

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL011321\
 Data File : VL036216.D
 Acq On : 13 Jan 2021 6:24
 Operator : SY/AP
 Sample : VSTDIC015
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Manual Integrations
 APPROVED

MMDadoda
 1/18/2021 3:49:01 PM

Quant Time: Jan 14 16:08:59 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL011321AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jan 13 2021
 QLast Update : Wed Jan 13 05:46:16 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1517477	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3407171	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3321852	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2717176	10.20	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	2367072	13.286	ppbv	100
3) Chlorodifluoromethane	2.98	51	2518052	14.504	ppbv	98
4) Chloromethane	3.13	50	1245934	14.584	ppbv	96
5) Vinyl Chloride	3.25	62	1222702	12.986	ppbv	96
6) Bromomethane	3.47	94	666851	13.836	ppbv	98
7) Chloroethane	3.55	64	426552	13.451	ppbv	94
8) Dichlorotetrafluoroethane	3.18	85	2491913	12.861	ppbv	99
9) Propene	3.00	41	1181105	13.710	ppbv	97
10) Heptane	8.12	43	2960102	13.472	ppbv	99
11) Trichlorofluoromethane	3.94	101	2698597	13.208	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1691690	12.402	ppbv	100
13) Ethanol	3.60	45	167541	14.042	ppbv	85
14) Bromoethene	3.74	108	774084	13.692	ppbv	96
15) Acetone	3.84	43	2285611	12.727	ppbv	97
16) 1,3-Butadiene	3.32	39	1245219	13.737	ppbv	100
17) tert-Butyl alcohol	4.29	59	1673617m	9.899	ppbv	
18) 1,1-Dichloroethene	4.28	96	786879	12.987	ppbv	93
19) Isopropyl Alcohol	3.96	45	1182749	10.779	ppbv #	98
20) Methylene Chloride	4.34	84	690227	9.592	ppbv	96
21) Allyl Chloride	4.40	41	1393131	11.965	ppbv	95
22) trans-1,2-Dichloroethene	4.88	96	765656	12.701	ppbv	97
23) Vinyl Acetate	5.07	43	3214059	13.460	ppbv	99
24) 1,1-Dichloroethane	5.01	63	2209085	13.151	ppbv	99
25) Ethyl Acetate	5.67	43	4910783	13.663	ppbv	100
26) Hexane	5.68	57	1957270	12.107	ppbv	100
27) Carbon Disulfide	4.54	76	2002710	12.888	ppbv	99
28) Methyl tert-Butyl Ether	5.03	73	2820261	12.551	ppbv	97
29) Chloroform	5.75	83	3030502	14.151	ppbv	93
30) Cyclohexane	7.12	84	1647768	13.655	ppbv	99
31) cis-1,2-Dichloroethene	5.55	61	2116811	14.302	ppbv	97
32) 1,1,1-Trichloroethane	6.51	97	3018068	13.660	ppbv	99
34) 2-Butanone	5.24	43	3190106	13.945	ppbv	98
35) Carbon Tetrachloride	7.02	117	2991319	15.049	ppbv	99
36) Benzene	6.89	78	4098980	14.131	ppbv	97
37) 1,2-Dichloroethane	6.30	62	2579254	15.256	ppbv	100
38) Trichloroethene	7.83	130	1316461	12.290	ppbv	96
39) 1,2-Dichloropropane	7.61	63	1700817	14.808	ppbv	95
40) 1,4-Dioxane	7.83	88	476199	13.155	ppbv #	31
41) Tetrahydrofuran	6.04	42	1972841	14.705	ppbv	97
42) Bromodichloromethane	7.79	83	3313549	14.842	ppbv	97
43) Methyl Methacrylate	8.01	69	1884617	15.141	ppbv	99

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Manual Integrations
 APPROVED

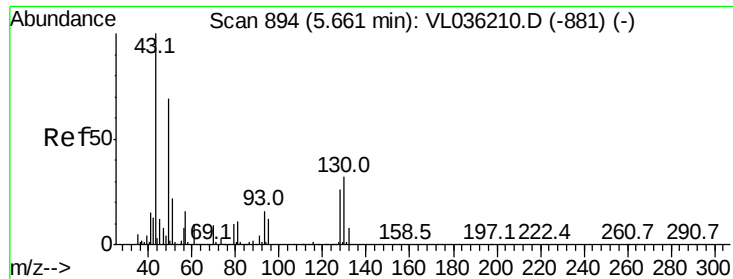
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 1/18/2021 3:49:01 PM

Quant Time: Jan 14 16:08:59 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL011321AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jan 13 18:08:59 2021
 QLast Update : Wed Jan 13 05:46:16 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) 2,2,4-Trimethylpentane	7.87	57	6884300	13.156	ppbv	98
45) t-1,3-Dichloropropene	9.28	75	2127987	16.715	ppbv	95
46) cis-1,3-Dichloropropene	8.70	75	2472525	15.391	ppbv	99
47) 1,1,2-Trichloroethane	9.47	97	1577359	14.240	ppbv	94
48) Dibromochloromethane	10.31	129	2619712	15.796	ppbv	100
49) Bromoform	13.05	173	2184737	16.664	ppbv	100
50) 4-Methyl-2-Pentanone	8.74	43	4933410	14.498	ppbv	100
51) 2-Hexanone	10.13	43	4235271	15.707	ppbv #	100
52) Tetrachloroethene	11.22	164	1298165	12.451	ppbv	99
53) Toluene	9.80	91	4520017	13.892	ppbv	97
54) 1,2-Dibromoethane	10.61	107	2403743	14.480	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.12	131	1884458	13.693	ppbv #	69
57) Chlorobenzene	12.15	112	3136870	13.391	ppbv	96
58) Ethyl Benzene	12.71	91	6087161	13.284	ppbv	100
59) m/p-Xylene	13.00	91	10002456m	25.964	ppbv	
60) o-Xylene	13.69	91	4664154	12.826	ppbv	99
61) Styrene	13.53	104	3498890	14.827	ppbv	99
62) Isopropylbenzene	14.67	105	7027060	12.990	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.68	83	3314626	13.423	ppbv	99
64) n-propylbenzene	15.56	120	1851084	14.135	ppbv	94
65) tert-Butylbenzene	16.75	119	5908489	13.281	ppbv	99
66) Benzyl Chloride	16.99	91	2296573	20.121	ppbv	99
67) sec-Butylbenzene	17.30	105	8465818	13.465	ppbv	99
69) p-Isopropyltoluene	17.66	119	7011920	14.007	ppbv	99
70) n-Butylbenzene	18.55	91	7504640	14.903	ppbv	99
71) 2-Chlorotoluene	15.45	91	5665314	13.710	ppbv	99
72) 4-Ethyltoluene	15.84	105	5647754	14.161	ppbv	99
73) 1,3,5-Trimethylbenzene	16.00	105	5288020	13.853	ppbv	98
74) 1,2,4-Trimethylbenzene	16.77	105	5161094	13.481	ppbv	97
75) 1,3-Dichlorobenzene	17.00	146	2898848	15.003	ppbv	99
76) 1,4-Dichlorobenzene	17.14	146	2925226	14.870	ppbv	100
77) 1,2-Dichlorobenzene	17.82	146	2889695	15.434	ppbv	99
78) Hexachloro-1,3-Butadiene	23.38	225	2139511	14.469	ppbv	99
79) Naphthalene	22.20	128	4236197	20.673	ppbv	96
80) Naphthalene, 2-methyl-	24.98	142	1236134	29.527	ppbv	96
81) 1,2,4-Trichlorobenzene	21.93	180	2218726m	17.045	ppbv	

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



#1

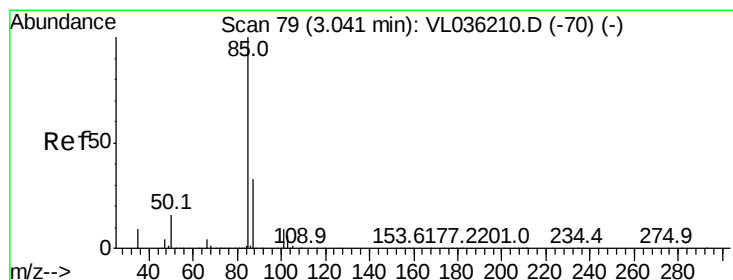
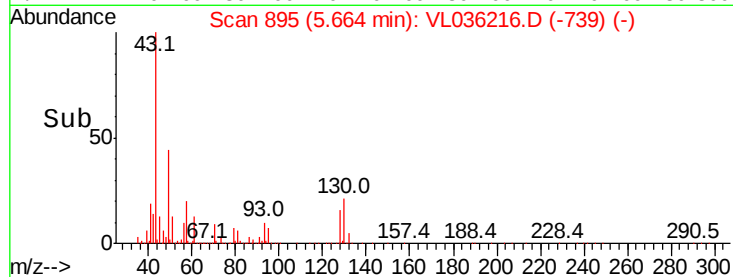
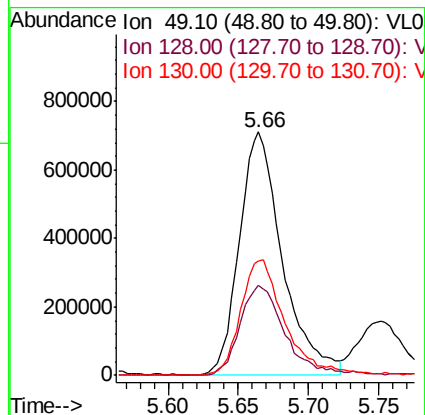
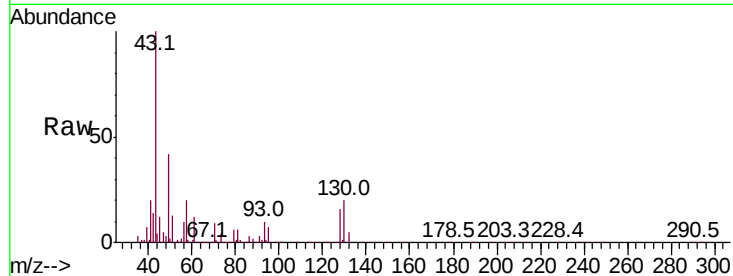
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 Concen: 10.000 ppbv
 RT: 5.66 min Scan# 895
 Delta R.T. 0.00 min
 Lab File: VL036216.D
 Acq: 13 Jan 2021 6:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion: 49 Resp: 1517477
 Ion Ratio Lower Upper
 49 100
 128 39.5 20.1 60.2
 130 49.9 25.3 75.9

Manual Integrations
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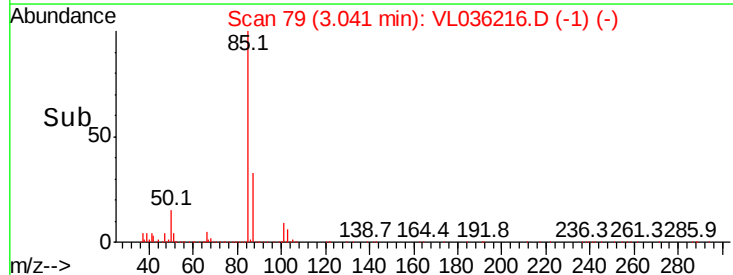
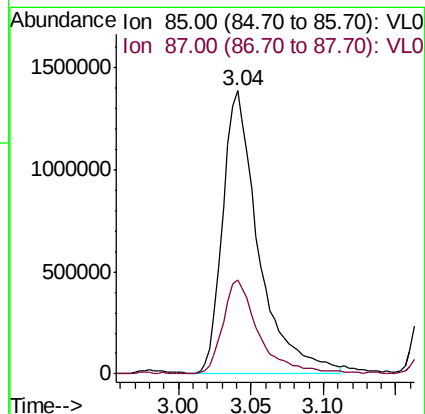
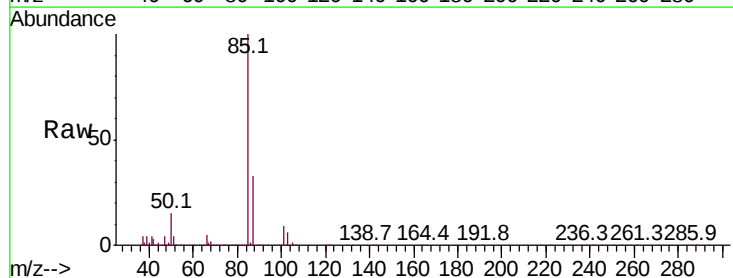
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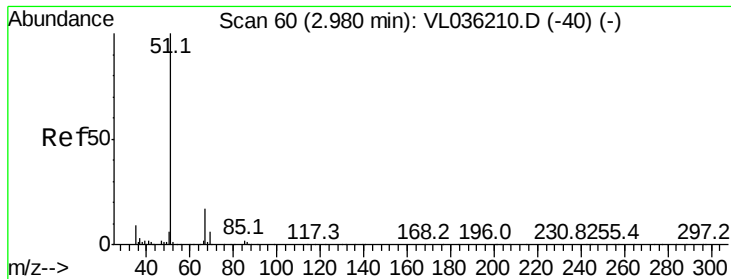


#2

Dichlorodifluoromethane
 Concen: 13.286 ppbv
 RT: 3.04 min Scan# 79
 Delta R.T. -0.00 min
 Lab File: VL036216.D
 Acq: 13 Jan 2021 6:24

Tgt Ion: 85 Resp: 2367072
 Ion Ratio Lower Upper
 85 100
 87 33.2 26.4 39.6





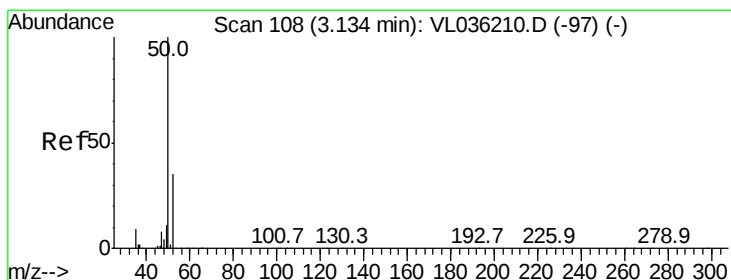
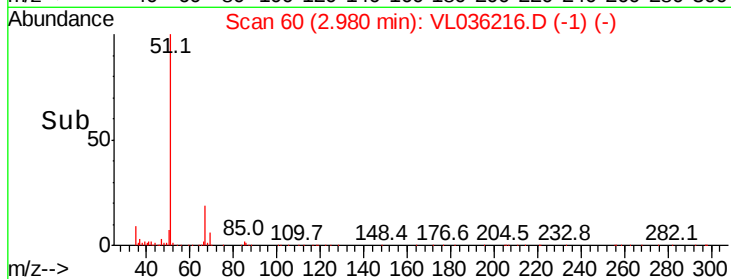
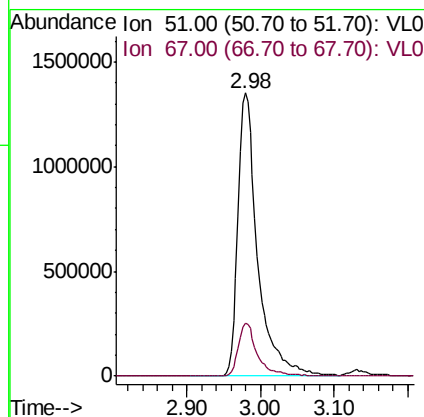
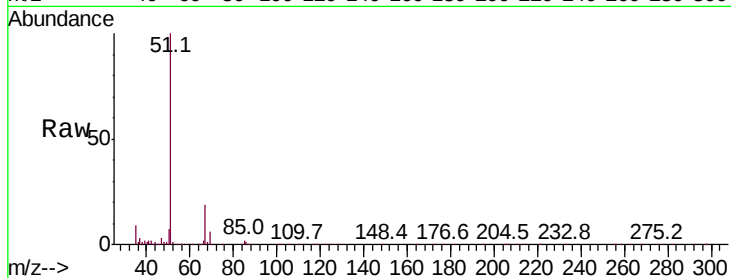
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Chlorodifluoromethane
Concen: 14.504 ppbv
RT: 2.98 min Scan# 60
Delta R.T. -0.00 min
Lab File: VL036216.D
Acq: 13 Jan 2021 6:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion: 51 Resp: 2518052
Ion Ratio Lower Upper
51 100
67 18.4 14.0 21.0

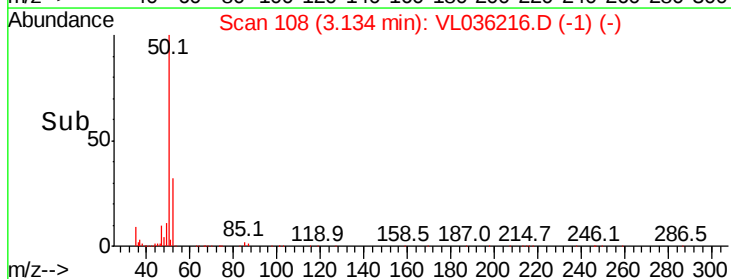
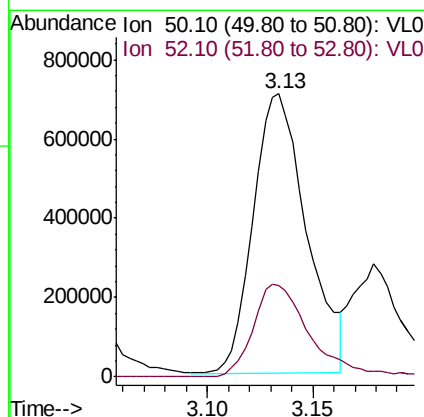
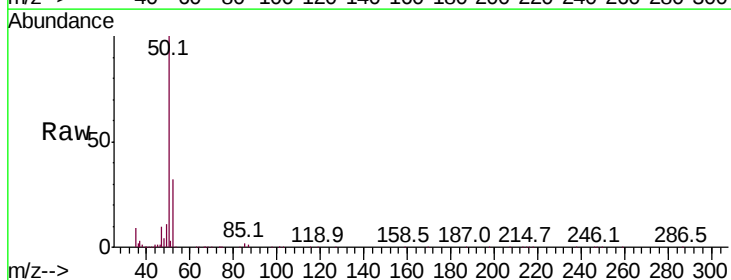
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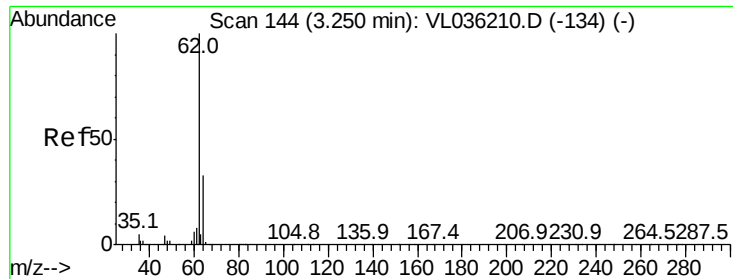
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#4
Chloromethane
Concen: 14.584 ppbv
RT: 3.13 min Scan# 108
Delta R.T. -0.00 min
Lab File: VL036216.D
Acq: 13 Jan 2021 6:24

Tgt Ion: 50 Resp: 1245934
Ion Ratio Lower Upper
50 100
52 32.7 27.8 41.8





#5

Vinyl Chloride

Concen: 12.986 ppbv

RT: 3.25 min Scan# 143

Delta R.T. -0.00 min

Lab File: VL036216.D

Acq: 13 Jan 2021 6:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 62 Resp: 1222702

Ion Ratio Lower Upper

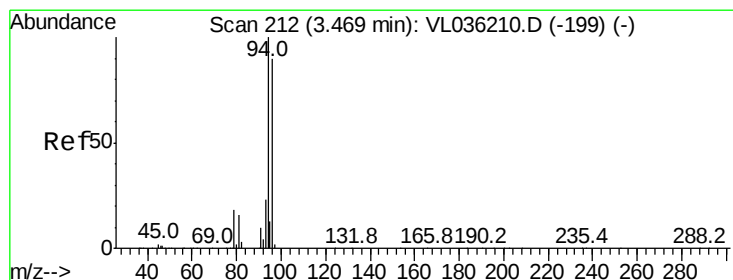
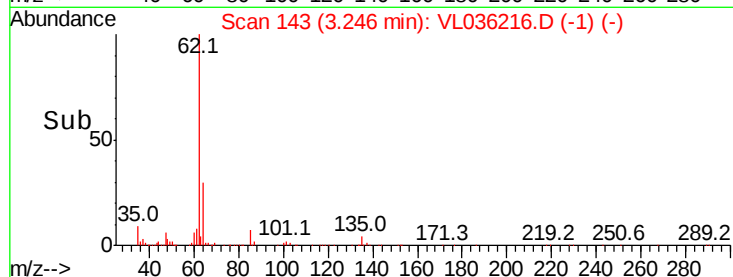
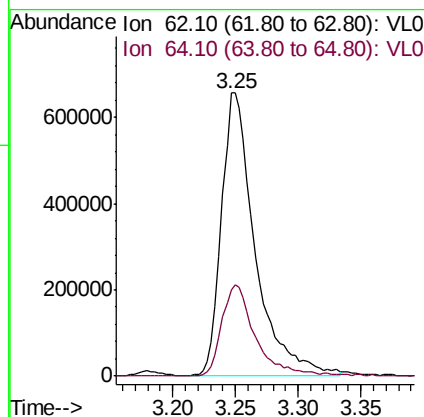
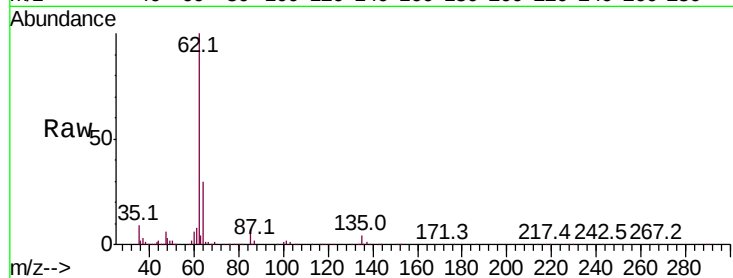
62 100

64 30.3 26.2 39.2

Manual Integrations
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#6

Bromomethane

Concen: 13.836 ppbv

RT: 3.47 min Scan# 211

Delta R.T. -0.00 min

Lab File: VL036216.D

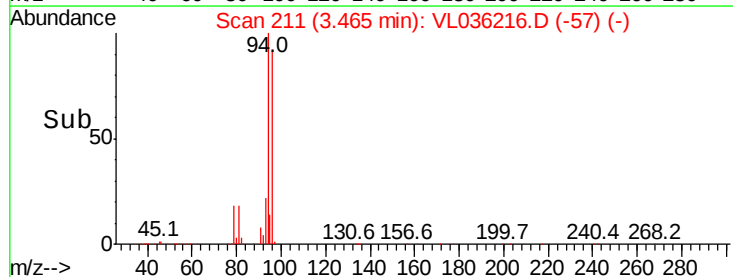
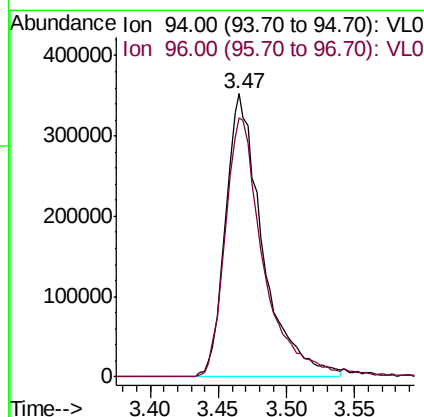
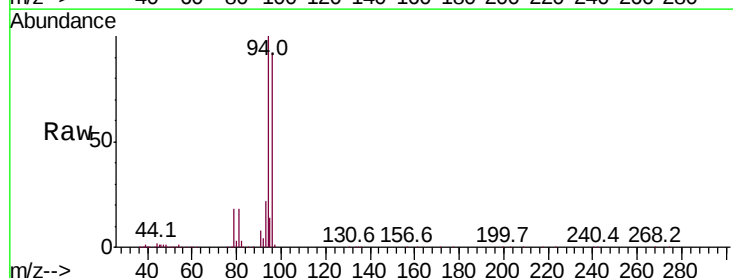
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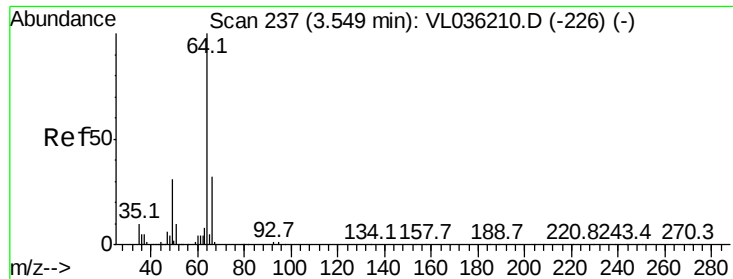
Tgt Ion: 94 Resp: 666851

Ion Ratio Lower Upper

94 100

96 91.6 71.9 107.9





#7

Chloroethane

Concen: 13.451 ppbv

RT: 3.55 min Scan# 237

Delta R.T. -0.00 min

Lab File: VL036216.D

Acq: 13 Jan 2021 6:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 64 Resp: 426552

Ion Ratio Lower Upper

64 100

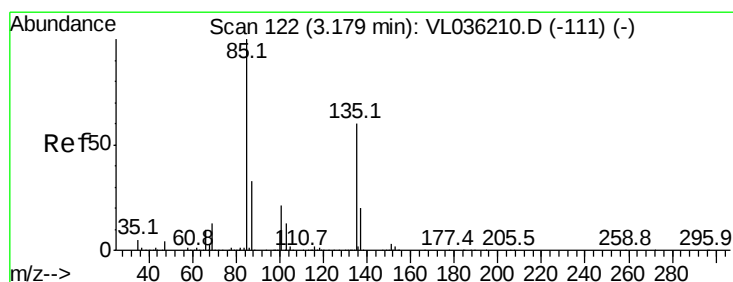
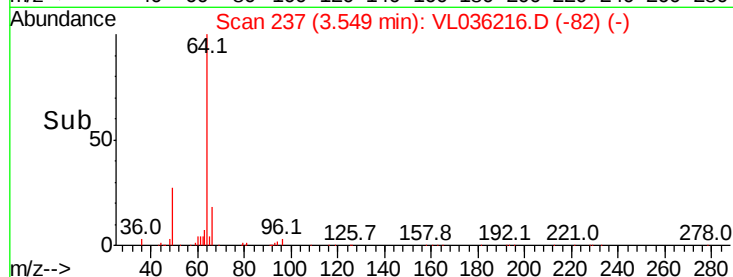
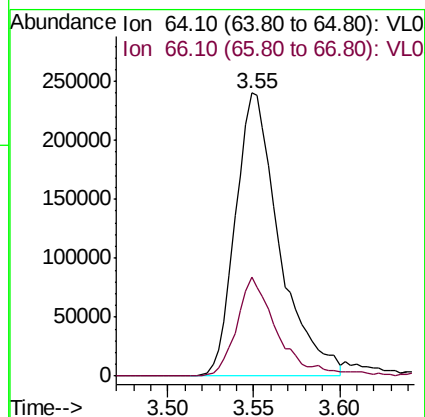
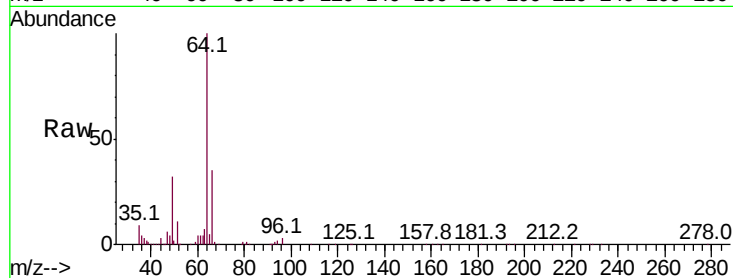
66 35.1 25.2 37.8

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 12.861 ppbv

RT: 3.18 min Scan# 122

Delta R.T. -0.00 min

Lab File: VL036216.D

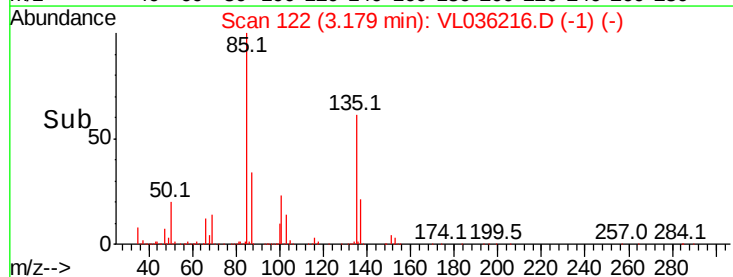
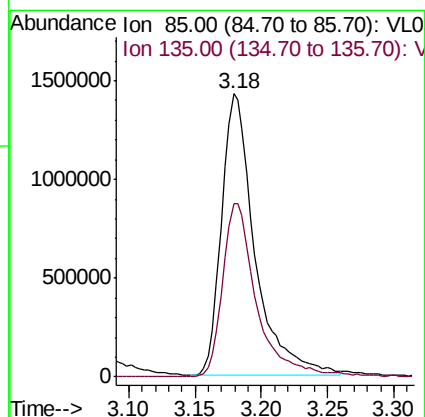
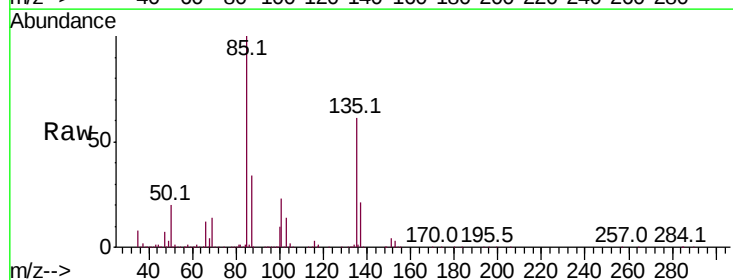
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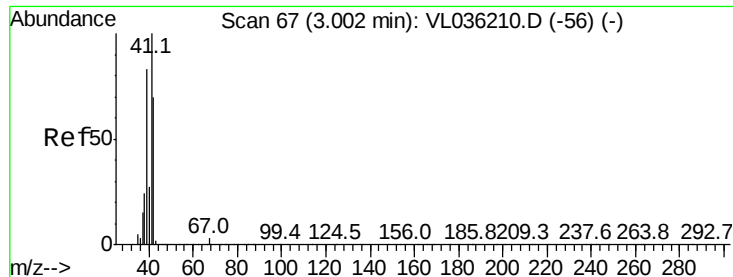
Tgt Ion: 85 Resp: 2491913

Ion Ratio Lower Upper

85 100

135 63.9 51.5 77.3





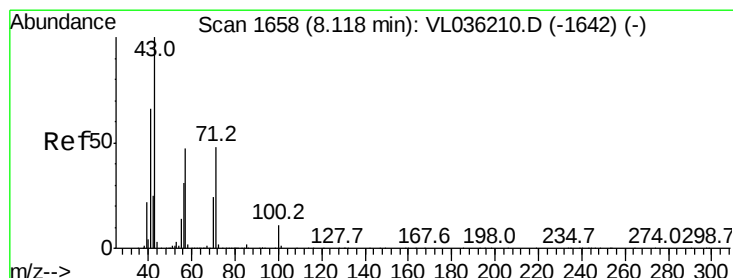
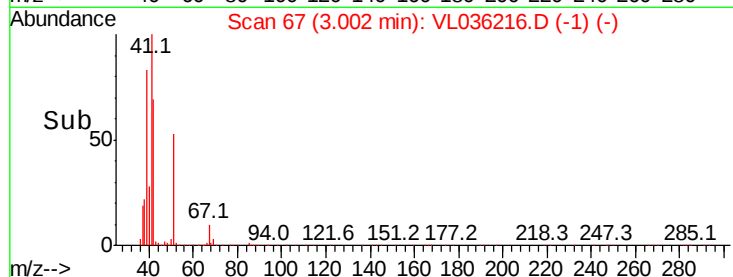
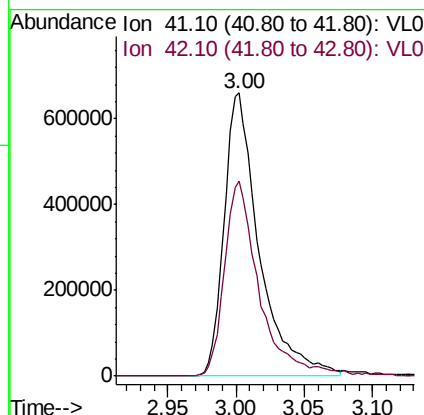
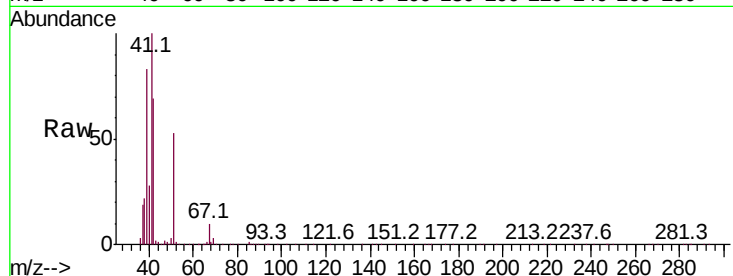
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Propene
Concen: 13.710 ppbv
RT: 3.00 min Scan# 67
Delta R.T. -0.00 min
Lab File: VL036216.D
Acq: 13 Jan 2021 6:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion: 41 Resp: 1181105
Ion Ratio Lower Upper
41 100
42 69.2 57.1 85.7

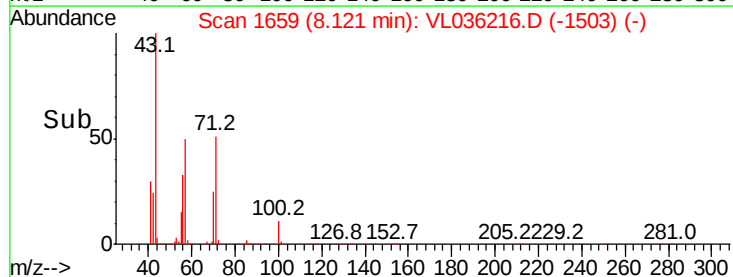
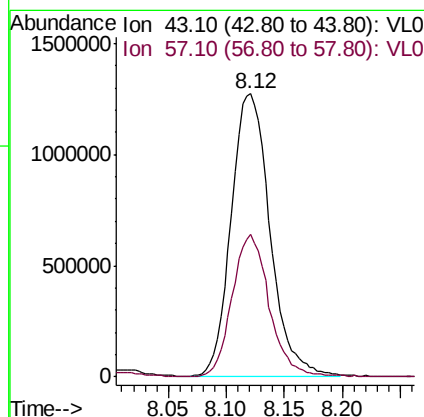
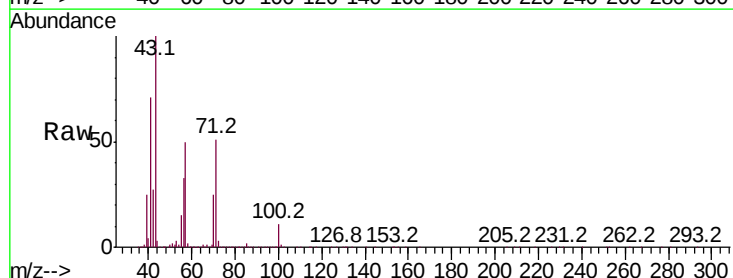
Manual Integrations
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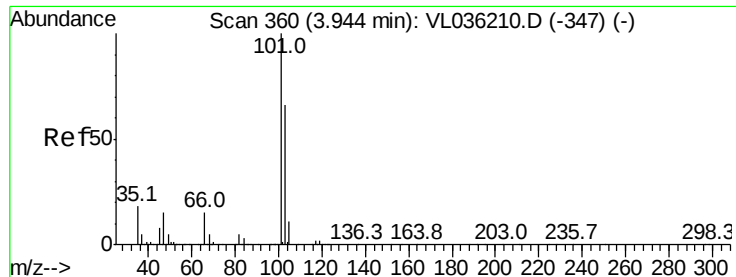
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#10
Heptane
Concen: 13.472 ppbv
RT: 8.12 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VL036216.D
Acq: 13 Jan 2021 6:24

Tgt Ion: 43 Resp: 2960102
Ion Ratio Lower Upper
43 100
57 48.4 38.1 57.1





#11

Trichlorofluoromethane

Concen: 13.208 ppbv

RT: 3.94 min Scan# 360

Delta R.T. -0.00 min

Lab File: VL036216.D

Acq: 13 Jan 2021 6:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion:101 Resp: 2698597

Ion Ratio Lower Upper

101 100

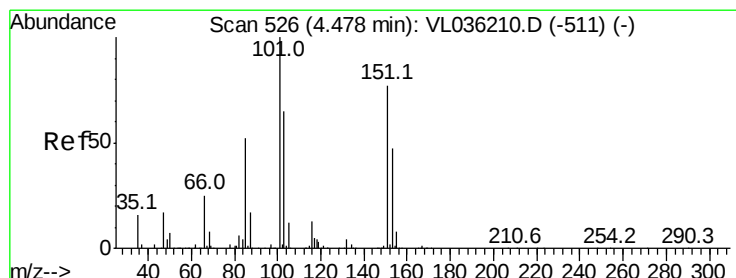
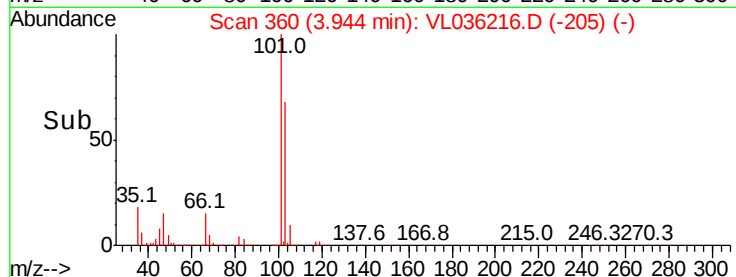
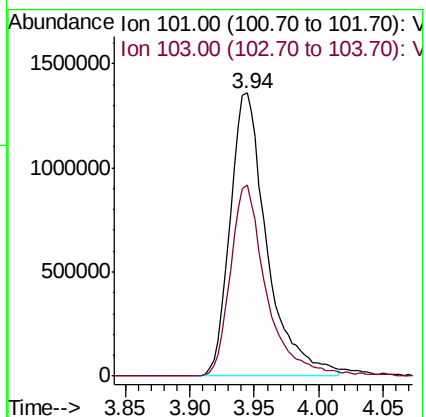
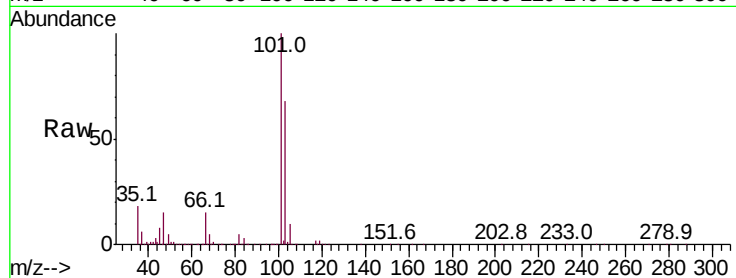
103 67.6 52.6 78.8

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#12

1,1,2-Trichlorotrifluoroethane

Concen: 12.402 ppbv

RT: 4.48 min Scan# 526

Delta R.T. -0.00 min

Lab File: VL036216.D

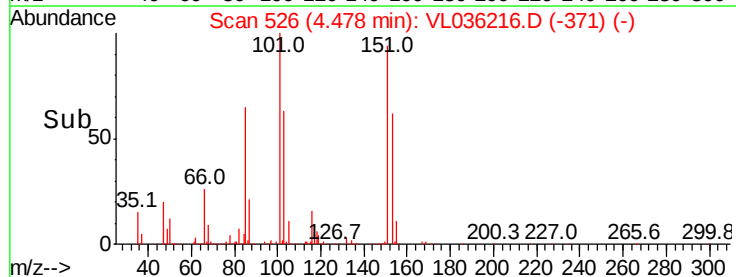
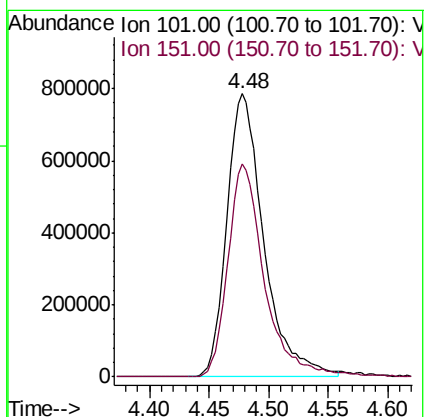
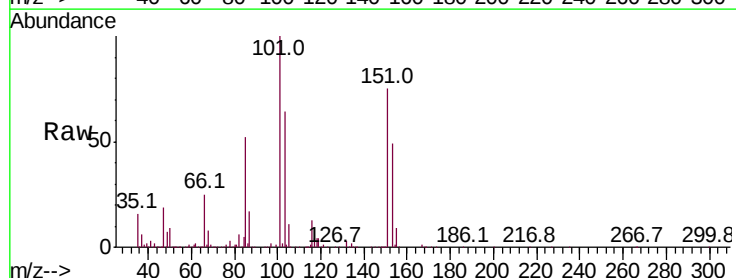
Acq: 13 Jan 2021 6:24

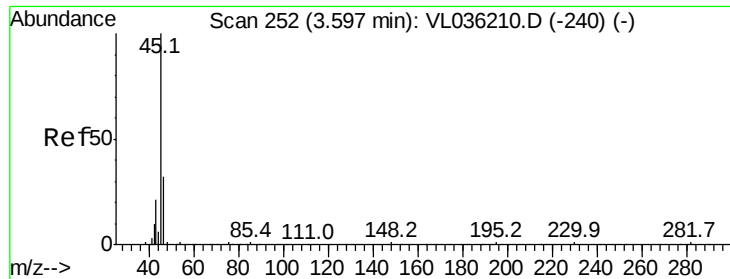
Tgt Ion:101 Resp: 1691690

Ion Ratio Lower Upper

101 100

151 74.7 59.8 89.6





#13

Ethanol

Concen: 14.042 ppbv

RT: 3.60 min Scan# 252

Delta R.T. -0.00 min

Lab File: VL036216.D

Acq: 13 Jan 2021 6:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 45 Resp: 167541

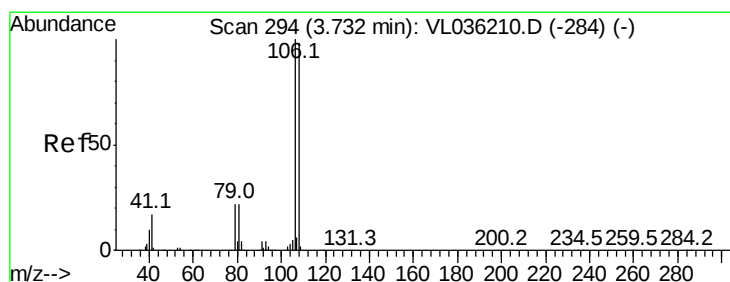
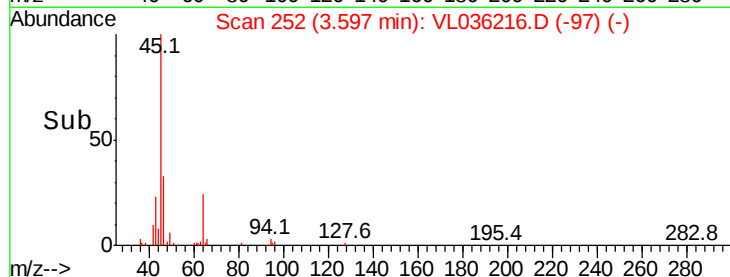
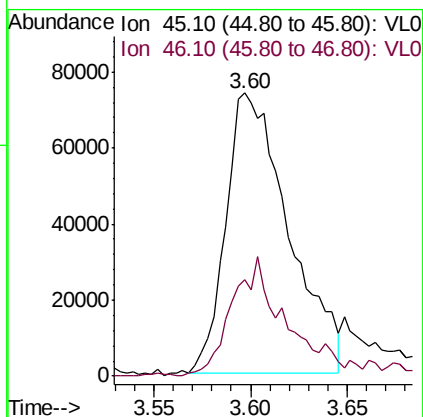
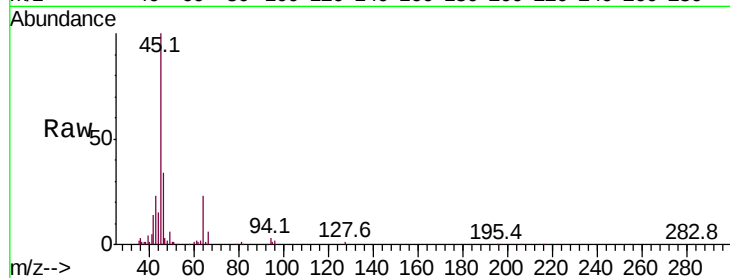
Ion Ratio Lower Upper

45 100

46 38.3 19.2 77.0

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#14

Bromoethene

Concen: 13.692 ppbv

RT: 3.74 min Scan# 295

Delta R.T. 0.00 min

Lab File: VL036216.D

Acq: 13 Jan 2021 6:24

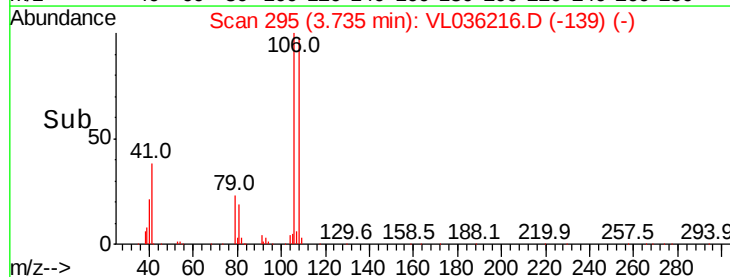
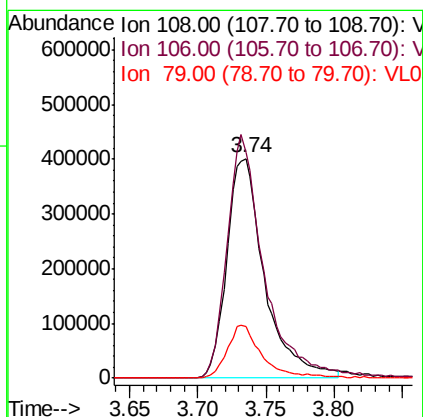
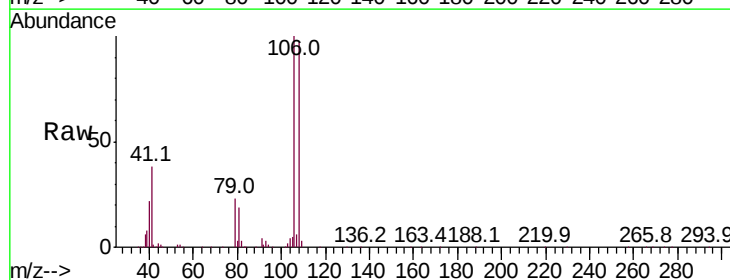
Tgt Ion: 108 Resp: 774084

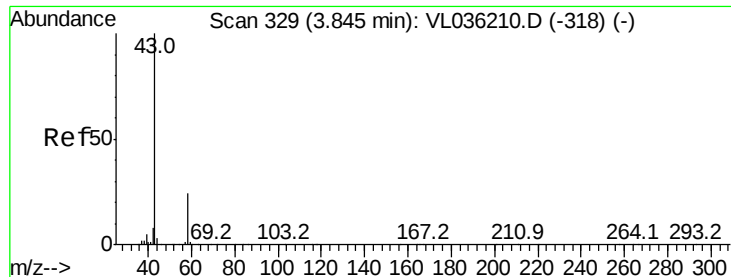
Ion Ratio Lower Upper

108 100

106 109.7 91.4 137.2

79 22.9 18.3 27.5





#15

Acetone

Concen: 12.727 ppbv

RT: 3.84 min Scan# 329

Delta R.T. -0.00 min

Lab File: VL036216.D

Acq: 13 Jan 2021 6:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 43 Resp: 2285611

Ion Ratio Lower Upper

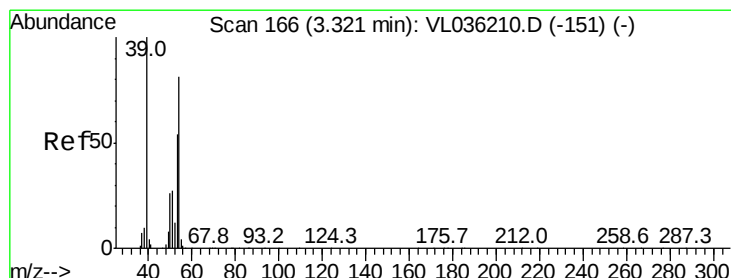
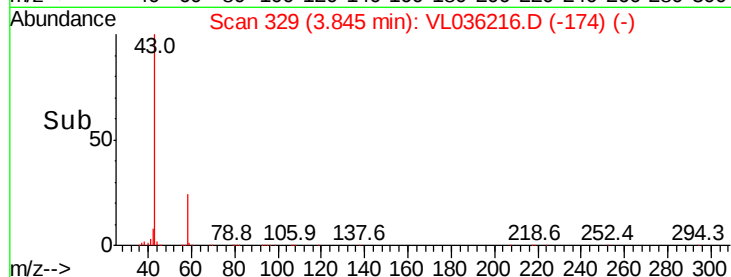
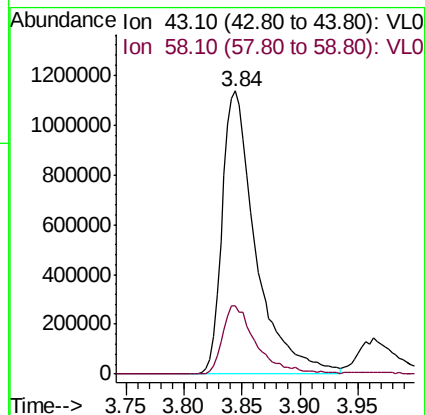
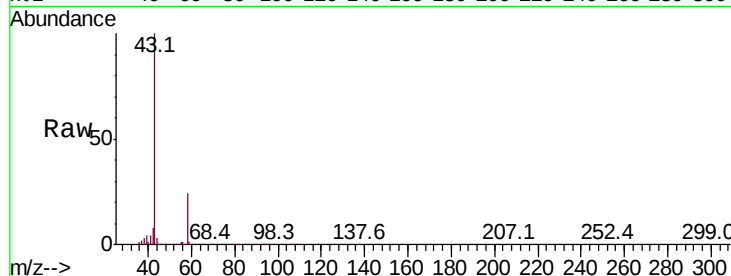
43 100

58 24.5 20.9 31.3

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#16

1,3-Butadiene

Concen: 13.737 ppbv

RT: 3.32 min Scan# 166

Delta R.T. -0.00 min

Lab File: VL036216.D

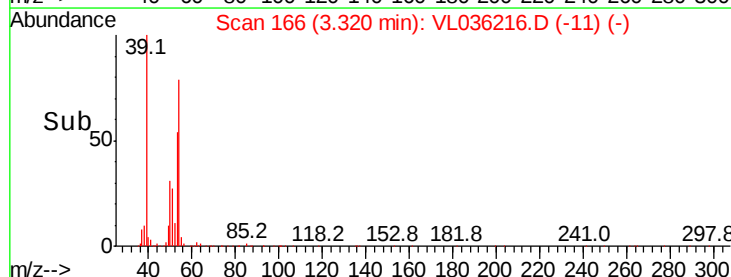
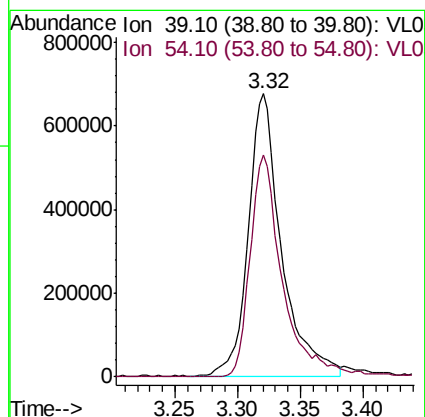
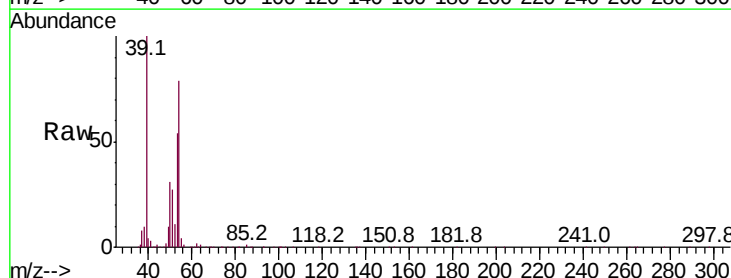
Acq: 13 Jan 2021 6:24

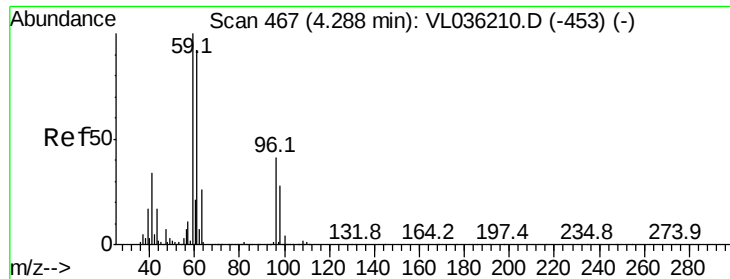
Tgt Ion: 39 Resp: 1245219

Ion Ratio Lower Upper

39 100

54 77.9 62.5 93.7





#17

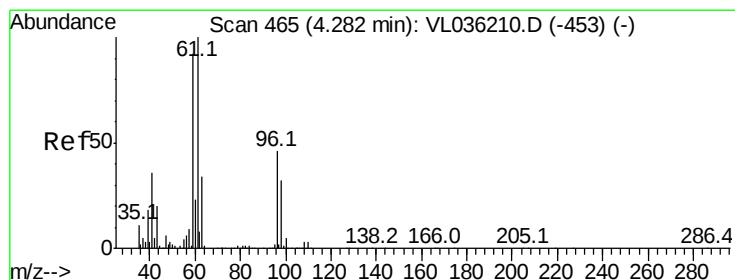
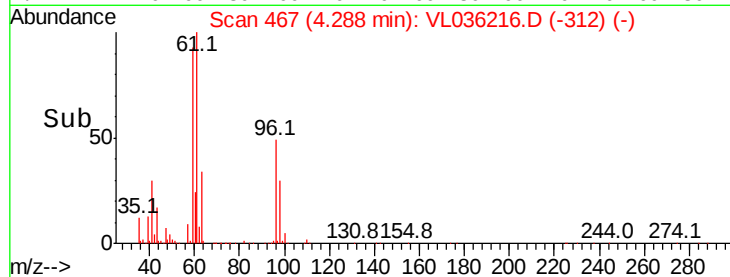
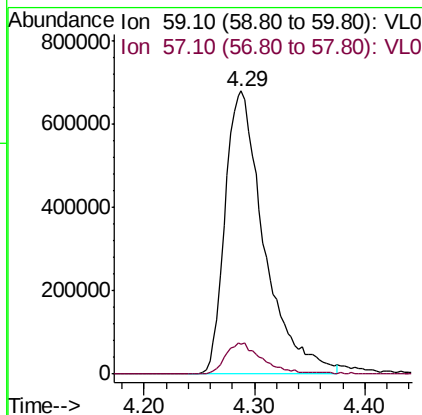
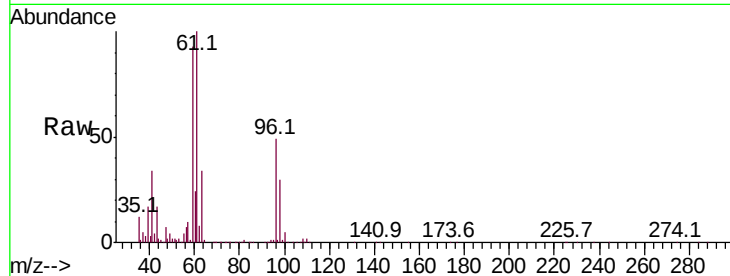
tert-Butyl alcohol
Concen: 9.899 ppbv
RT: 4.29 min Scan# 467
Delta R.T. -0.00 min
Lab File: VL036216.D
Acq: 13 Jan 2021 6:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion: 59 Resp: 1673617
Ion Ratio Lower Upper
59 100
57 11.1 9.2 13.8

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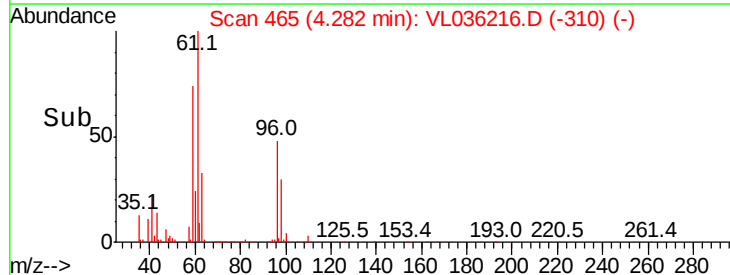
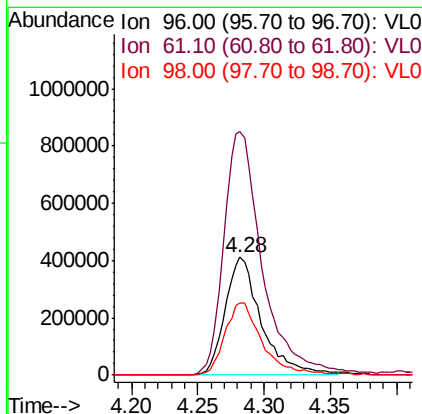
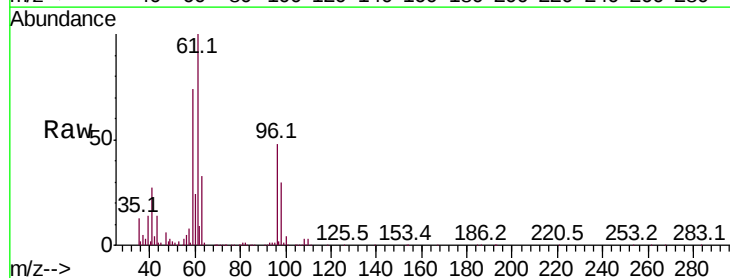
MMDadoda
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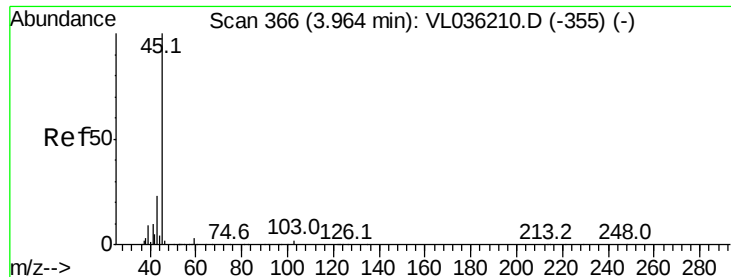


#18

1,1-Dichloroethene
Concen: 12.987 ppbv
RT: 4.28 min Scan# 465
Delta R.T. -0.00 min
Lab File: VL036216.D
Acq: 13 Jan 2021 6:24

Tgt Ion: 96 Resp: 786879
Ion Ratio Lower Upper
96 100
61 206.3 173.4 260.0
98 61.0 54.9 82.3





#19

Isopropyl Alcohol

Concen: 10.779 ppbv

RT: 3.96 min Scan# 366

Delta R.T. -0.00 min

Lab File: VL036216.D

Acq: 13 Jan 2021 6:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 45 Resp: 1182749

Ion Ratio Lower Upper

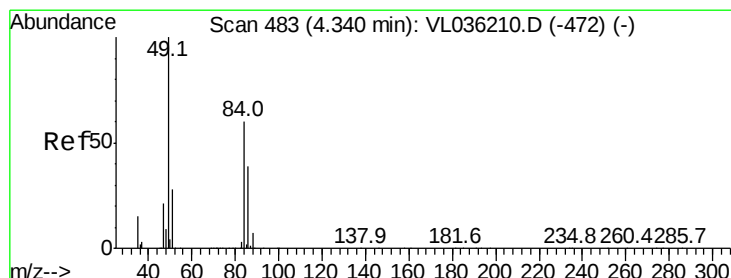
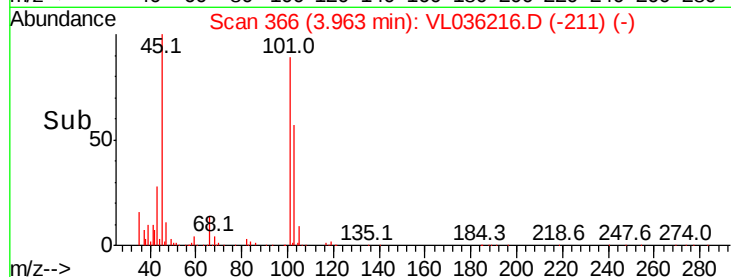
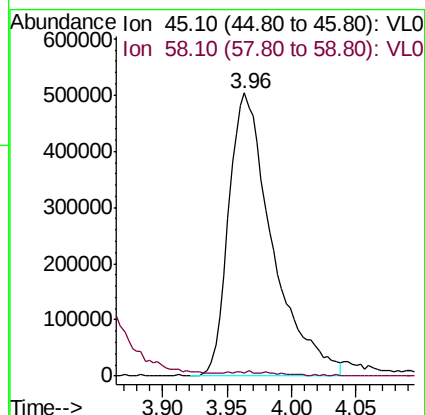
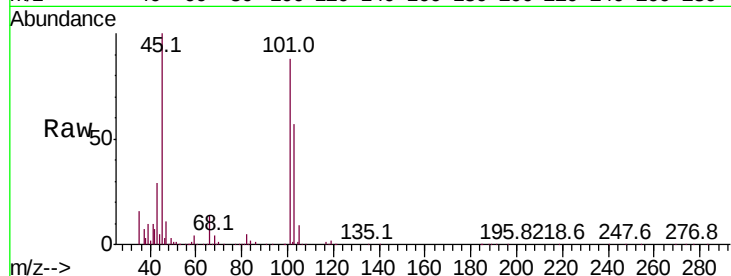
45 100

58 1.9 1.9 2.9#

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#20

Methylene Chloride

Concen: 9.592 ppbv

RT: 4.34 min Scan# 482

Delta R.T. -0.00 min

Lab File: VL036216.D

Acq: 13 Jan 2021 6:24

Tgt Ion: 84 Resp: 690227

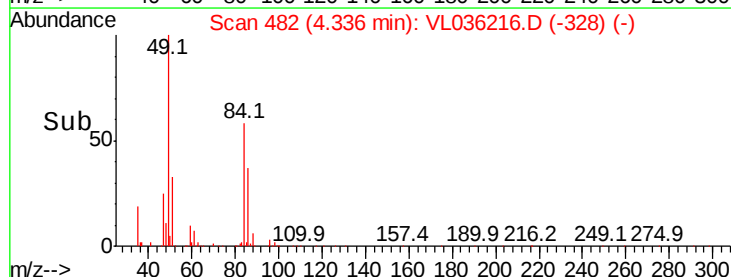
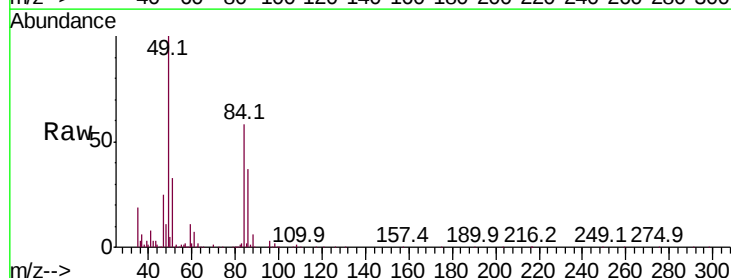
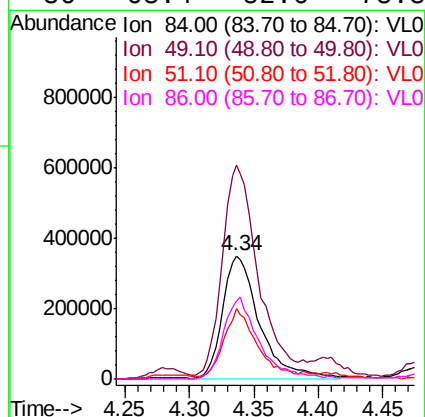
Ion Ratio Lower Upper

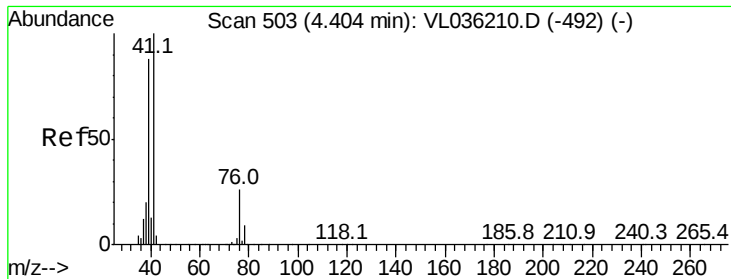
84 100

49 170.7 134.1 201.1

51 54.4 37.4 56.0

86 63.4 52.6 78.8





#21

Allvl Chloride

Concen: 11.965 ppbv

RT: 4.40 min Scan# 503

Delta R.T. -0.00 min

Lab File: VL036216.D

Acq: 13 Jan 2021 6:24

Instrument :

MSVOA_L

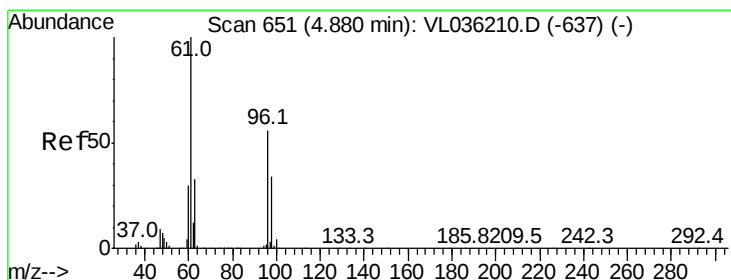
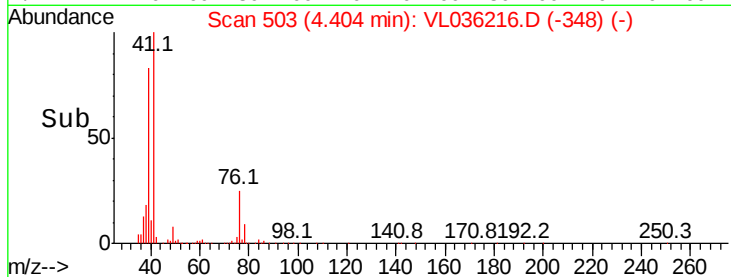
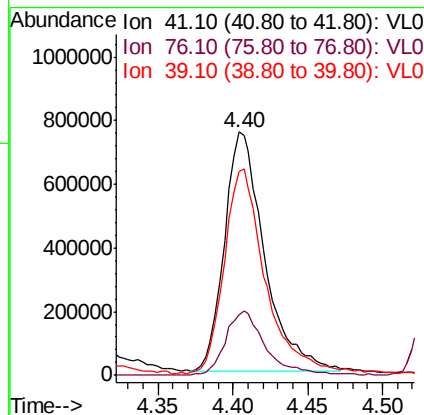
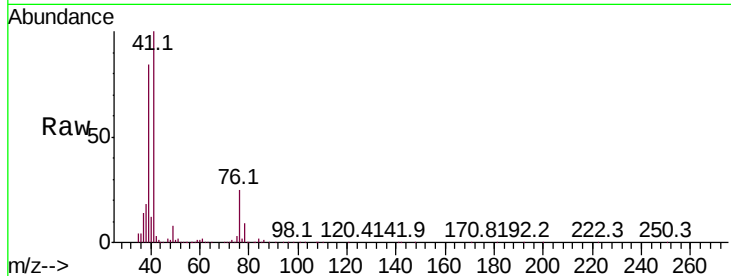
ClientSampleId :

VSTDIC015

Tot Ion:	41	Resp:	1393131
Ion	Ratio	Lower	Upper
41	100		
76	27.3	20.5	30.7
39	89.7	67.8	101.8

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#22

trans-1,2-Dichloroethene

Concen: 12.701 ppbv

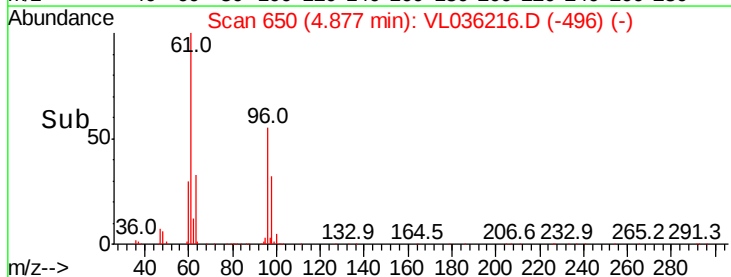
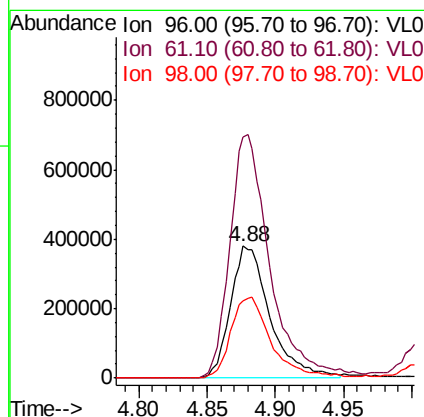
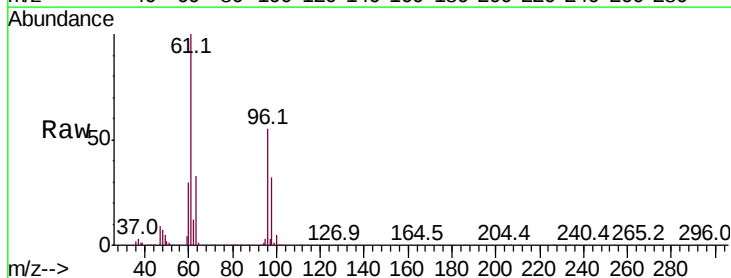
RT: 4.88 min Scan# 650

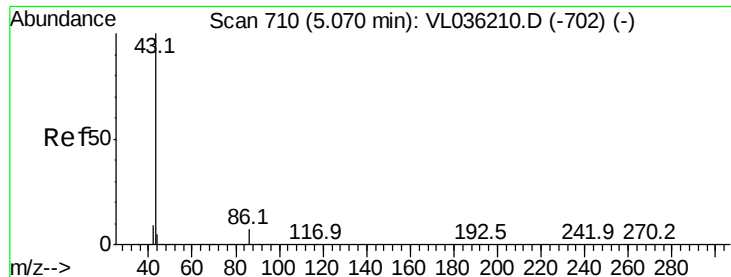
Delta R.T. -0.00 min

Lab File: VL036216.D

Acq: 13 Jan 2021 6:24

Tgt Ion:	96	Resp:	765656
Ion	Ratio	Lower	Upper
96	100		
61	182.8	142.7	214.1
98	59.0	48.7	73.1





#23

Vinyl Acetate

Concen: 13.460 ppbv

RT: 5.07 min Scan# 710

Delta R.T. -0.00 min

Lab File: VL036216.D

Acq: 13 Jan 2021 6:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 43 Resp: 3214059

Ion Ratio Lower Upper

43 100

86 6.3 4.9 7.3

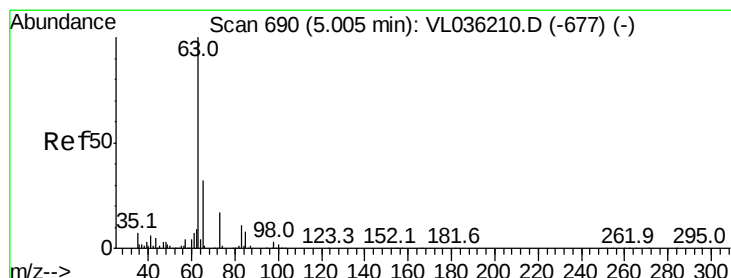
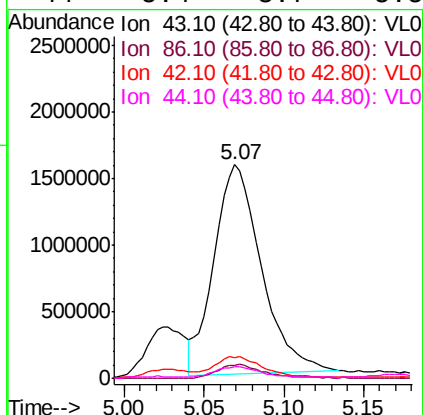
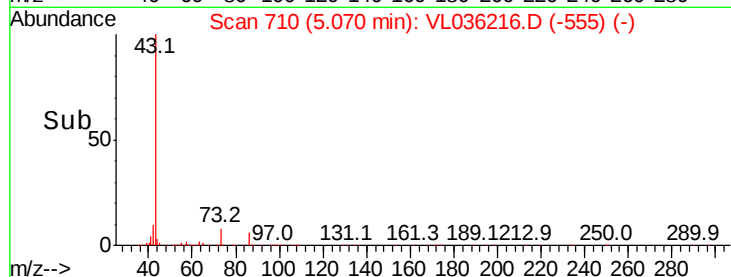
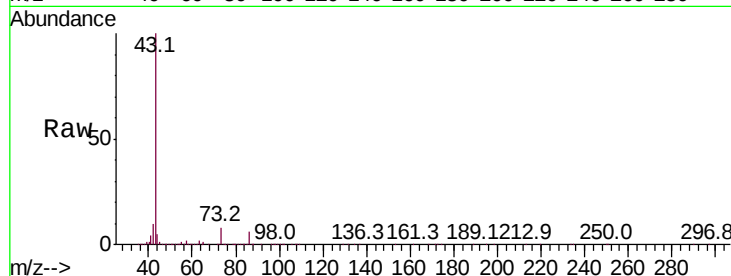
42 9.7 7.8 11.6

44 5.4 3.7 5.5

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 13.151 ppbv

RT: 5.01 min Scan# 690

Delta R.T. -0.00 min

Lab File: VL036216.D

Acq: 13 Jan 2021 6:24

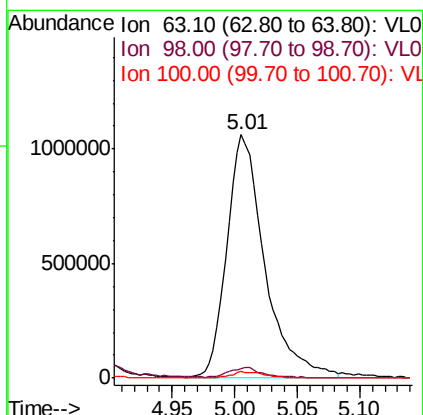
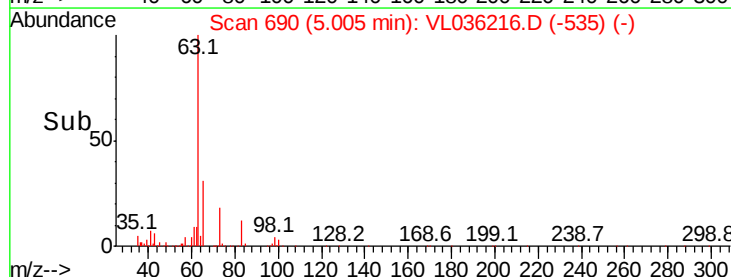
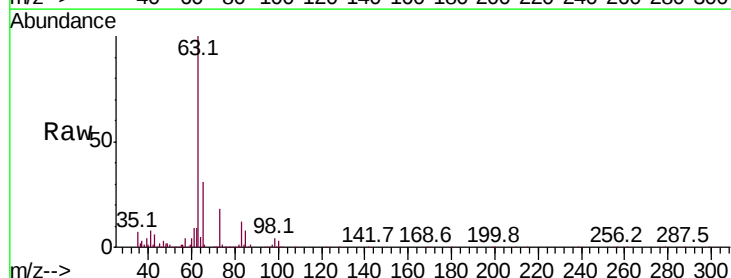
Tgt Ion: 63 Resp: 2209085

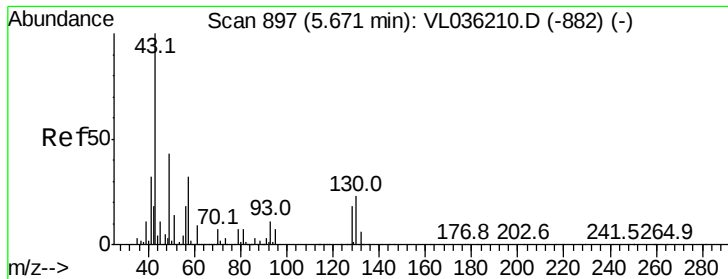
Ion Ratio Lower Upper

63 100

98 3.8 1.7 5.1

100 2.7 1.1 3.1





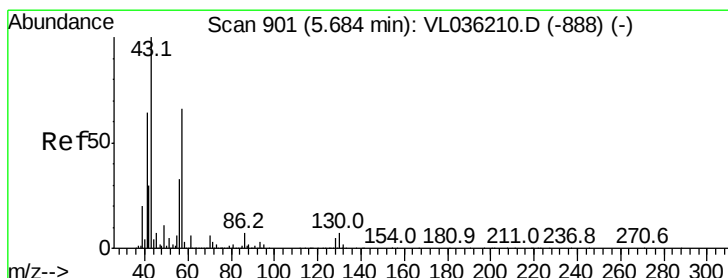
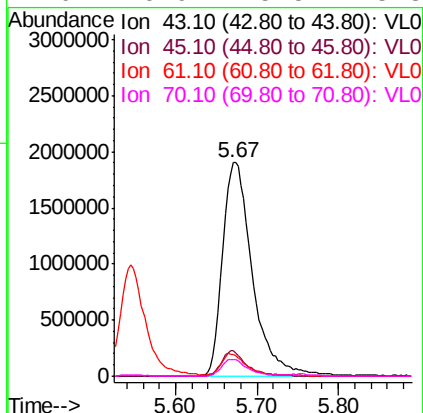
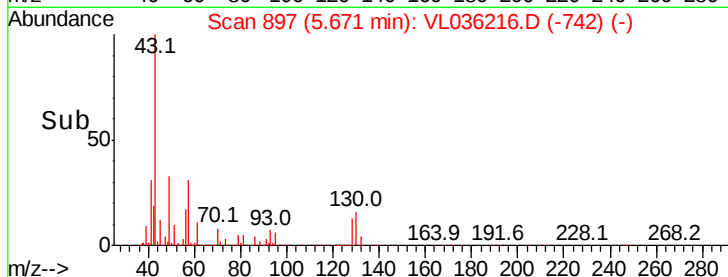
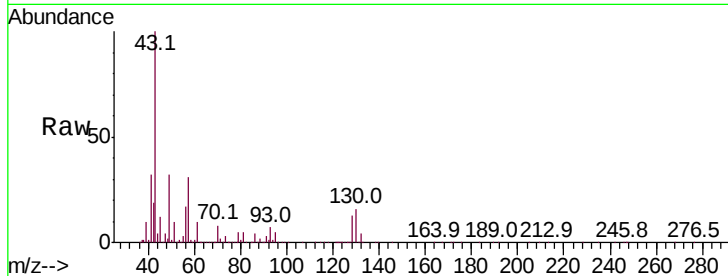
#25
Ethyl Acetate
Concen: 13.663 ppbv
RT: 5.67 min Scan# 897
Delta R.T. -0.00 min
Lab File: VL036216.D
Acq: 13 Jan 2021 6:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion	43	Ratio	Lower	Upper
43	100			
45	10.3		8.3	12.5
61	9.5		7.4	11.2
70	6.9		5.5	8.3

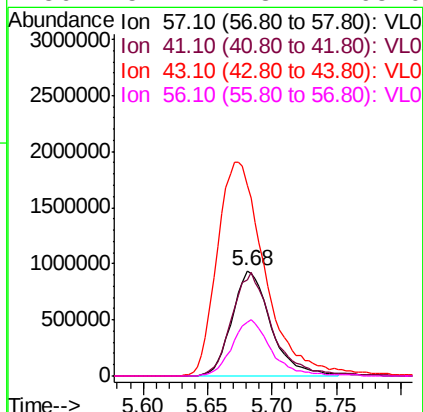
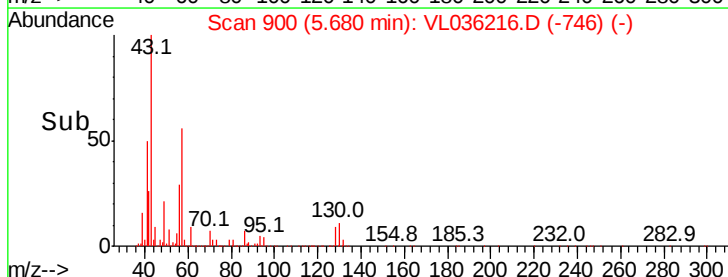
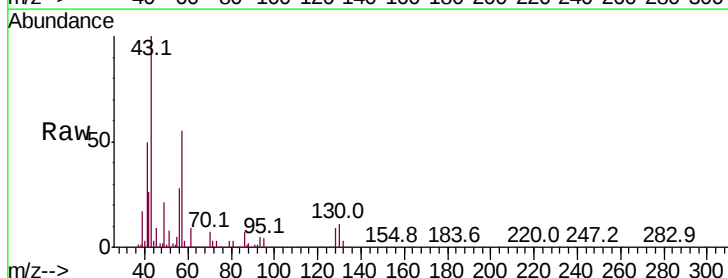
Manual Integrations
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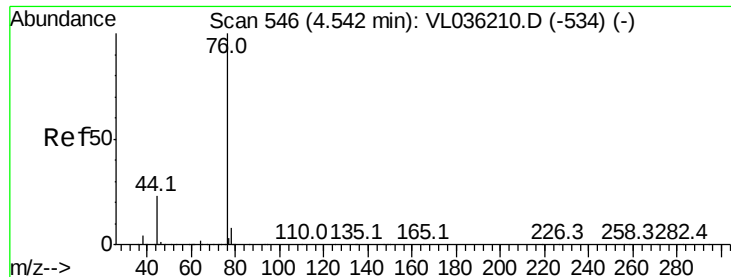
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#26
Hexane
Concen: 12.107 ppbv
RT: 5.68 min Scan# 900
Delta R.T. -0.00 min
Lab File: VL036216.D
Acq: 13 Jan 2021 6:24

Tgt Ion	57	Ratio	Lower	Upper
57	100			
41	103.6		83.0	124.6
43	251.9		202.4	303.6
56	54.2		43.4	65.0





#27

Carbon Disulfide

Concen: 12.888 ppbv

RT: 4.54 min Scan# 546

Delta R.T. -0.00 min

Lab File: VL036216.D

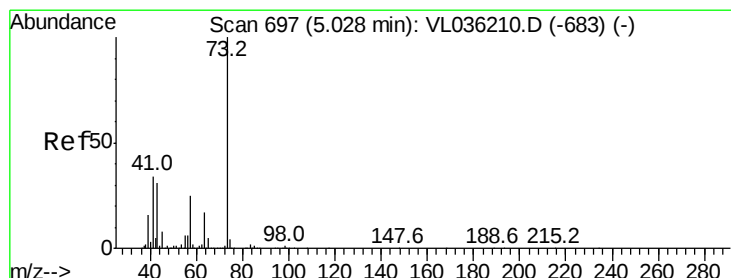
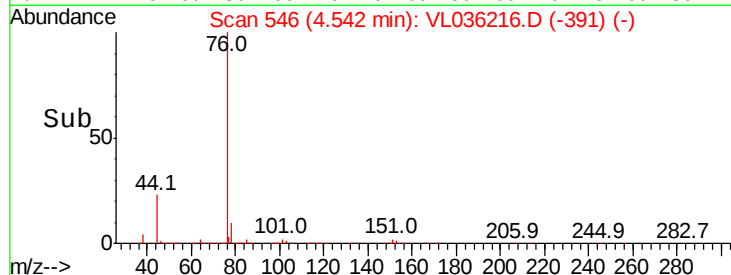
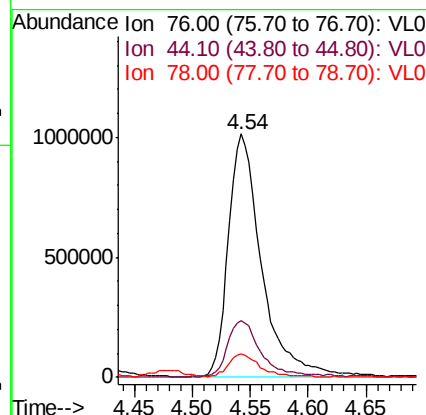
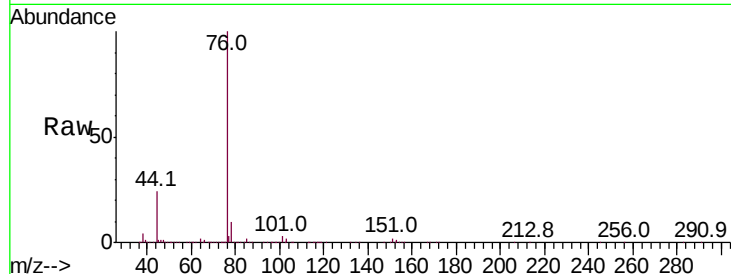
Acq: 13 Jan 2021 6:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
76	100		
44	23.9	19.0	28.6
78	9.3	8.0	12.0

Manual Integrations
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#28

Methyl tert-Butyl Ether

Concen: 12.551 ppbv

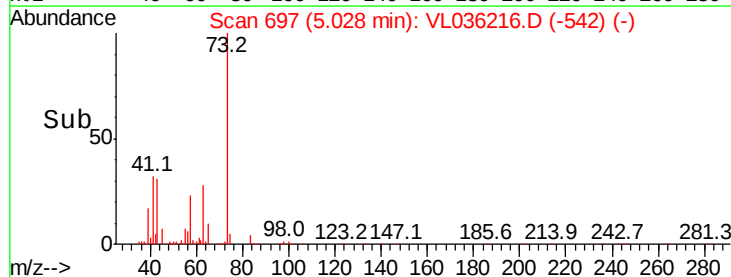
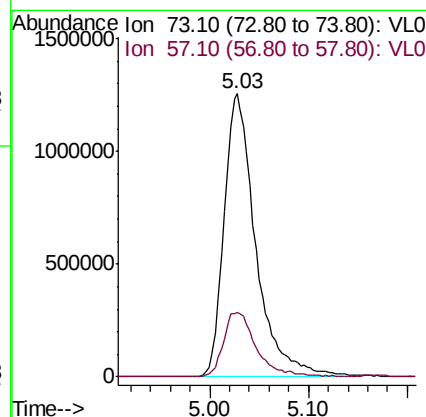
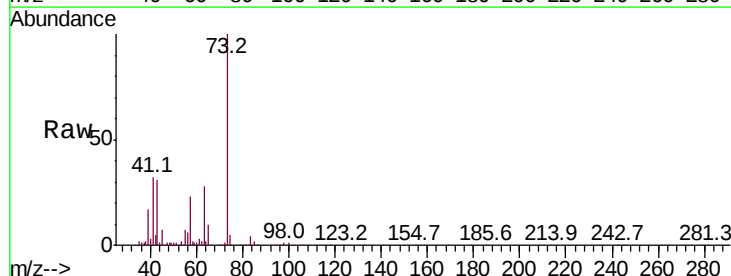
RT: 5.03 min Scan# 697

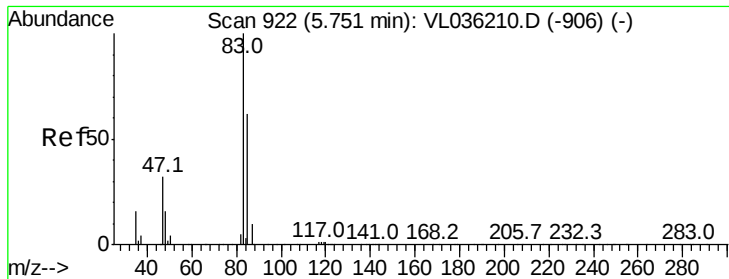
Delta R.T. -0.00 min

Lab File: VL036216.D

Acq: 13 Jan 2021 6:24

Tgt Ion	Ratio	Lower	Upper
73	100		
57	23.8	20.4	30.6





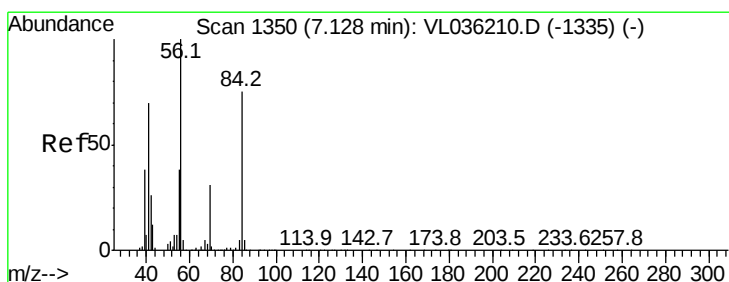
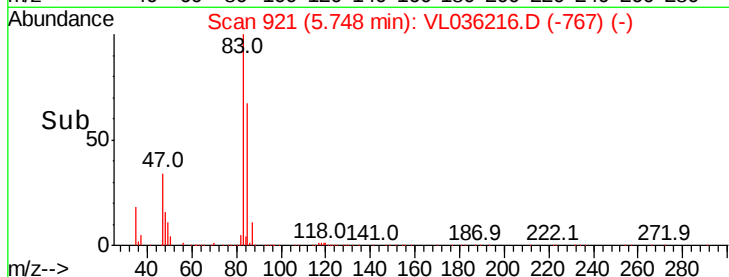
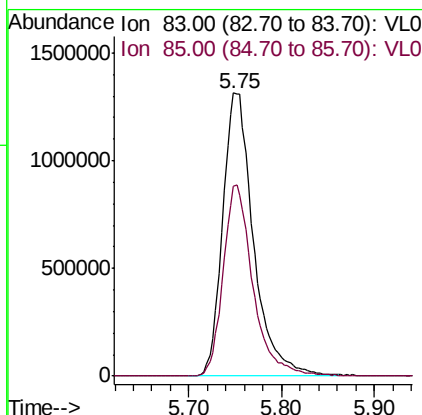
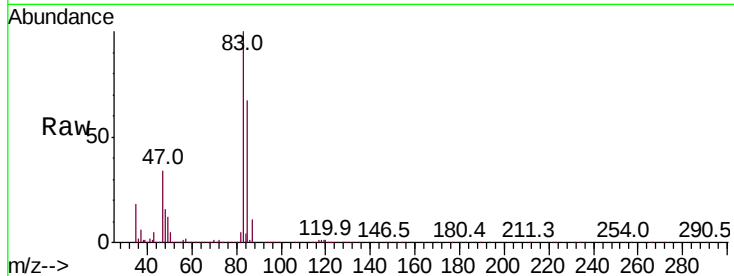
#29
Chloroform
Concen: 14.151 ppbv
RT: 5.75 min Scan# 921
Delta R.T. -0.00 min
Lab File: VL036216.D
Acq: 13 Jan 2021 6:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion: 83 Resp: 3030502
Ion Ratio Lower Upper
83 100
85 66.7 49.3 73.9

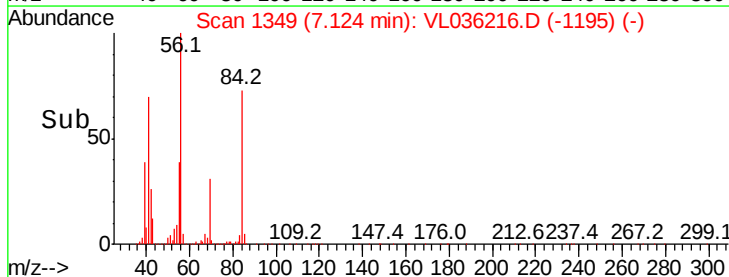
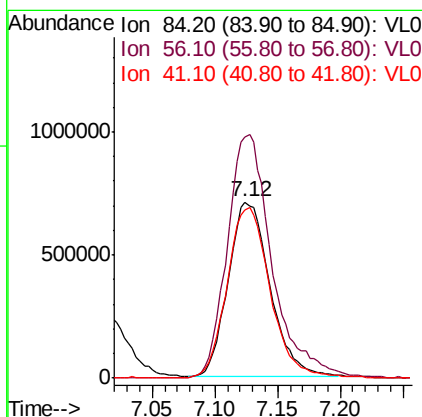
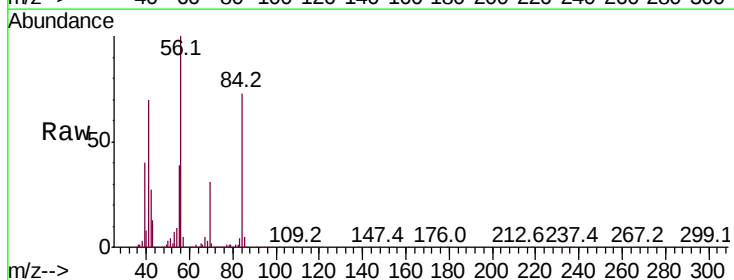
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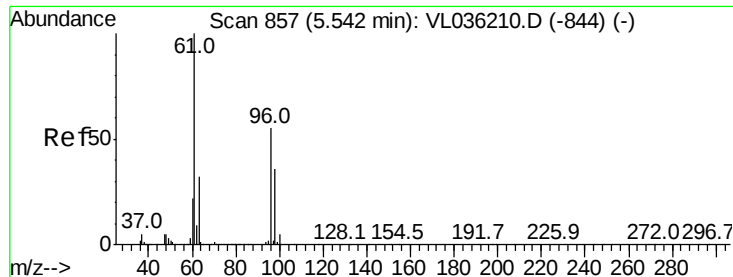
MMDadoda
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#30
Cyclohexane
Concen: 13.655 ppbv
RT: 7.12 min Scan# 1349
Delta R.T. -0.00 min
Lab File: VL036216.D
Acq: 13 Jan 2021 6:24

Tgt Ion: 84 Resp: 1647768
Ion Ratio Lower Upper
84 100
56 149.8 119.4 179.0
41 101.1 79.4 119.0





#31

cis-1,2-Dichloroethene

Concen: 14.302 ppbv

RT: 5.55 min Scan# 858

Delta R.T. 0.00 min

Lab File: VL036216.D

Acq: 13 Jan 2021 6:24

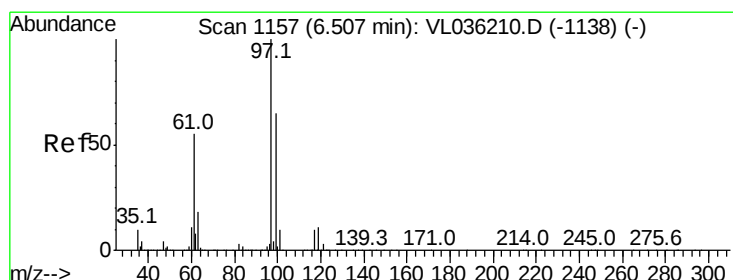
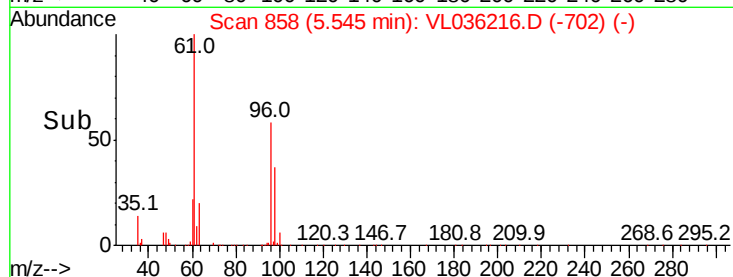
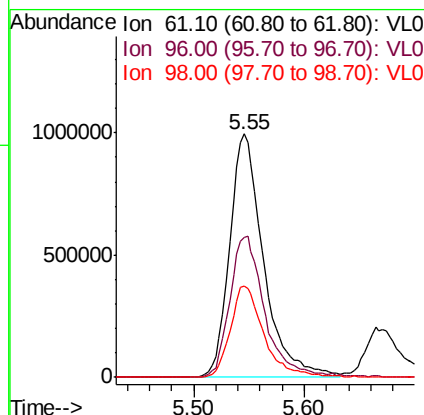
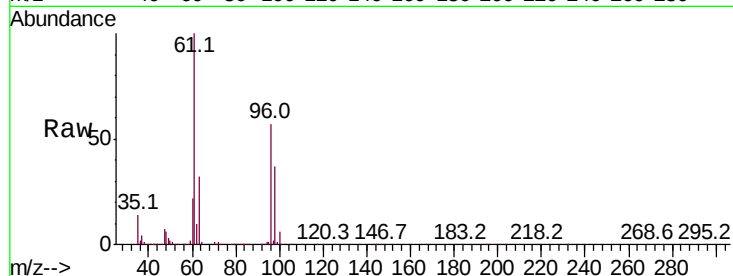
Instrument :
MSVOA_L

ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
61	100		
96	57.4	44.1	66.1
98	37.3	28.6	42.8

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#32

1,1,1-Trichloroethane

Concen: 13.660 ppbv

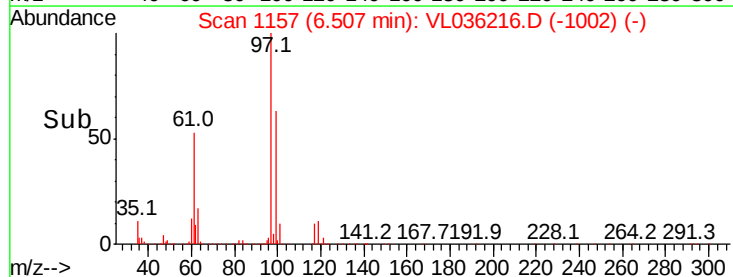
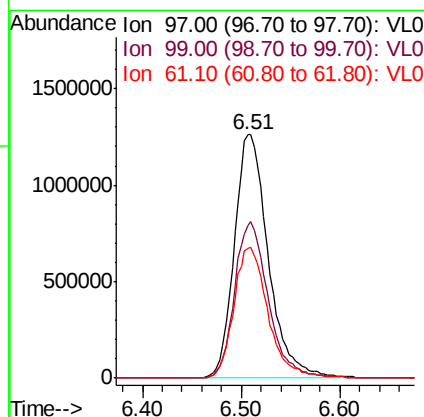
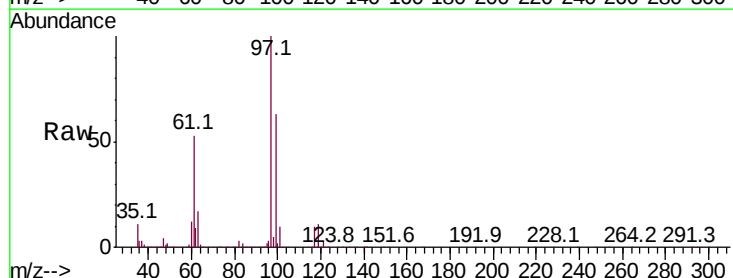
RT: 6.51 min Scan# 1157

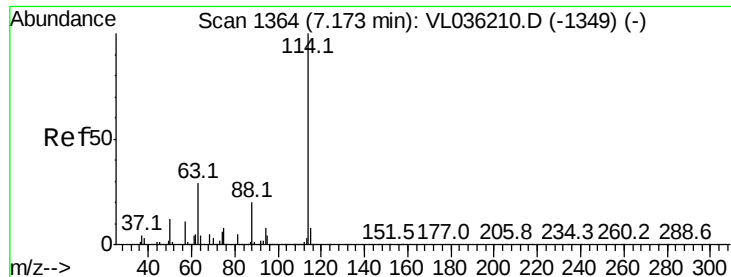
Delta R.T. -0.00 min

Lab File: VL036216.D

Acq: 13 Jan 2021 6:24

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	52.0	78.0
61	54.5	43.6	65.4





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VL036216.D

Acq: 13 Jan 2021 6:24

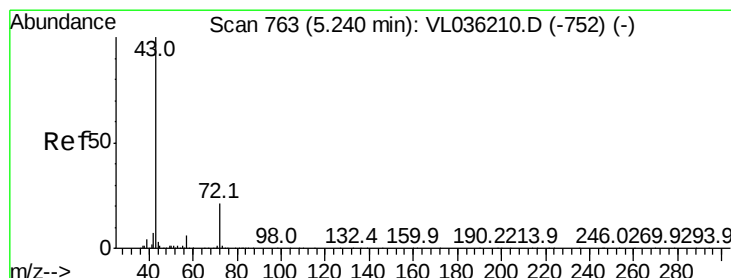
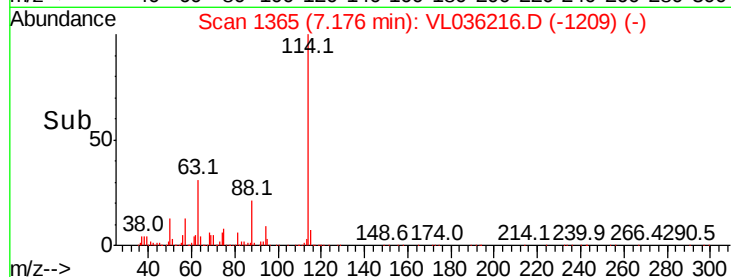
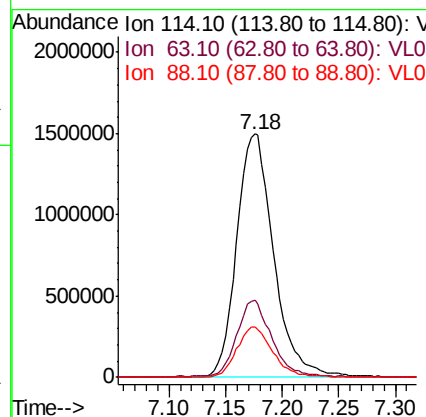
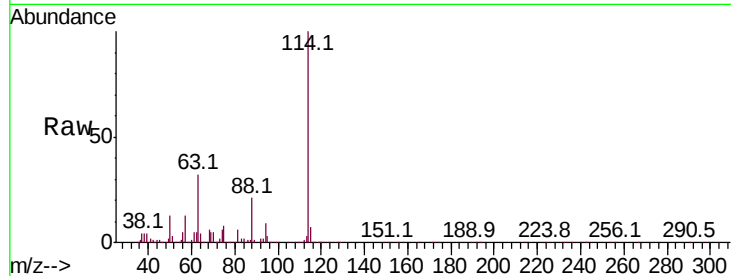
Instrument :
MSVOA_L

ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
114	100		
63	30.8	24.7	37.1
88	20.4	16.6	24.8

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#34

2-Butanone

Concen: 13.945 ppbv

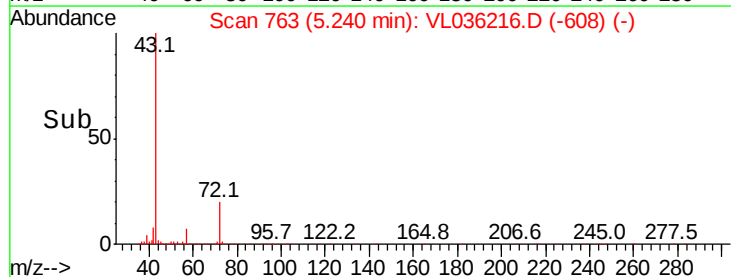
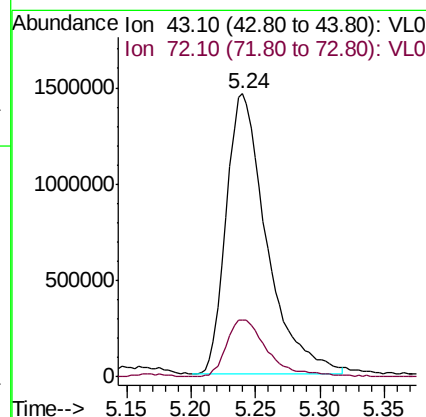
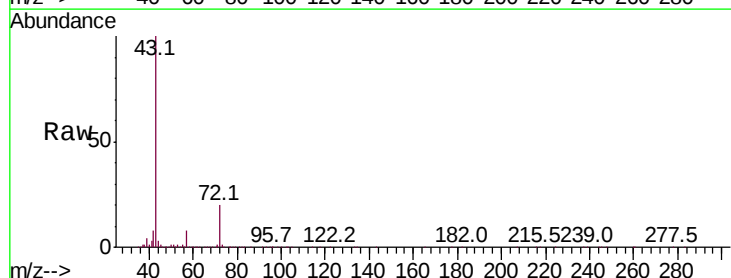
RT: 5.24 min Scan# 763

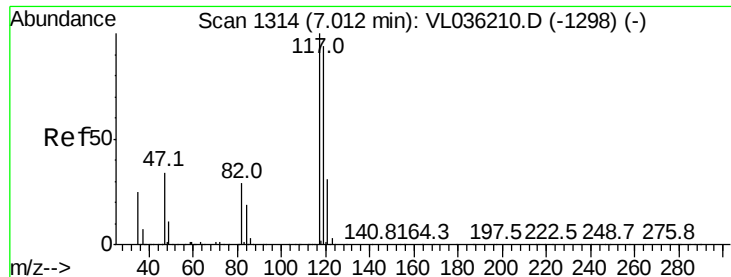
Delta R.T. -0.00 min

Lab File: VL036216.D

Acq: 13 Jan 2021 6:24

Tgt Ion	Ratio	Lower	Upper
43	100		
72	20.9	16.1	24.1





#35

Carbon Tetrachloride

Concen: 15.049 ppbv

RT: 7.02 min Scan# 1316

Delta R.T. 0.01 min

Lab File: VL036216.D

Acq: 13 Jan 2021 6:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion:117 Resp: 2991319

Ion Ratio Lower Upper

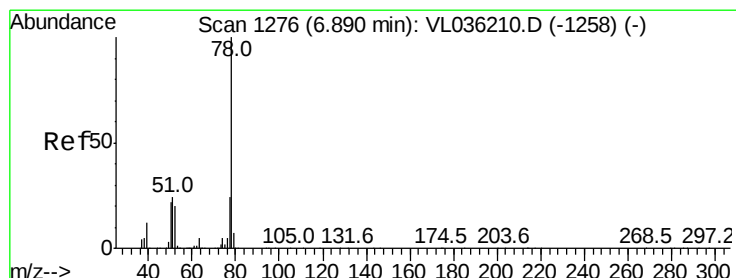
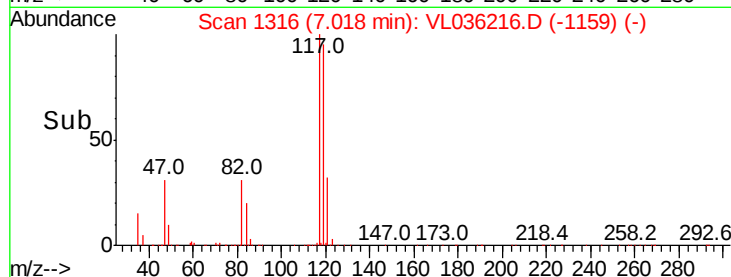
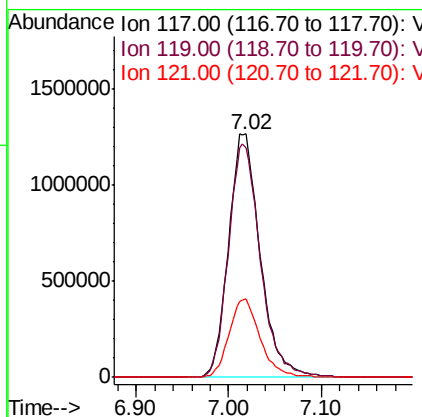
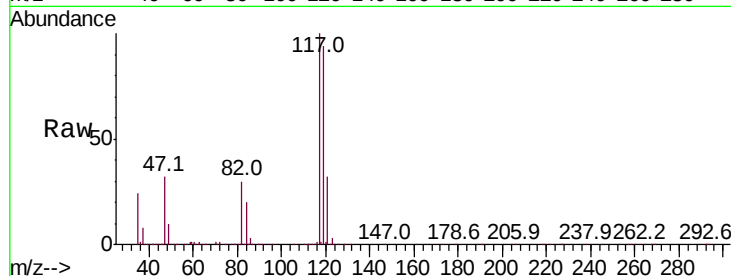
117 100

119 94.2 74.9 112.3

121 32.3 25.0 37.6

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#36

Benzene

Concen: 14.131 ppbv

RT: 6.89 min Scan# 1276

Delta R.T. -0.00 min

Lab File: VL036216.D

Acq: 13 Jan 2021 6:24

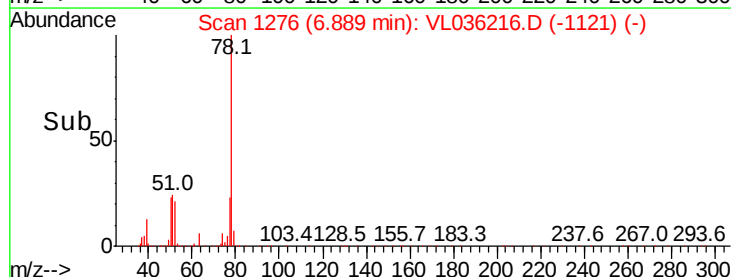
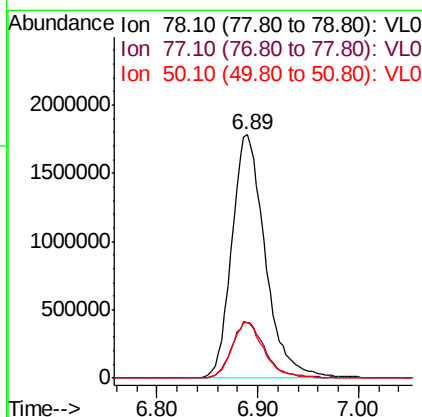
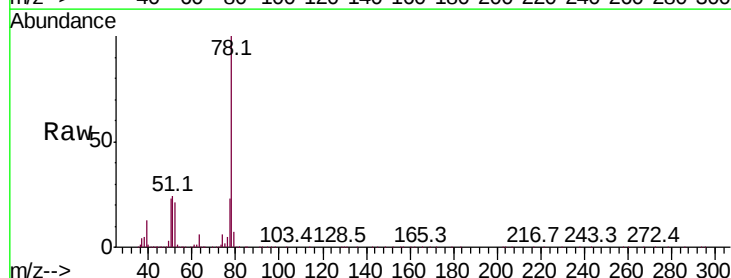
Tgt Ion: 78 Resp: 4098980

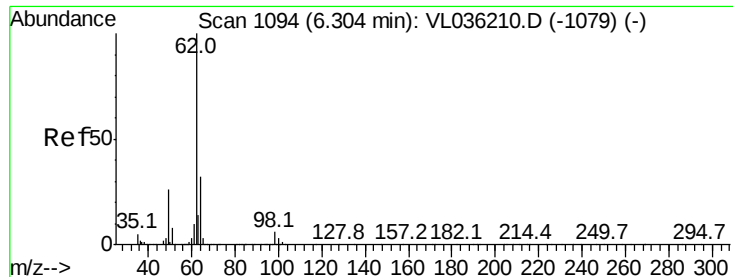
Ion Ratio Lower Upper

78 100

77 22.6 19.4 29.0

50 22.9 17.4 26.2





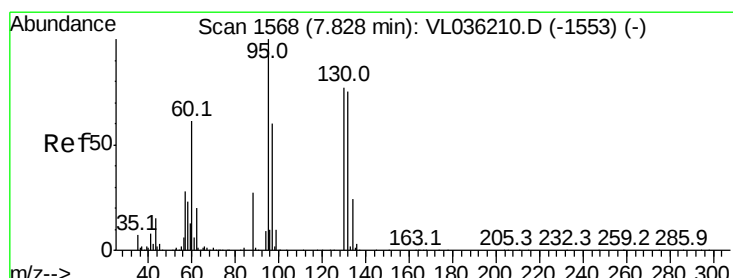
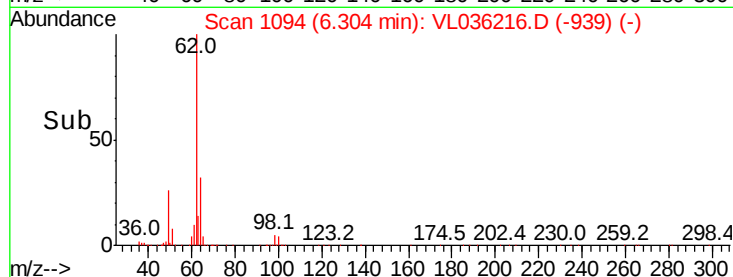
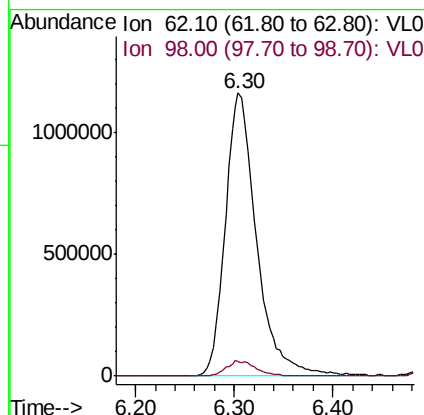
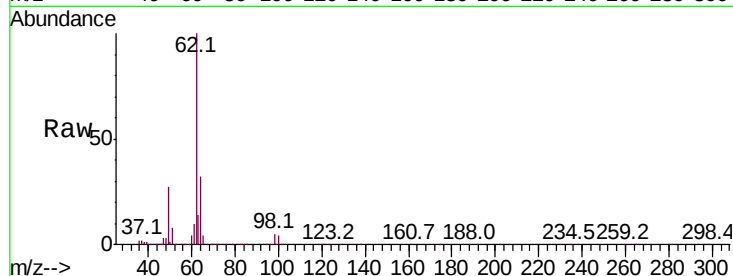
#37
 1,2-Dichloroethane
 Concen: 15.256 ppbv
 RT: 6.30 min Scan# 1094
 Delta R.T. -0.00 min
 Lab File: VL036216.D
 Acq: 13 Jan 2021 6:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion	Ratio	Lower	Upper
62	100		
98	5.4	4.4	6.6

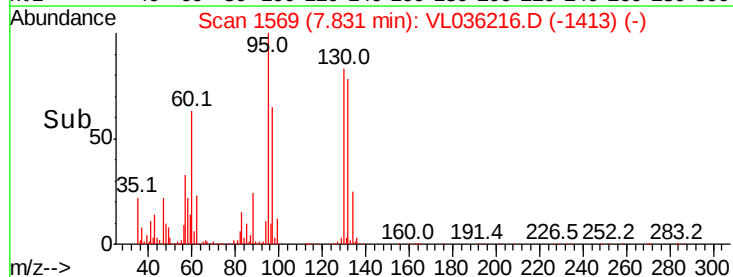
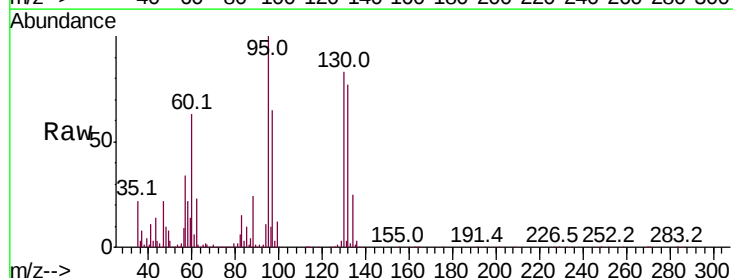
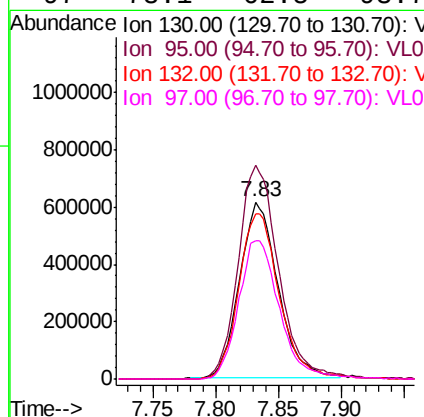
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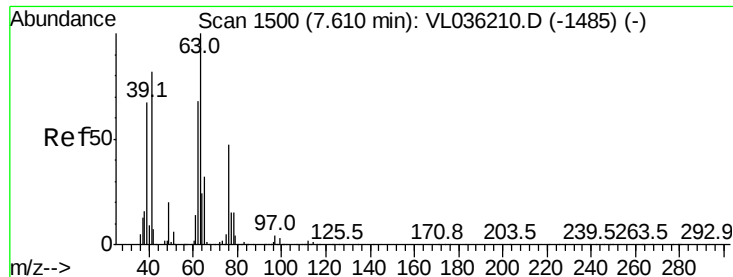
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#38
 Trichloroethene
 Concen: 12.290 ppbv
 RT: 7.83 min Scan# 1569
 Delta R.T. 0.00 min
 Lab File: VL036216.D
 Acq: 13 Jan 2021 6:24

Tgt Ion	Ratio	Lower	Upper
130	100		
95	121.1	103.9	155.9
132	93.8	77.4	116.2
97	78.1	62.5	93.7





#39

1,2-Dichloropropane

Concen: 14.808 ppbv

RT: 7.61 min Scan# 1500

Delta R.T. -0.00 min

Lab File: VL036216.D

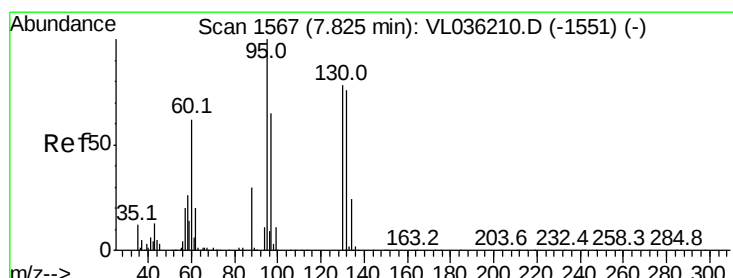
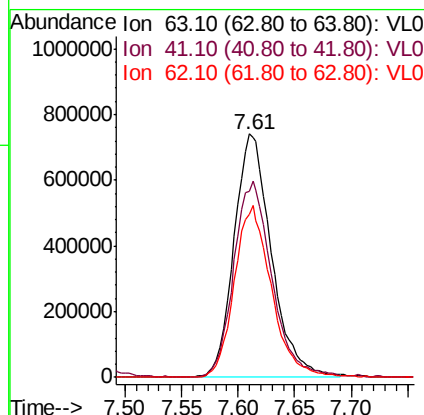
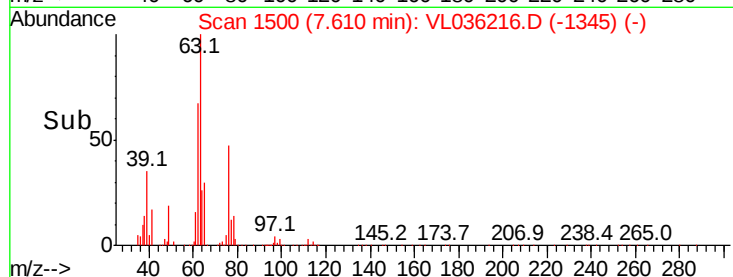
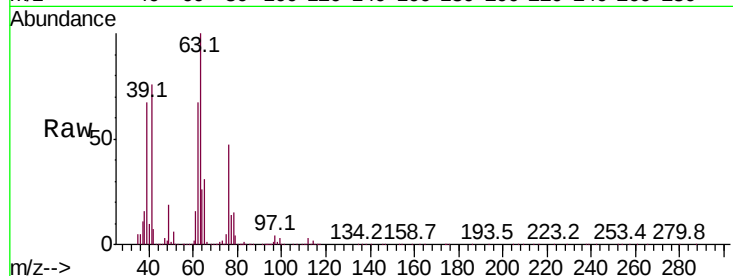
Acq: 13 Jan 2021 6:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
63	100		
41	76.1	66.1	99.1
62	67.0	54.8	82.2

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#40

1,4-Dioxane

Concen: 13.155 ppbv

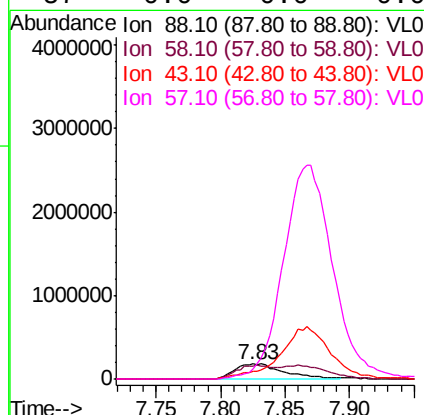
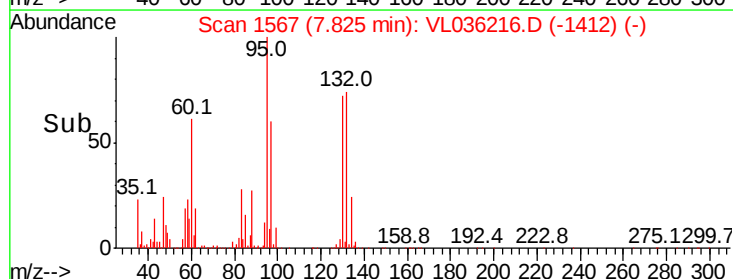
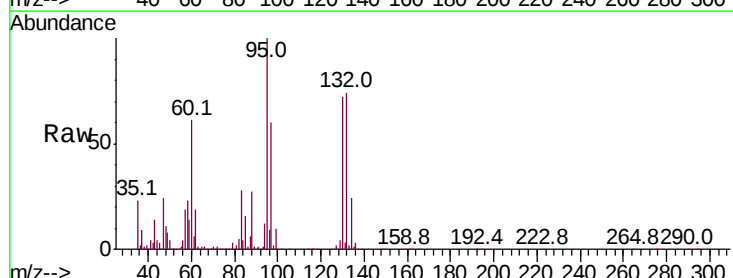
RT: 7.83 min Scan# 1567

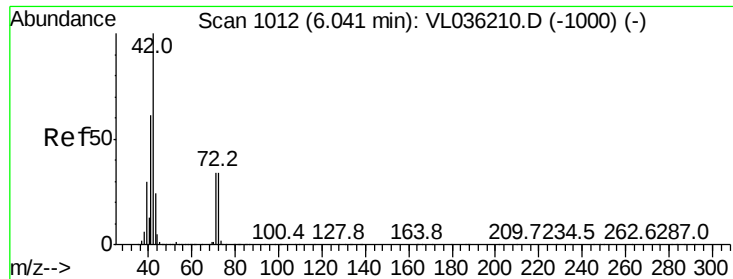
Delta R.T. -0.00 min

Lab File: VL036216.D

Acq: 13 Jan 2021 6:24

Tgt Ion	Ratio	Lower	Upper
88	100		
58	65.3	123.0	184.6#
43	0.0	0.0	0.0
57	0.0	0.0	0.0





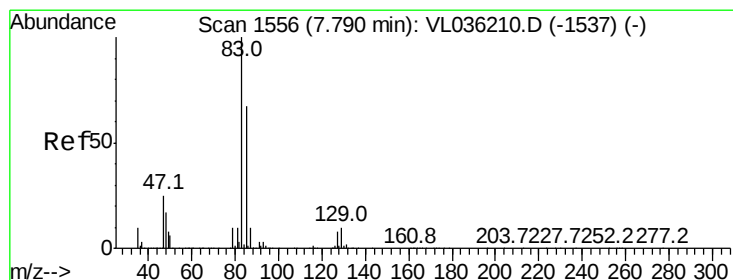
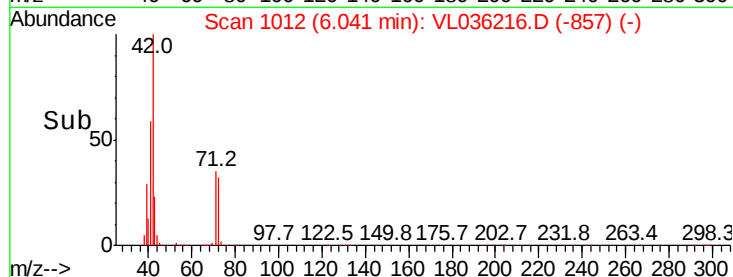
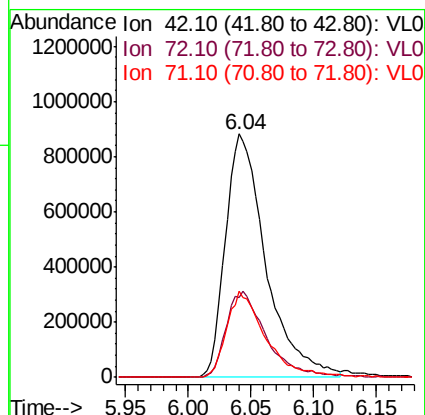
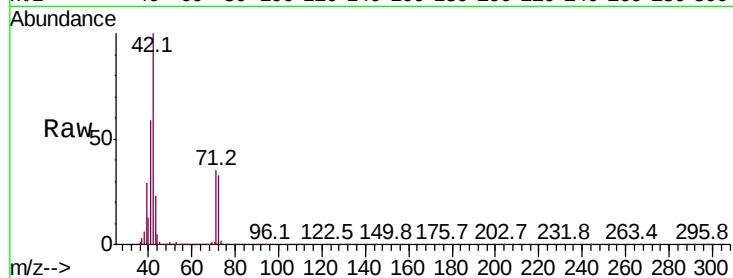
#41
Tetrahydrofuran
Concen: 14.705 ppbv
RT: 6.04 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VL036216.D
Acq: 13 Jan 2021 6:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.7	29.5	44.3
71	34.6	29.1	43.7

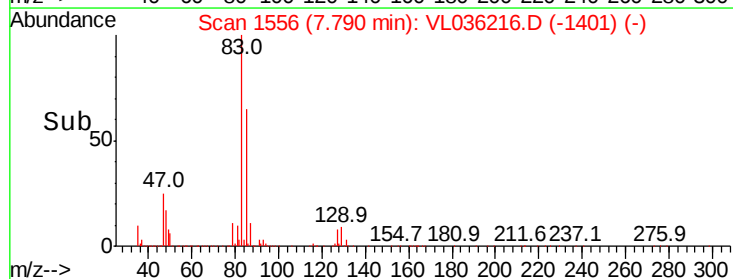
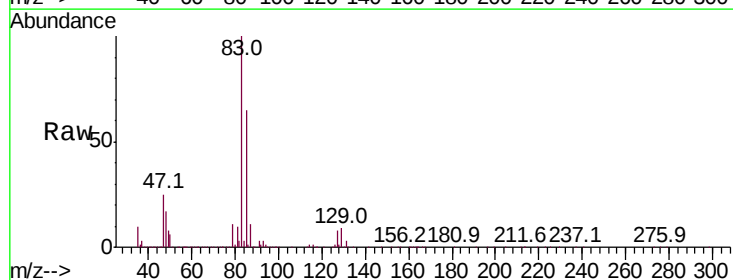
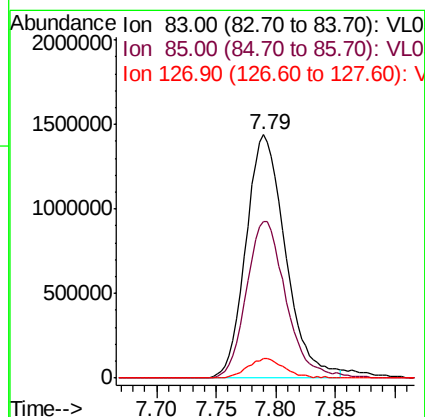
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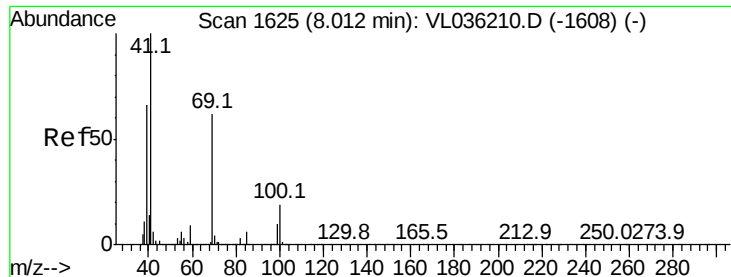
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#42
Bromodichloromethane
Concen: 14.842 ppbv
RT: 7.79 min Scan# 1556
Delta R.T. -0.00 min
Lab File: VL036216.D
Acq: 13 Jan 2021 6:24

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	53.4	80.2
127	8.0	6.2	9.2





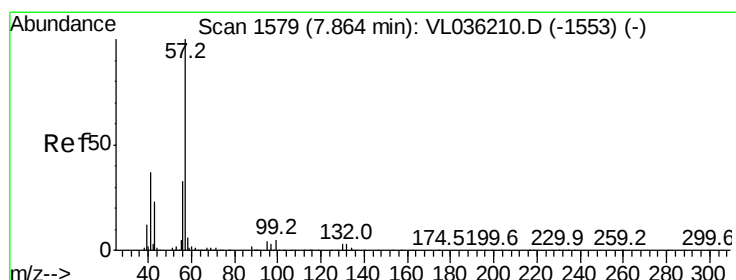
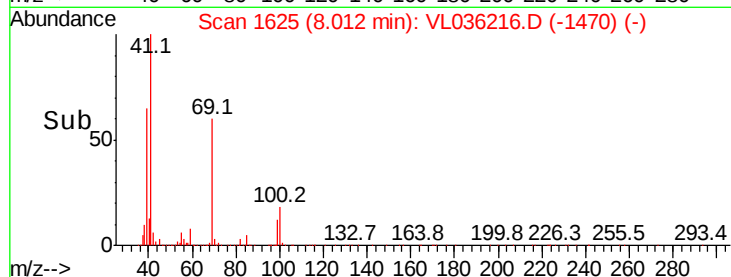
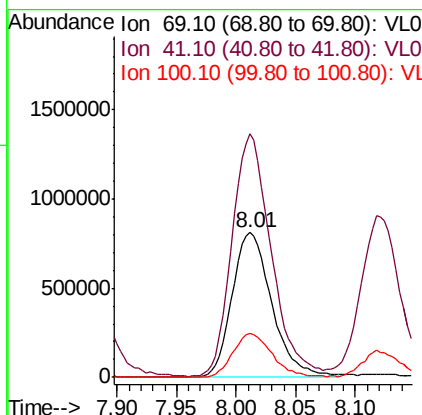
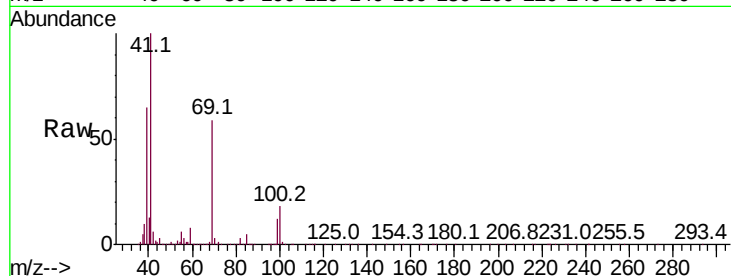
#43
Methvl Methacrylate
Concen: 15.141 ppbv
RT: 8.01 min Scan# 1625
Delta R.T. -0.00 min
Lab File: VL036216.D
Acq: 13 Jan 2021 6:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion: 69 Resp: 1884617
Ion Ratio Lower Upper
69 100
41 165.7 133.4 200.2
100 30.2 24.3 36.5

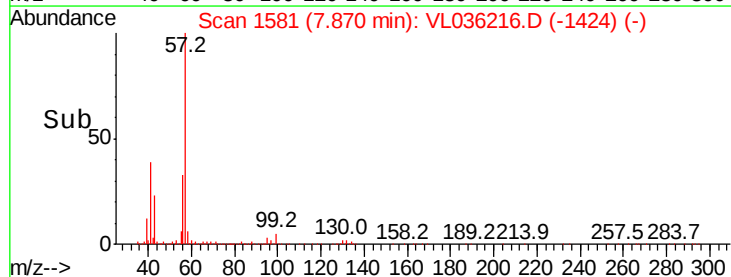
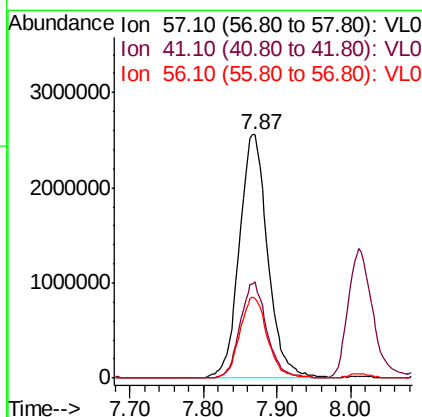
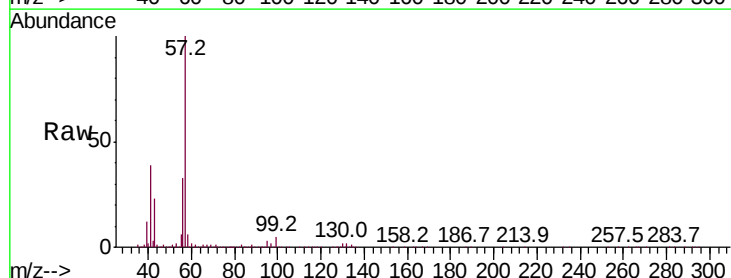
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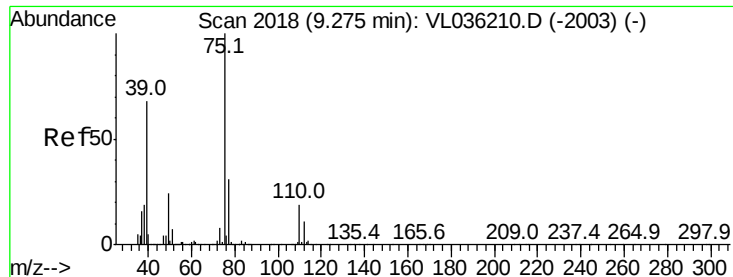
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#44
2,2,4-Trimethylpentane
Concen: 13.156 ppbv
RT: 7.87 min Scan# 1581
Delta R.T. 0.01 min
Lab File: VL036216.D
Acq: 13 Jan 2021 6:24

Tgt Ion: 57 Resp: 6884300
Ion Ratio Lower Upper
57 100
41 37.0 28.5 42.7
56 32.3 25.5 38.3





#45

t-1,3-Dichloropropene

Concen: 16.715 ppbv

RT: 9.28 min Scan# 2019

Delta R.T. 0.00 min

Lab File: VL036216.D

Acq: 13 Jan 2021 6:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 75 Resp: 2127987

Ion Ratio Lower Upper

75 100

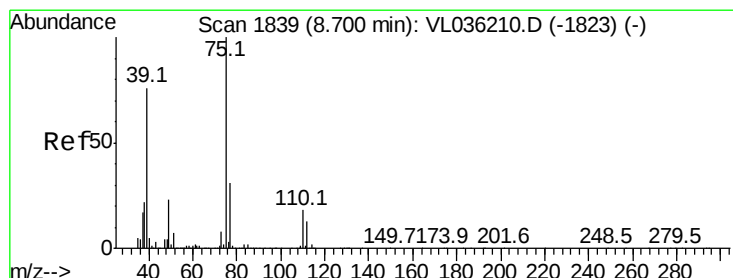
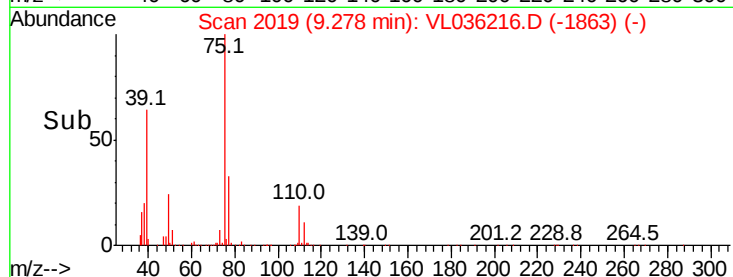
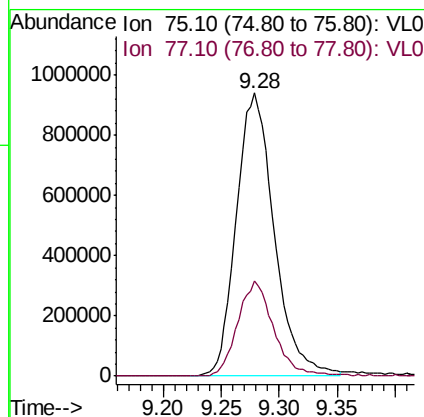
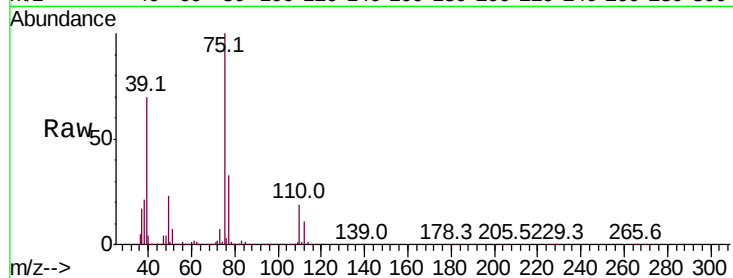
77 33.5 24.7 37.1

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#46

cis-1,3-Dichloropropene

Concen: 15.391 ppbv

RT: 8.70 min Scan# 1840

Delta R.T. 0.00 min

Lab File: VL036216.D

Acq: 13 Jan 2021 6:24

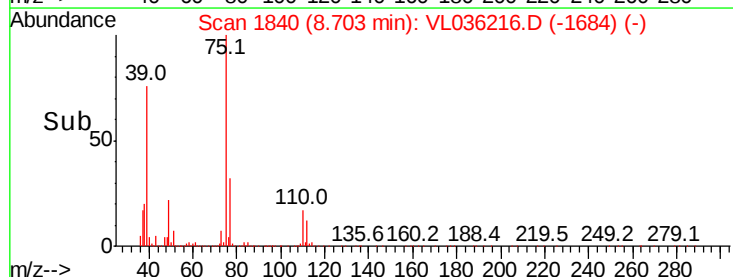
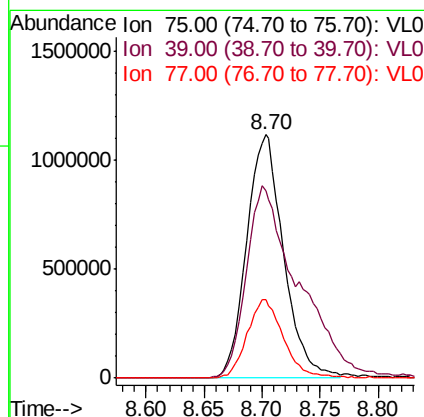
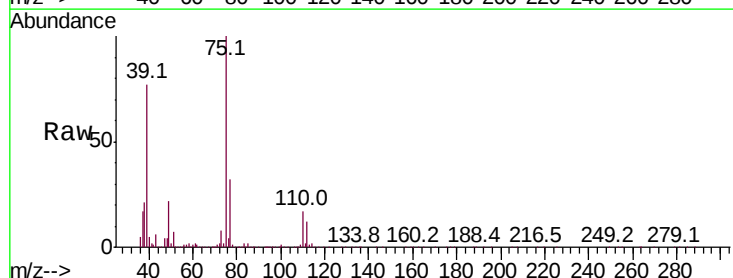
Tgt Ion: 75 Resp: 2472525

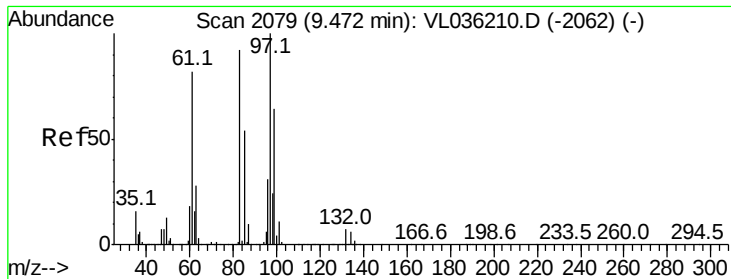
Ion Ratio Lower Upper

75 100

39 76.6 61.2 91.8

77 32.0 24.6 37.0





#47

1,1,2-Trichloroethane

Concen: 14.240 ppbv

RT: 9.47 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VL036216.D

Acq: 13 Jan 2021 6:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 97 Resp: 1577359

Ion Ratio Lower Upper

97 100

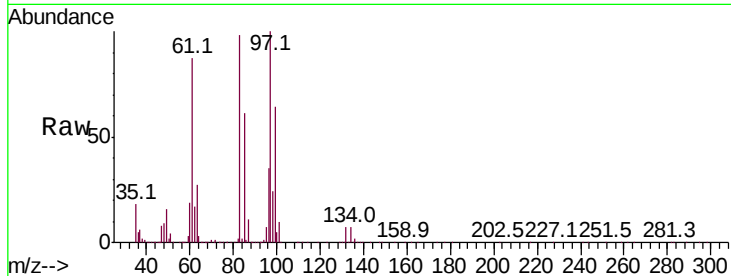
83 97.8 73.3 109.9

85 61.2 43.2 64.8

99 64.0 51.5 77.3

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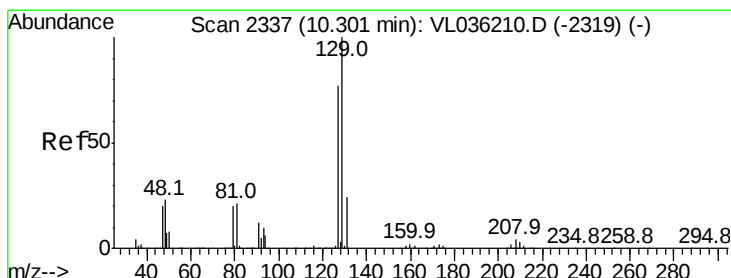
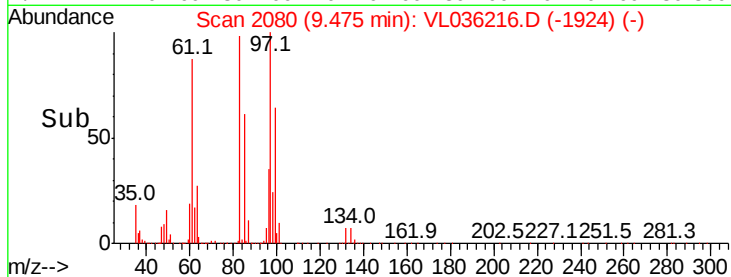
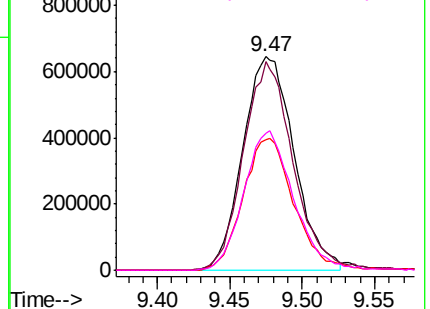


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 15.796 ppbv

RT: 10.31 min Scan# 2339

Delta R.T. 0.01 min

Lab File: VL036216.D

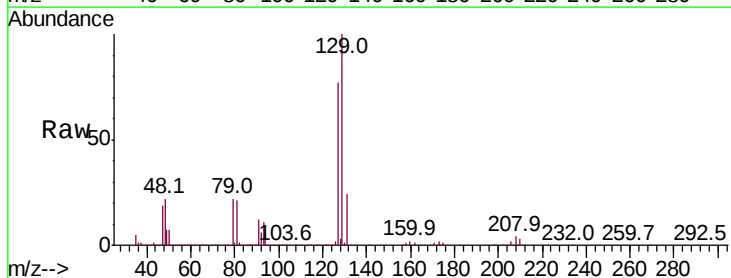
Acq: 13 Jan 2021 6:24

Tgt Ion: 129 Resp: 2619712

Ion Ratio Lower Upper

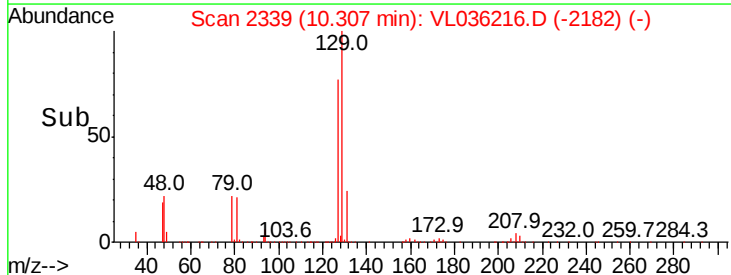
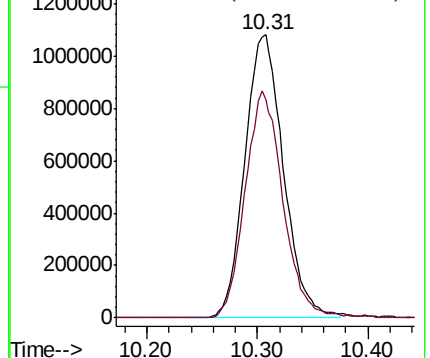
129 100

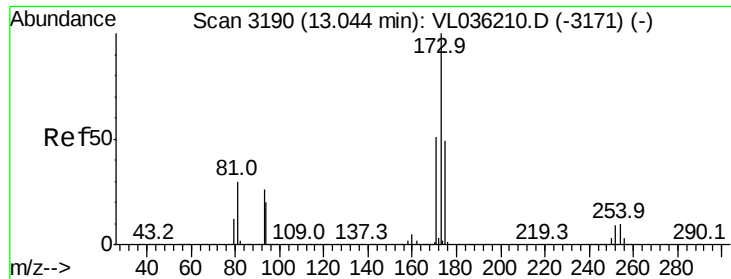
127 79.3 39.6 118.8



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





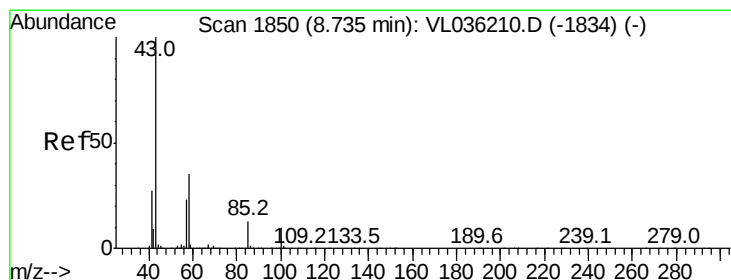
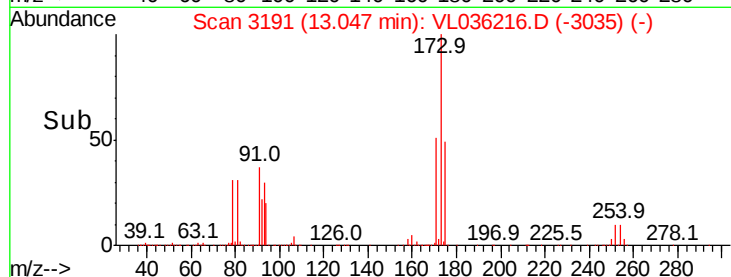
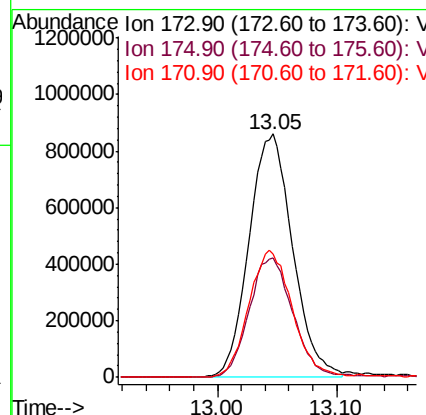
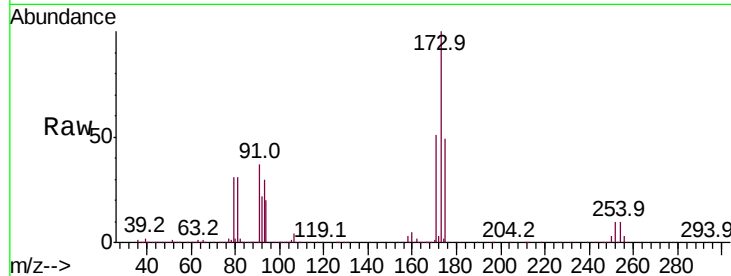
#49
Bromoform
Concen: 16.664 ppbv
RT: 13.05 min Scan# 3191
Delta R.T. 0.00 min
Lab File: VL036216.D
Acq: 13 Jan 2021 6:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.9	40.7	61.1
171	53.3	43.0	64.6

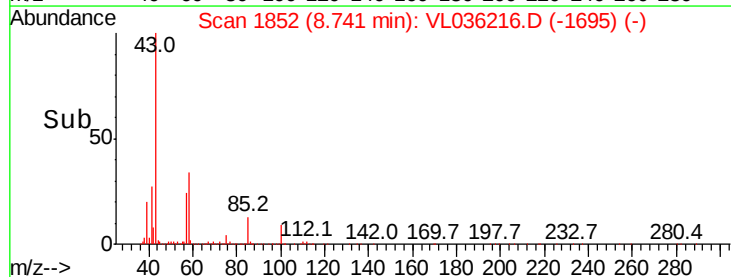
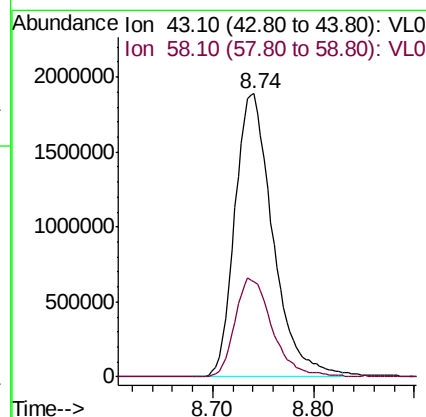
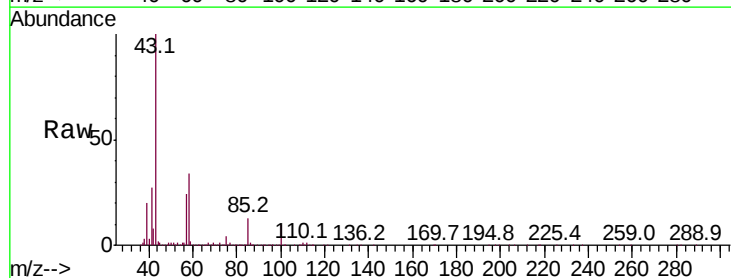
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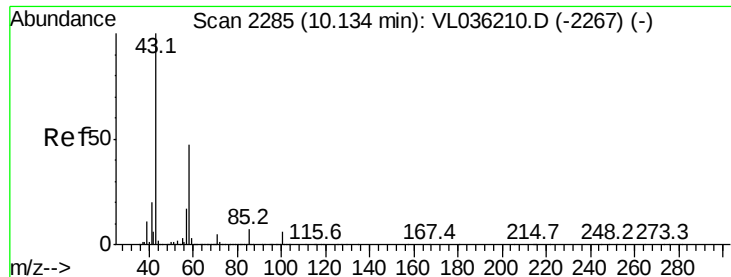
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#50
4-Methyl-2-Pentanone
Concen: 14.498 ppbv
RT: 8.74 min Scan# 1852
Delta R.T. 0.01 min
Lab File: VL036216.D
Acq: 13 Jan 2021 6:24

Tgt Ion	Ratio	Lower	Upper
43	100		
58	34.6	27.6	41.4





#51

2-Hexanone

Concen: 15.707 ppbv

RT: 10.13 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VL036216.D

Acq: 13 Jan 2021 6:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 43 Resp: 4235271

Ion Ratio Lower Upper

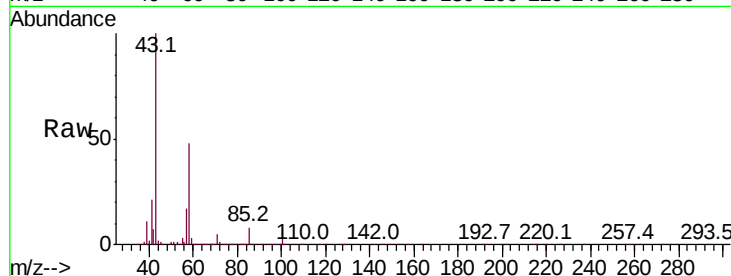
43 100

58 47.0 37.4 56.0

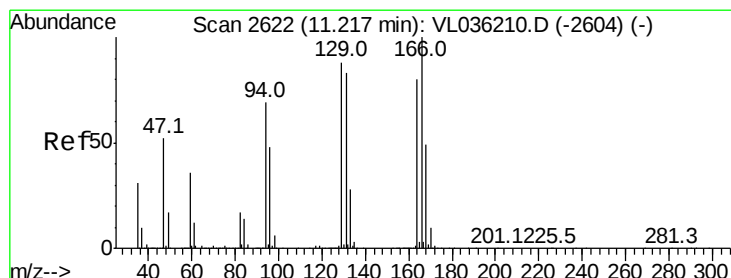
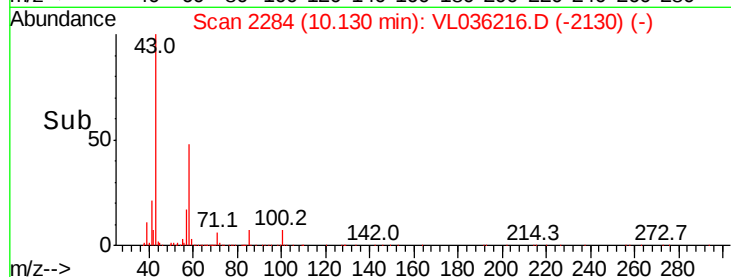
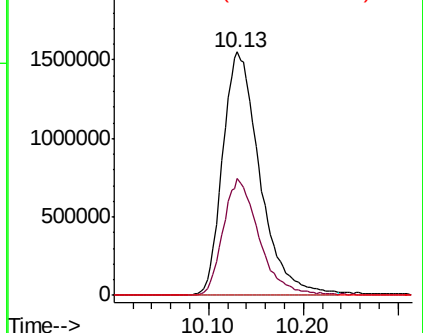
98 0.1 0.2 0.2#

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Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 12.451 ppbv

RT: 11.22 min Scan# 2623

Delta R.T. 0.00 min

Lab File: VL036216.D

Acq: 13 Jan 2021 6:24

Tgt Ion: 164 Resp: 1298165

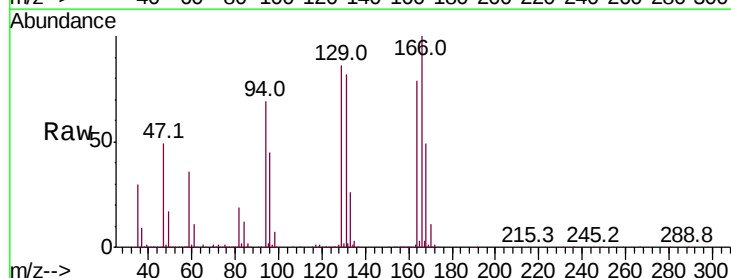
Ion Ratio Lower Upper

164 100

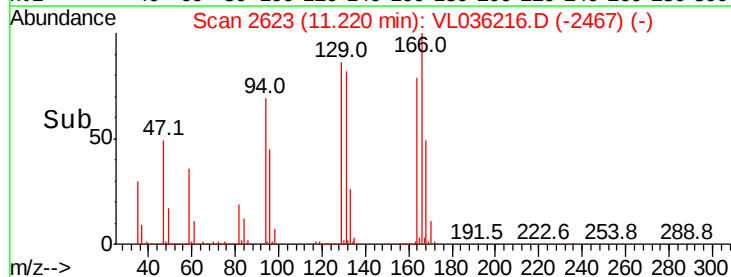
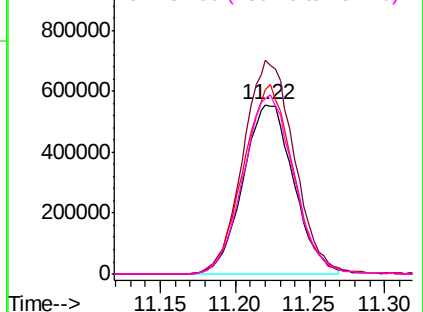
166 126.0 99.9 149.9

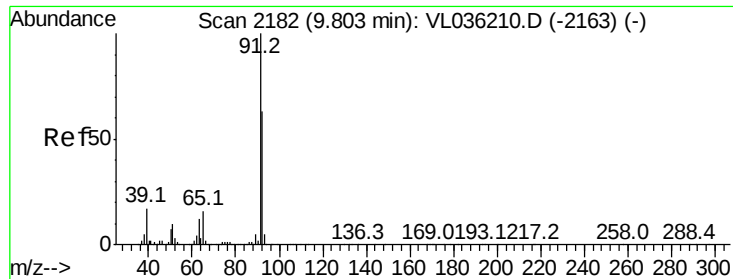
129 108.7 88.2 132.4

131 103.2 83.0 124.6



Abundance Ion 163.90 (163.60 to 164.60): V
Ion 165.90 (165.60 to 166.60): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 13.892 ppbv

RT: 9.80 min Scan# 2182

Delta R.T. -0.00 min

Lab File: VL036216.D

Acq: 13 Jan 2021 6:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 91 Resp: 4520017

Ion Ratio Lower Upper

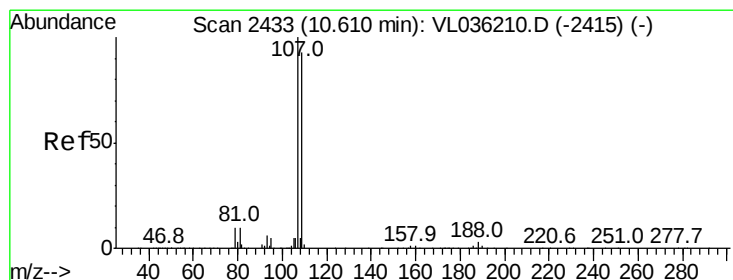
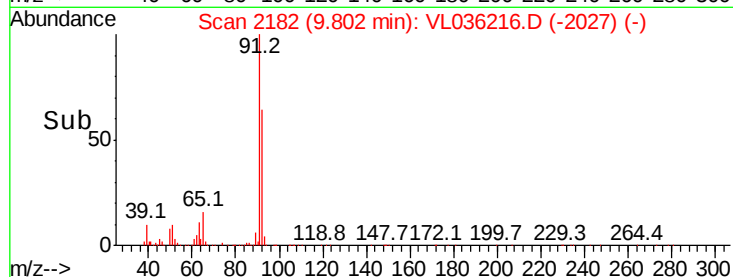
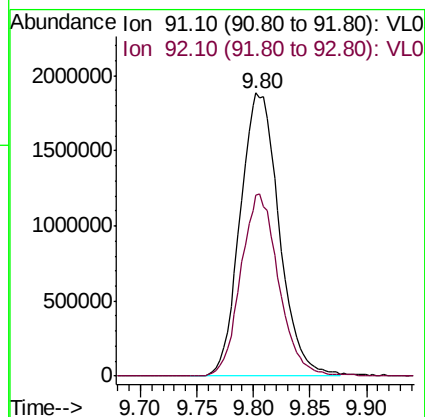
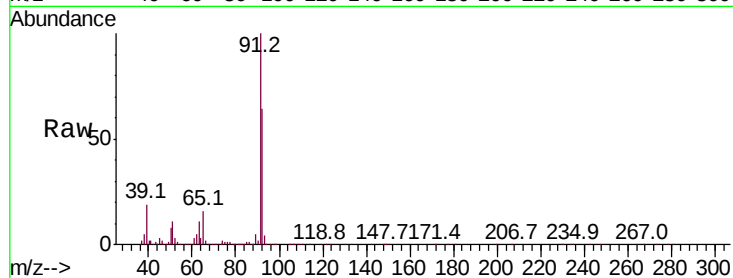
91 100

92 62.6 48.5 72.7

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#54

1,2-Dibromoethane

Concen: 14.480 ppbv

RT: 10.61 min Scan# 2434

Delta R.T. 0.00 min

Lab File: VL036216.D

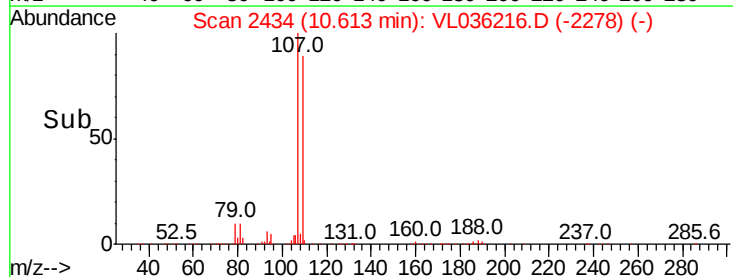
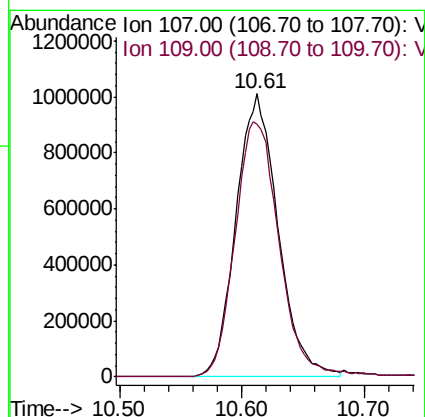
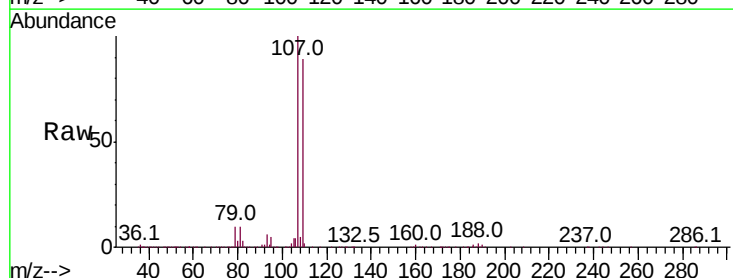
Acq: 13 Jan 2021 6:24

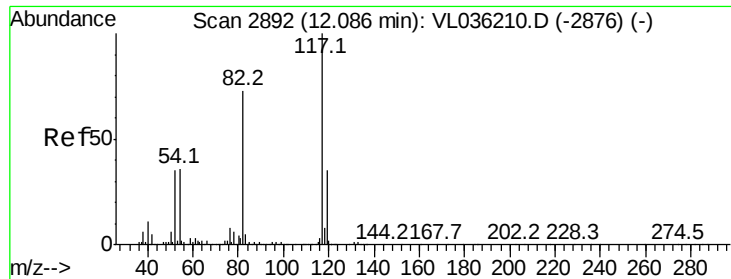
Tgt Ion: 107 Resp: 2403743

Ion Ratio Lower Upper

107 100

109 89.1 74.5 111.7





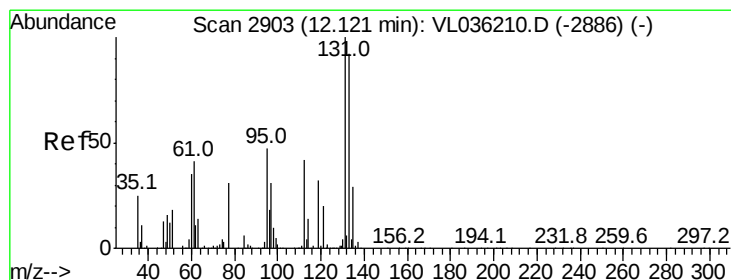
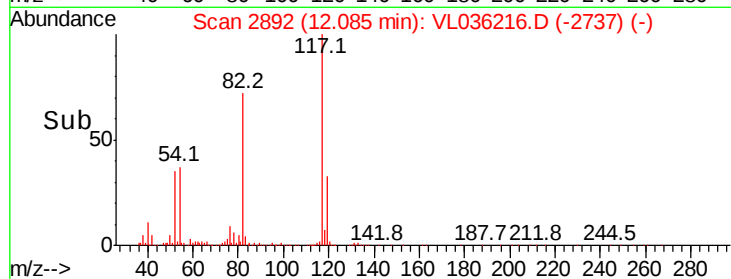
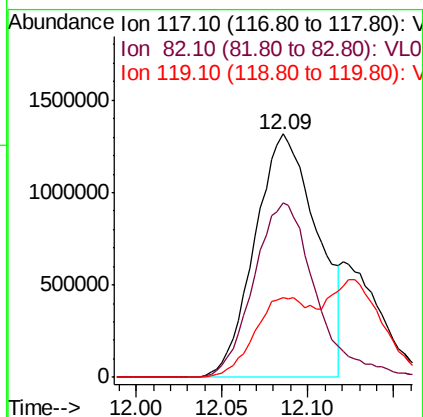
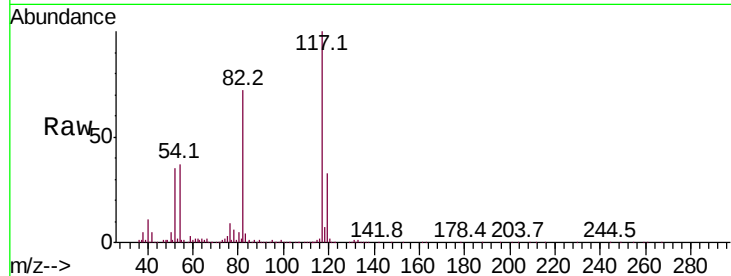
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2892
Delta R.T. -0.00 min
Lab File: VL036216.D
Acq: 13 Jan 2021 6:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
117	100		
82	71.7	59.7	89.5
119	0.0	28.6	43.0#

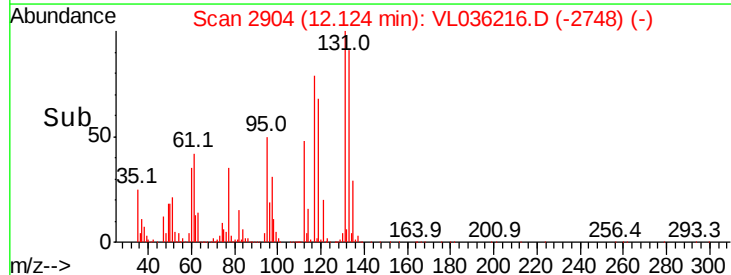
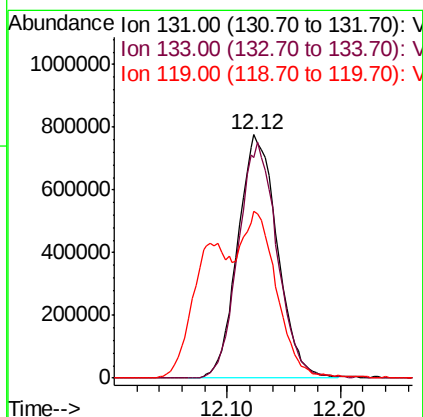
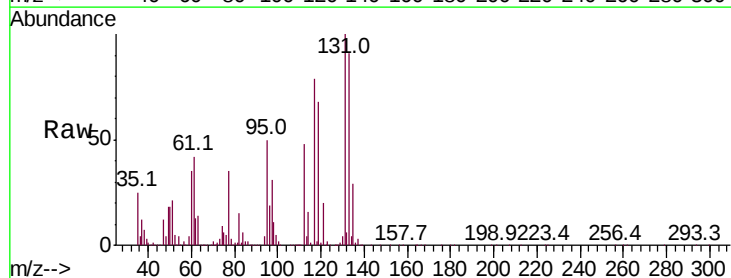
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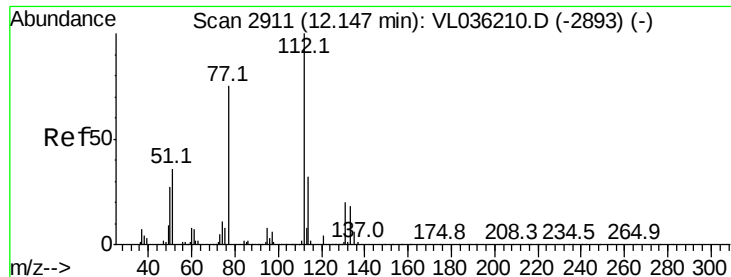
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#56
1,1,1,2-Tetrachloroethane
Concen: 13.693 ppbv
RT: 12.12 min Scan# 2904
Delta R.T. 0.00 min
Lab File: VL036216.D
Acq: 13 Jan 2021 6:24

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.0	76.5	114.7
119	117.4	45.4	68.0#





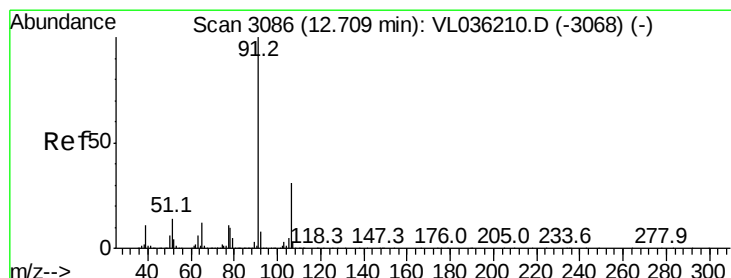
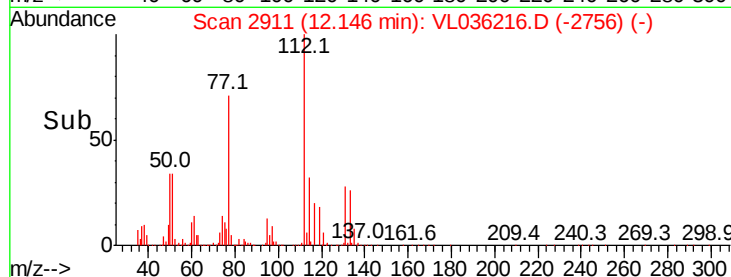
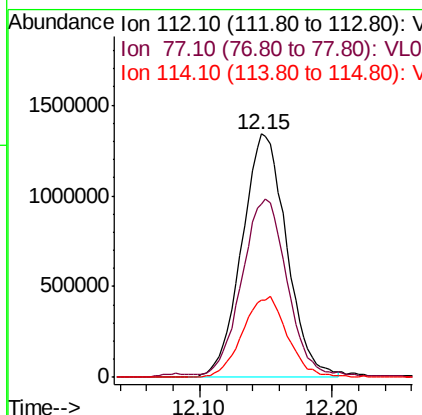
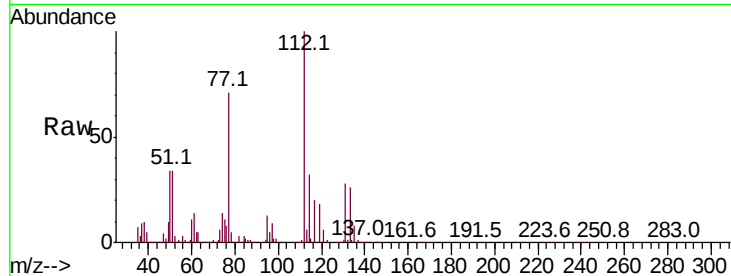
#57
Chlorobenzene
Concen: 13.391 ppbv
RT: 12.15 min Scan# 2911
Delta R.T. -0.00 min
Lab File: VL036216.D
Acq: 13 Jan 2021 6:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion: 112 Resp: 3136870
Ion Ratio Lower Upper
112 100
77 69.8 59.6 89.4
114 31.7 28.7 35.1

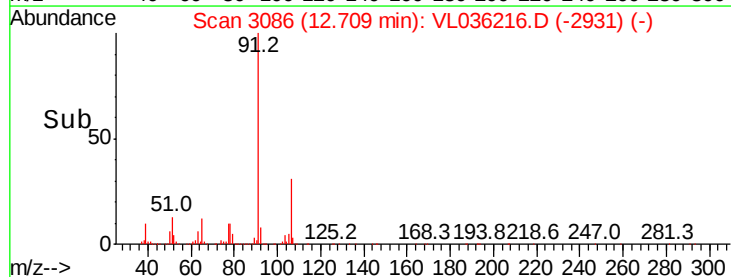
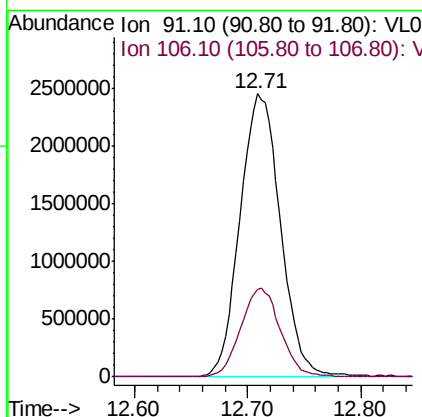
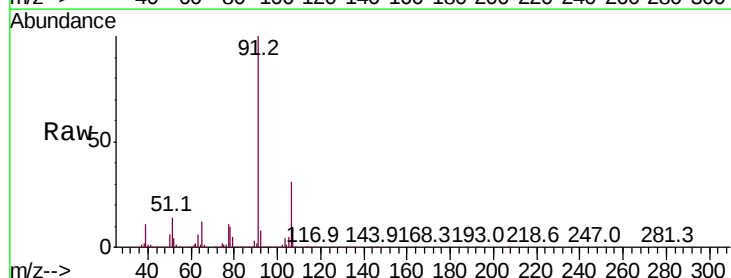
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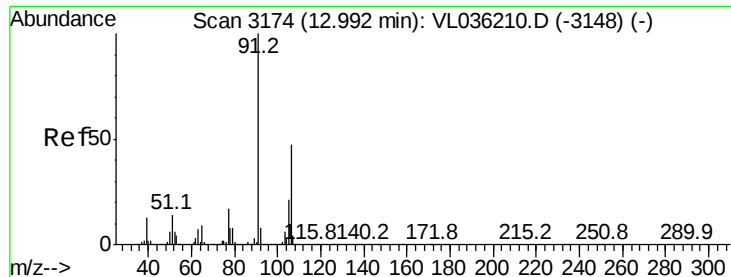
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#58
Ethyl Benzene
Concen: 13.284 ppbv
RT: 12.71 min Scan# 3086
Delta R.T. -0.00 min
Lab File: VL036216.D
Acq: 13 Jan 2021 6:24

Tgt Ion: 91 Resp: 6087161
Ion Ratio Lower Upper
91 100
106 31.1 24.8 37.2





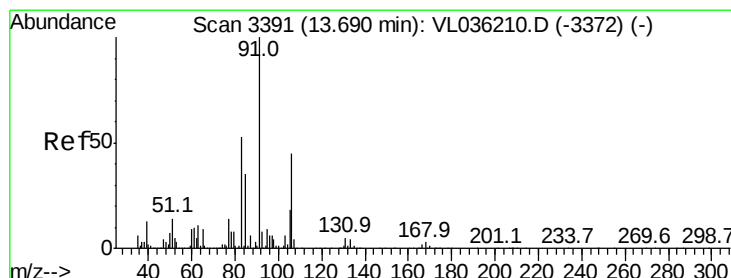
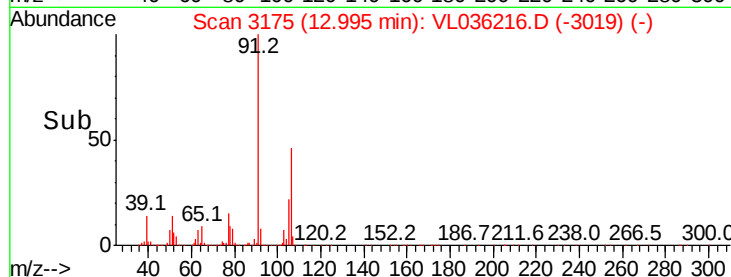
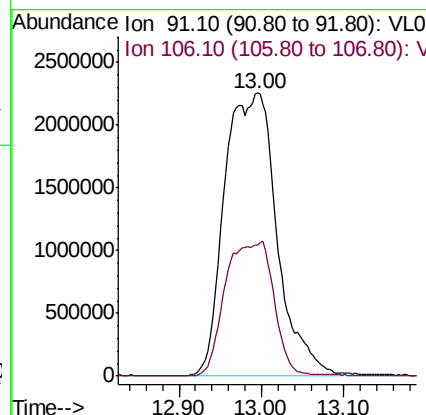
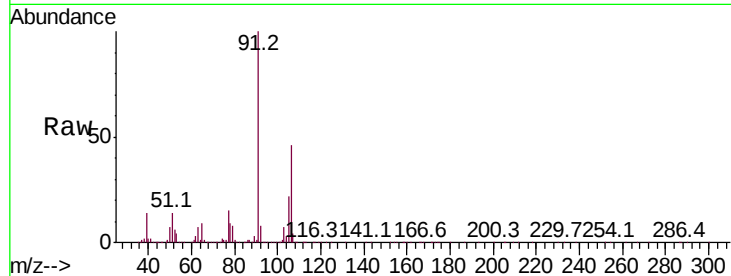
#59
m/p-Xylene
Concen: 25.964 ppbv m
RT: 13.00 min Scan# 3175
Delta R.T. 0.00 min
Lab File: VL036216.D
Acq: 13 Jan 2021 6:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion: 91 Resp:10002456
Ion Ratio Lower Upper
91 100
106 43.9 34.6 51.8

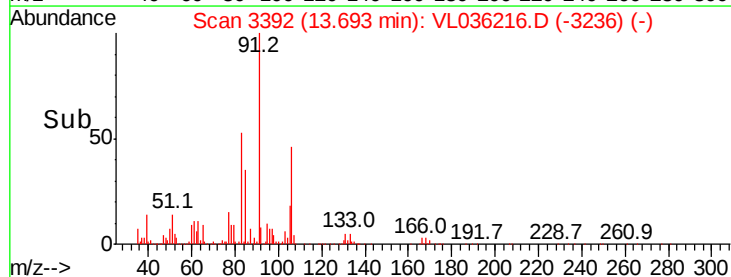
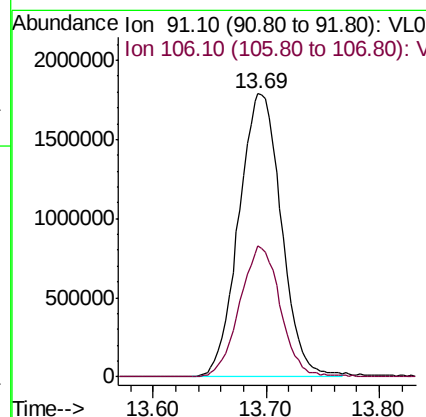
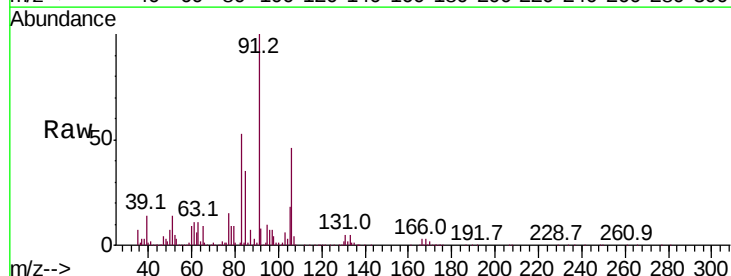
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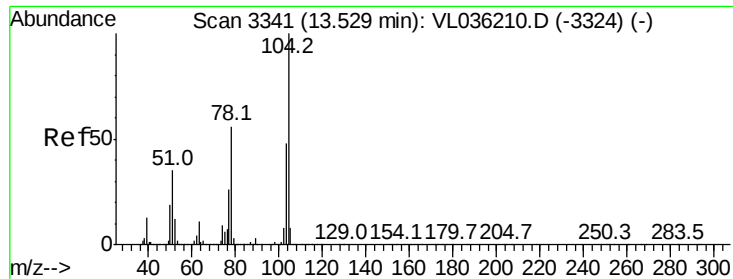
MMDadoda
1/18/2021 3:49:01 PM



#60
o-Xylene
Concen: 12.826 ppbv
RT: 13.69 min Scan# 3392
Delta R.T. 0.00 min
Lab File: VL036216.D
Acq: 13 Jan 2021 6:24

Tgt Ion: 91 Resp: 4664154
Ion Ratio Lower Upper
91 100
106 44.5 21.9 65.8





#61

Stvrene

Concen: 14.827 ppbv

RT: 13.53 min Scan# 3341

Delta R.T. -0.00 min

Lab File: VL036216.D

Acq: 13 Jan 2021 6:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion:104 Resp: 3498890

Ion Ratio Lower Upper

104 100

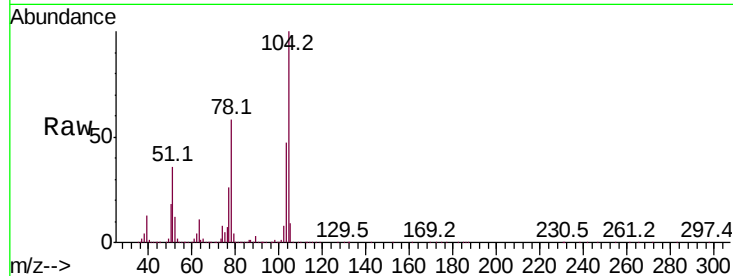
78 58.3 46.8 70.2

103 48.9 38.4 57.6

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MMDadoda

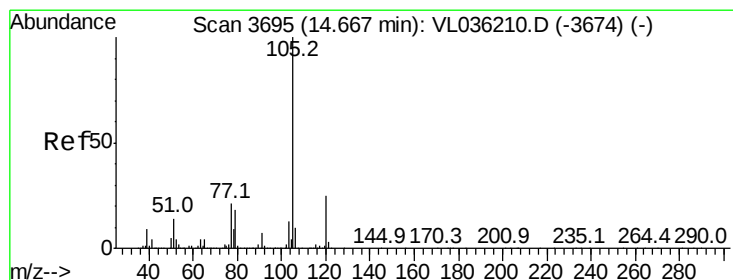
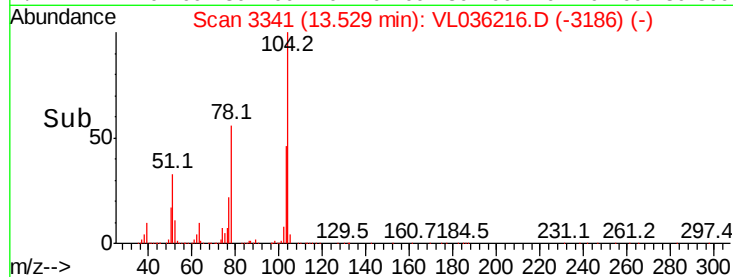
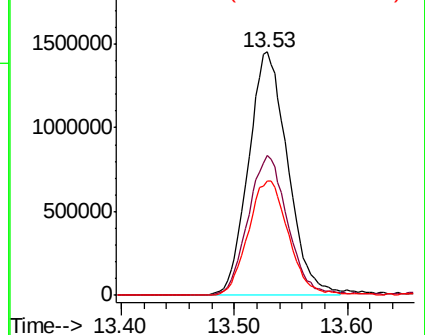
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Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 12.990 ppbv

RT: 14.67 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VL036216.D

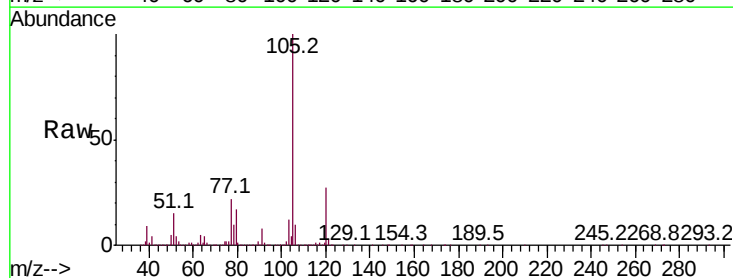
Acq: 13 Jan 2021 6:24

Tgt Ion:105 Resp: 7027060

Ion Ratio Lower Upper

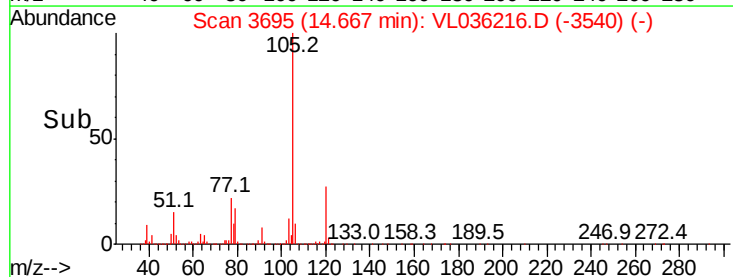
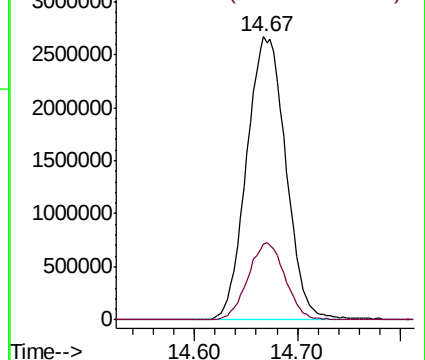
105 100

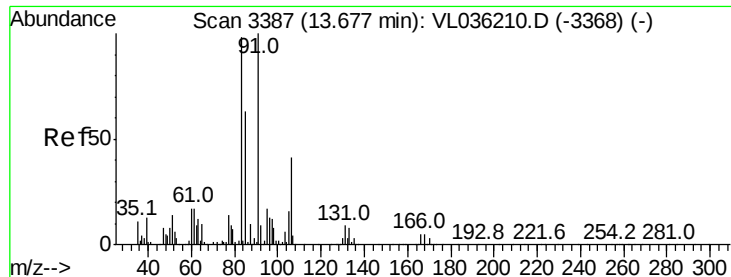
120 26.2 20.3 30.5



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





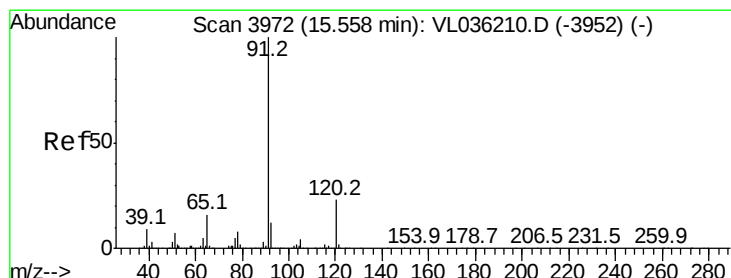
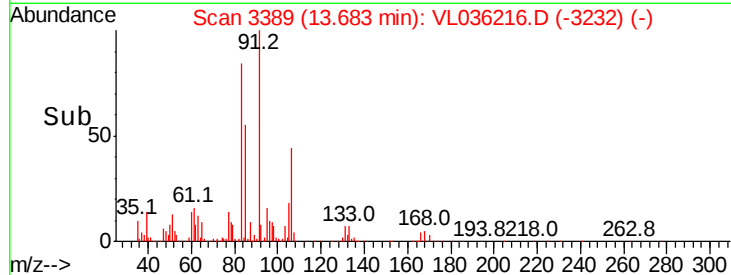
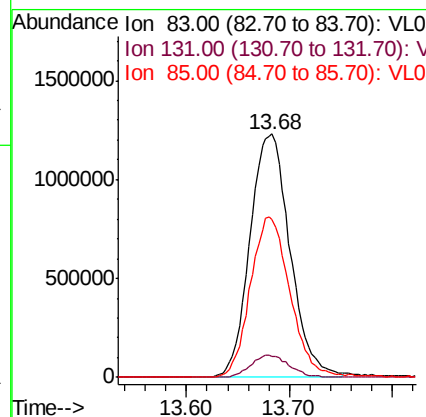
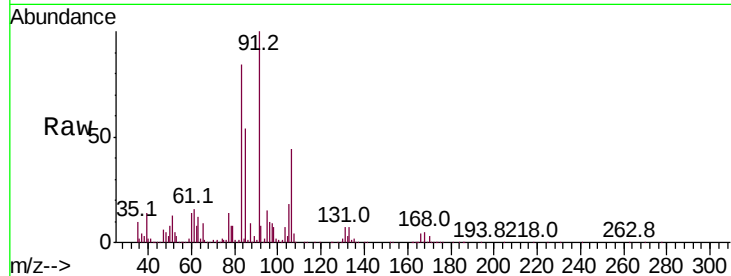
#63
1,1,2,2-Tetrachloroethane
Concen: 13.423 ppbv
RT: 13.68 min Scan# 3389
Delta R.T. 0.01 min
Lab File: VL036216.D
Acq: 13 Jan 2021 6:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion	83	Resp	3314626
Ion Ratio	100	Lower	Upper
83	100		
131	9.0	4.5	13.5
85	65.6	33.1	99.3

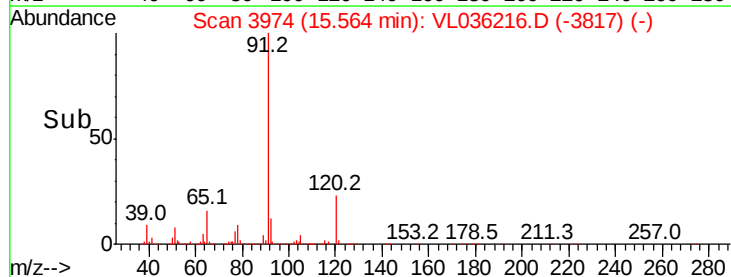
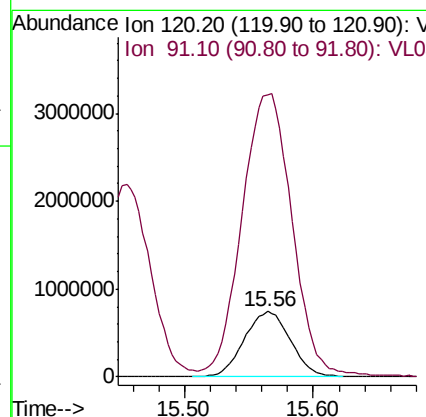
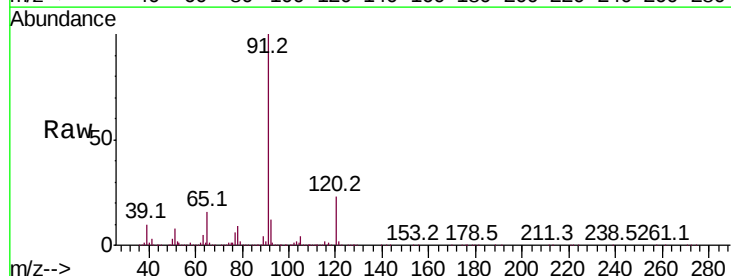
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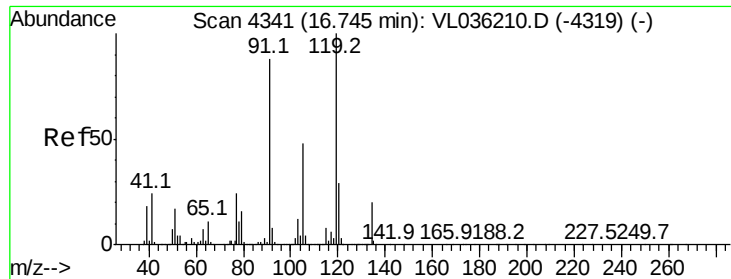
MMDadoda
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#64
n-propylbenzene
Concen: 14.135 ppbv
RT: 15.56 min Scan# 3974
Delta R.T. 0.01 min
Lab File: VL036216.D
Acq: 13 Jan 2021 6:24

Tgt Ion	120	Resp	1851084
Ion Ratio	100	Lower	Upper
120	100		
91	474.0	391.8	587.6





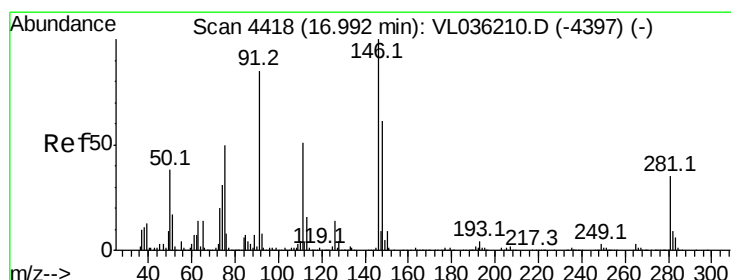
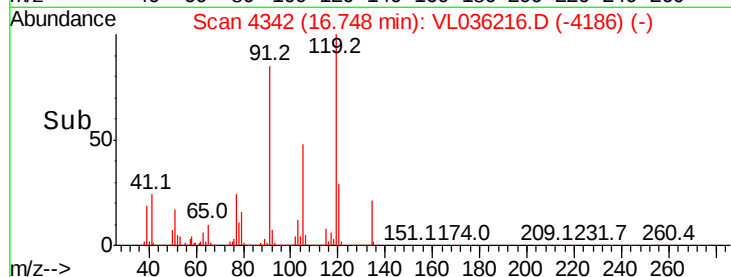
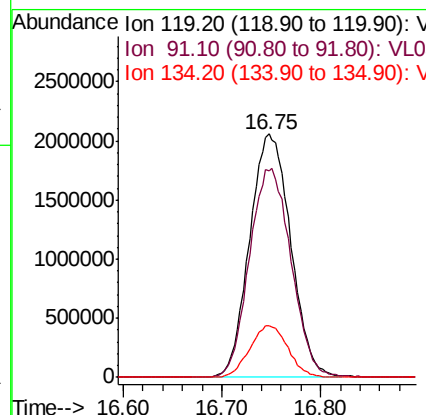
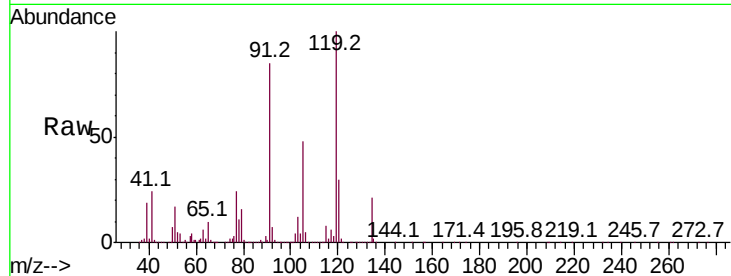
#65
tert-Butylbenzene
Concen: 13.281 ppbv
RT: 16.75 min Scan# 4342
Delta R.T. 0.00 min
Lab File: VL036216.D
Acq: 13 Jan 2021 6:24

Instrument :
MSVOA_L
ClientSampled :
VSTDIC015

Tot Ion: 119 Resp: 5908489
Ion Ratio Lower Upper
119 100
91 87.6 71.0 106.6
134 19.8 15.8 23.6

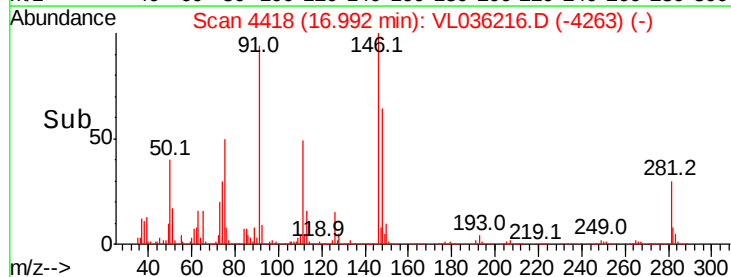
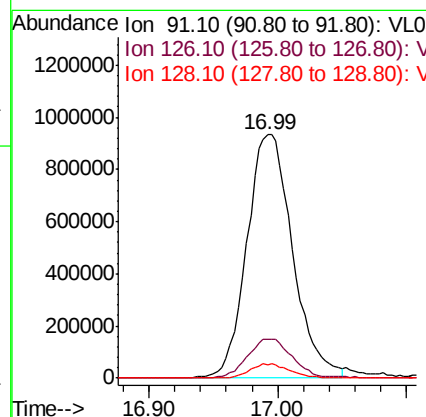
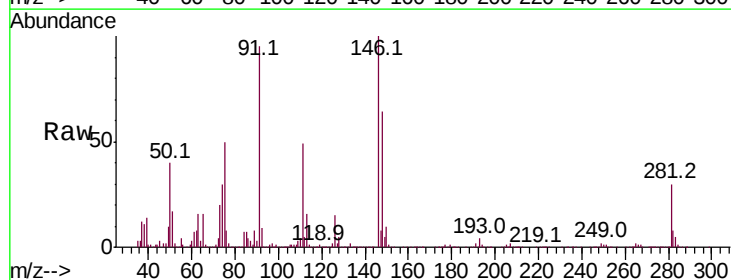
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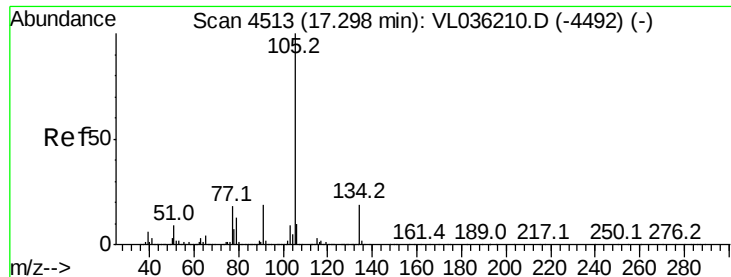
MMDadoda
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#66
Benzyl Chloride
Concen: 20.121 ppbv
RT: 16.99 min Scan# 4418
Delta R.T. -0.00 min
Lab File: VL036216.D
Acq: 13 Jan 2021 6:24

Tgt Ion: 91 Resp: 2296573
Ion Ratio Lower Upper
91 100
126 16.3 12.6 19.0
128 5.4 3.8 5.6





#67

sec-Butylbenzene

Concen: 13.465 ppbv

RT: 17.30 min Scan# 4513

Delta R.T. -0.00 min

Lab File: VL036216.D

Acq: 13 Jan 2021 6:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion:105 Resp: 8465818

Ion Ratio Lower Upper

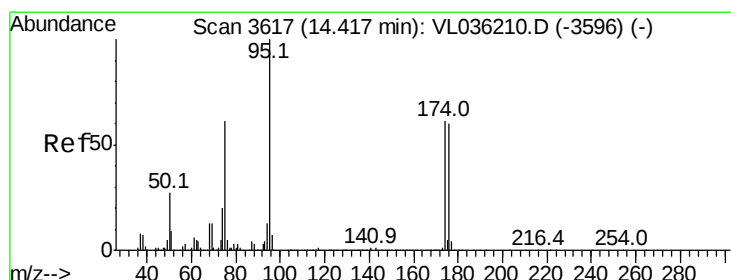
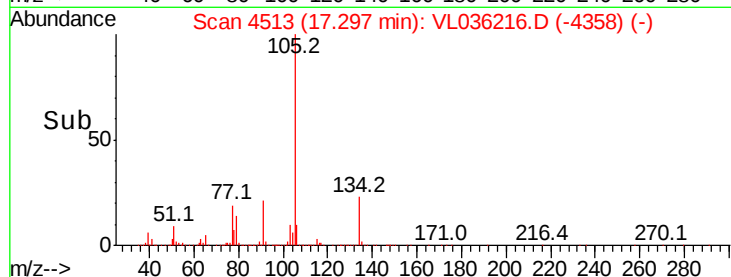
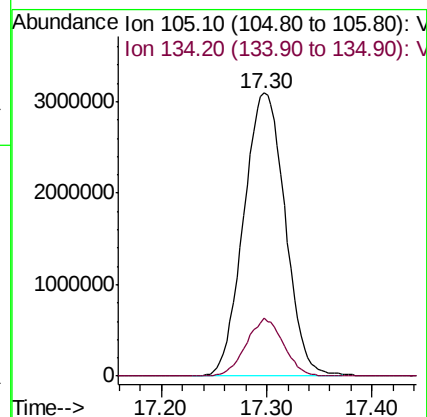
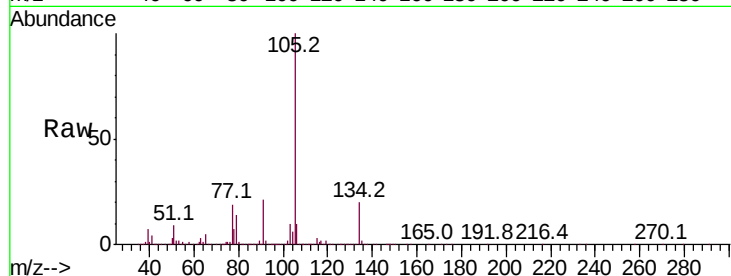
105 100

134 18.4 14.2 21.4

Manual Integrations
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#68

1-Bromo-4-Fluorobenzene

Concen: 10.196 ppbv

RT: 14.42 min Scan# 3617

Delta R.T. -0.00 min

Lab File: VL036216.D

Acq: 13 Jan 2021 6:24

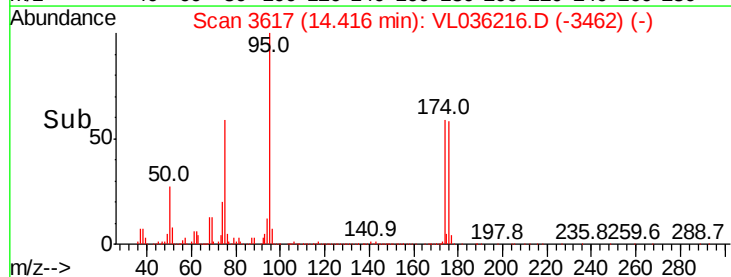
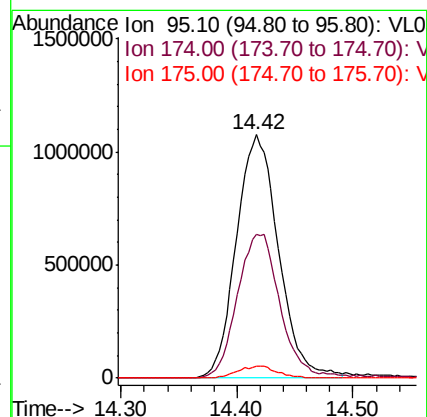
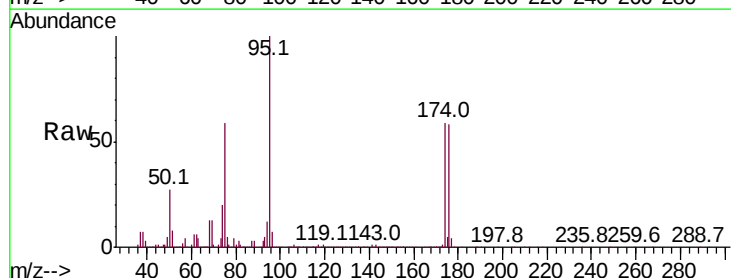
Tgt Ion: 95 Resp: 2717176

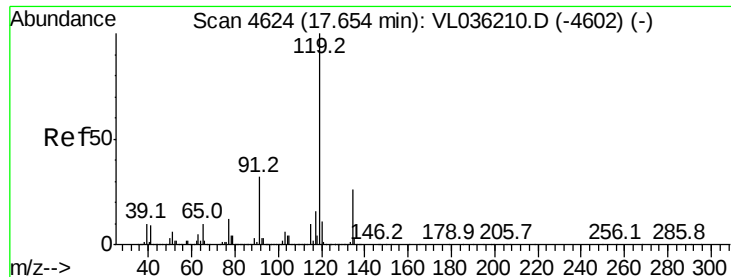
Ion Ratio Lower Upper

95 100

174 61.3 49.4 74.0

175 4.8 3.8 5.8





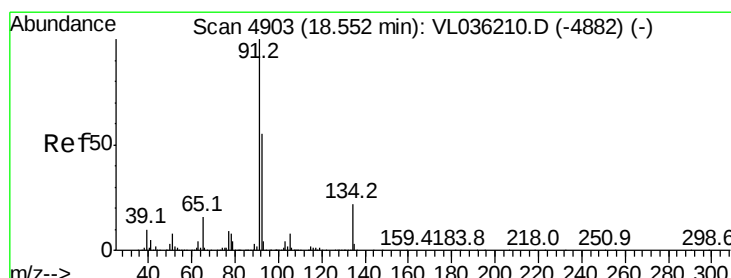
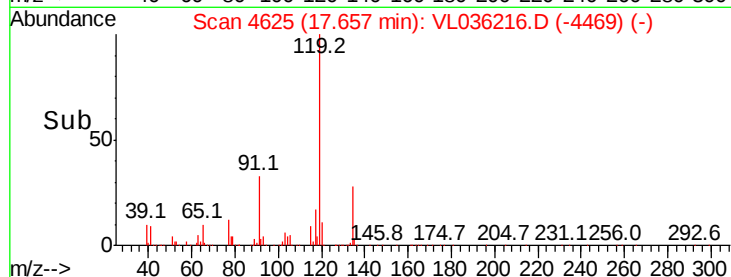
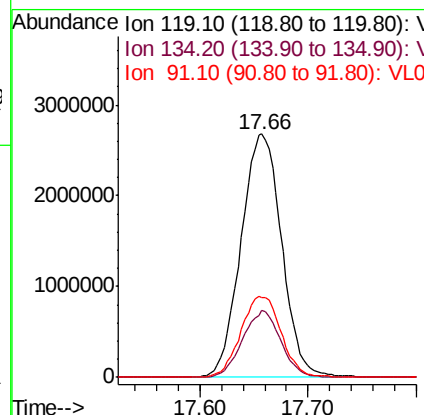
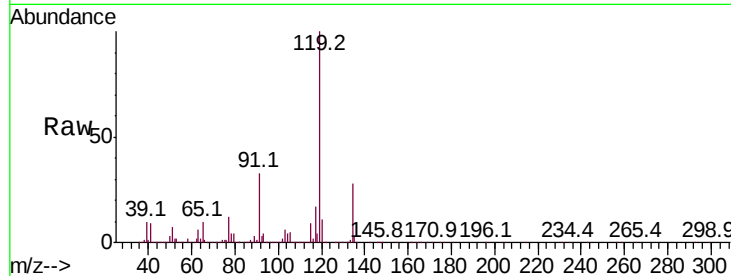
#69
 p-Isopropyltoluene
 Concen: 14.007 ppbv
 RT: 17.66 min Scan# 4625
 Delta R.T. 0.00 min
 Lab File: VL036216.D
 Acq: 13 Jan 2021 6:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.9	20.2	30.4
91	33.2	26.0	39.0

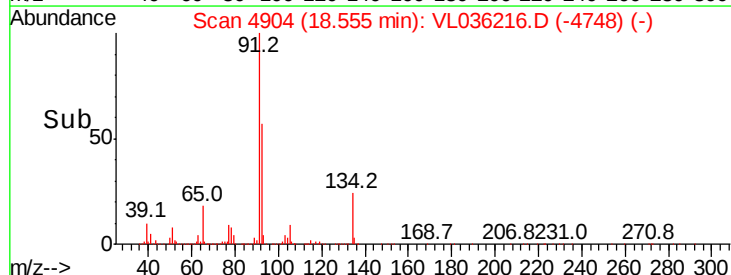
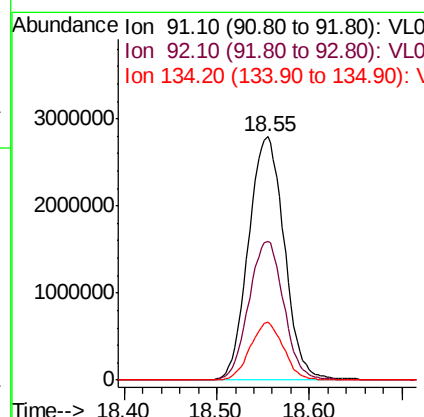
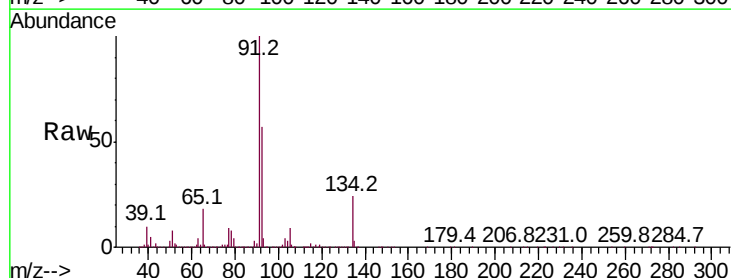
Manual Integrations
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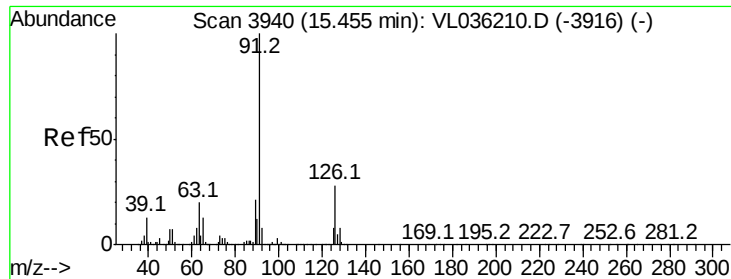
MMDadoda
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#70
 n-Butylbenzene
 Concen: 14.903 ppbv
 RT: 18.55 min Scan# 4904
 Delta R.T. 0.00 min
 Lab File: VL036216.D
 Acq: 13 Jan 2021 6:24

Tgt Ion	Ratio	Lower	Upper
91	100		
92	55.8	44.0	66.0
134	22.3	17.0	25.4





#71

2-Chlorotoluene

Concen: 13.710 ppbv

RT: 15.45 min Scan# 3940

Delta R.T. -0.00 min

Lab File: VL036216.D

Acq: 13 Jan 2021 6:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 91 Resp: 5665314

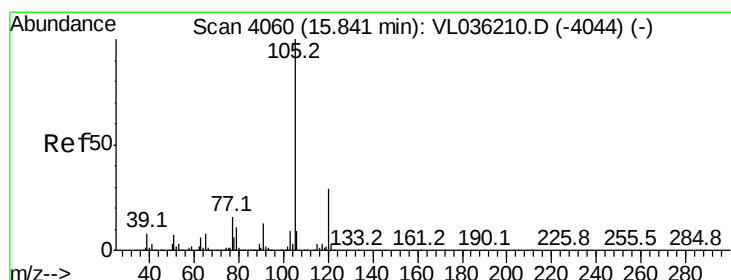
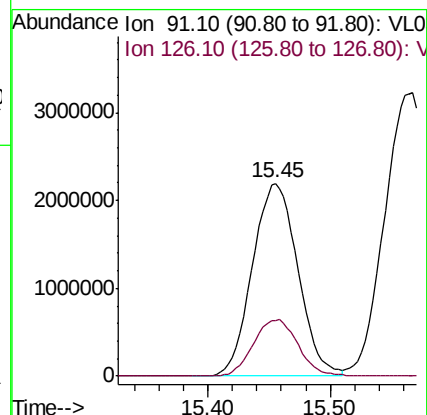
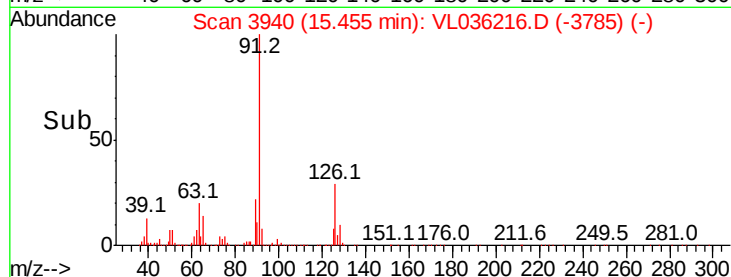
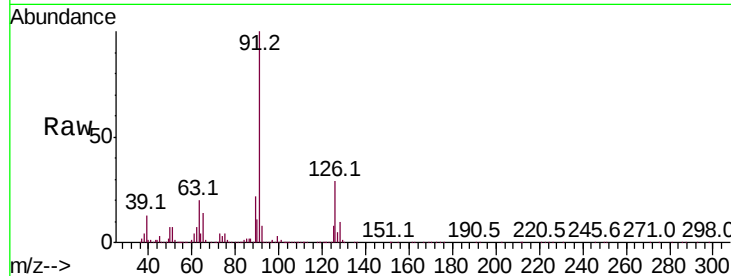
Ion Ratio Lower Upper

91 100

126 29.2 11.5 45.9

Manual Integrations
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#72

4-Ethyltoluene

Concen: 14.161 ppbv

RT: 15.84 min Scan# 4061

Delta R.T. 0.00 min

Lab File: VL036216.D

Acq: 13 Jan 2021 6:24

Tgt Ion:105 Resp: 5647754

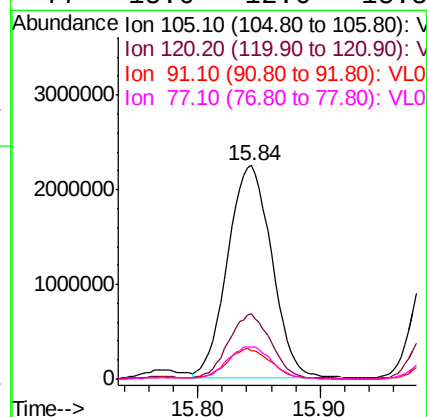
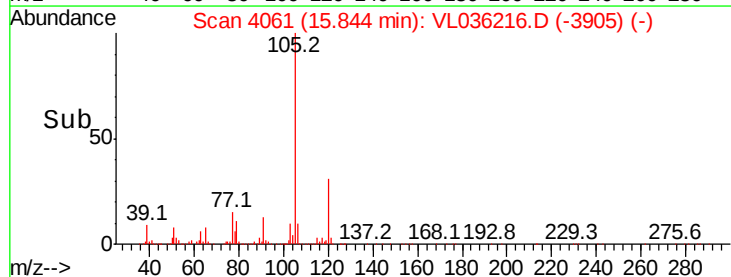
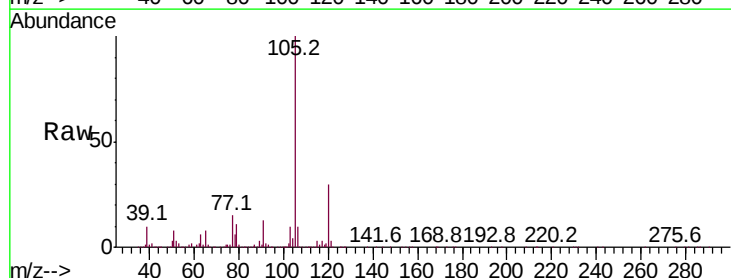
Ion Ratio Lower Upper

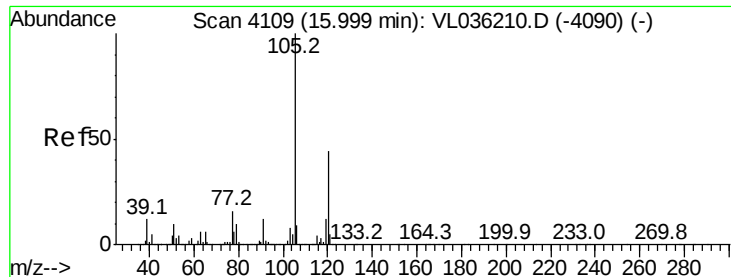
105 100

120 29.8 23.7 35.5

91 14.1 11.9 17.9

77 15.6 12.6 18.8





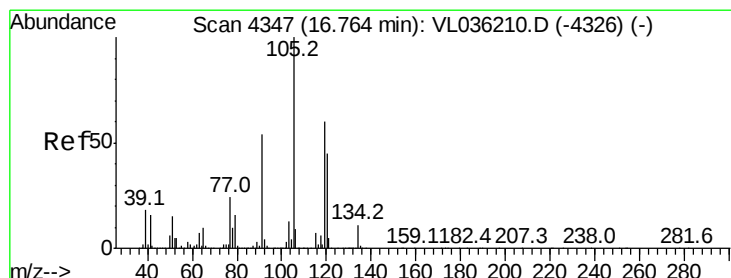
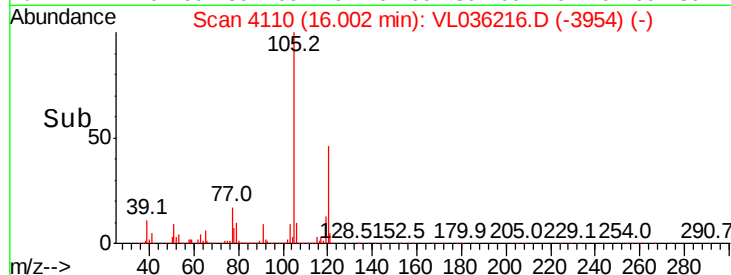
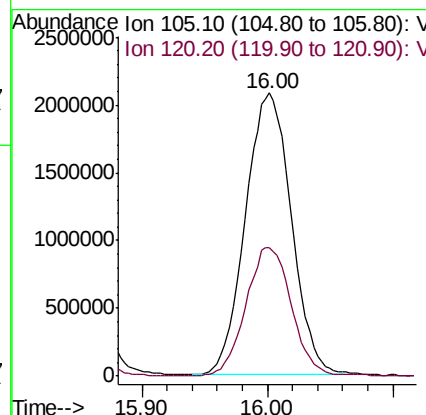
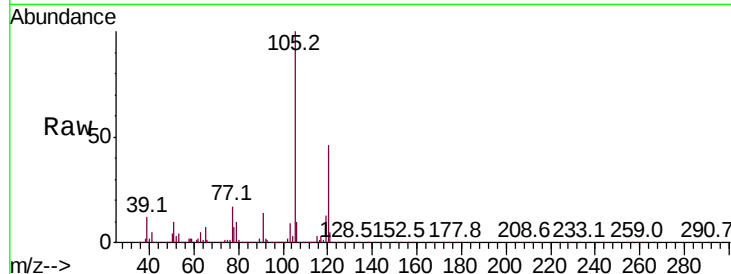
#73
 1,3,5-Trimethylbenzene
 Concen: 13.853 ppbv
 RT: 16.00 min Scan# 4110
 Delta R.T. 0.00 min
 Lab File: VL036216.D
 Acq: 13 Jan 2021 6:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion:105 Resp: 5288020
 Ion Ratio Lower Upper
 105 100
 120 45.7 35.5 53.3

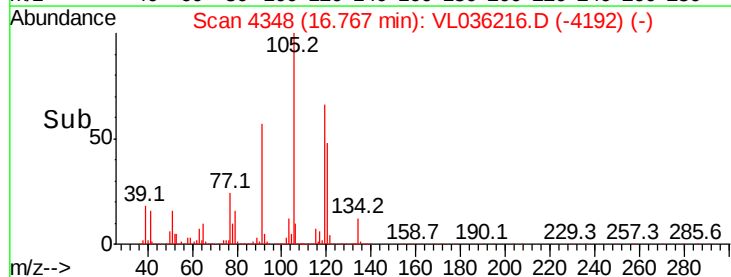
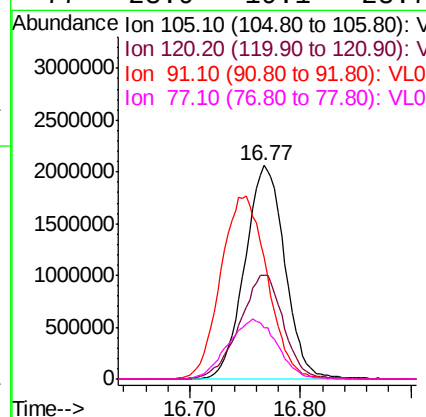
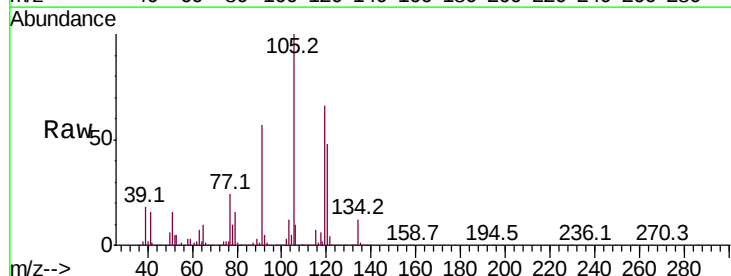
Manual Integrations
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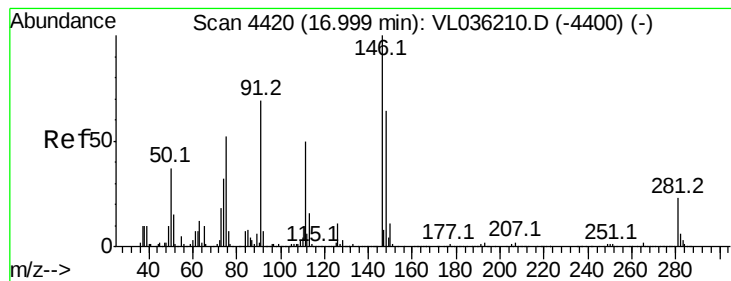
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 1/18/2021 3:49:01 PM



#74
 1,2,4-Trimethylbenzene
 Concen: 13.481 ppbv
 RT: 16.77 min Scan# 4348
 Delta R.T. 0.00 min
 Lab File: VL036216.D
 Acq: 13 Jan 2021 6:24

Tgt Ion:105 Resp: 5161094
 Ion Ratio Lower Upper
 105 100
 120 47.9 36.2 54.2
 91 56.4 43.3 64.9
 77 23.9 19.1 28.7





#75

1,3-Dichlorobenzene

Concen: 15.003 ppbv

RT: 17.00 min Scan# 4421

Delta R.T. 0.00 min

Lab File: VL036216.D

Acq: 13 Jan 2021 6:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion:146 Resp: 2898848

Ion Ratio Lower Upper

146 100

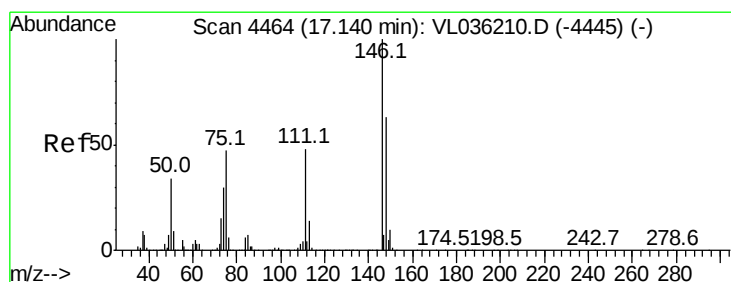
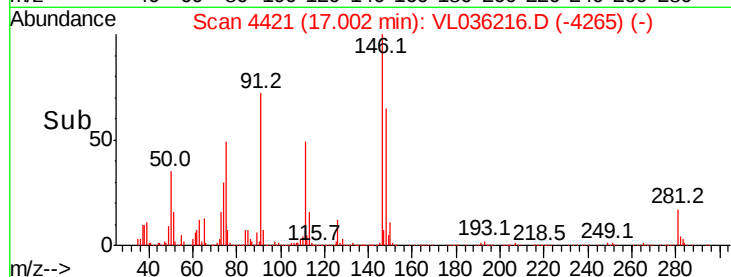
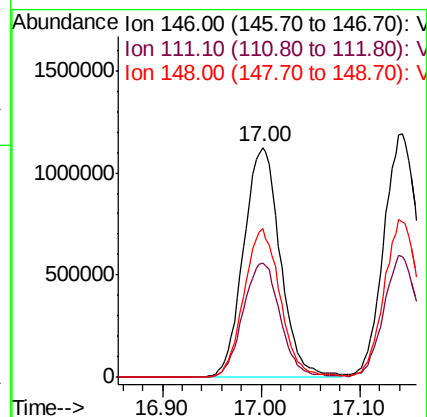
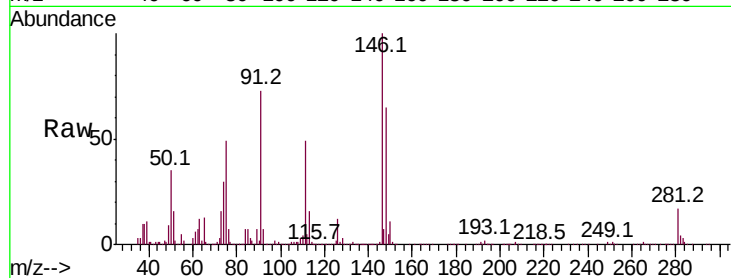
111 50.3 25.5 76.5

148 64.0 32.4 97.2

Manual Integrations
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#76

1,4-Dichlorobenzene

Concen: 14.870 ppbv

RT: 17.14 min Scan# 4465

Delta R.T. 0.00 min

Lab File: VL036216.D

Acq: 13 Jan 2021 6:24

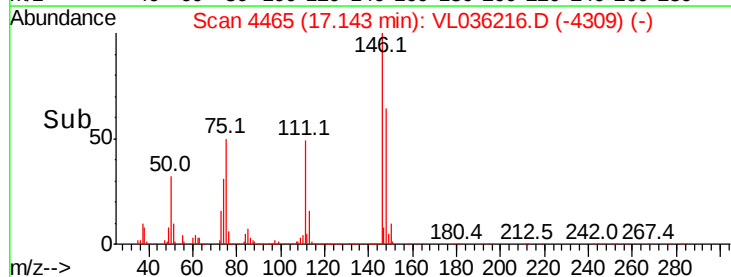
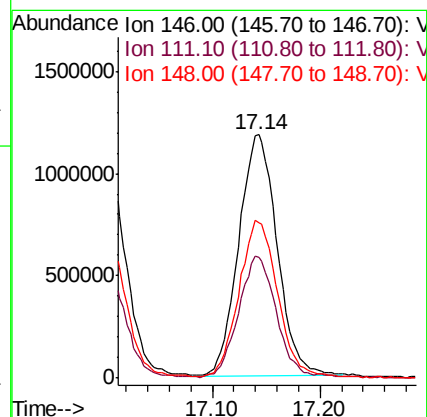
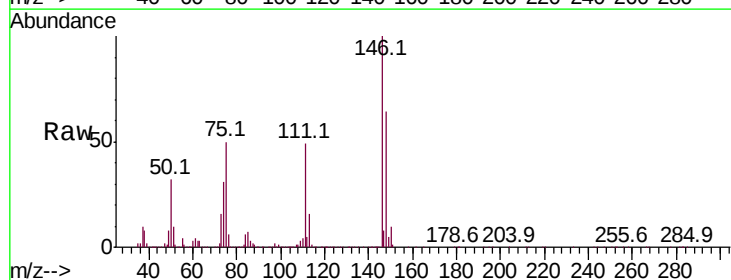
Tgt Ion:146 Resp: 2925226

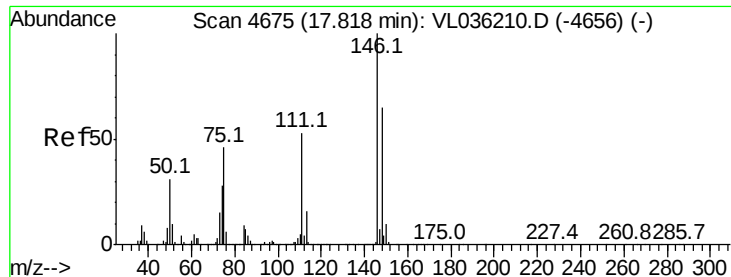
Ion Ratio Lower Upper

146 100

111 50.1 25.4 76.0

148 66.5 33.3 99.9





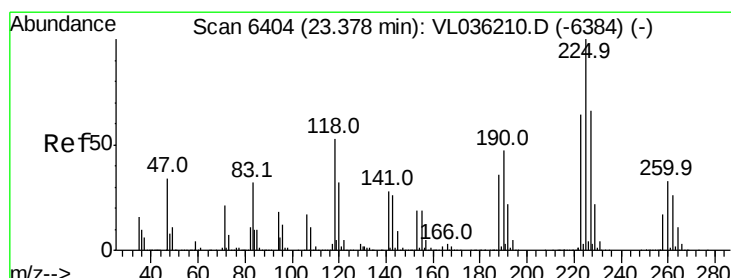
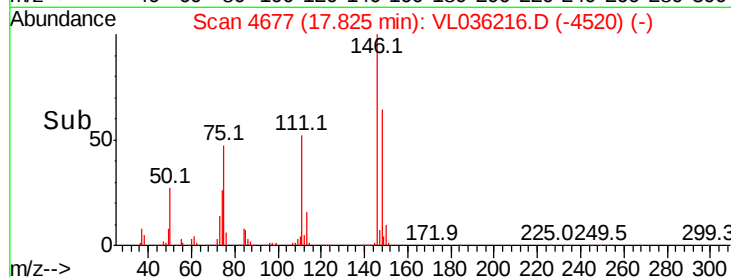
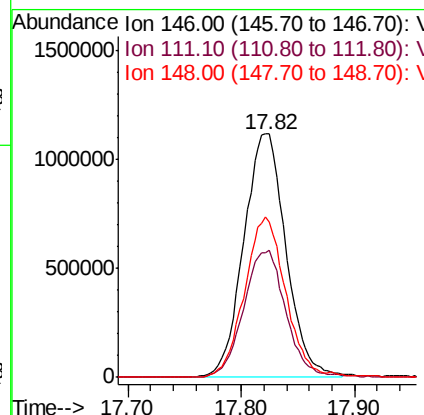
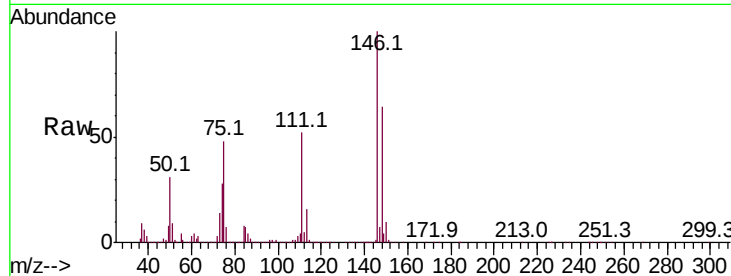
#77
 1,2-Dichlorobenzene
 Concen: 15.434 ppbv
 RT: 17.82 min Scan# 4677
 Delta R.T. 0.01 min
 Lab File: VL036216.D
 Acq: 13 Jan 2021 6:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion	Ratio	Lower	Upper
146	100		
111	52.2	26.5	79.4
148	64.8	32.8	98.4

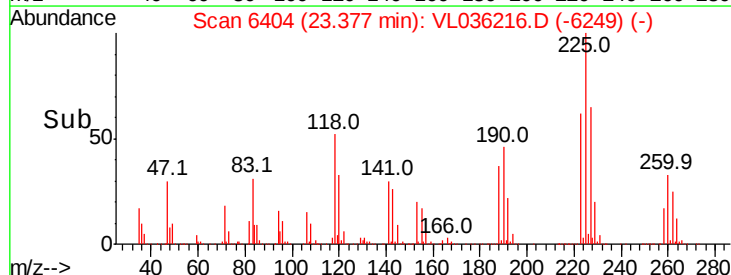
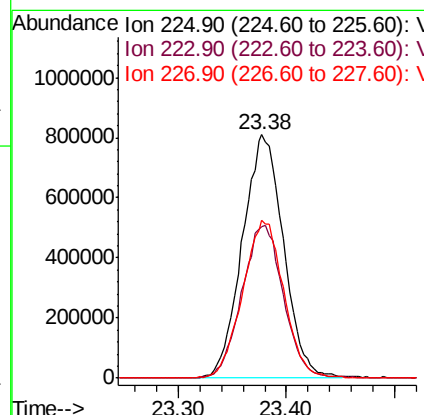
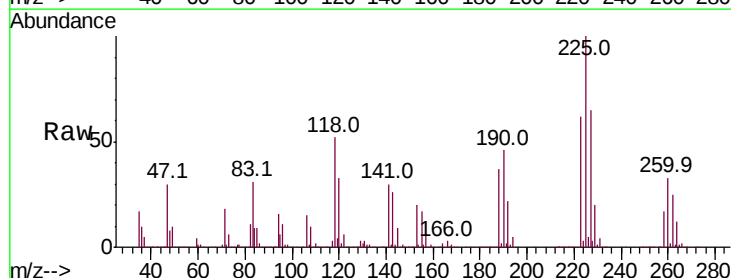
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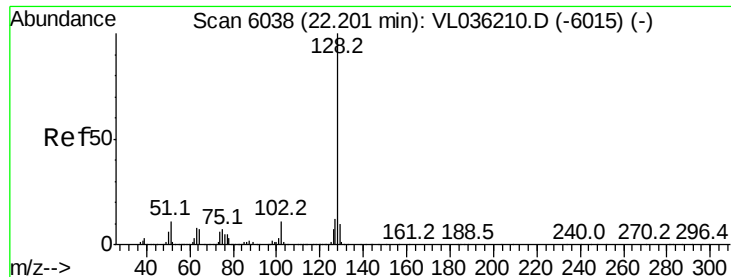
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#78
 Hexachloro-1,3-Butadiene
 Concen: 14.469 ppbv
 RT: 23.38 min Scan# 6404
 Delta R.T. -0.00 min
 Lab File: VL036216.D
 Acq: 13 Jan 2021 6:24

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.8	50.5	75.7
227	65.1	51.7	77.5





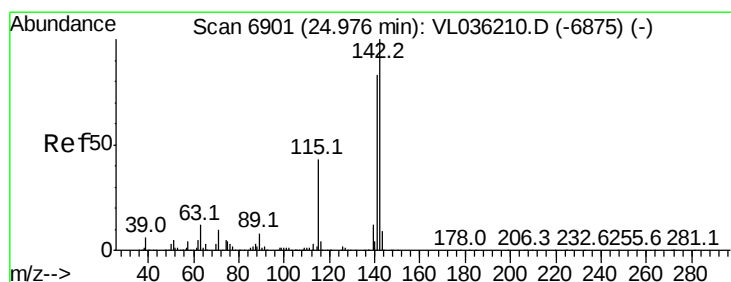
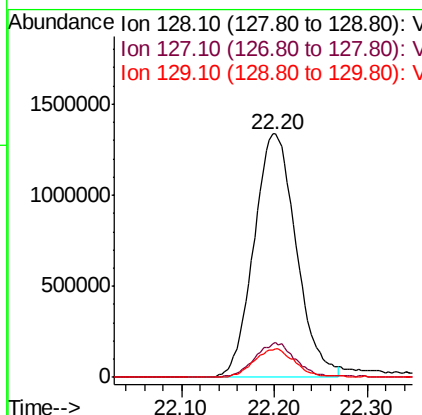
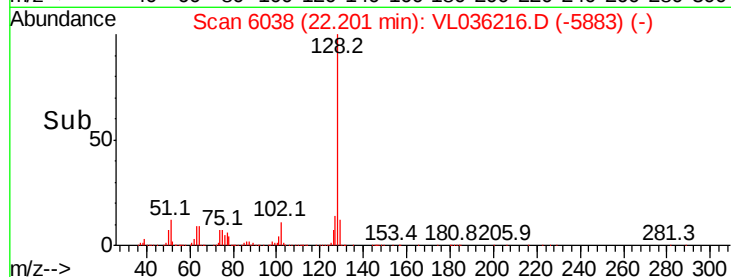
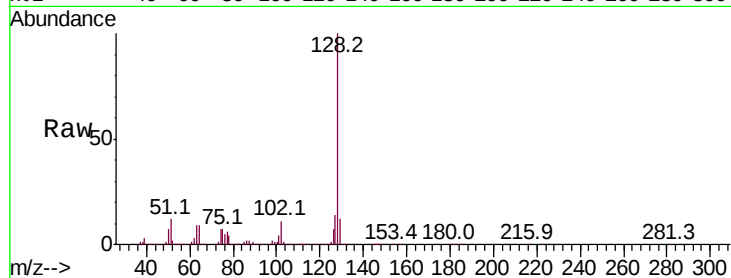
#79
Naphthalene
Concen: 20.673 ppbv
RT: 22.20 min Scan# 6038
Delta R.T. -0.00 min
Lab File: VL036216.D
Acq: 13 Jan 2021 6:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion:	128	Resp:	4236197
Ion	Ratio	Lower	Upper
128	100		
127	14.4	9.9	14.9
129	11.6	8.4	12.6

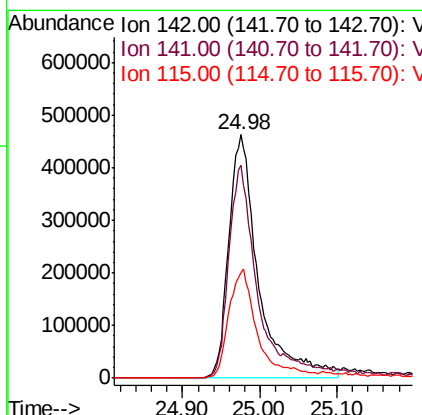
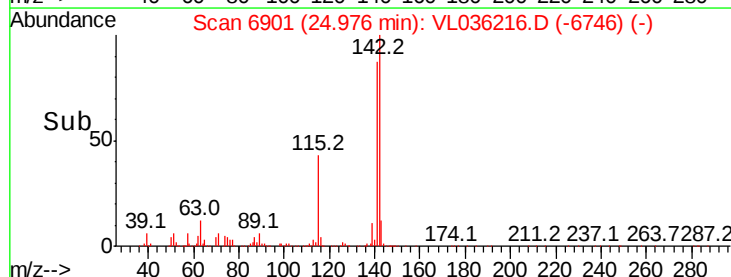
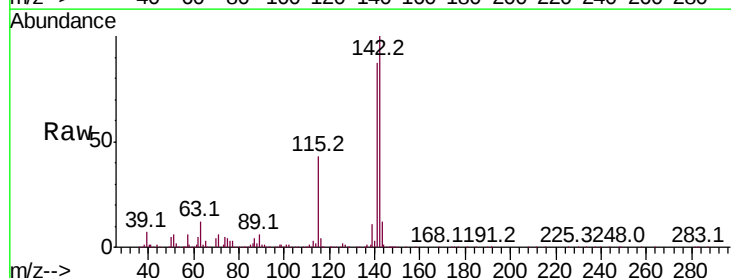
Manual Integrations
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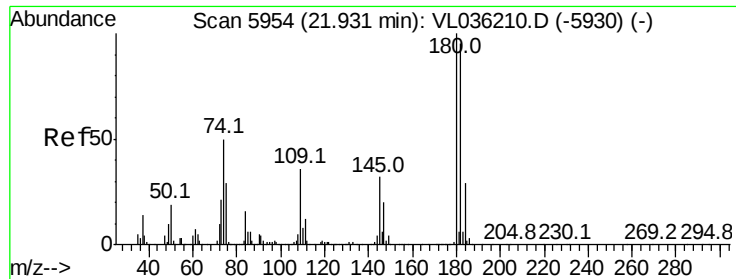
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#80
Naphthalene, 2-methyl-
Concen: 29.527 ppbv
RT: 24.98 min Scan# 6901
Delta R.T. -0.00 min
Lab File: VL036216.D
Acq: 13 Jan 2021 6:24

Tgt Ion:	142	Resp:	1236134
Ion	Ratio	Lower	Upper
142	100		
141	88.1	68.6	102.8
115	45.6	32.9	49.3





#81
 1,2,4-Trichlorobenzene
 Concen: 17.045 ppbv m
 RT: 21.93 min Scan# 5954
 Delta R.T. -0.00 min
 Lab File: VL036216.D
 Acq: 13 Jan 2021 6:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.8	79.9	119.9
184	31.4	25.6	38.4

Manual Integrations
 APPROVED

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