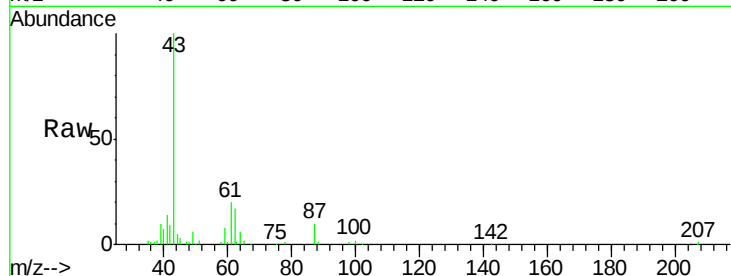
ClientSampleId :

VD0909SBS01

Tot Ion:	43	Resp:	97295
Ion	Ratio	Lower	Upper
43	100		
61	30.3	23.8	35.8
87	12.8	10.7	16.1

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#44

Trichloroethene

Concen: 20.001 ug/l

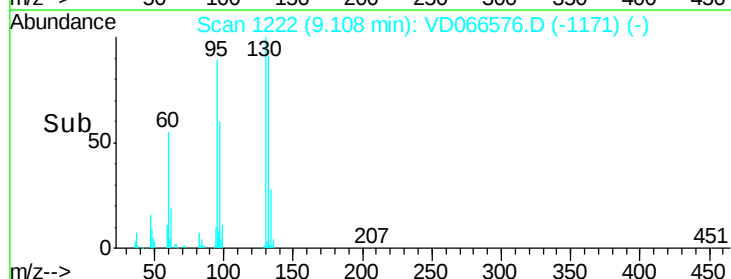
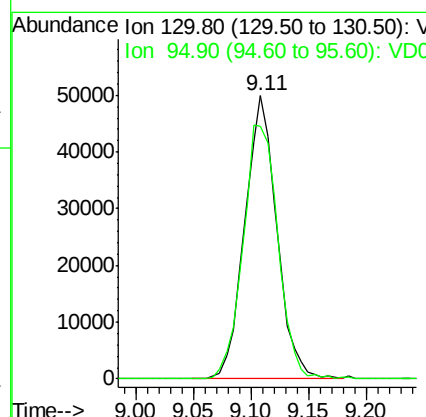
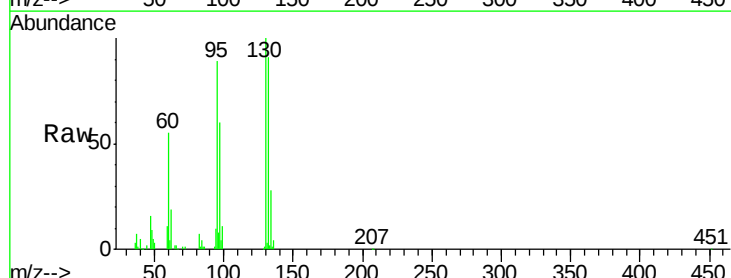
RT: 9.11 min Scan# 1222

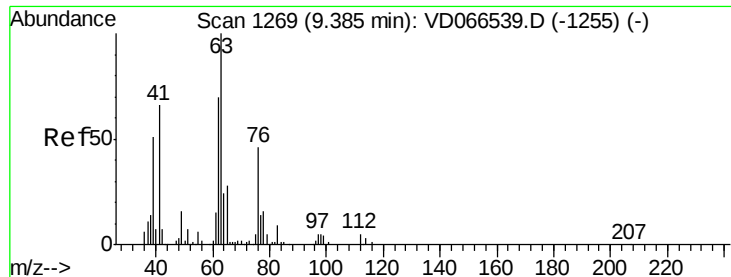
Delta R.T. -0.00 min

Lab File: VD066576.D

Acq: 09 Sep 2020 12:02

Tgt Ion:	130	Resp:	96119
Ion	Ratio	Lower	Upper
130	100		
95	89.3	0.0	194.4





#45

1,2-Dichloropropane

Concen: 18.465 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VD066576.D

Acq: 09 Sep 2020 12:02

Instrument :

MSVOA_D

ClientSampleId :

VD0909SBS01

Tot Ion: 63 Resp: 85073

Ion Ratio Lower Upper

63 100

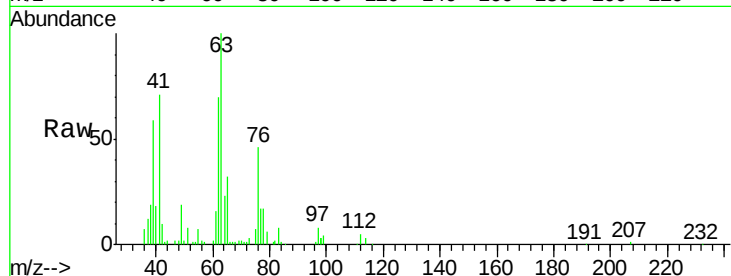
65 31.6 22.6 34.0

Manual Integrations

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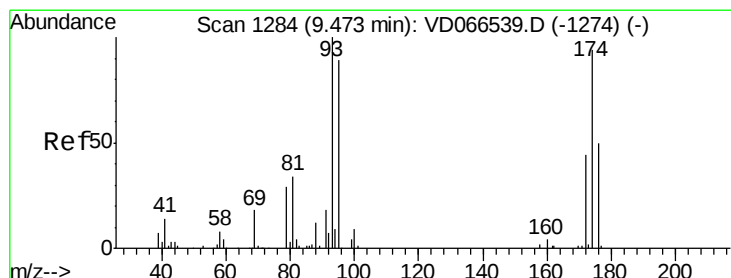
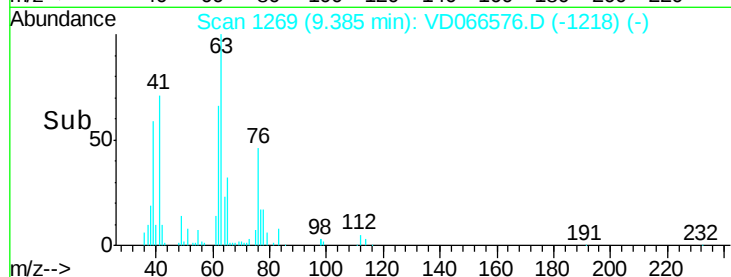
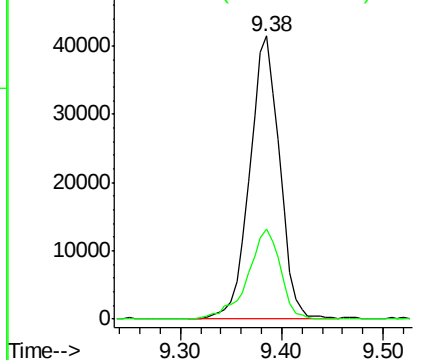
MMDadoda

9/10/2020 10:46:47 AM



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 19.443 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. -0.00 min

Lab File: VD066576.D

Acq: 09 Sep 2020 12:02

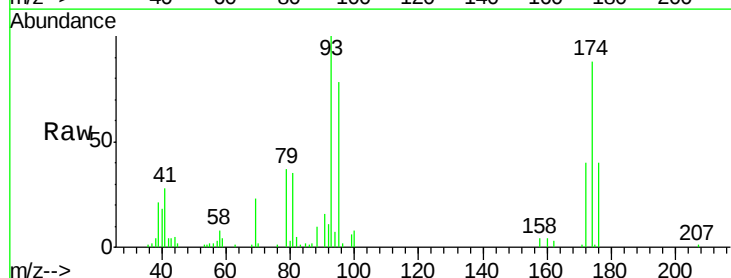
Tgt Ion: 93 Resp: 49423

Ion Ratio Lower Upper

93 100

95 80.5 68.7 103.1

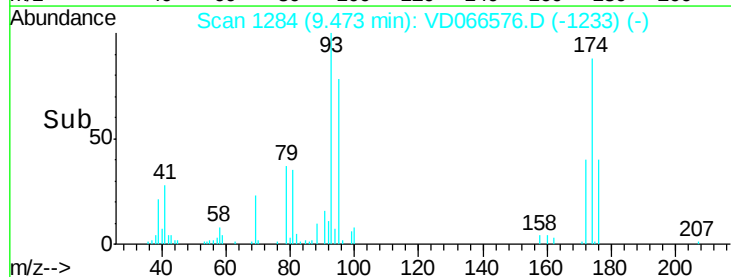
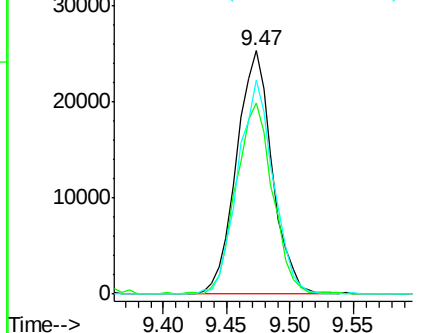
174 87.5 70.0 105.0

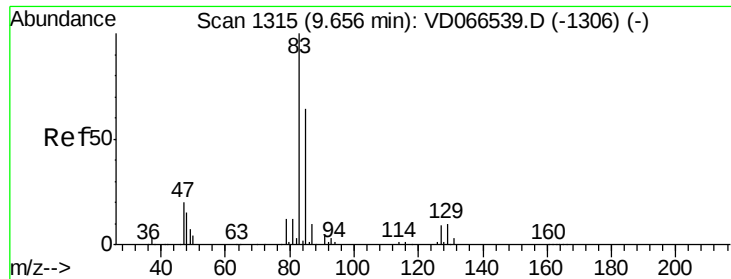


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





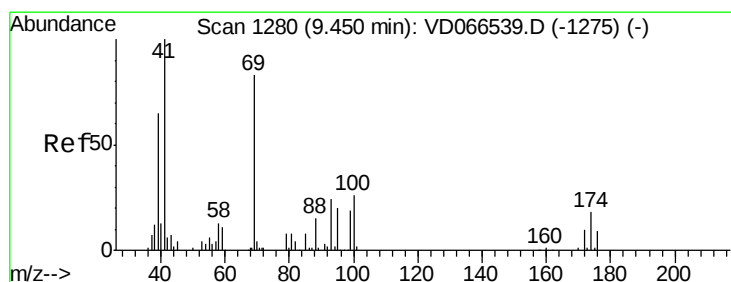
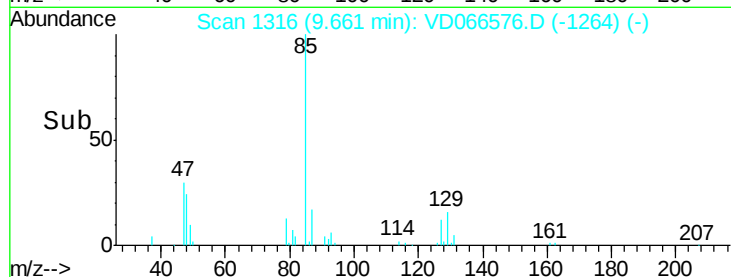
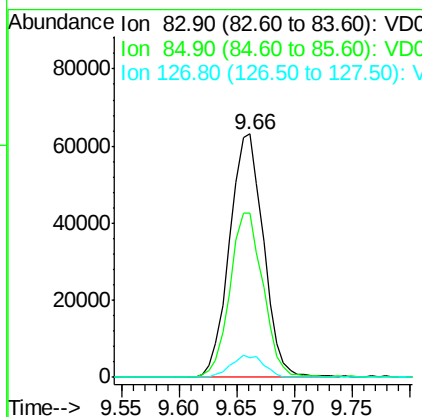
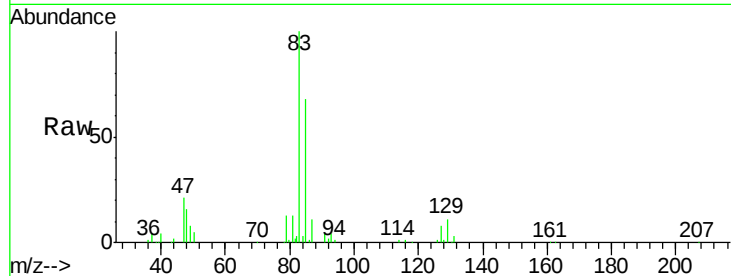
#47
Bromodichloromethane
Concen: 18.764 ug/l
RT: 9.66 min Scan# 1316
Delta R.T. 0.01 min
Lab File: VD066576.D
Acq: 09 Sep 2020 12:02

Instrument :
MSVOA_D
ClientSampleId :
VD0909SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	129043		
85	67.7		51.1	76.7
127	8.2		6.9	10.3

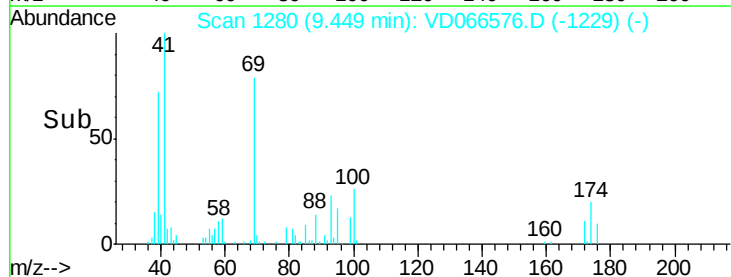
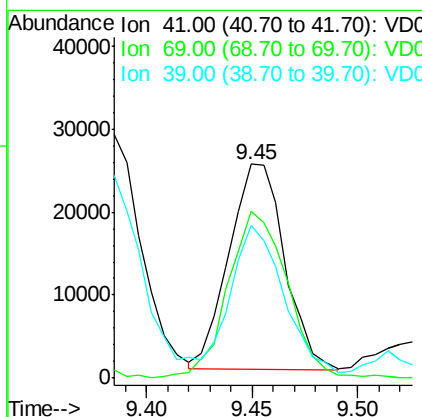
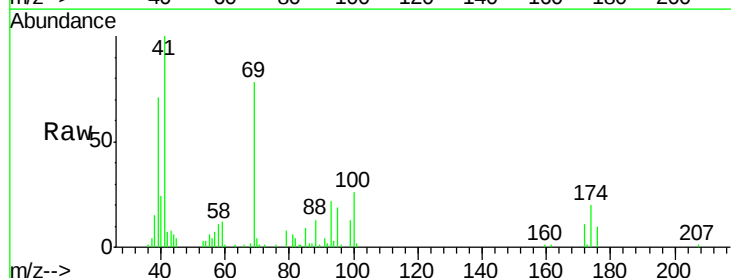
Manual Integrations
APPROVED

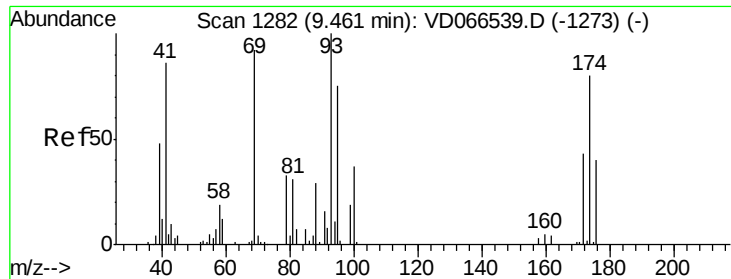
MMDadoda
9/10/2020 10:46:47 AM



#48
Methyl methacrylate
Concen: 17.446 ug/l
RT: 9.45 min Scan# 1280
Delta R.T. -0.00 min
Lab File: VD066576.D
Acq: 09 Sep 2020 12:02

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	45031		
69	87.1		64.5	96.7
39	67.5		46.6	69.8





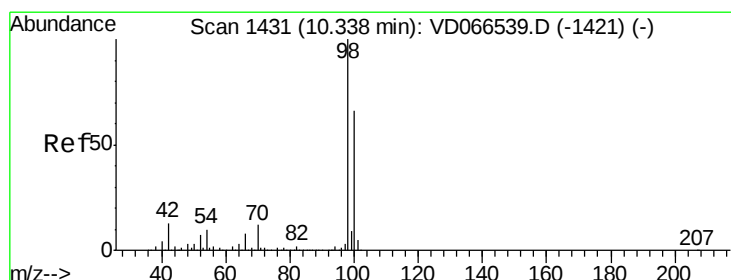
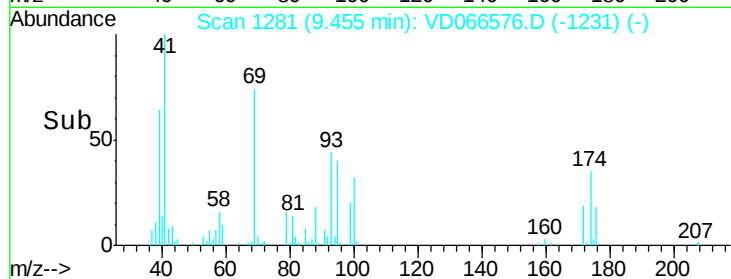
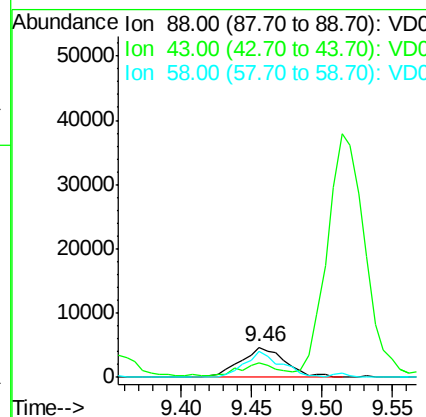
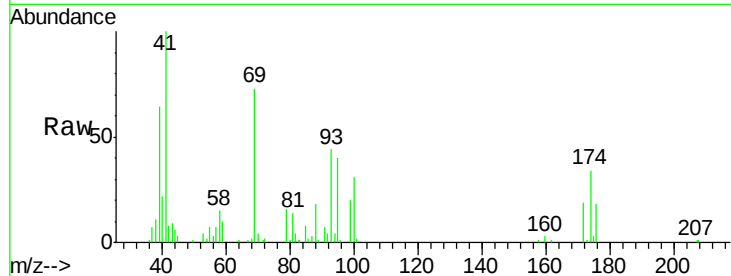
#49
1,4-Dioxane
Concen: 372.862 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VD066576.D
Acq: 09 Sep 2020 12:02

Instrument :
MSVOA_D
ClientSampleId :
VD0909SBS01

Tot Ion	88	Resp	10398
Ion	Ratio	Lower	Upper
88	100		
43	37.8	28.3	42.5
58	70.0	56.1	84.1

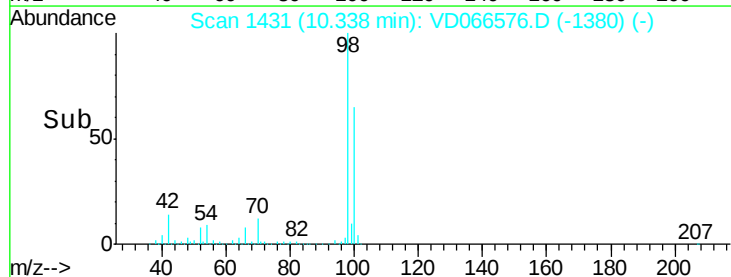
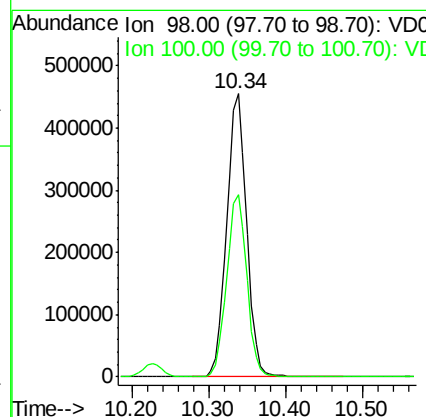
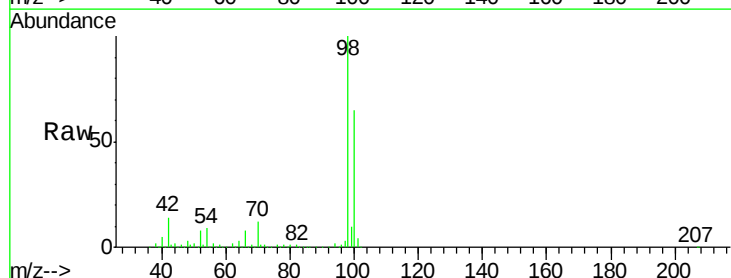
Manual Integrations
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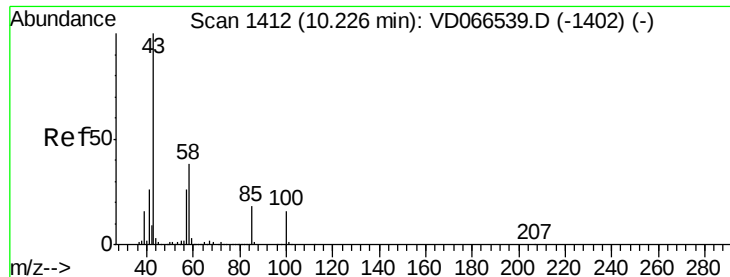
MMDadoda
9/10/2020 10:46:47 AM



#50
Toluene-d8
Concen: 52.858 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066576.D
Acq: 09 Sep 2020 12:02

Tgt Ion	98	Resp	819224
Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 96.928 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. -0.00 min

Lab File: VD066576.D

Acq: 09 Sep 2020 12:02

Instrument :

MSVOA_D

ClientSampleId :

VD0909SBS01

Tot Ion: 43 Resp: 249535

Ion Ratio Lower Upper

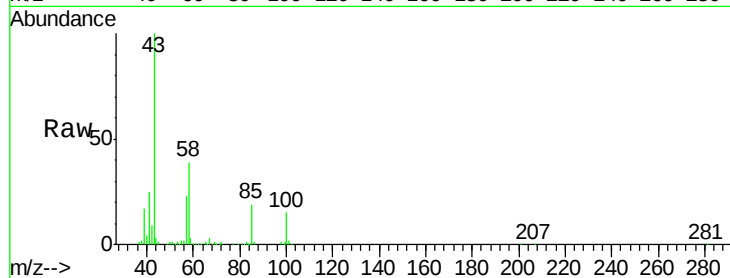
43 100

58 36.6 30.5 45.7

Manual Integrations
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MMDadoda

9/10/2020 10:46:47 AM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

10.23

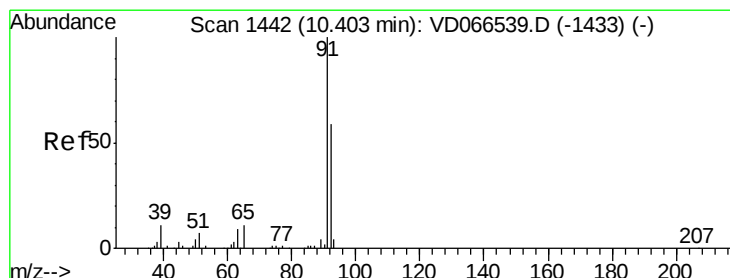
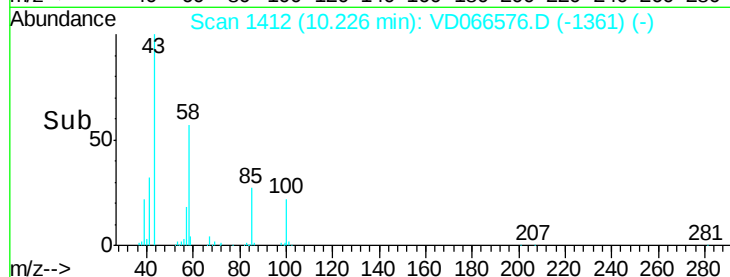
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 18.968 ug/l

RT: 10.40 min Scan# 1441

Delta R.T. -0.01 min

Lab File: VD066576.D

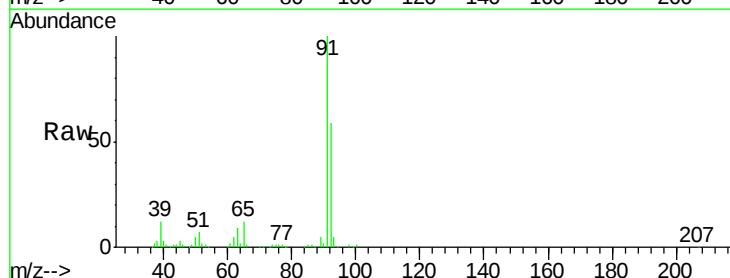
Acq: 09 Sep 2020 12:02

Tgt Ion: 92 Resp: 219977

Ion Ratio Lower Upper

92 100

91 173.4 137.4 206.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.40

200000

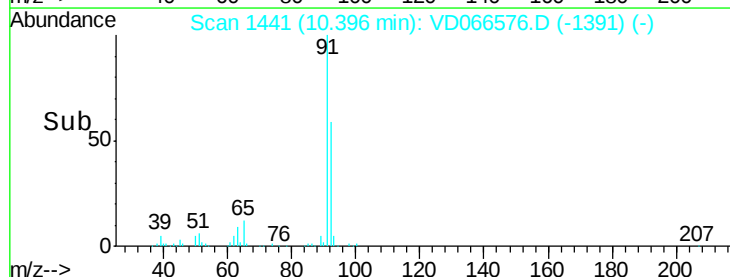
150000

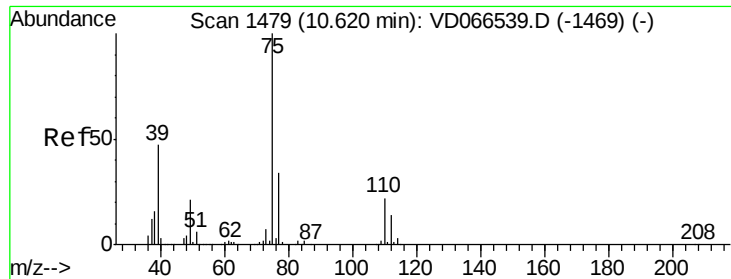
100000

50000

0

Time-->





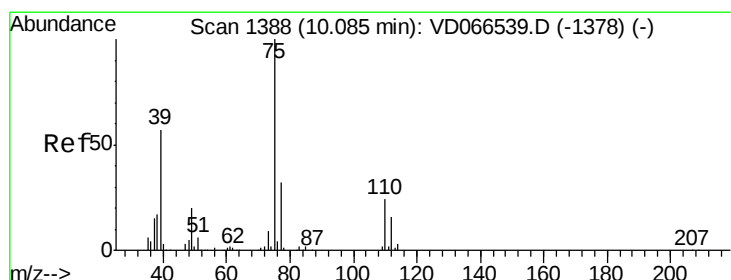
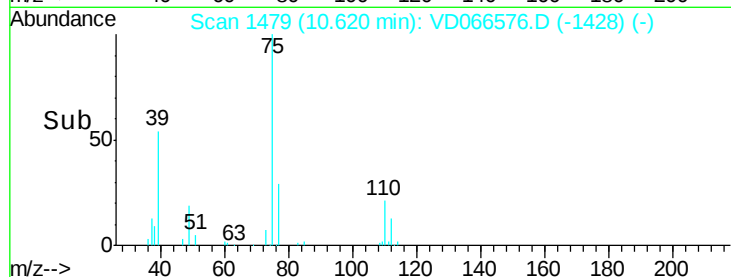
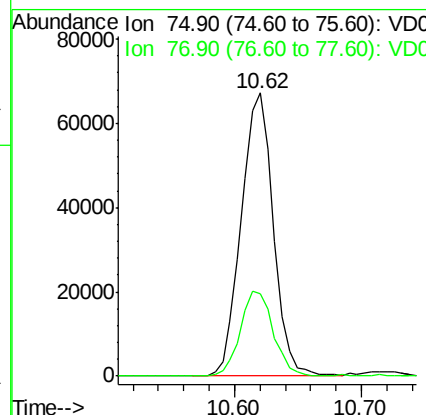
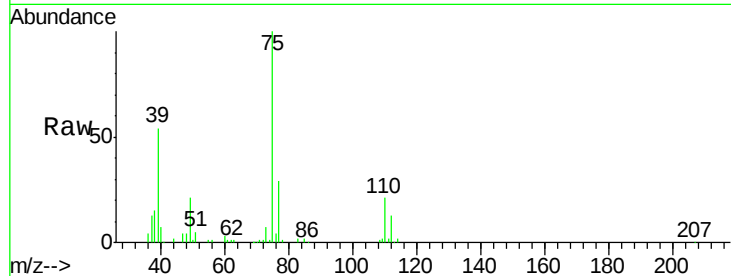
#53
t-1,3-Dichloropropene
Concen: 19.439 ug/l
RT: 10.62 min Scan# 1479
Delta R.T. -0.00 min
Lab File: VD066576.D
Acq: 09 Sep 2020 12:02

Instrument :
MSVOA_D
ClientSampleId :
VD0909SBS01

Tot Ion	Ratio	Resp	Lower	Upper
75	100	118015		
77	29.0		27.4	41.2

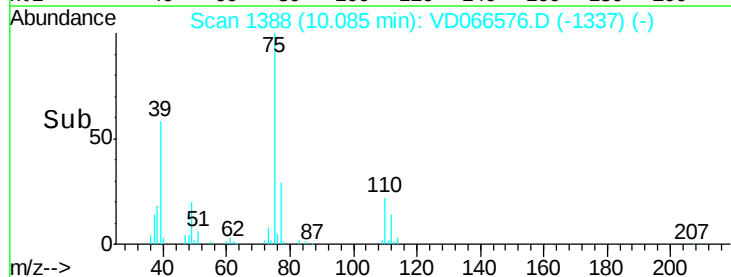
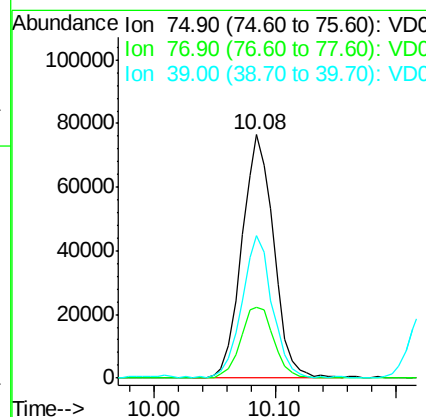
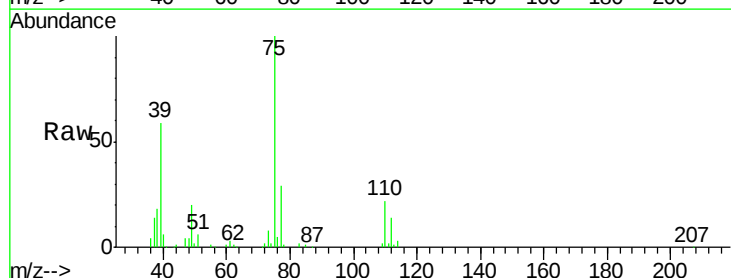
Manual Integrations
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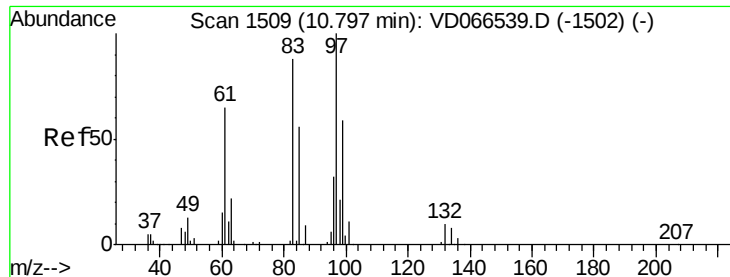
MMDadoda
9/10/2020 10:46:47 AM



#54
cis-1,3-Dichloropropene
Concen: 19.268 ug/l
RT: 10.08 min Scan# 1388
Delta R.T. -0.00 min
Lab File: VD066576.D
Acq: 09 Sep 2020 12:02

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	140473		
77	29.3		25.4	38.0
39	58.5		45.4	68.0





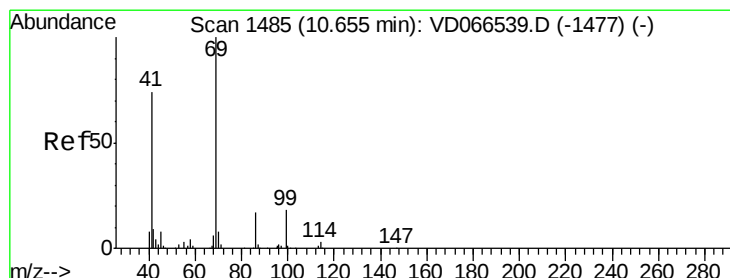
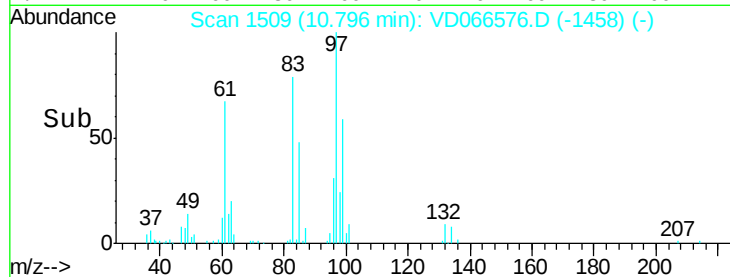
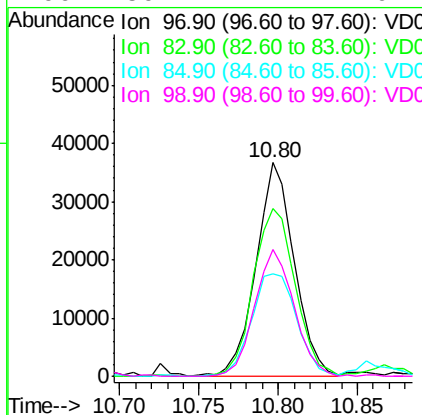
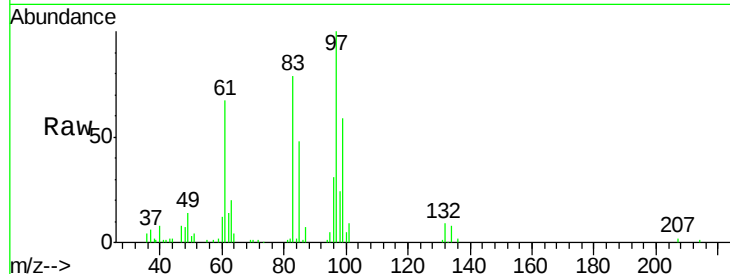
#55
1,1,2-Trichloroethane
Concen: 18.944 ug/l
RT: 10.80 min Scan# 1509
Delta R.T. -0.00 min
Lab File: VD066576.D
Acq: 09 Sep 2020 12:02

Instrument :
MSVOA_D
ClientSampleId :
VD0909SBS01

Tot Ion:	97	Resp:	61916
Ion	Ratio	Lower	Upper
97	100		
83	78.7	70.1	105.1
85	47.8	44.5	66.7
99	59.1	47.1	70.7

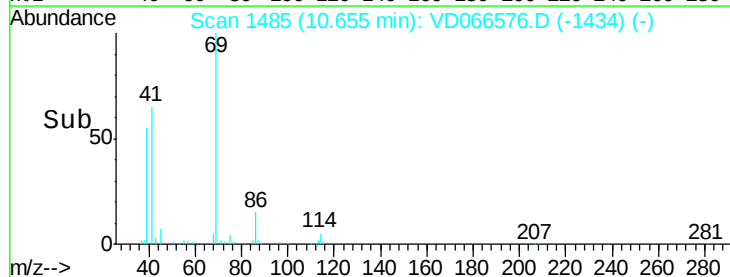
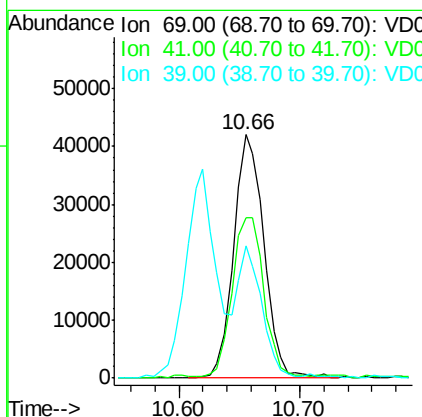
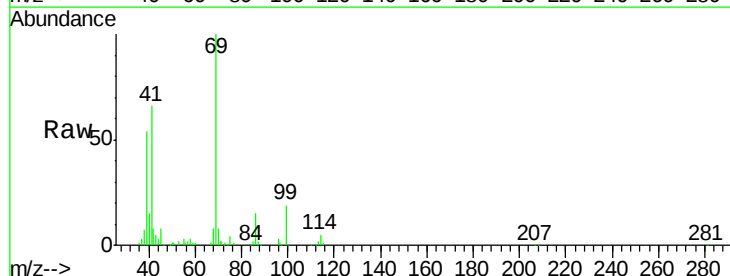
Manual Integrations
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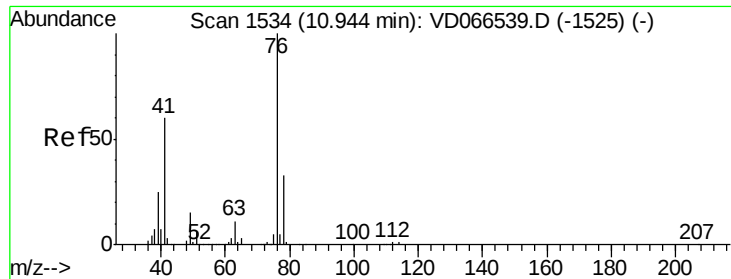
MMDadoda
9/10/2020 10:46:47 AM



#56
Ethyl methacrylate
Concen: 19.351 ug/l
RT: 10.66 min Scan# 1485
Delta R.T. -0.00 min
Lab File: VD066576.D
Acq: 09 Sep 2020 12:02

Tgt Ion:	69	Resp:	73640
Ion	Ratio	Lower	Upper
69	100		
41	68.2	56.8	85.2
39	41.1	30.6	46.0





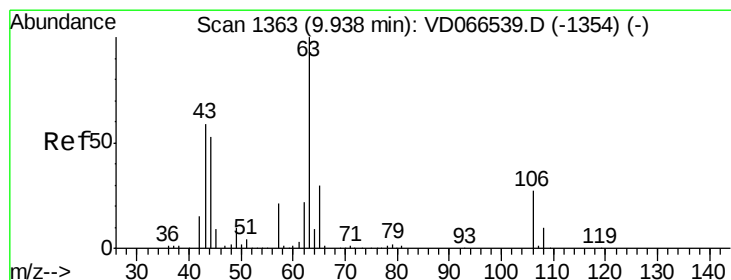
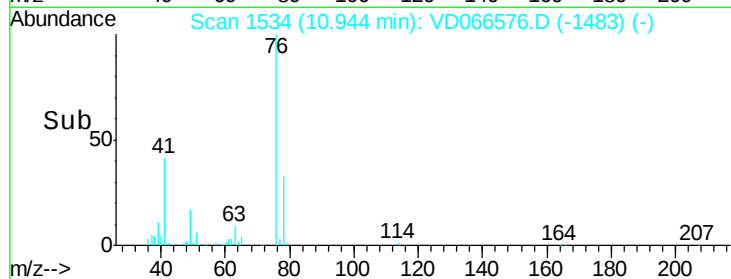
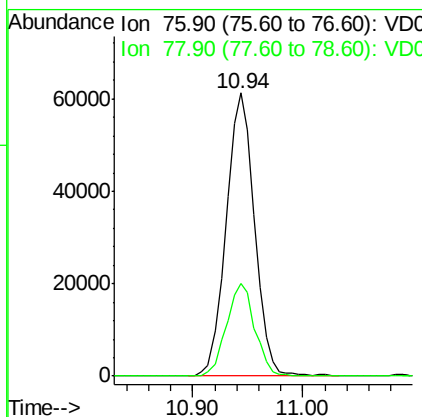
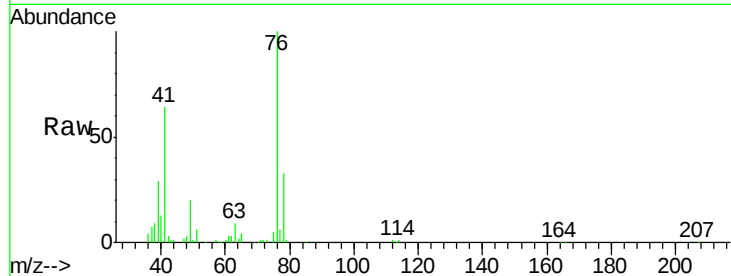
#57
 1,3-Dichloropropane
 Concen: 19.233 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VD066576.D
 Acq: 09 Sep 2020 12:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0909SBS01

Tot Ion: 76 Resp: 110105
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.8 38.8

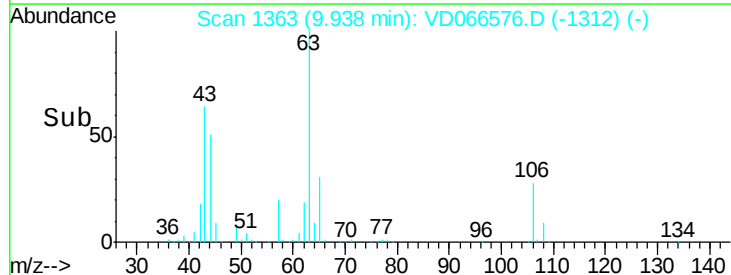
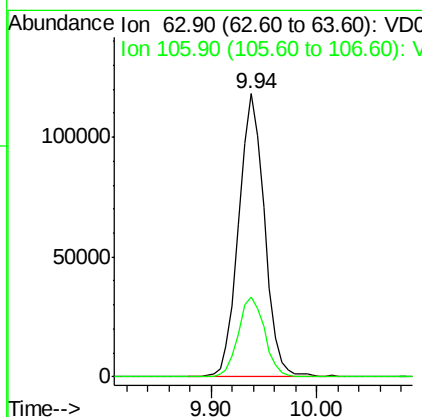
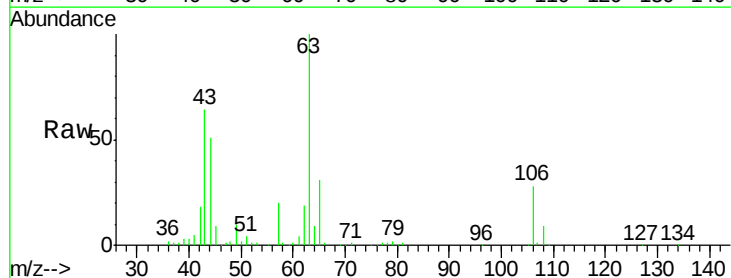
Manual Integrations
 APPROVED

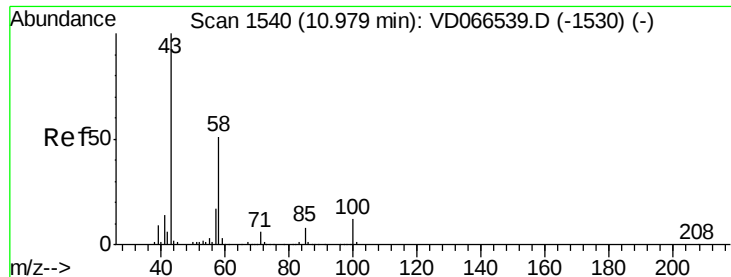
MMDadoda
 9/10/2020 10:46:47 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 114.619 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VD066576.D
 Acq: 09 Sep 2020 12:02

Tgt Ion: 63 Resp: 199503
 Ion Ratio Lower Upper
 63 100
 106 28.9 22.0 33.0





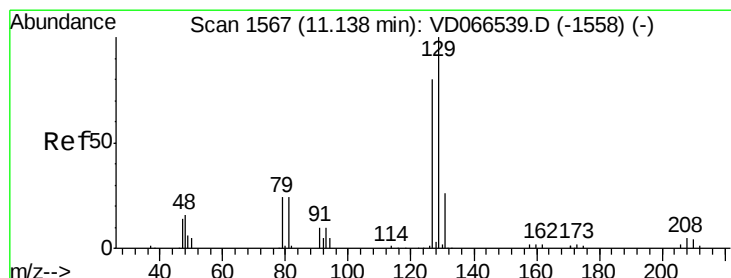
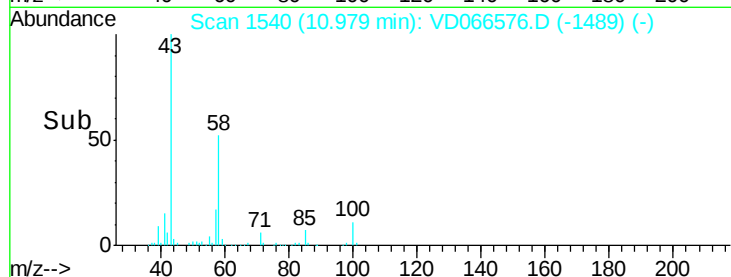
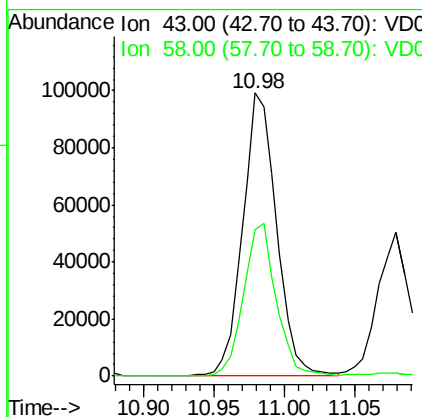
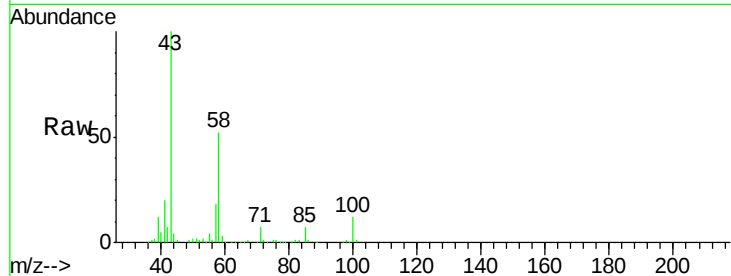
#59
2-Hexanone
Concen: 96.580 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.00 min
Lab File: VD066576.D
Acq: 09 Sep 2020 12:02

Instrument :
MSVOA_D
ClientSampleId :
VD0909SBS01

Tot Ion	43	Resp	167205
Ion Ratio	43	100	
Lower	58	51.9	25.6
Upper			76.8

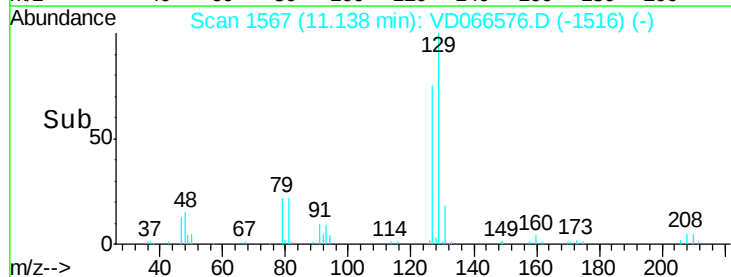
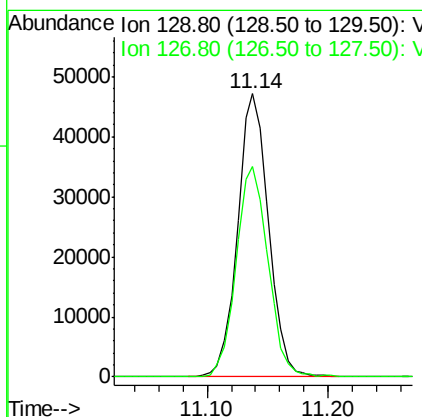
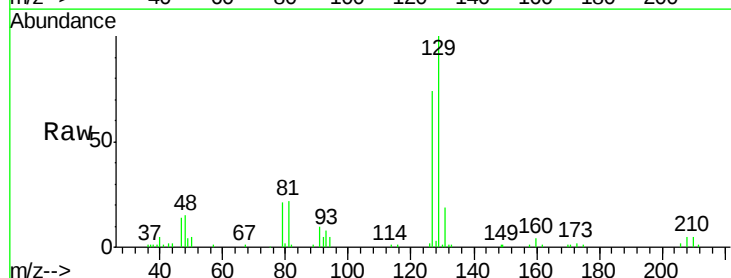
Manual Integrations
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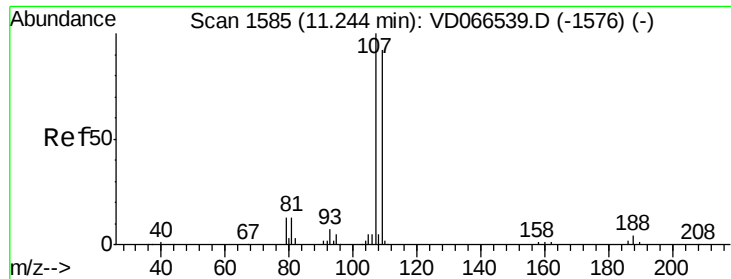
MMDadoda
9/10/2020 10:46:47 AM



#60
Dibromochloromethane
Concen: 19.449 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VD066576.D
Acq: 09 Sep 2020 12:02

Tgt Ion	129	Resp	84057
Ion Ratio	129	100	
Lower	127	76.9	39.5
Upper			118.3





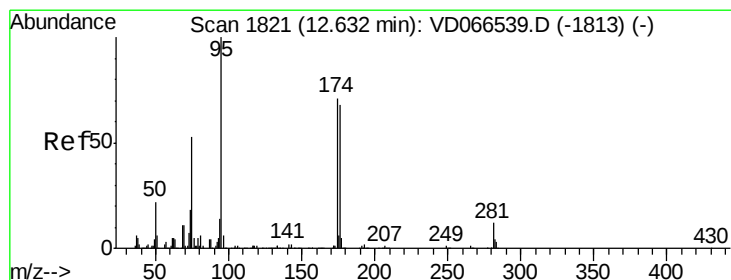
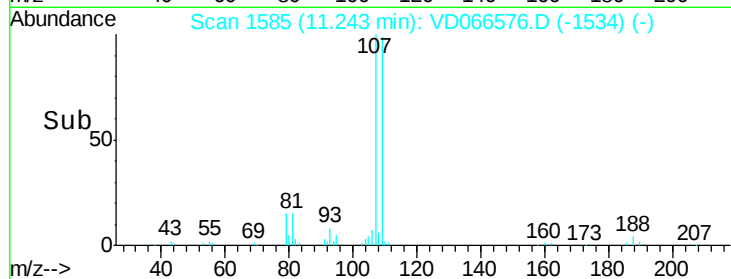
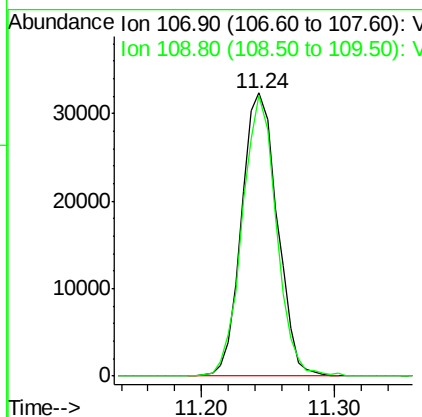
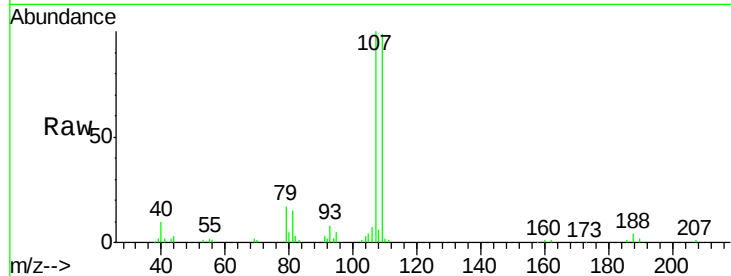
#61
 1,2-Dibromoethane
 Concen: 18.807 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.00 min
 Lab File: VD066576.D
 Acq: 09 Sep 2020 12:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0909SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.4	74.4	111.6

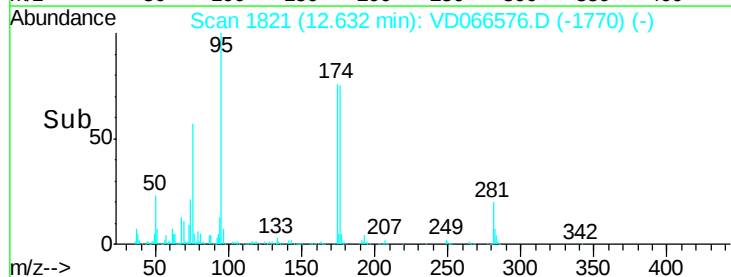
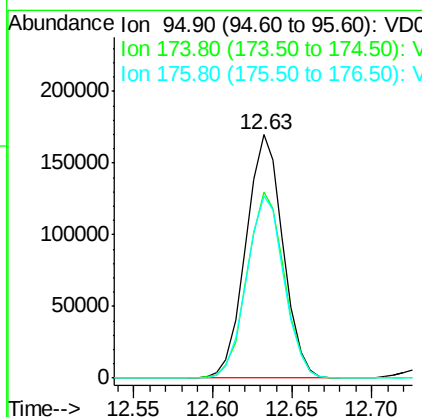
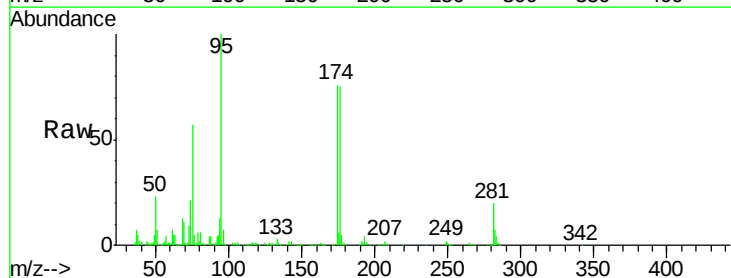
Manual Integrations
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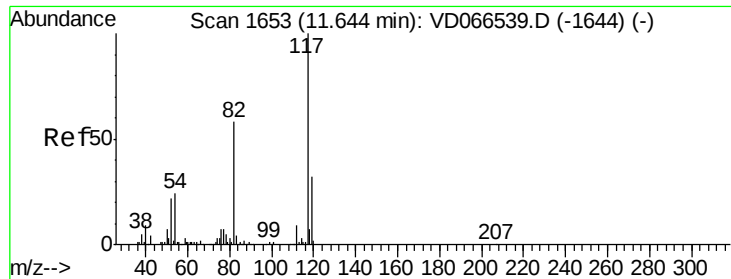
MMDadoda
 9/10/2020 10:46:47 AM



#62
 4-Bromofluorobenzene
 Concen: 53.660 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD066576.D
 Acq: 09 Sep 2020 12:02

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.6	0.0	155.8
176	75.5	0.0	148.6





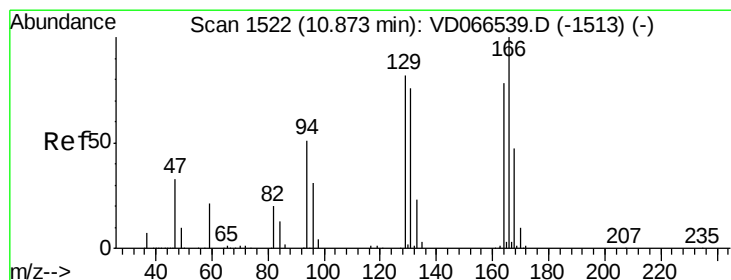
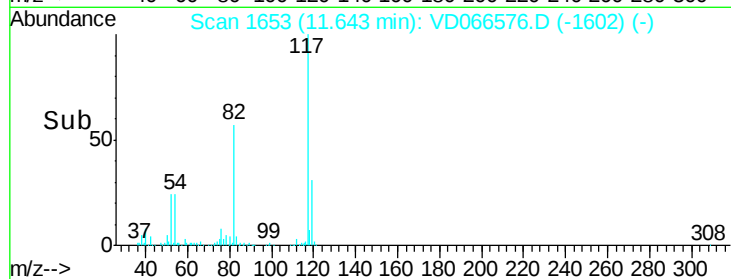
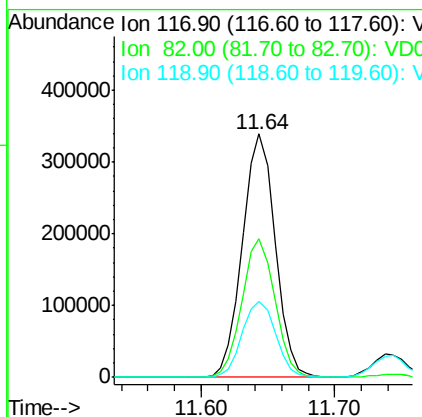
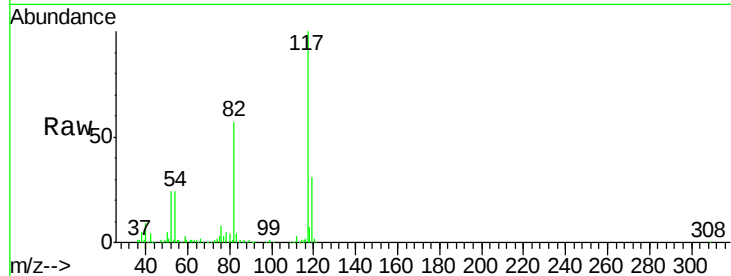
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066576.D
Acq: 09 Sep 2020 12:02

Instrument :
MSVOA_D
ClientSampleId :
VD0909SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	576818		
82	56.9		46.2	69.2
119	31.3		25.8	38.8

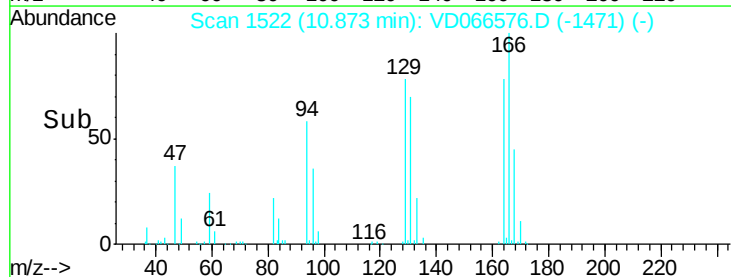
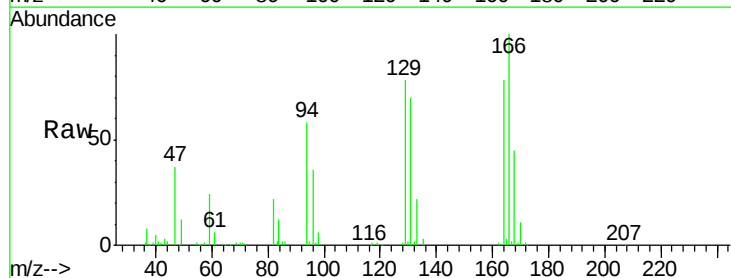
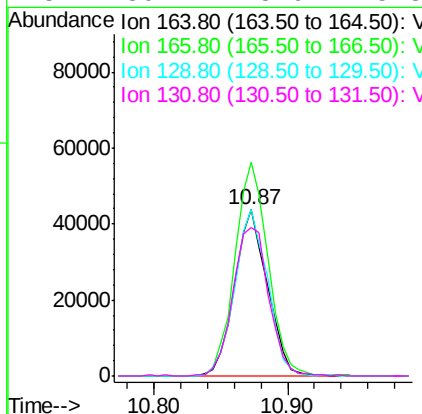
Manual Integrations
APPROVED

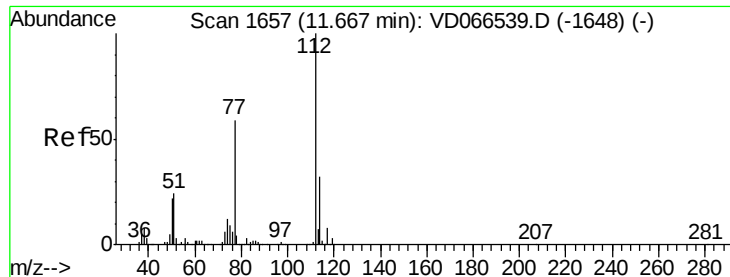
MMDadoda
9/10/2020 10:46:47 AM



#64
Tetrachloroethene
Concen: 19.265 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VD066576.D
Acq: 09 Sep 2020 12:02

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	74821		
166	128.6		103.2	154.8
129	100.2		84.5	126.7
131	89.2		78.9	118.3





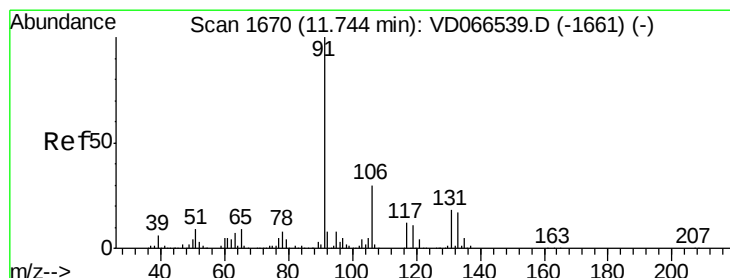
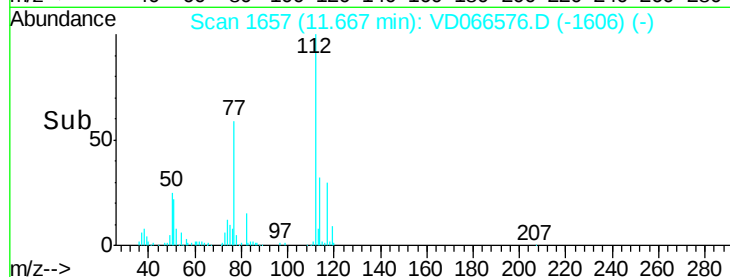
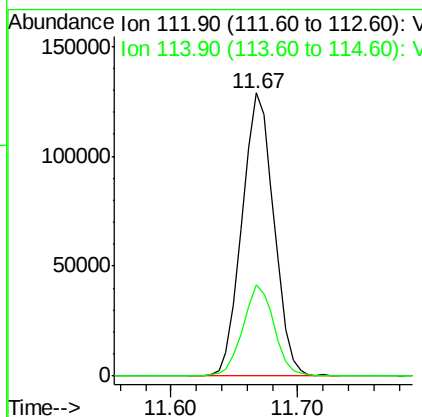
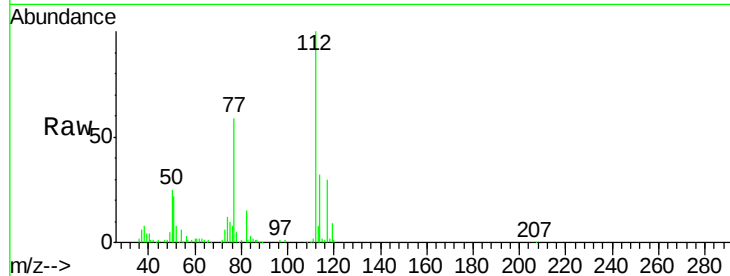
#65
Chlorobenzene
Concen: 18.907 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.00 min
Lab File: VD066576.D
Acq: 09 Sep 2020 12:02

Instrument :
MSVOA_D
ClientSampleId :
VD0909SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.4	25.7	38.5

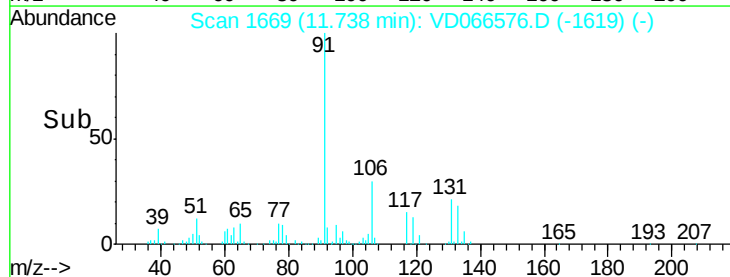
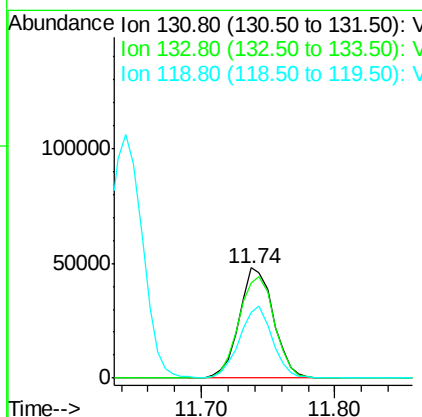
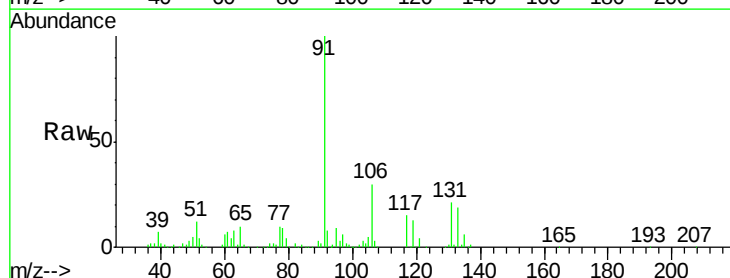
Manual Integrations
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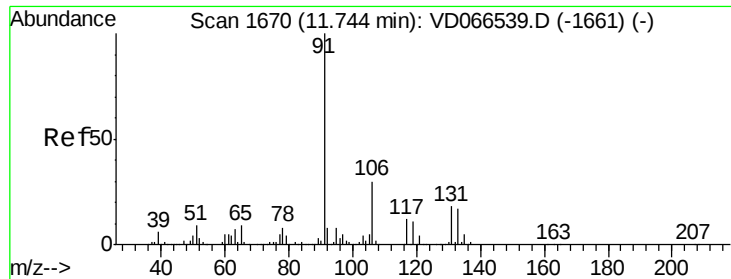
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.741 ug/l
RT: 11.74 min Scan# 1669
Delta R.T. -0.01 min
Lab File: VD066576.D
Acq: 09 Sep 2020 12:02

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.9	46.7	140.0
119	63.1	31.9	95.7





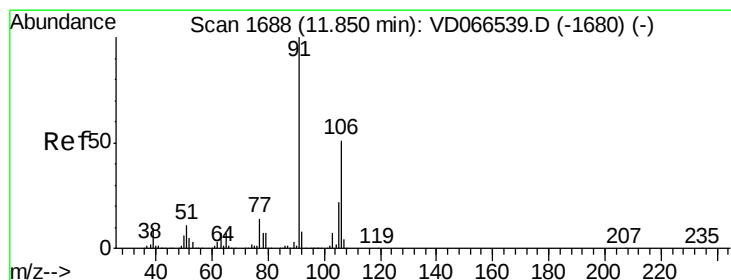
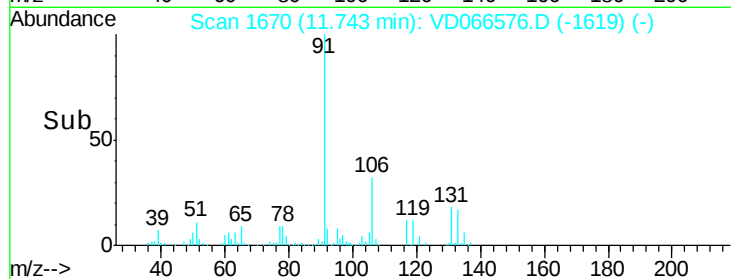
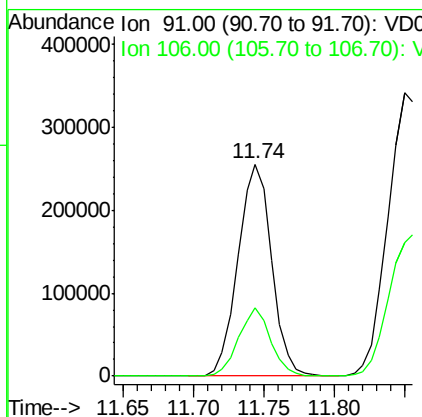
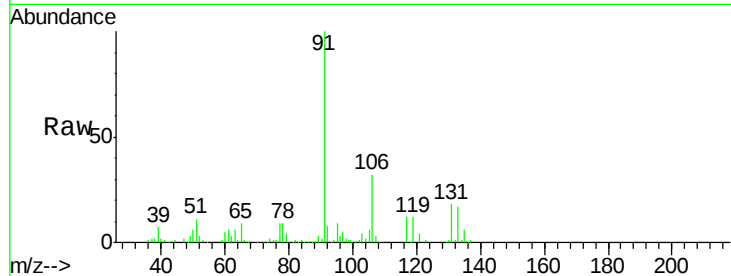
#67
Ethyl Benzene
Concen: 19.483 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD066576.D
Acq: 09 Sep 2020 12:02

Instrument :
MSVOA_D
ClientSampleId :
VD0909SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	31.9	24.3	36.5

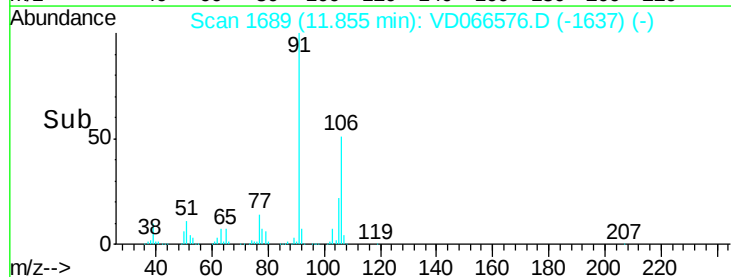
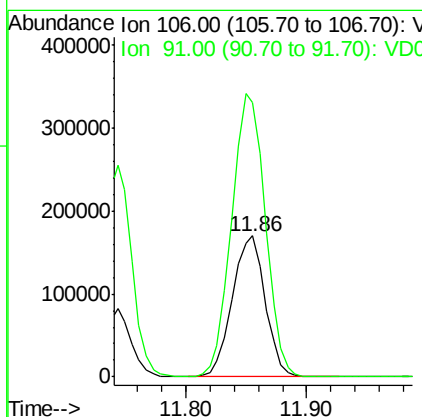
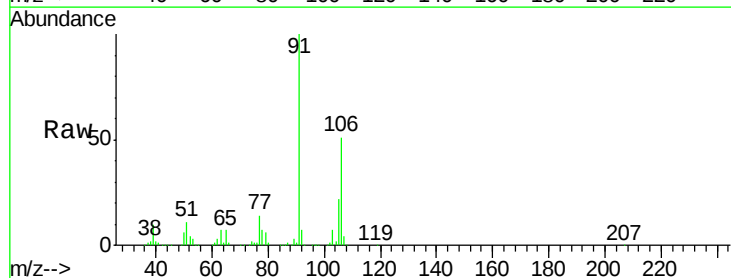
Manual Integrations
APPROVED

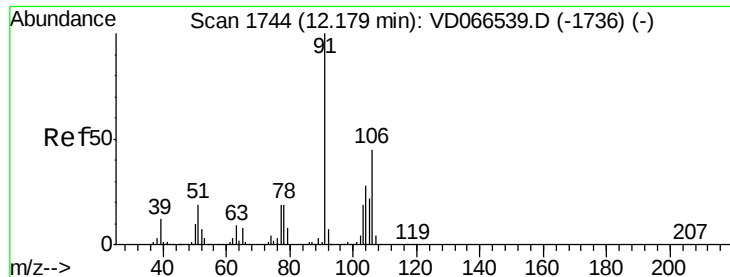
MMDadoda
9/10/2020 10:46:47 AM



#68
m/p-Xylenes
Concen: 39.729 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.01 min
Lab File: VD066576.D
Acq: 09 Sep 2020 12:02

Tgt Ion	Ratio	Lower	Upper
106	100		
91	205.9	162.4	243.6





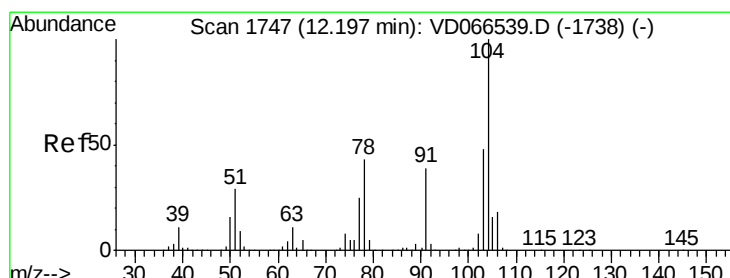
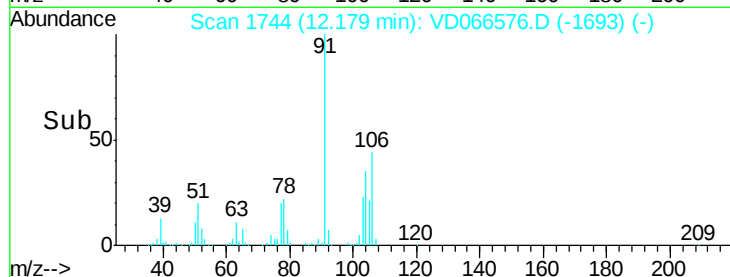
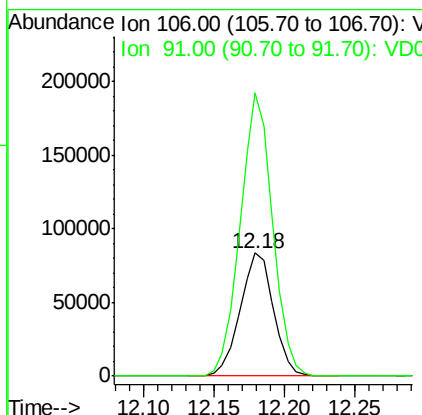
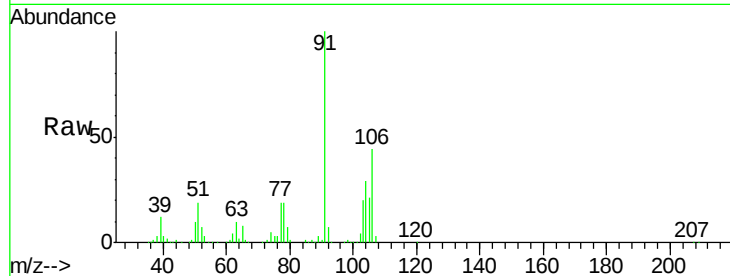
#69
o-Xylene
Concen: 18.958 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.00 min
Lab File: VD066576.D
Acq: 09 Sep 2020 12:02

Instrument :
MSVOA_D
ClientSampleId :
VD0909SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	137901		
91	91	223.0	107.9	323.8	

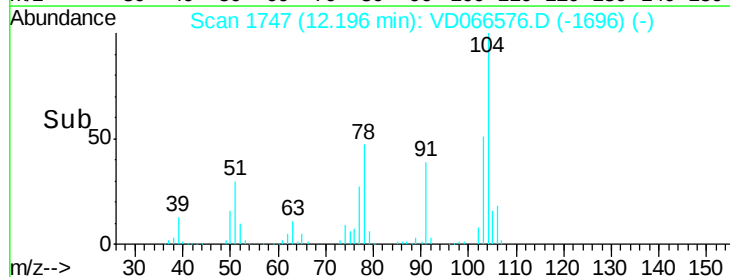
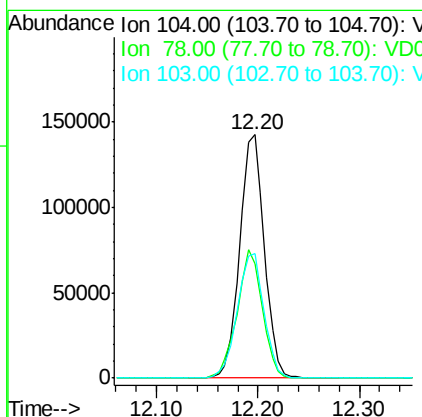
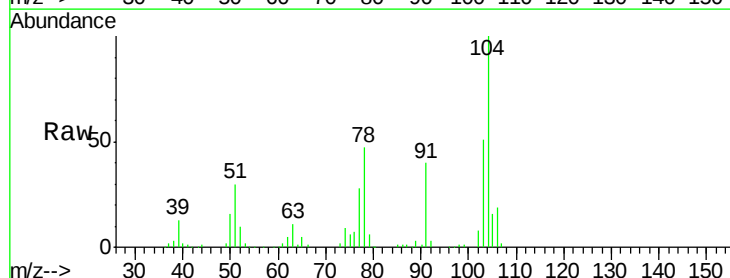
Manual Integrations
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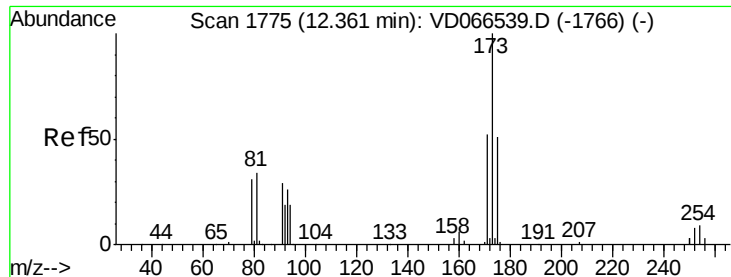
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#70
Styrene
Concen: 18.990 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD066576.D
Acq: 09 Sep 2020 12:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	240147		
78	78	53.8	40.7	61.1	
103	103	55.6	42.9	64.3	





#71

Bromoform

Concen: 19.284 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.00 min

Lab File: VD066576.D

Acq: 09 Sep 2020 12:02

Instrument :

MSVOA_D

ClientSampleId :

VD0909SBS01

Tot Ion:173 Resp: 44158

Ion Ratio Lower Upper

173 100

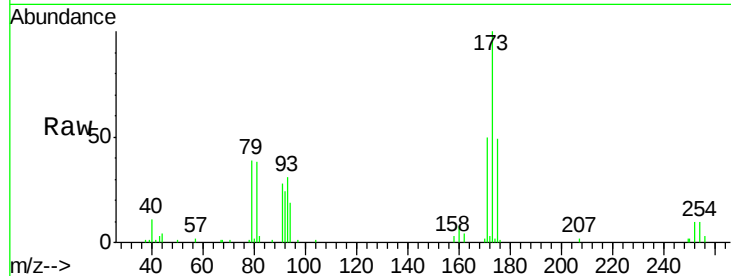
175 48.3 24.2 72.6

254 0.0 0.0 0.0

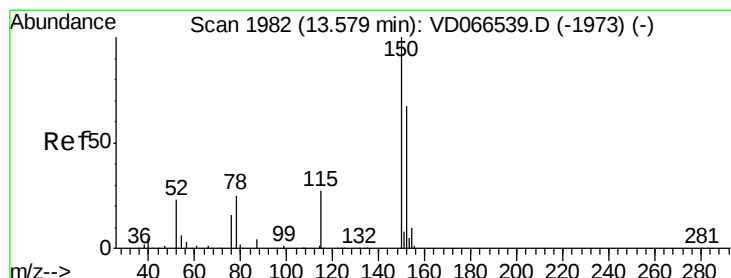
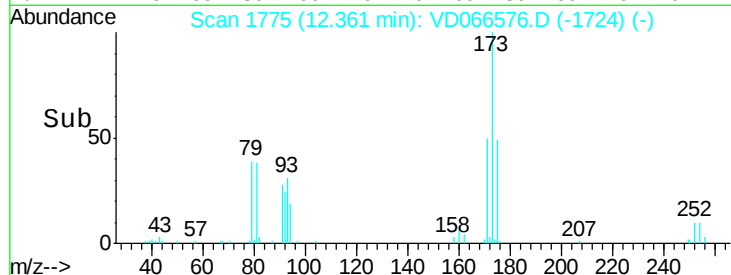
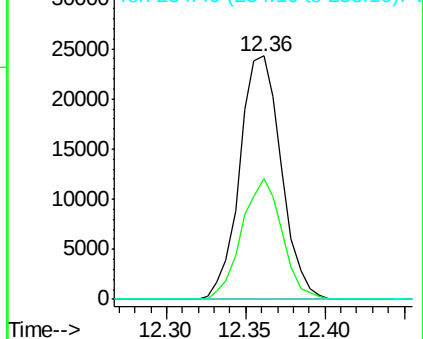
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VD066576.D

Acq: 09 Sep 2020 12:02

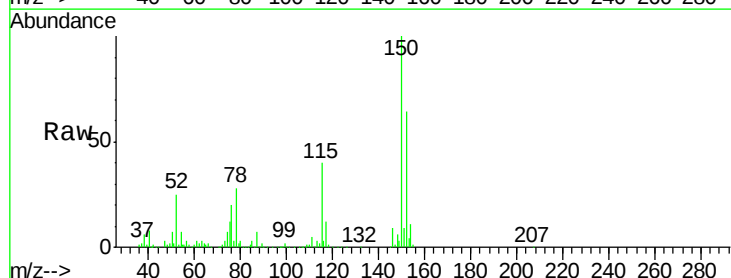
Tgt Ion:152 Resp: 273471

Ion Ratio Lower Upper

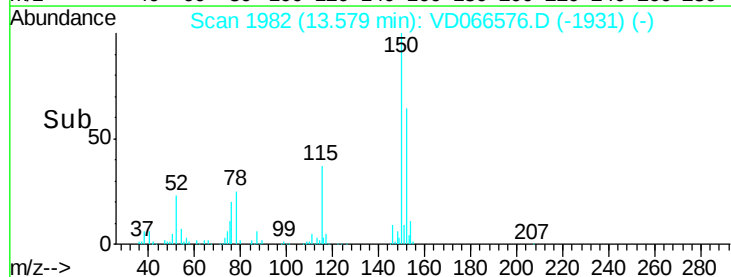
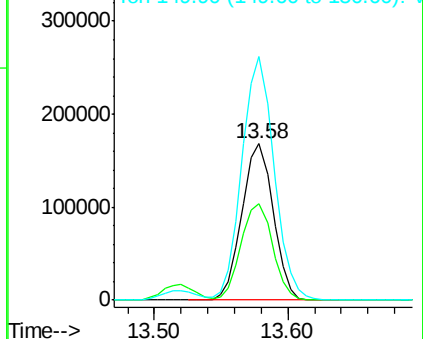
152 100

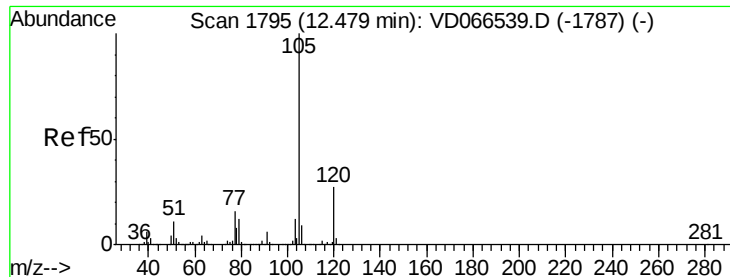
115 62.7 30.4 91.2

150 160.0 0.0 345.8



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





#73

Isopropylbenzene

Concen: 19.674 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VD066576.D

Acq: 09 Sep 2020 12:02

Instrument :

MSVOA_D

ClientSampleId :

VD0909SBS01

Tot Ion: 105 Resp: 398350

Ion Ratio Lower Upper

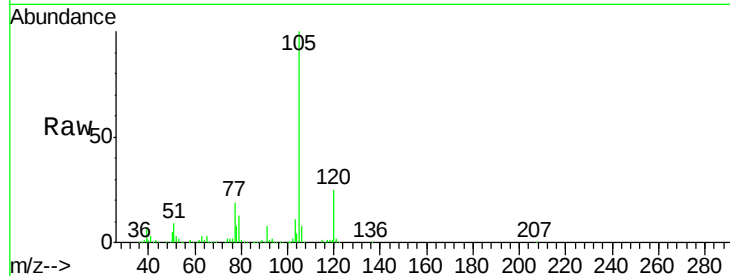
105 100

120 25.6 13.0 39.0

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

250000

200000

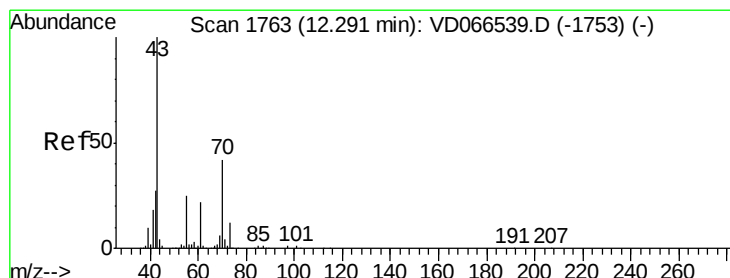
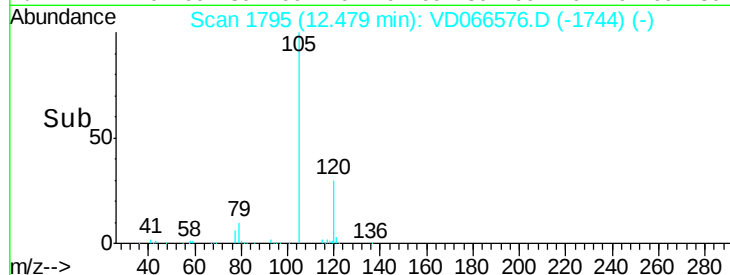
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 18.793 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD066576.D

Acq: 09 Sep 2020 12:02

Tgt Ion: 43 Resp: 86179

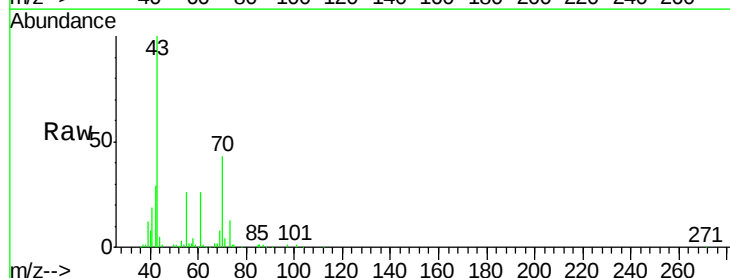
Ion Ratio Lower Upper

43 100

70 41.0 33.4 50.2

55 26.7 20.1 30.1

61 23.6 18.2 27.2



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

80000

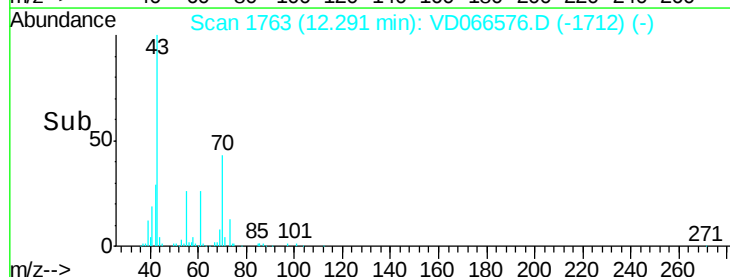
60000

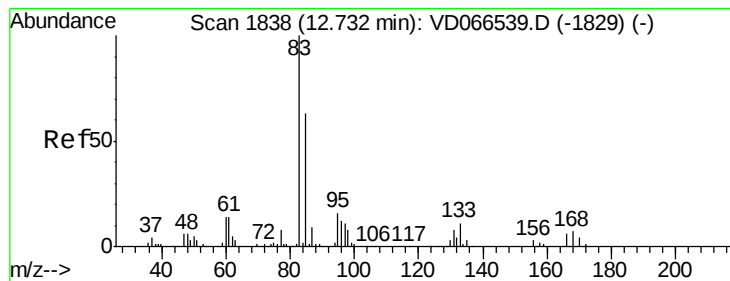
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.382 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD066576.D

Acq: 09 Sep 2020 12:02

Instrument :

MSVOA_D

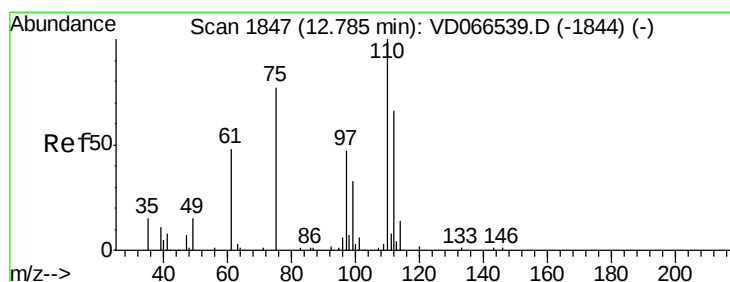
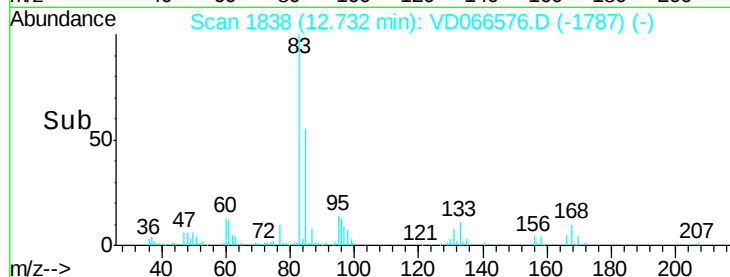
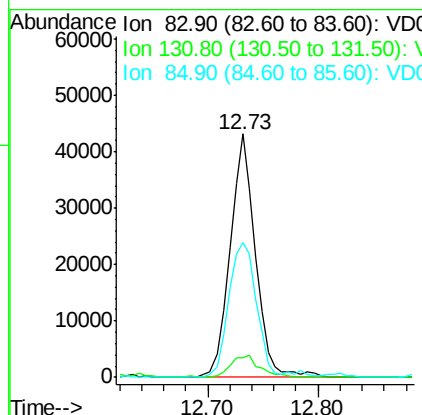
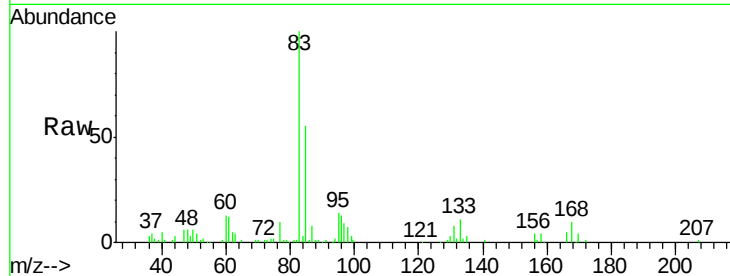
ClientSampleId :

VD0909SBS01

Tot Ion:	83	Resp:	69332
Ion Ratio	Lower	Upper	
83	100		
131	10.2	5.0	15.0
85	60.7	32.1	96.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.942 ug/l m

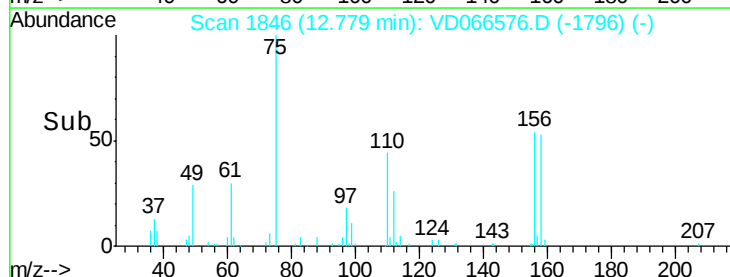
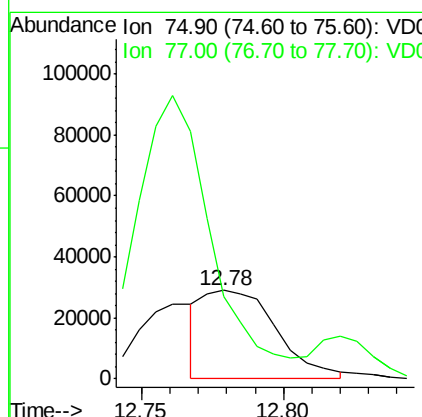
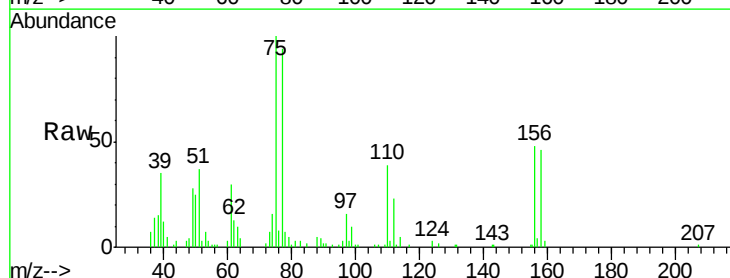
RT: 12.78 min Scan# 1846

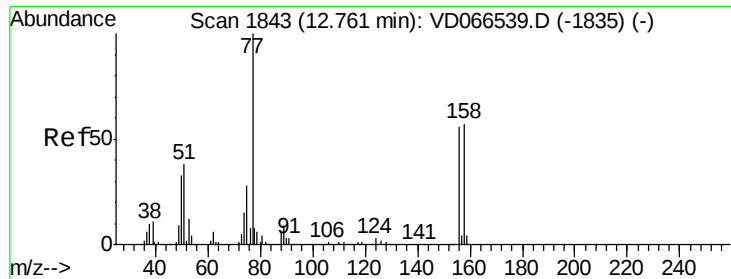
Delta R.T. -0.01 min

Lab File: VD066576.D

Acq: 09 Sep 2020 12:02

Tgt Ion:	75	Resp:	52449
Ion Ratio	Lower	Upper	
75	100		
77	326.8	0.0	0.0#





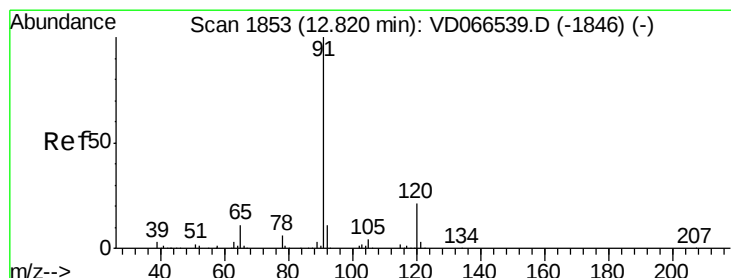
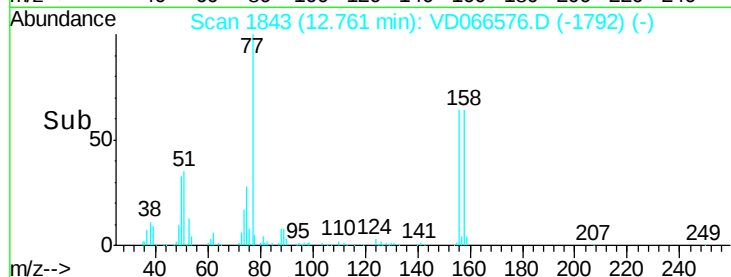
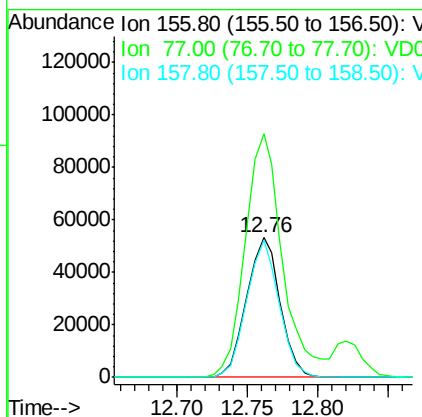
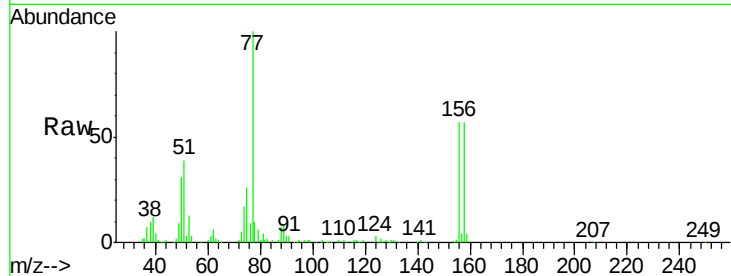
#77
Bromobenzene
Concen: 19.695 ug/l
RT: 12.76 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VD066576.D
Acq: 09 Sep 2020 12:02

Instrument :
MSVOA_D
ClientSampleId :
VD0909SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	192.8	98.0	294.1
158	94.8	48.1	144.3

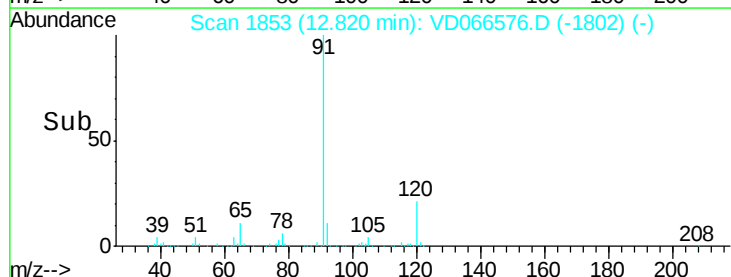
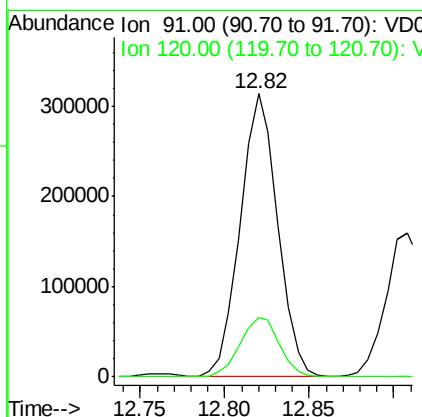
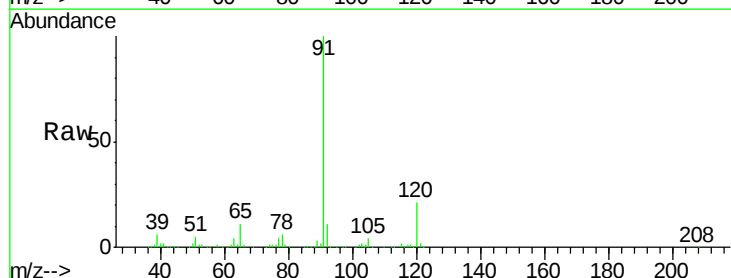
Manual Integrations
APPROVED

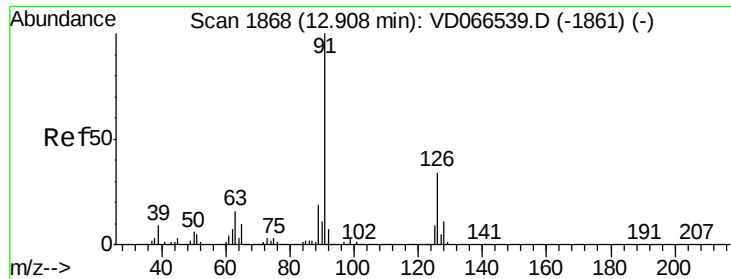
MMDadoda
9/10/2020 10:46:47 AM



#78
n-propylbenzene
Concen: 19.726 ug/l
RT: 12.82 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VD066576.D
Acq: 09 Sep 2020 12:02

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.1	11.1	33.1





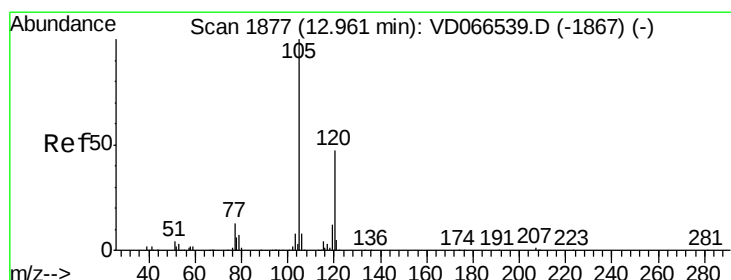
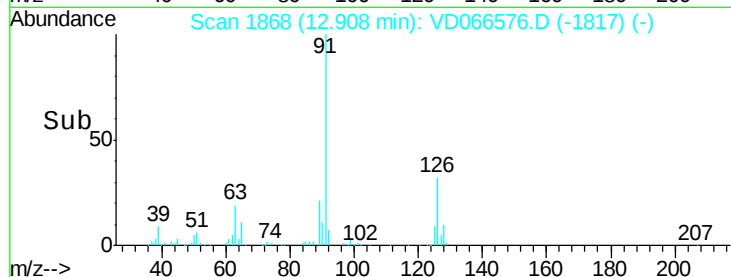
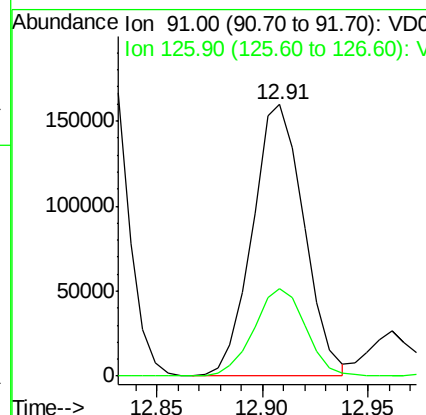
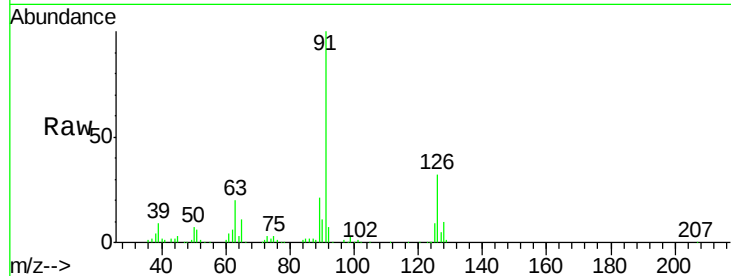
#79
2-Chlorotoluene
Concen: 19.678 ug/l
RT: 12.91 min Scan# 1868
Delta R.T. -0.00 min
Lab File: VD066576.D
Acq: 09 Sep 2020 12:02

Instrument :
MSVOA_D
ClientSampleId :
VD0909SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
126	32.2	16.4	49.4

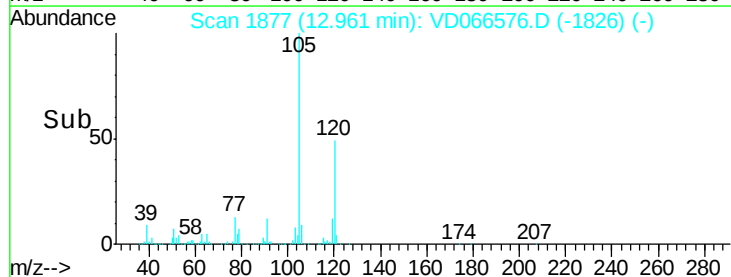
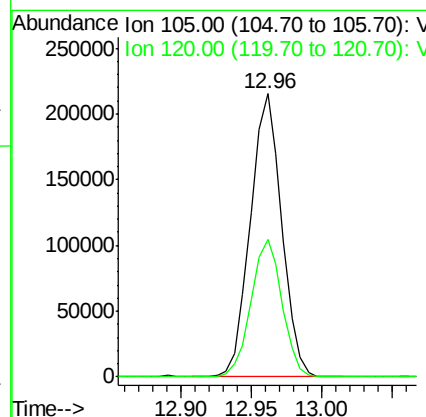
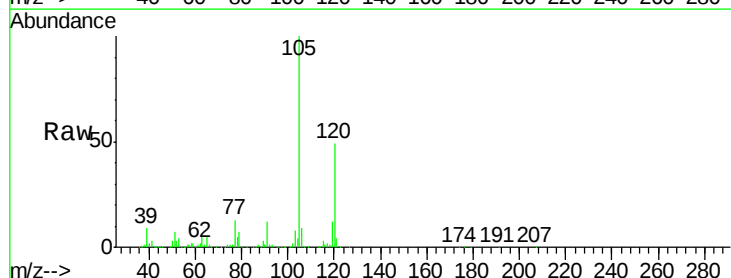
Manual Integrations
APPROVED

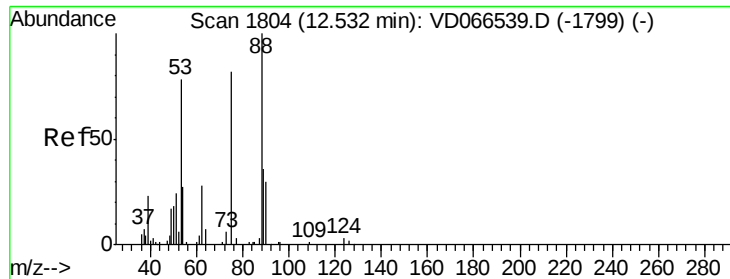
MMDadoda
9/10/2020 10:46:47 AM



#80
1,3,5-Trimethylbenzene
Concen: 19.709 ug/l
RT: 12.96 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VD066576.D
Acq: 09 Sep 2020 12:02

Tgt Ion	Ratio	Lower	Upper
105	100		
120	48.0	23.9	71.8





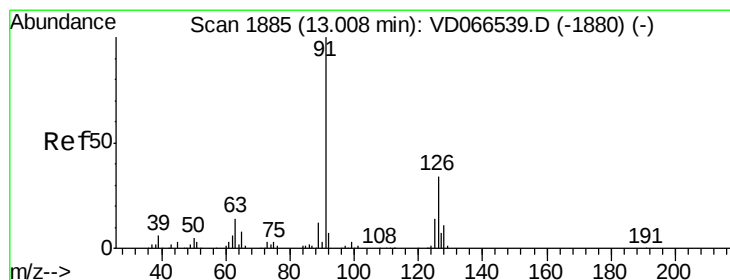
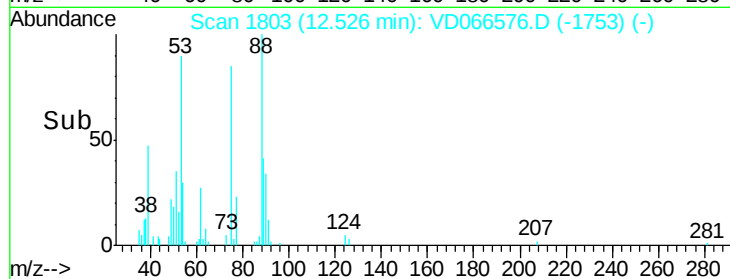
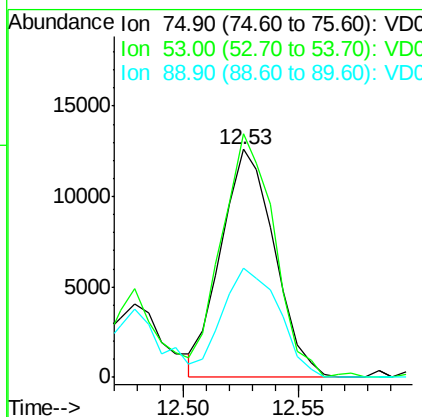
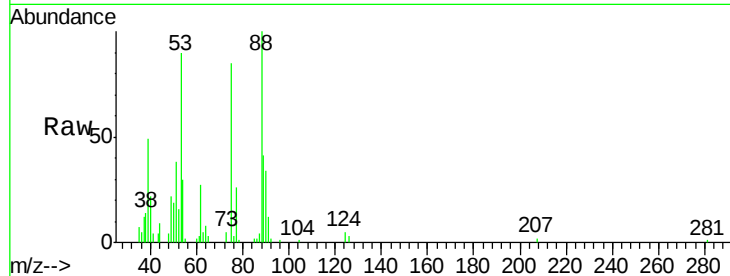
#81
trans-1,4-Dichloro-2-butene
Concen: 18.110 ug/l
RT: 12.53 min Scan# 1803
Delta R.T. -0.01 min
Lab File: VD066576.D
Acq: 09 Sep 2020 12:02

Instrument :
MSVOA_D
ClientSampleId :
VD0909SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	105.0	87.0	130.4
89	51.0	37.1	55.7

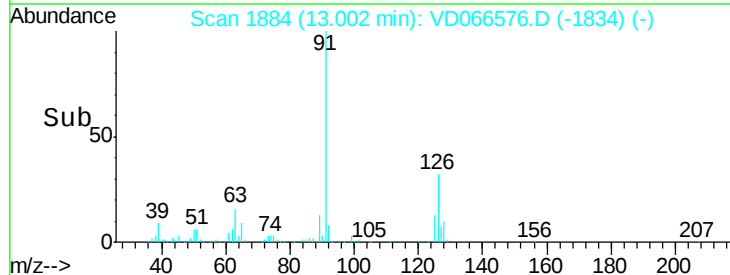
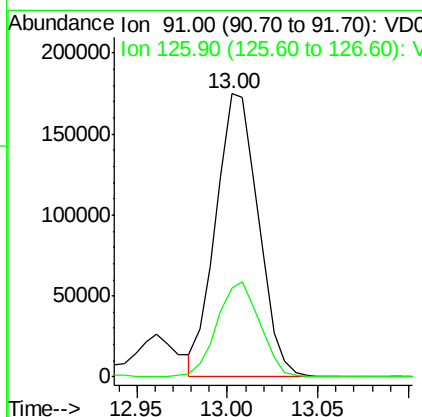
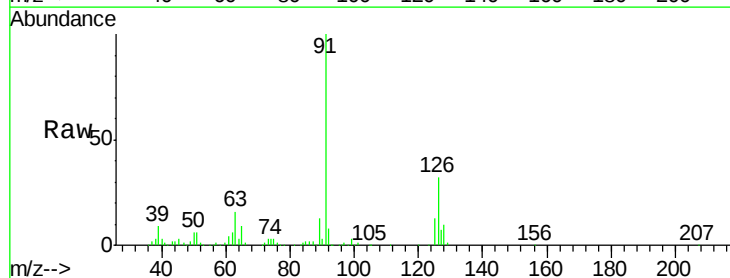
Manual Integrations
APPROVED

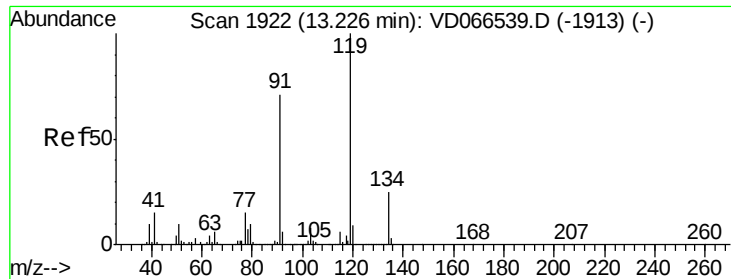
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#82
4-Chlorotoluene
Concen: 19.411 ug/l
RT: 13.00 min Scan# 1884
Delta R.T. -0.01 min
Lab File: VD066576.D
Acq: 09 Sep 2020 12:02

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.0	16.4	49.1





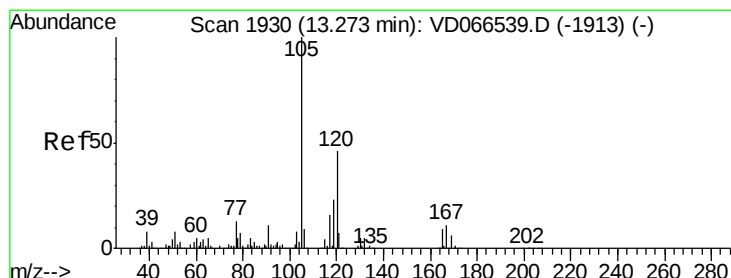
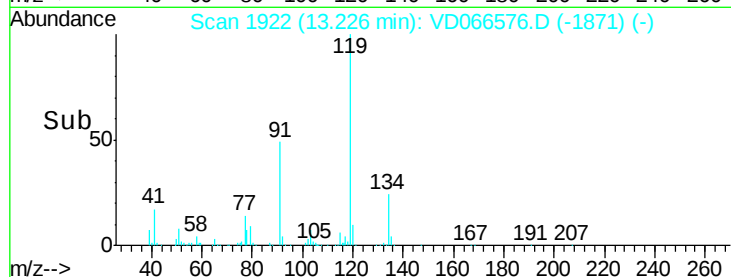
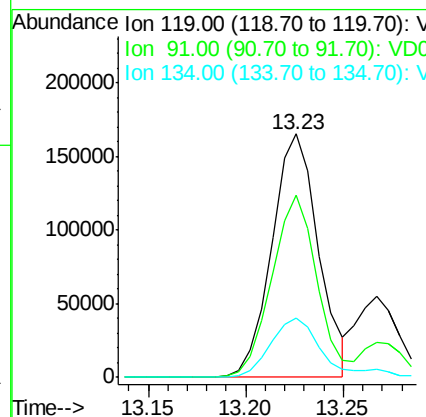
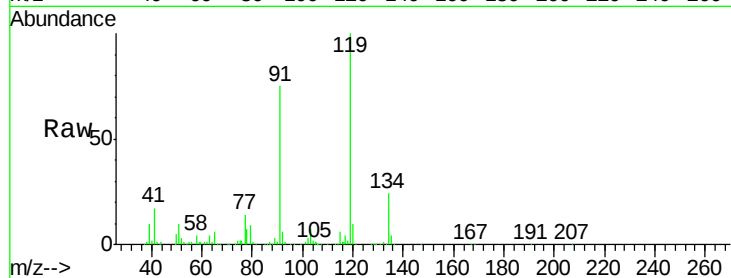
#83
tert-Butylbenzene
Concen: 19.602 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. -0.00 min
Lab File: VD066576.D
Acq: 09 Sep 2020 12:02

Instrument :
MSVOA_D
ClientSampleId :
VD0909SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	272794		
91	73.4	35.2	105.6	
134	27.3	13.5	40.5	

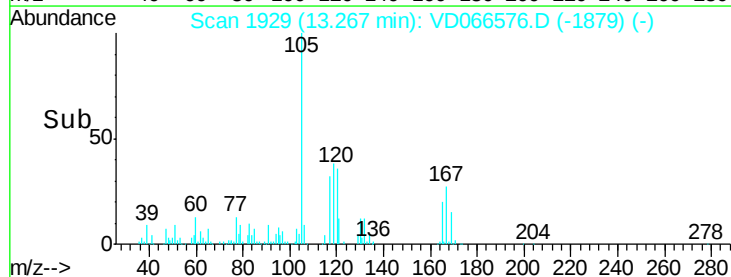
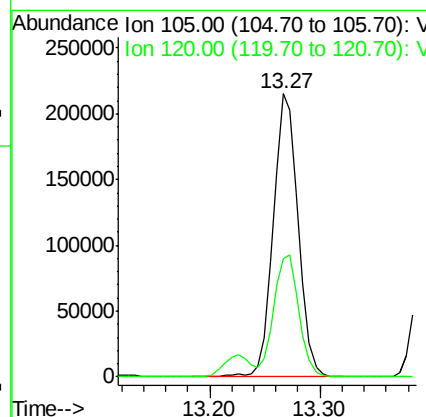
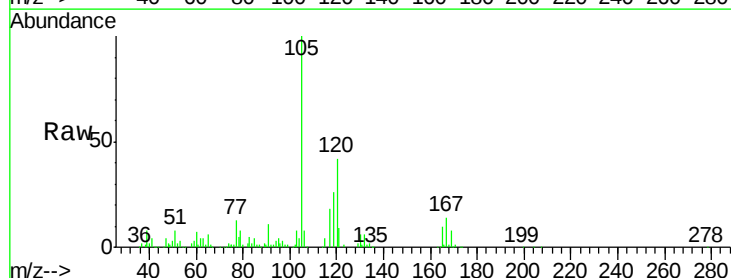
Manual Integrations
APPROVED

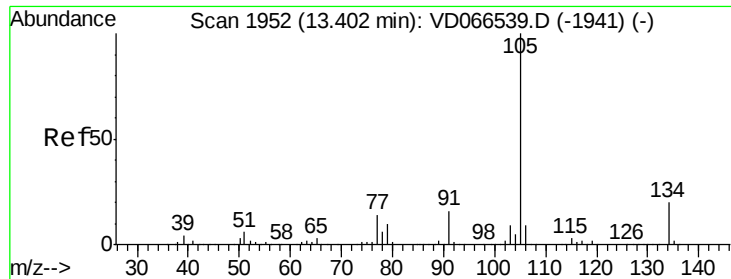
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#84
1,2,4-Trimethylbenzene
Concen: 19.977 ug/l
RT: 13.27 min Scan# 1929
Delta R.T. -0.01 min
Lab File: VD066576.D
Acq: 09 Sep 2020 12:02

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	338941		
120	43.4	22.6	67.7	





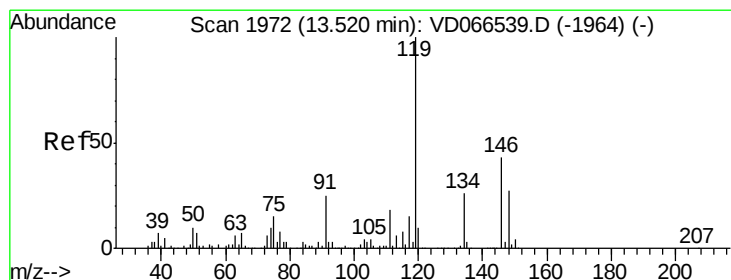
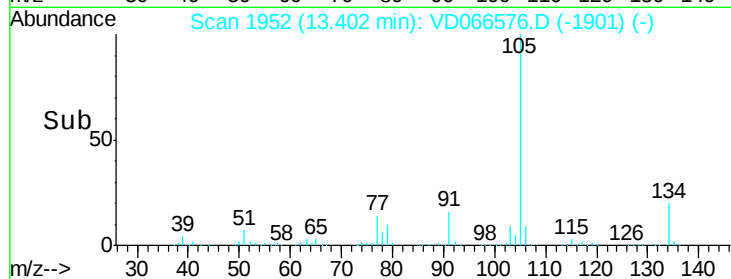
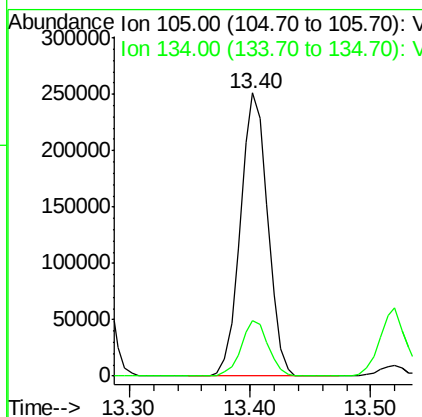
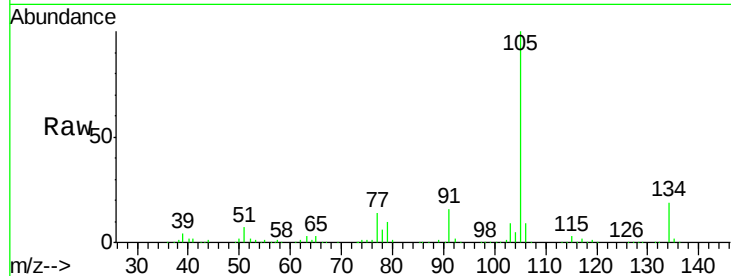
#85
 sec-Butylbenzene
 Concen: 19.802 ug/l
 RT: 13.40 min Scan# 1952
 Delta R.T. -0.00 min
 Lab File: VD066576.D
 Acq: 09 Sep 2020 12:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0909SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.8	29.5

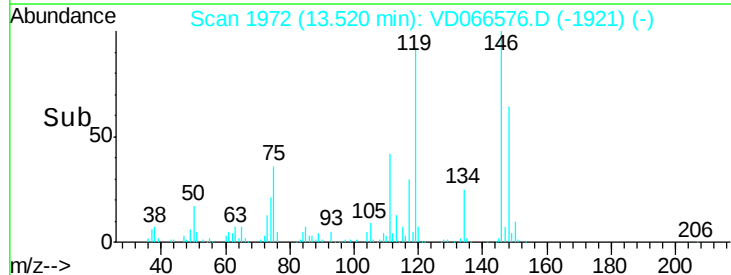
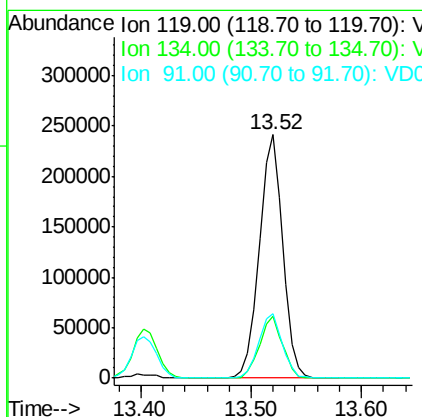
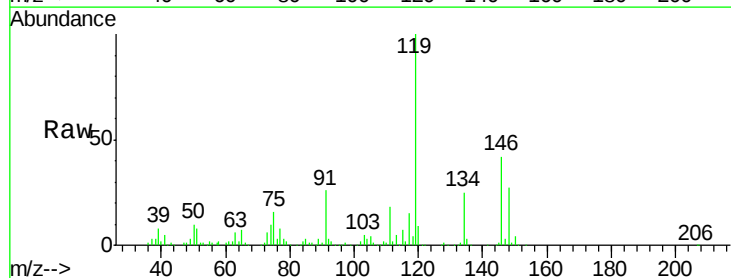
Manual Integrations
 APPROVED

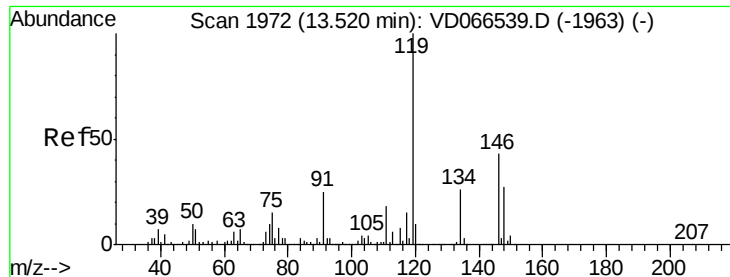
MMDadoda
 9/10/2020 10:46:47 AM



#86
 p-Isopropyltoluene
 Concen: 19.889 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD066576.D
 Acq: 09 Sep 2020 12:02

Tgt Ion	Ratio	Lower	Upper
119	100		
134	24.9	12.7	38.0
91	26.7	12.5	37.5





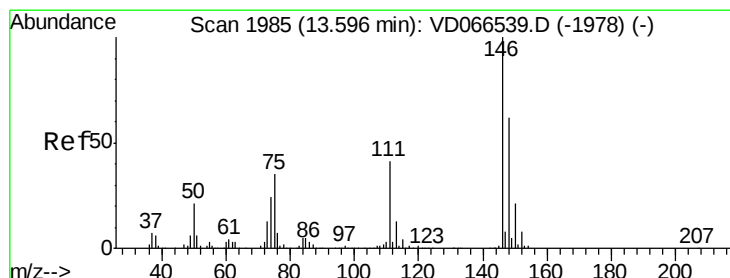
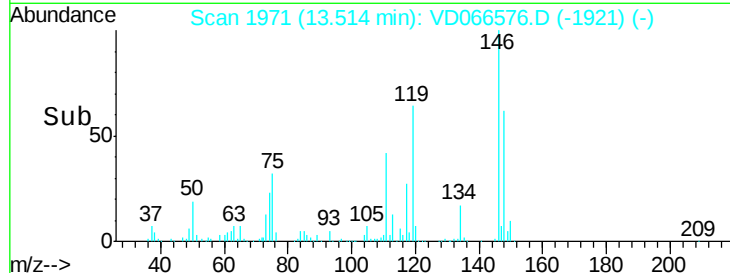
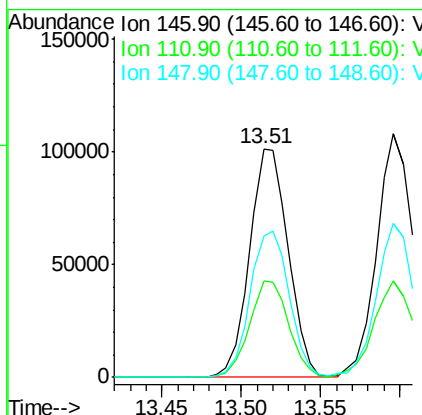
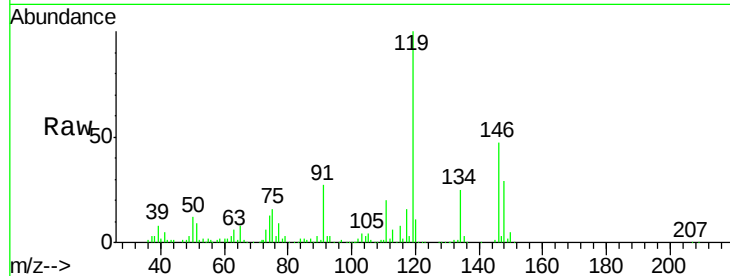
#87
 1,3-Dichlorobenzene
 Concen: 19.197 ug/l
 RT: 13.51 min Scan# 1971
 Delta R.T. -0.01 min
 Lab File: VD066576.D
 Acq: 09 Sep 2020 12:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0909SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	20.6	61.9
148	64.9	32.1	96.3

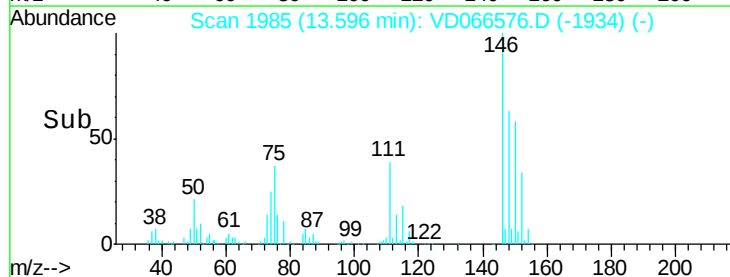
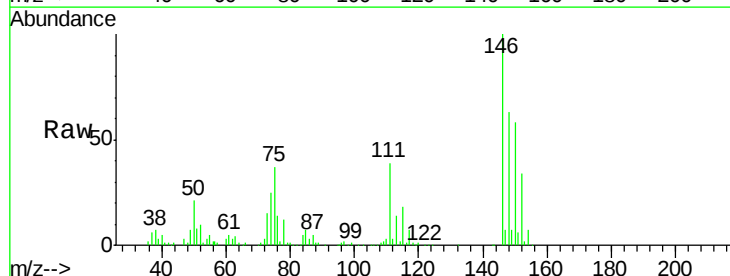
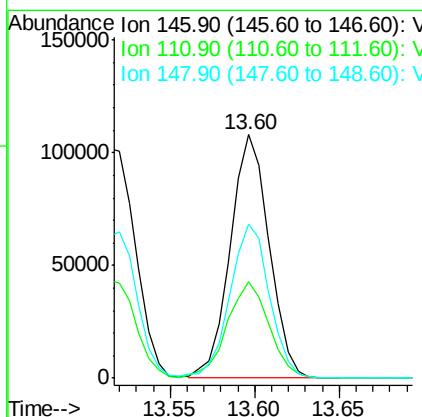
Manual Integrations
 APPROVED

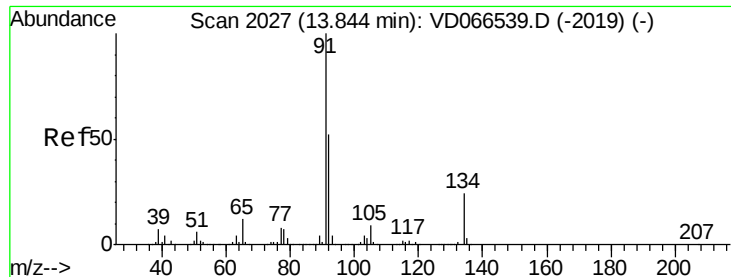
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 9/10/2020 10:46:47 AM



#88
 1,4-Dichlorobenzene
 Concen: 19.237 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.00 min
 Lab File: VD066576.D
 Acq: 09 Sep 2020 12:02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.6	20.1	60.2
148	64.0	31.6	94.8





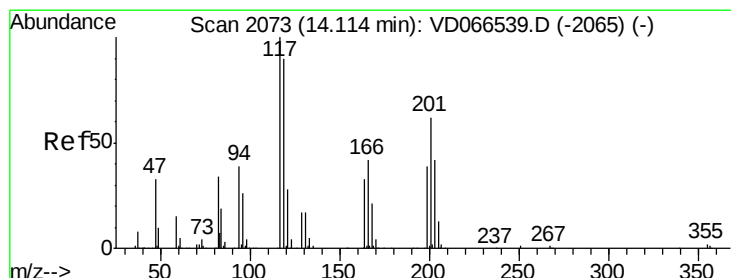
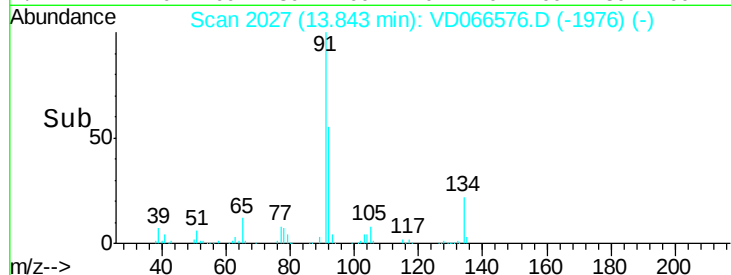
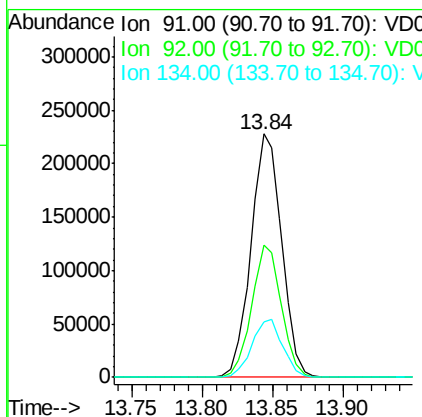
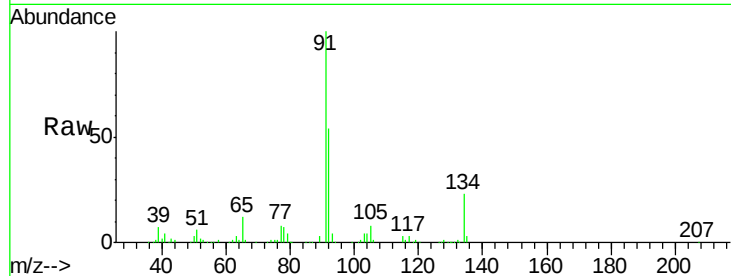
#89
n-Butylbenzene
Concen: 19.789 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.00 min
Lab File: VD066576.D
Acq: 09 Sep 2020 12:02

Instrument :
MSVOA_D
ClientSampleId :
VD0909SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	52.8	26.5	79.5	
134	24.0	12.1	36.3	

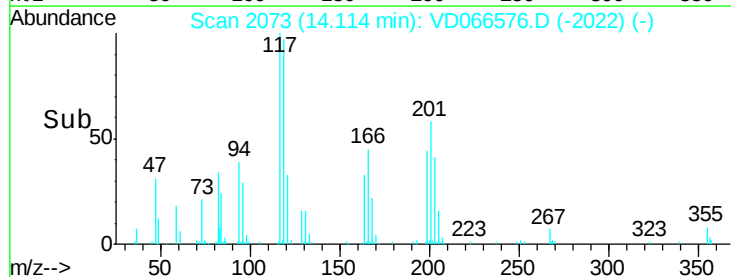
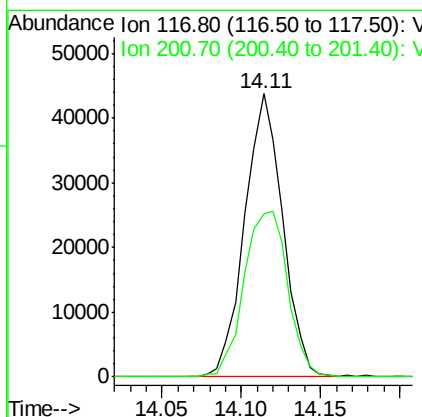
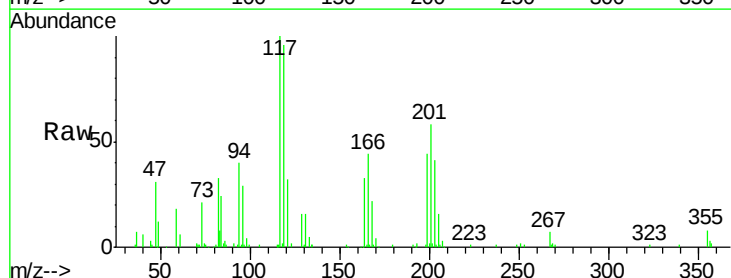
Manual Integrations
APPROVED

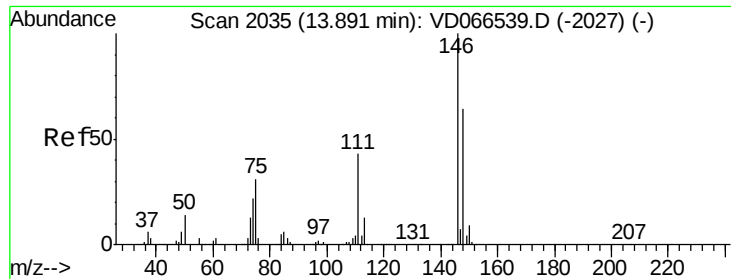
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#90
Hexachloroethane
Concen: 18.780 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VD066576.D
Acq: 09 Sep 2020 12:02

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	67.2	31.9	95.5	





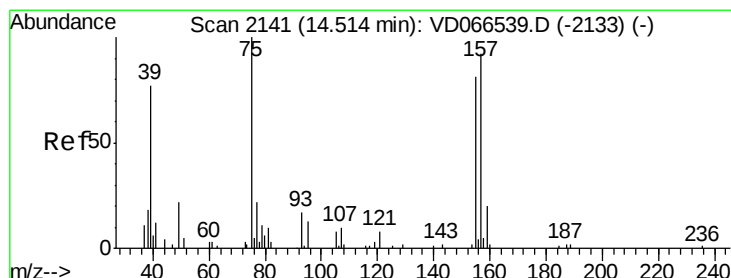
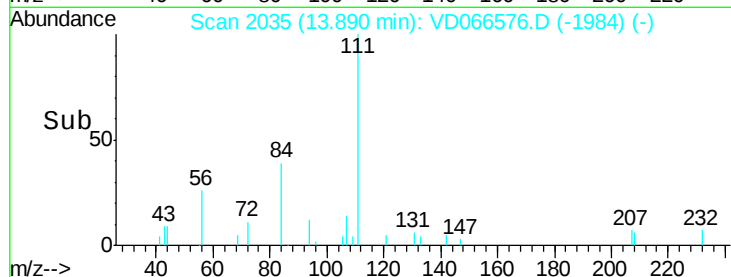
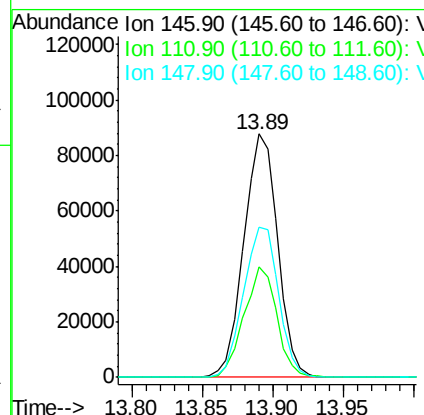
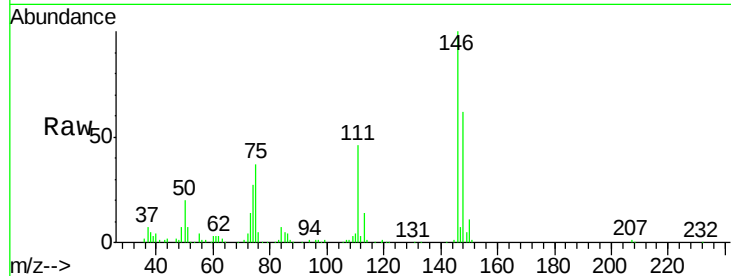
#91
 1,2-Dichlorobenzene
 Concen: 18.828 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: VD066576.D
 Acq: 09 Sep 2020 12:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0909SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.2	21.1	63.4
148	63.9	31.8	95.3

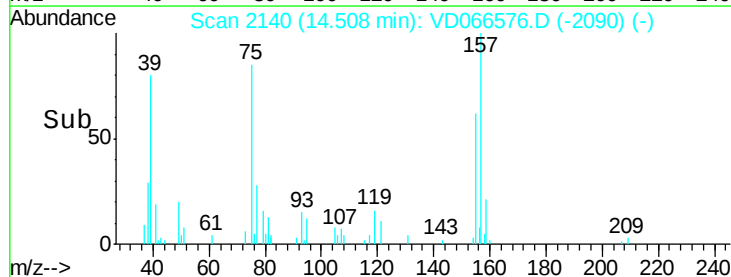
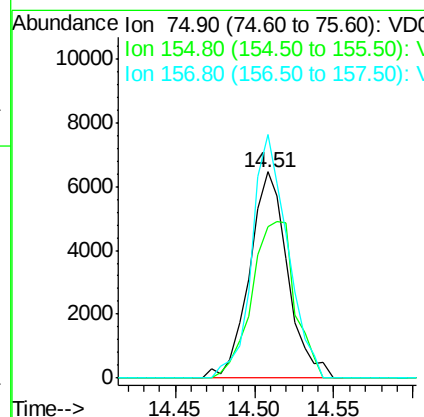
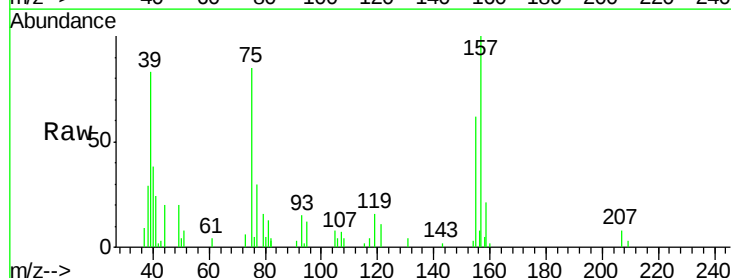
Manual Integrations
 APPROVED

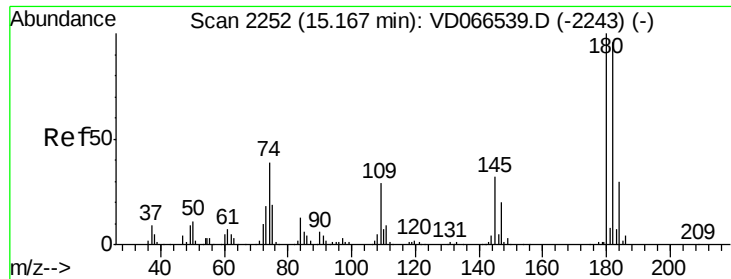
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.834 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD066576.D
 Acq: 09 Sep 2020 12:02

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.3	39.3	117.8
157	110.1	46.0	137.8





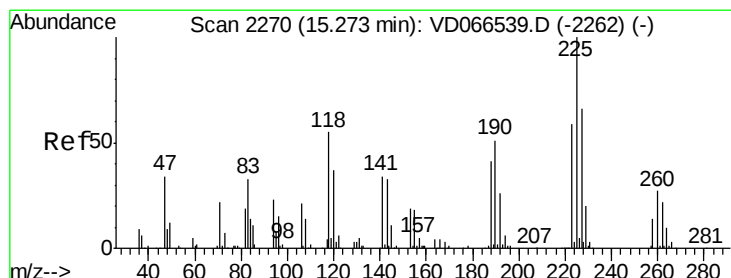
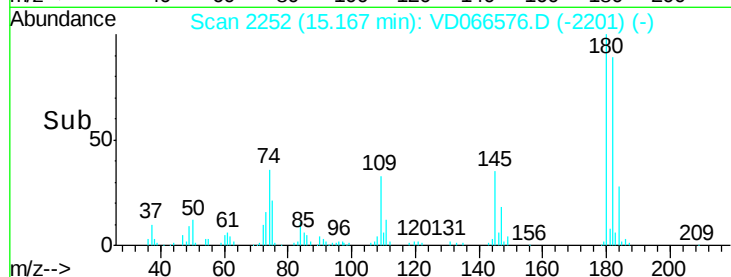
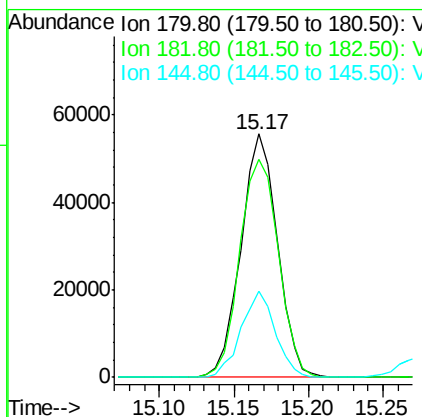
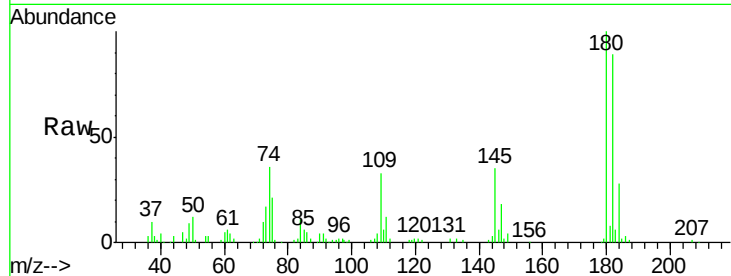
#93
 1,2,4-Trichlorobenzene
 Concen: 20.019 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD066576.D
 Acq: 09 Sep 2020 12:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0909SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	94110		
182	95.2	48.4	145.0	
145	33.3	16.7	50.0	

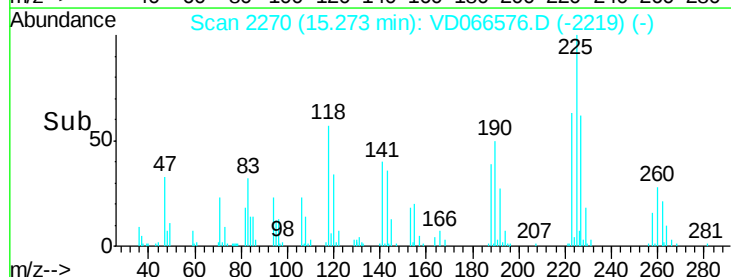
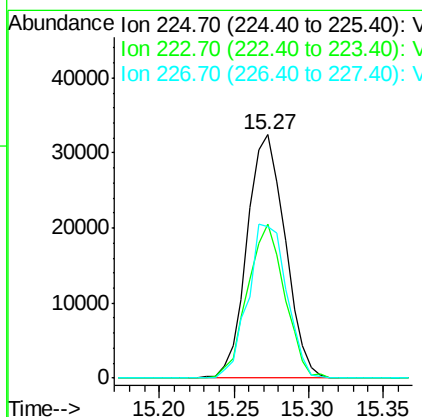
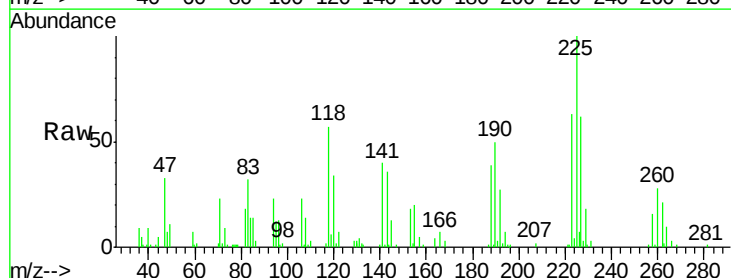
Manual Integrations
 APPROVED

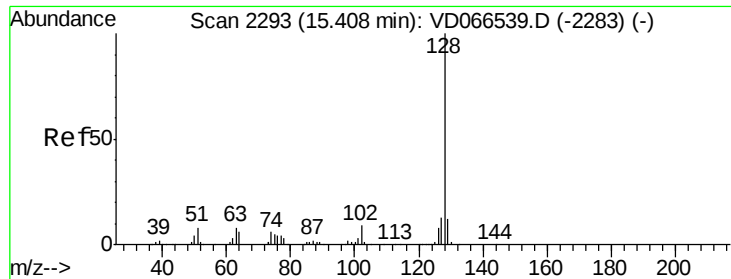
MMDadoda
 9/10/2020 10:46:47 AM



#94
 Hexachlorobutadiene
 Concen: 20.262 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD066576.D
 Acq: 09 Sep 2020 12:02

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	57223		
223	61.7	30.5	91.5	
227	64.1	32.4	97.2	





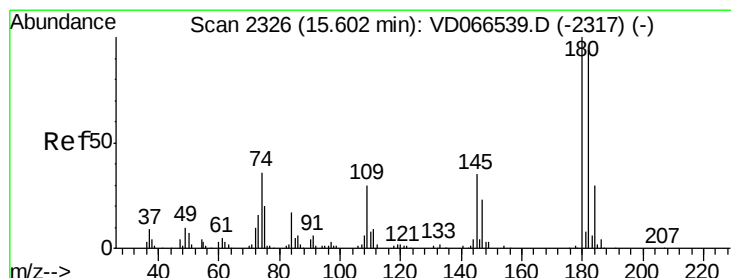
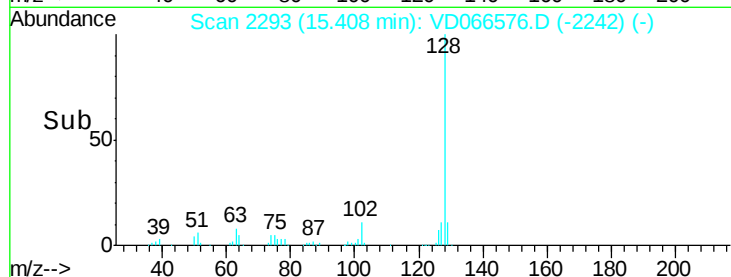
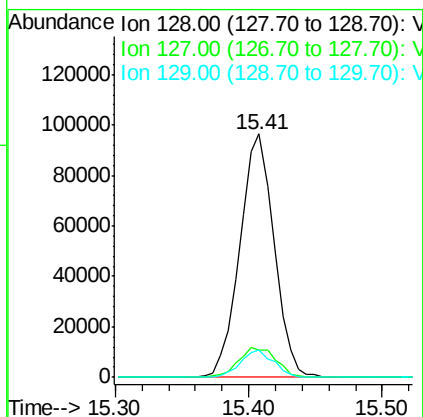
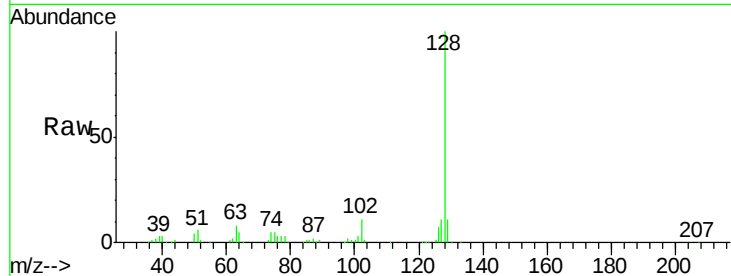
#95
Naphthalene
Concen: 20.810 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VD066576.D
Acq: 09 Sep 2020 12:02

Instrument :
MSVOA_D
ClientSampleId :
VD0909SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.7	16.1
129	10.9	9.1	13.7

Manual Integrations
APPROVED

MMDadoda
9/10/2020 10:46:47 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.537 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.00 min
Lab File: VD066576.D
Acq: 09 Sep 2020 12:02

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.9	143.6
145	35.2	17.3	51.7

