

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL022421\
 Data File : VL036375.D
 Acq On : 25 Feb 2021 7:24
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 2/26/2021 4:18:17 PM

Quant Time: Feb 25 08:11:35 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 10 16:04:02 2021
 QLast Update : Wed Feb 10 16:04:02 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1568252	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.17	114	3659589	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.09	117	3329419m	10.00	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2889934	10.55	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	2165229	9.251	ppbv	99
3) Chlorodifluoromethane	2.98	51	1884014	9.669	ppbv	99
4) Chloromethane	3.13	50	954430	10.139	ppbv	98
5) Vinyl Chloride	3.25	62	919106	10.485	ppbv	100
6) Bromomethane	3.47	94	538299	10.331	ppbv	98
7) Chloroethane	3.55	64	316053	10.154	ppbv	97
8) Dichlorotetrafluoroethane	3.18	85	2133877	10.024	ppbv	98
9) Propene	3.00	41	863570	11.887	ppbv	100
10) Heptane	8.12	43	2205853	10.303	ppbv	99
11) Trichlorofluoromethane	3.94	101	2250331	9.819	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1433902	10.100	ppbv	100
13) Ethanol	3.60	45	140212m	10.275	ppbv	
14) Bromoethene	3.74	108	618752	10.414	ppbv	98
15) Acetone	3.84	43	1798792	9.383	ppbv	98
16) 1,3-Butadiene	3.32	39	918086	10.015	ppbv	98
17) tert-Butyl alcohol	4.29	59	1713414	11.514	ppbv	100
18) 1,1-Dichloroethene	4.28	96	635067	9.843	ppbv	98
19) Isopropyl Alcohol	3.96	45	1140492	10.738	ppbv	100
20) Methylene Chloride	4.34	84	526076	8.506	ppbv	97
21) Allyl Chloride	4.41	41	1059800	9.930	ppbv	99
22) trans-1,2-Dichloroethene	4.88	96	587320	10.022	ppbv	96
23) Vinyl Acetate	5.07	43	2285864	10.141	ppbv #	97
24) 1,1-Dichloroethane	5.01	63	1713682	10.280	ppbv	99
25) Ethyl Acetate	5.67	43	3716053	10.041	ppbv	99
26) Hexane	5.68	57	1495589	9.836	ppbv	99
27) Carbon Disulfide	4.55	76	1514115	10.834	ppbv	99
28) Methyl tert-Butyl Ether	5.03	73	2103202	10.588	ppbv	98
29) Chloroform	5.75	83	2426477	9.905	ppbv	97
30) Cyclohexane	7.13	84	1259465	9.959	ppbv	98
31) cis-1,2-Dichloroethene	5.55	61	1524033	10.129	ppbv	94
32) 1,1,1-Trichloroethane	6.51	97	2357368	10.293	ppbv	98
34) 2-Butanone	5.24	43	2347964	9.656	ppbv	99
35) Carbon Tetrachloride	7.01	117	2399114	9.782	ppbv	98
36) Benzene	6.89	78	3151185	10.137	ppbv	99
37) 1,2-Dichloroethane	6.30	62	1871857	9.739	ppbv	99
38) Trichloroethene	7.83	130	1071653	9.623	ppbv	95
39) 1,2-Dichloropropane	7.61	63	1257783	9.960	ppbv	95
40) 1,4-Dioxane	7.83	88	406048	9.280	ppbv #	23
41) Tetrahydrofuran	6.05	42	1397086	10.296	ppbv	99
42) Bromodichloromethane	7.79	83	2563402	9.958	ppbv	98
43) Methyl Methacrylate	8.01	69	1386723	10.577	ppbv	100

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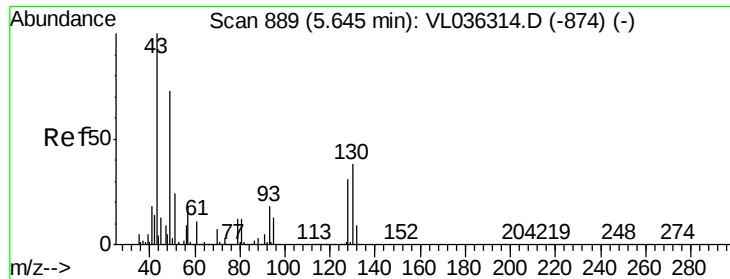
Manual Integrations
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 10
 QLast Update : Wed Feb 10 16:04:02 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	5405375	9.562	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	1441756	11.400	ppbv	98
46) cis-1,3-Dichloropropene	8.70	75	1778932	11.073	ppbv	99
47) 1,1,2-Trichloroethane	9.47	97	1234963	9.556	ppbv	97
48) Dibromochloromethane	10.30	129	2010568	10.426	ppbv	99
49) Bromoform	13.04	173	1581032	10.141	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	3614872	10.014	ppbv	99
51) 2-Hexanone	10.13	43	2917991	10.639	ppbv #	98
52) Tetrachloroethene	11.22	164	1009141	8.867	ppbv	99
53) Toluene	9.81	91	3454113	10.258	ppbv	99
54) 1,2-Dibromoethane	10.61	107	1832405	9.811	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.13	131	1497173	9.777	ppbv #	61
57) Chlorobenzene	12.15	112	2429832	9.446	ppbv	98
58) Ethyl Benzene	12.71	91	4646337	10.191	ppbv	98
59) m/p-Xylene	13.00	91	7814747m	19.515	ppbv	
60) o-Xylene	13.70	91	3682605	9.618	ppbv	100
61) Styrene	13.53	104	2568214	10.823	ppbv	99
62) Isopropylbenzene	14.67	105	5445076	9.487	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.68	83	2532019	8.381	ppbv	99
64) n-propylbenzene	15.56	120	1389444	9.837	ppbv	100
65) tert-Butylbenzene	16.75	119	4574030	9.315	ppbv	98
66) Benzyl Chloride	16.99	91	1547767	11.594	ppbv	99
67) sec-Butylbenzene	17.30	105	6502023	9.182	ppbv	99
69) p-Isopropyltoluene	17.65	119	5379463	9.830	ppbv	99
70) n-Butylbenzene	18.55	91	5699783	9.712	ppbv	99
71) 2-Chlorotoluene	15.45	91	4189229	9.522	ppbv	99
72) 4-Ethyltoluene	15.84	105	4130161	9.693	ppbv	98
73) 1,3,5-Trimethylbenzene	16.00	105	3895632	9.431	ppbv	100
74) 1,2,4-Trimethylbenzene	16.77	105	3978545	9.435	ppbv	95
75) 1,3-Dichlorobenzene	17.00	146	2159047	9.433	ppbv	100
76) 1,4-Dichlorobenzene	17.14	146	2103846	8.852	ppbv	96
77) 1,2-Dichlorobenzene	17.82	146	2097544	9.238	ppbv	99
78) Hexachloro-1,3-Butadiene	23.38	225	1736400	9.360	ppbv	99
79) Naphthalene	22.20	128	3402785	13.613	ppbv	96
80) Naphthalene, 2-methyl-	24.98	142	1036212	22.389	ppbv	97
81) 1,2,4-Trichlorobenzene	21.93	180	1801903	11.815	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. 0.02 min

Lab File: VL036375.D

Acq: 25 Feb 2021 7:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 49 Resp: 1568252

Ion Ratio Lower Upper

49 100

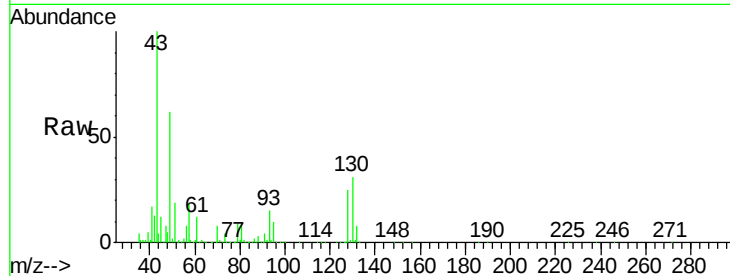
128 43.1 20.8 62.5

130 55.0 26.7 80.1

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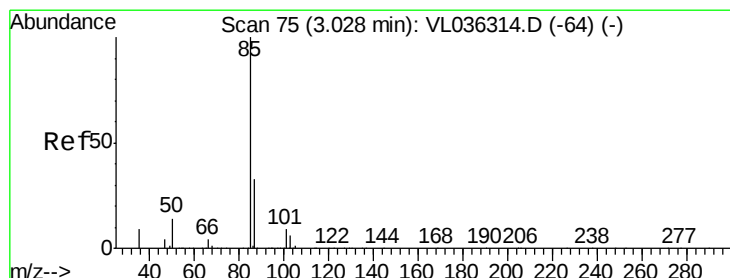
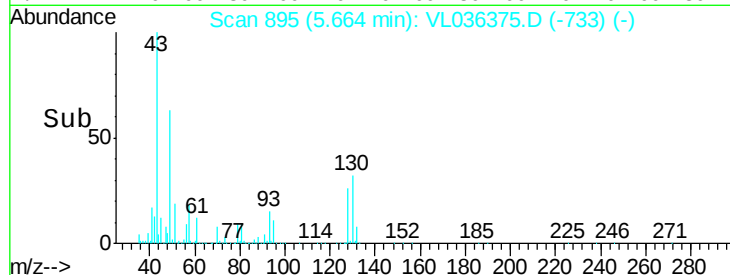
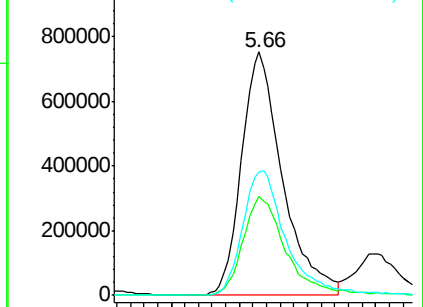
2/26/2021 4:18:17 PM



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 9.251 ppbv

RT: 3.04 min Scan# 79

Delta R.T. 0.01 min

Lab File: VL036375.D

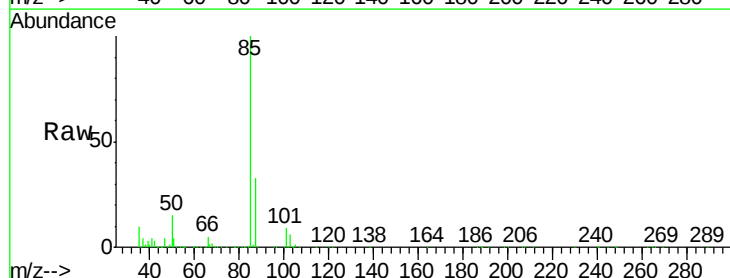
Acq: 25 Feb 2021 7:24

Tgt Ion: 85 Resp: 2165229

Ion Ratio Lower Upper

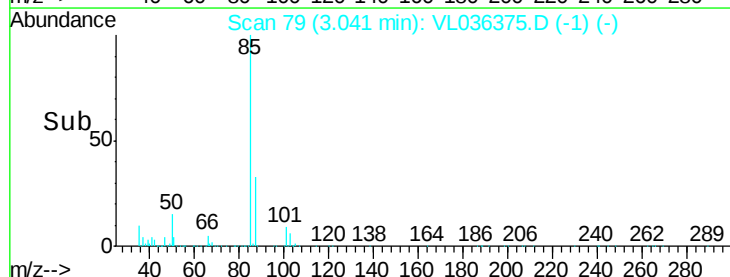
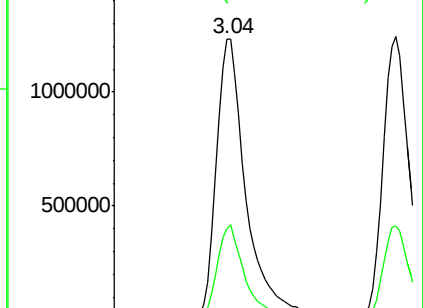
85 100

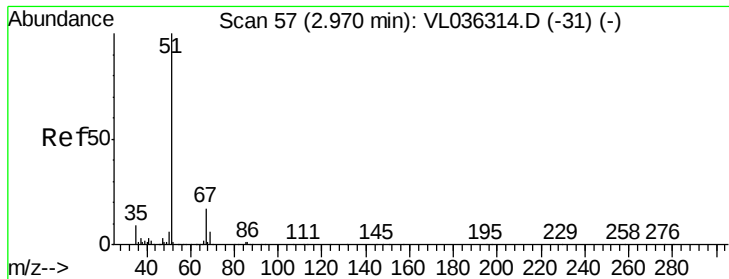
87 32.6 26.5 39.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





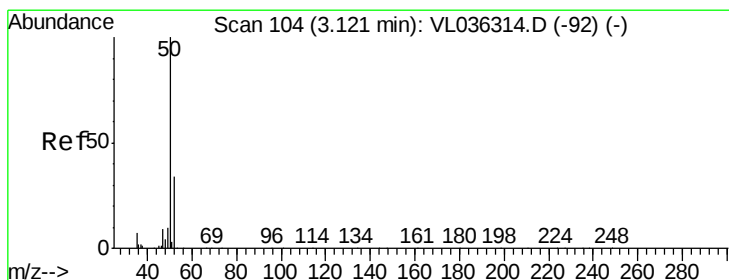
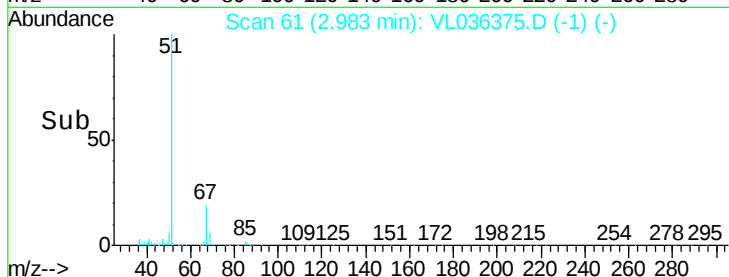
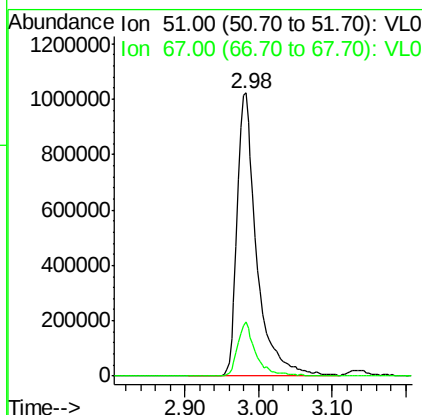
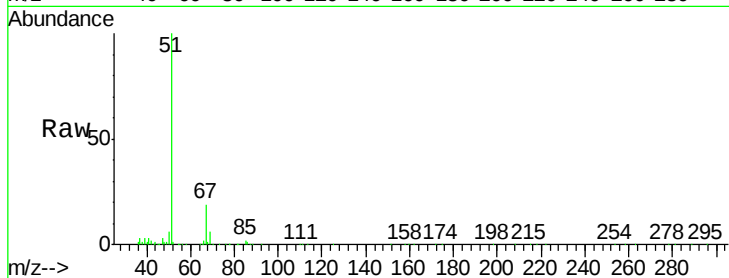
#3
Chlorodifluoromethane
Concen: 9.669 ppbv
RT: 2.98 min Scan# 61
Delta R.T. 0.01 min
Lab File: VL036375.D
Acq: 25 Feb 2021 7:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 51 Resp: 1884014
Ion Ratio Lower Upper
51 100
67 18.0 14.7 22.1

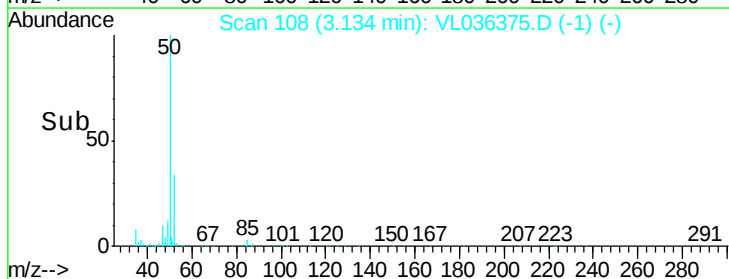
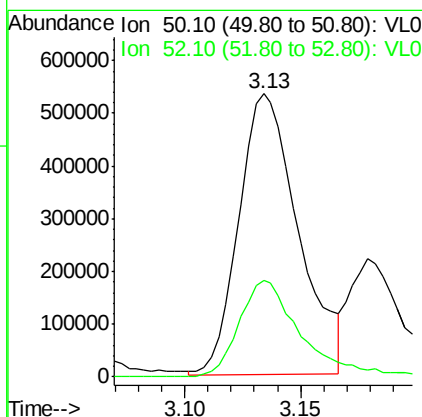
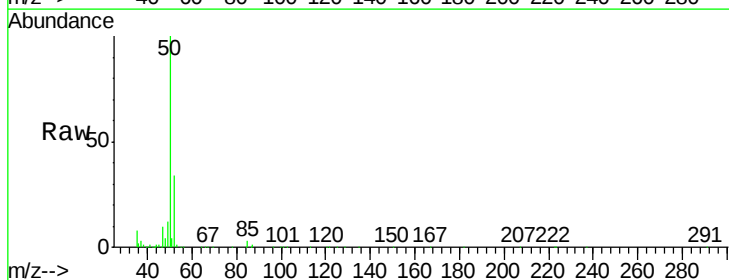
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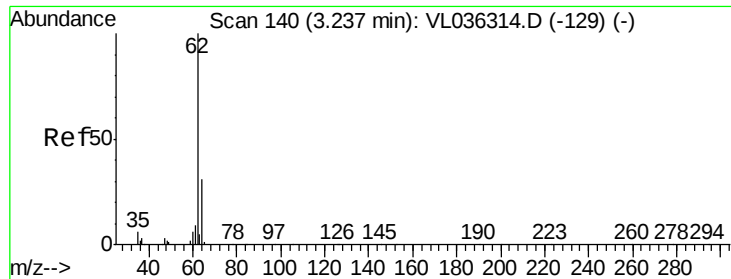
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2/26/2021 4:18:17 PM



#4
Chloromethane
Concen: 10.139 ppbv
RT: 3.13 min Scan# 108
Delta R.T. 0.01 min
Lab File: VL036375.D
Acq: 25 Feb 2021 7:24

Tgt Ion: 50 Resp: 954430
Ion Ratio Lower Upper
50 100
52 34.6 27.0 40.4





#5

Vinyl Chloride

Concen: 10.485 ppbv

RT: 3.25 min Scan# 145

Delta R.T. 0.02 min

Lab File: VL036375.D

Acq: 25 Feb 2021 7:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 62 Resp: 919106

Ion Ratio Lower Upper

62 100

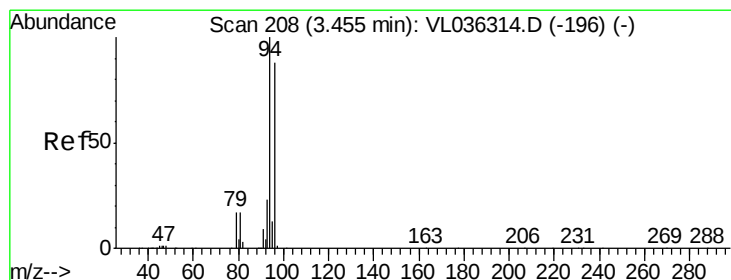
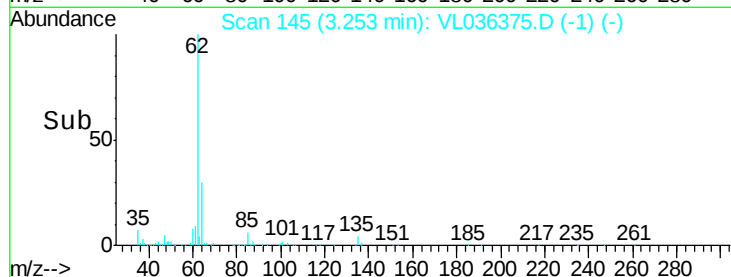
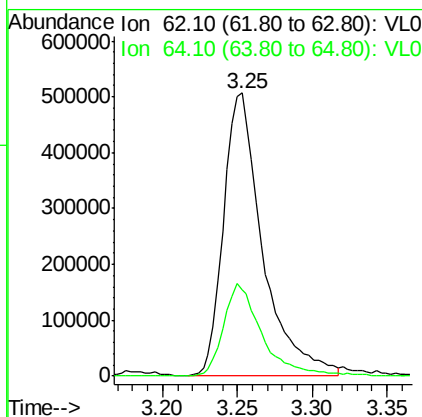
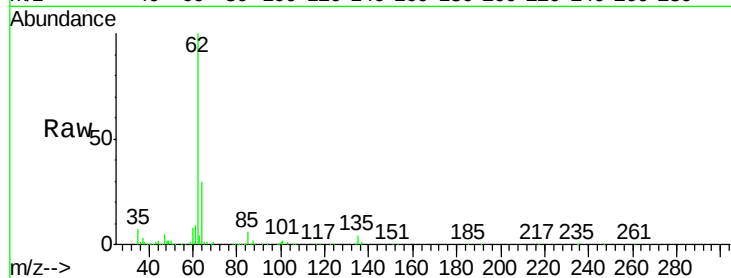
64 30.5 24.4 36.6

Manual Integrations

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2/26/2021 4:18:17 PM



#6

Bromomethane

Concen: 10.331 ppbv

RT: 3.47 min Scan# 212

Delta R.T. 0.01 min

Lab File: VL036375.D

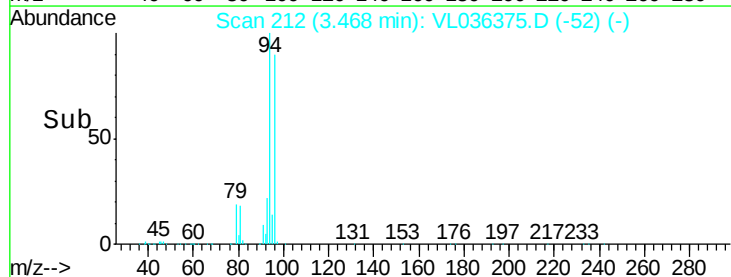
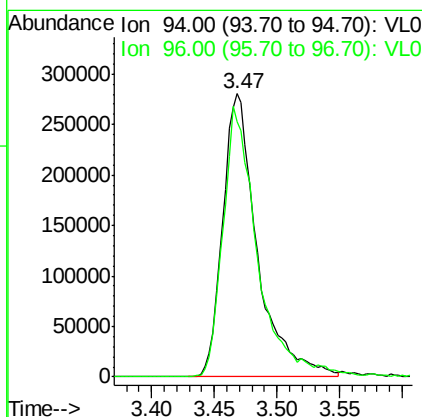
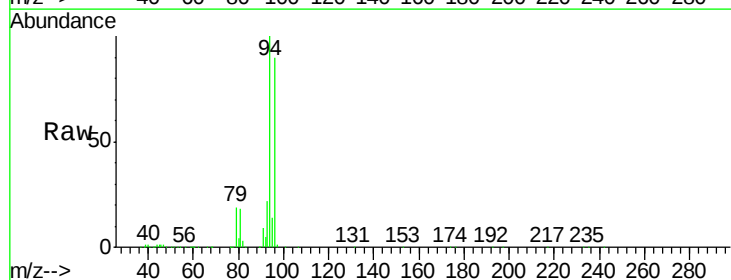
Acq: 25 Feb 2021 7:24

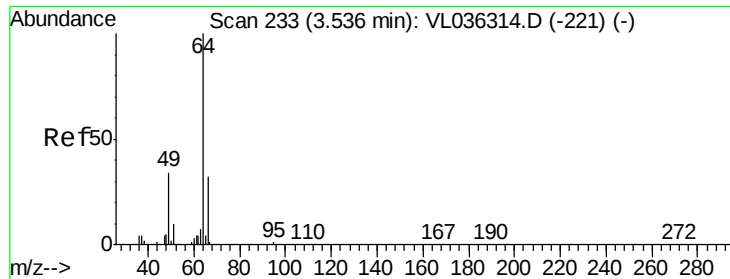
Tgt Ion: 94 Resp: 538299

Ion Ratio Lower Upper

94 100

96 90.2 70.8 106.2





#7

Chloroethane

Concen: 10.154 ppbv

RT: 3.55 min Scan# 238

Delta R.T. 0.02 min

Lab File: VL036375.D

Acq: 25 Feb 2021 7:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 64 Resp: 316053

Ion Ratio Lower Upper

64 100

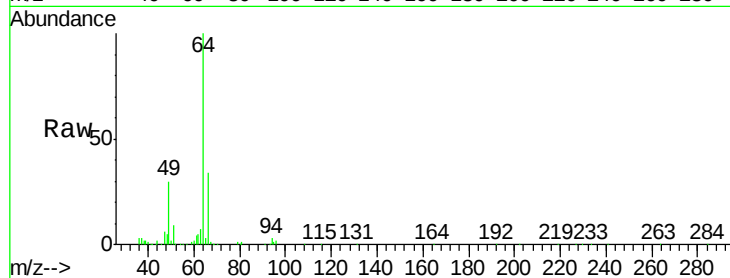
66 33.5 25.6 38.4

Manual Integrations

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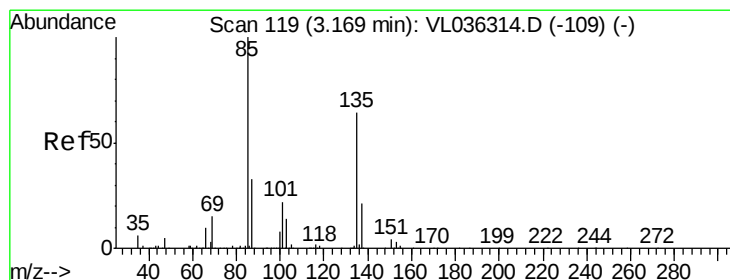
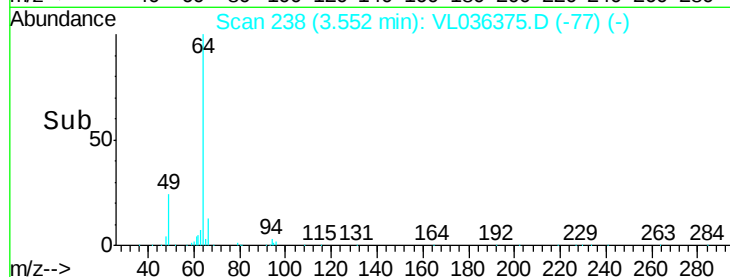
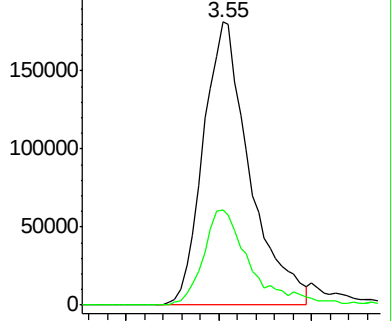
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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 10.024 ppbv

RT: 3.18 min Scan# 123

Delta R.T. 0.01 min

Lab File: VL036375.D

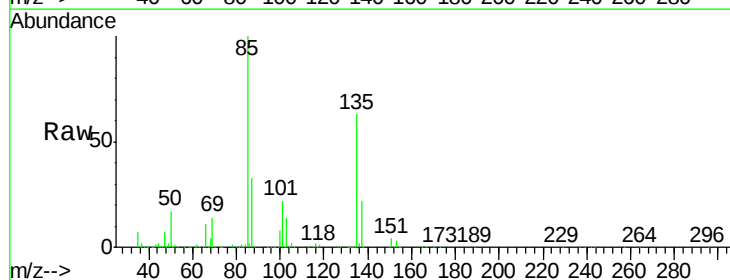
Acq: 25 Feb 2021 7:24

Tgt Ion: 85 Resp: 2133877

Ion Ratio Lower Upper

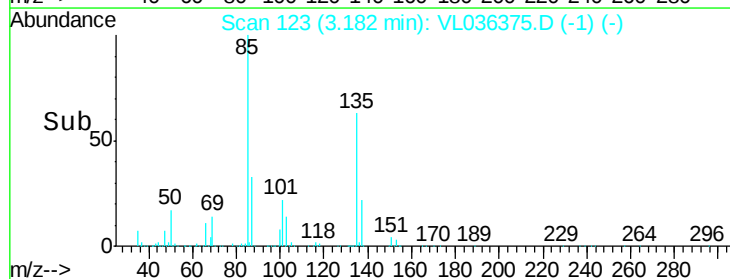
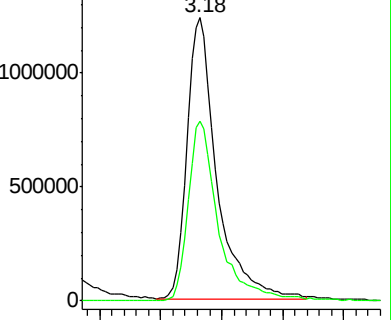
85 100

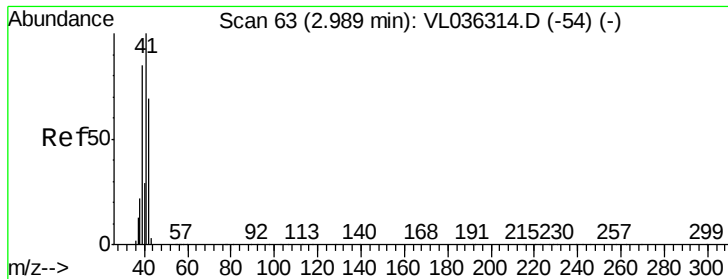
135 65.2 51.1 76.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 11.887 ppbv

RT: 3.00 min Scan# 67

Delta R.T. 0.01 min

Lab File: VL036375.D

Acq: 25 Feb 2021 7:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 41 Resp: 863570

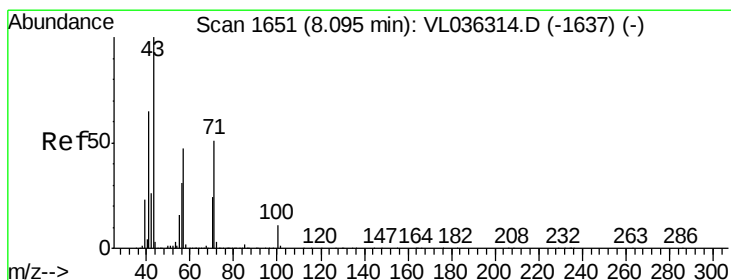
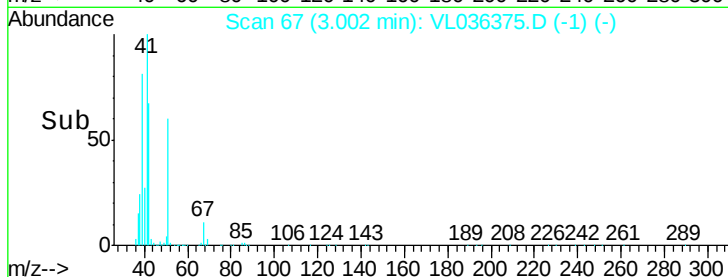
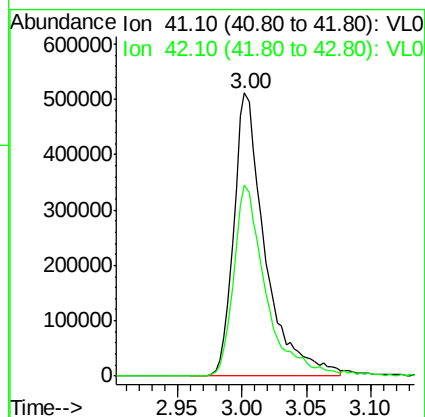
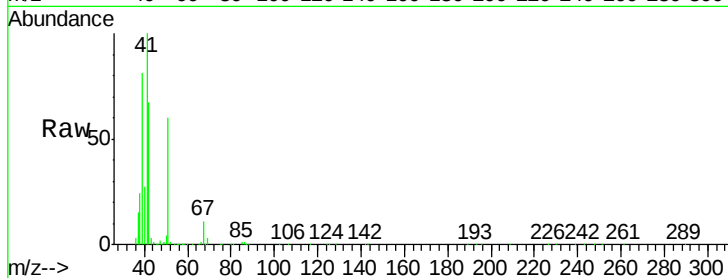
Ion Ratio Lower Upper

41 100

42 70.1 56.2 84.2

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2/26/2021 4:18:17 PM



#10

Heptane

Concen: 10.303 ppbv

RT: 8.12 min Scan# 1659

Delta R.T. 0.03 min

Lab File: VL036375.D

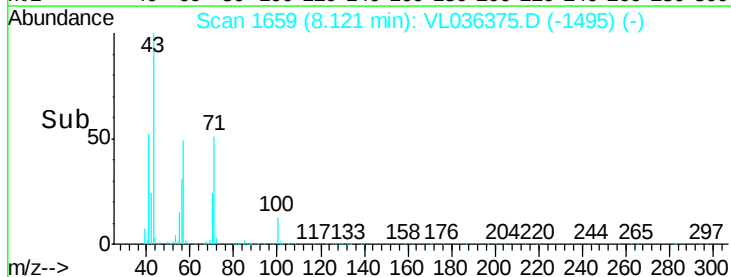
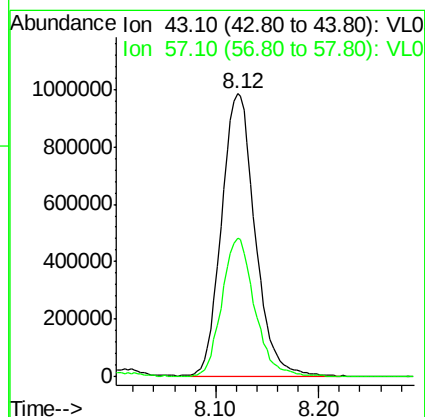
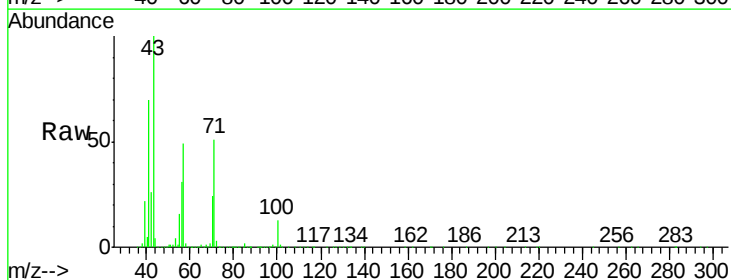
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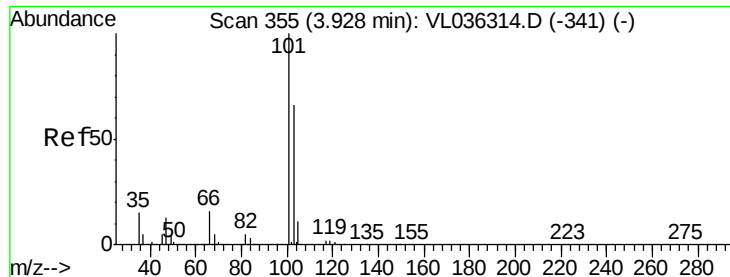
Tgt Ion: 43 Resp: 2205853

Ion Ratio Lower Upper

43 100

57 48.6 39.4 59.2





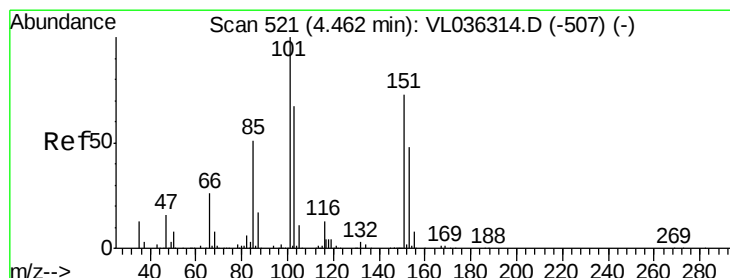
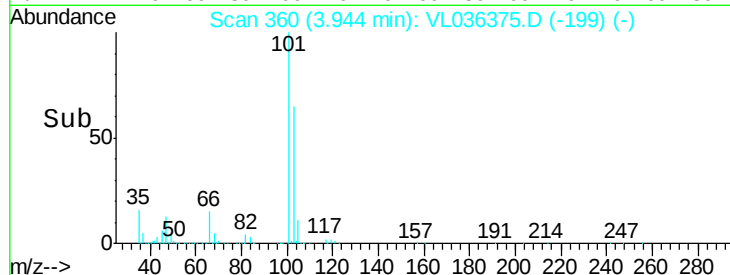
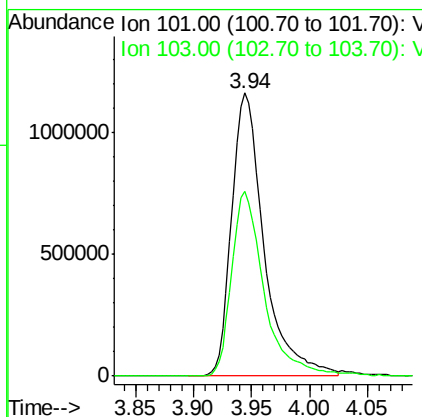
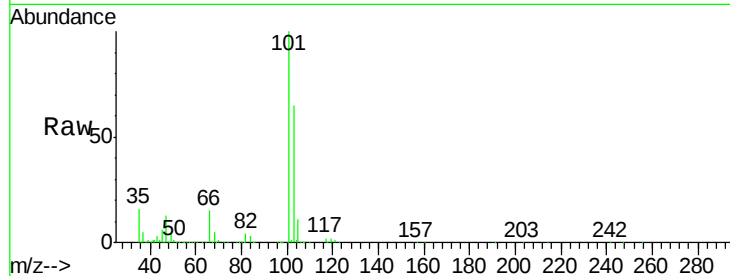
#11
 Trichlorofluoromethane
 Concen: 9.819 ppbv
 RT: 3.94 min Scan# 360
 Delta R.T. 0.02 min
 Lab File: VL036375.D
 Acq: 25 Feb 2021 7:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:101 Resp: 2250331
 Ion Ratio Lower Upper
 101 100
 103 65.1 52.9 79.3

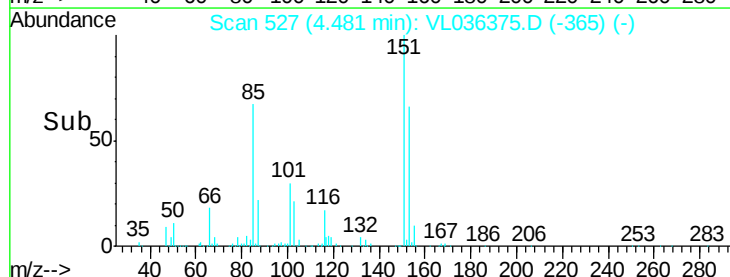
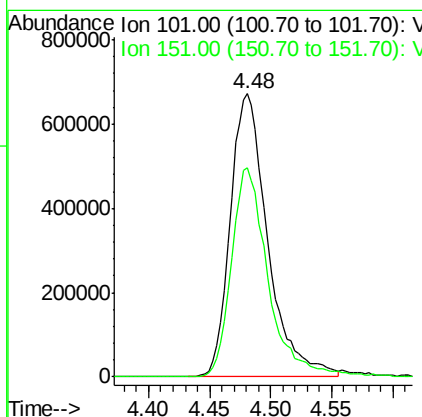
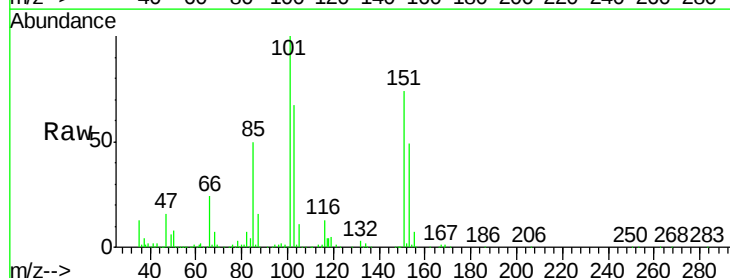
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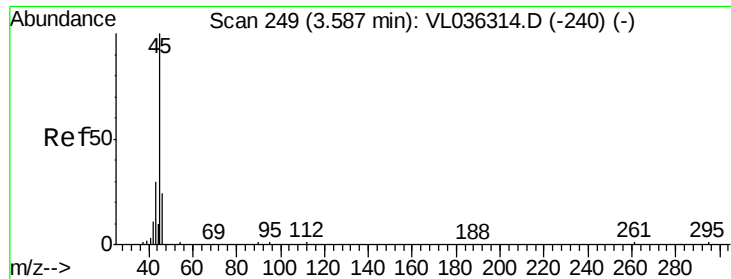
MMDadoda
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.100 ppbv
 RT: 4.48 min Scan# 527
 Delta R.T. 0.02 min
 Lab File: VL036375.D
 Acq: 25 Feb 2021 7:24

Tgt Ion:101 Resp: 1433902
 Ion Ratio Lower Upper
 101 100
 151 73.0 58.2 87.4





#13

Ethanol

Concen: 10.275 ppbv m

RT: 3.60 min Scan# 254

Delta R.T. 0.02 min

Lab File: VL036375.D

Acq: 25 Feb 2021 7:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 45 Resp: 140212

Ion Ratio Lower Upper

45 100

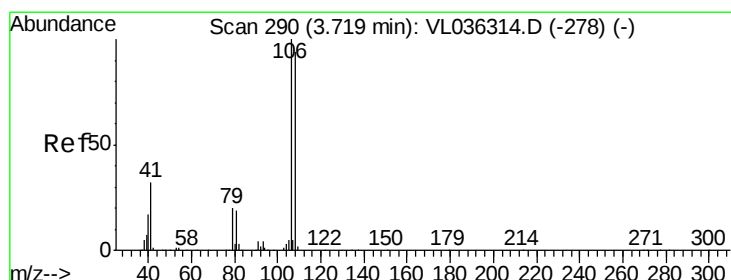
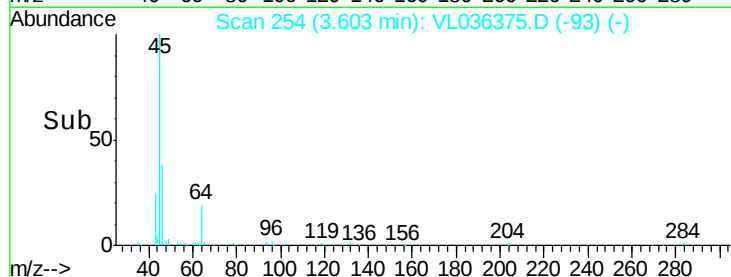
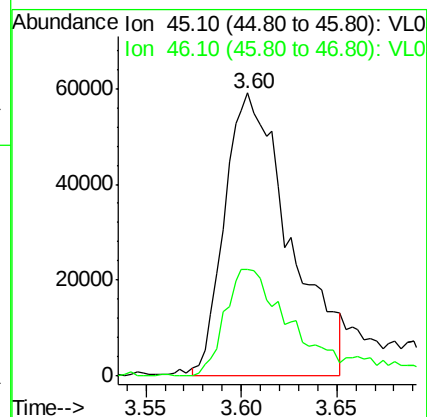
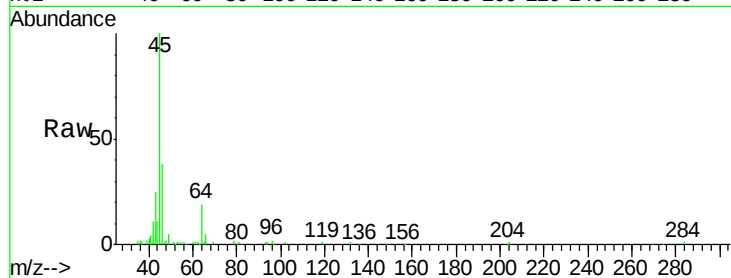
46 42.9 17.7 70.7

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#14

Bromoethene

Concen: 10.414 ppbv

RT: 3.74 min Scan# 295

Delta R.T. 0.02 min

Lab File: VL036375.D

Acq: 25 Feb 2021 7:24

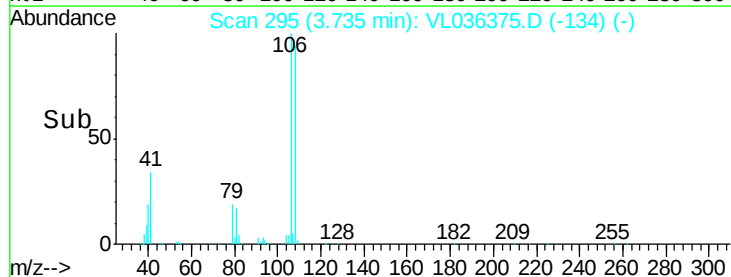
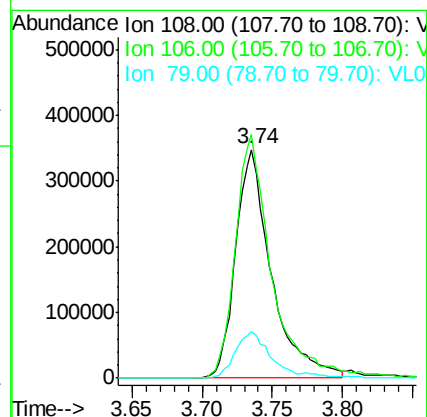
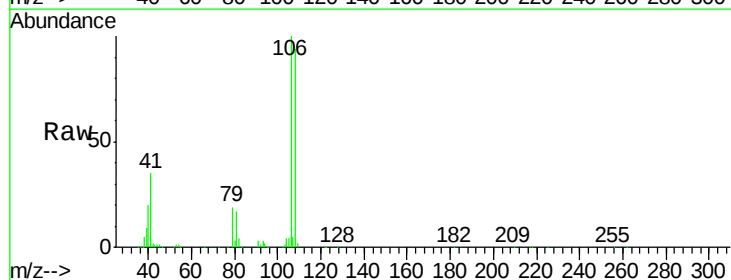
Tgt Ion: 108 Resp: 618752

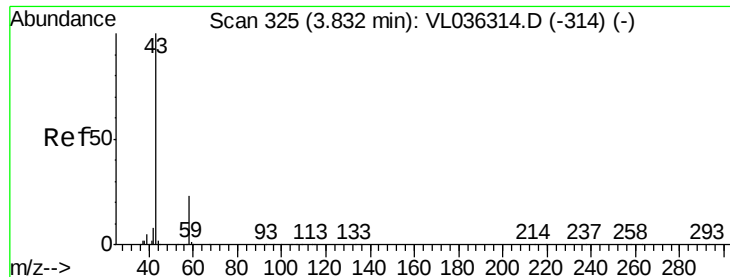
Ion Ratio Lower Upper

108 100

106 109.4 89.8 134.8

79 21.5 17.1 25.7





#15

Acetone

Concen: 9.383 ppbv

RT: 3.84 min Scan# 329

Delta R.T. 0.01 min

Lab File: VL036375.D

Acq: 25 Feb 2021 7:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 1798792

Ion Ratio Lower Upper

43 100

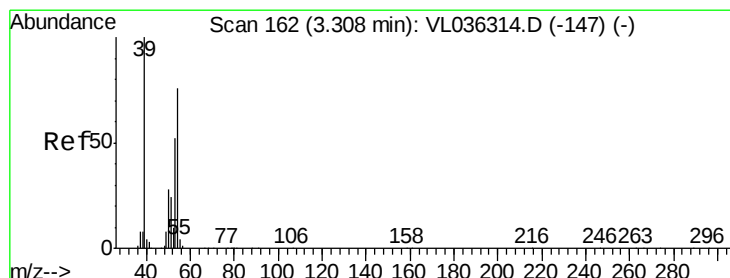
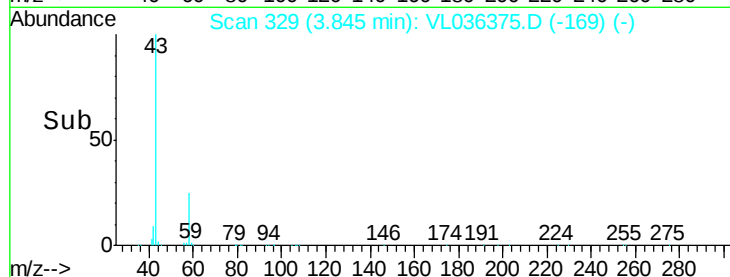
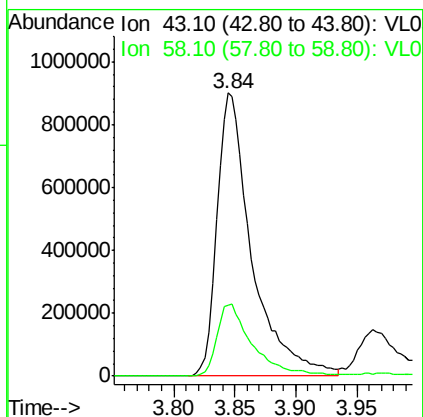
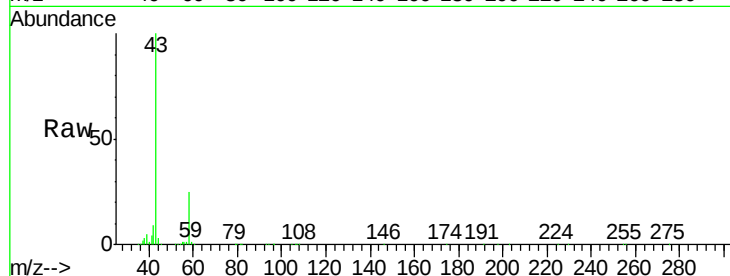
58 26.2 20.3 30.5

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#16

1,3-Butadiene

Concen: 10.015 ppbv

RT: 3.32 min Scan# 166

Delta R.T. 0.01 min

Lab File: VL036375.D

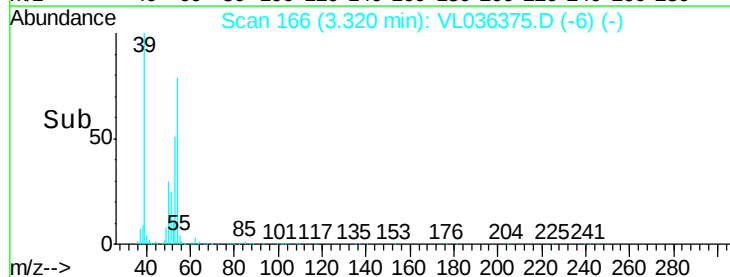
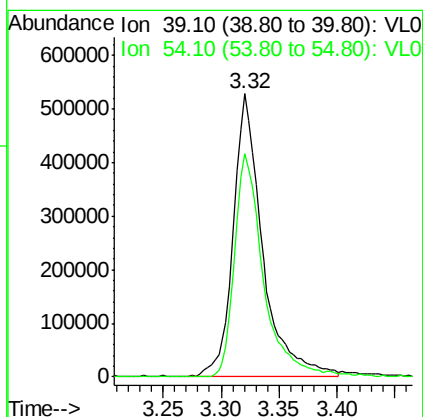
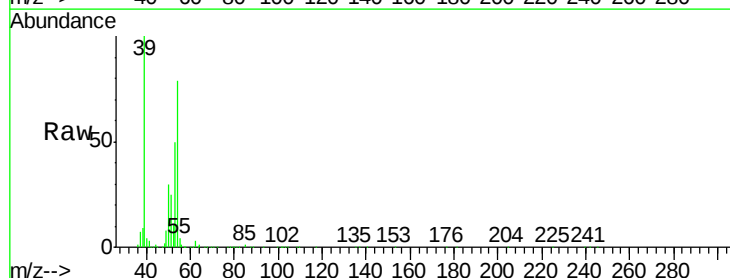
Acq: 25 Feb 2021 7:24

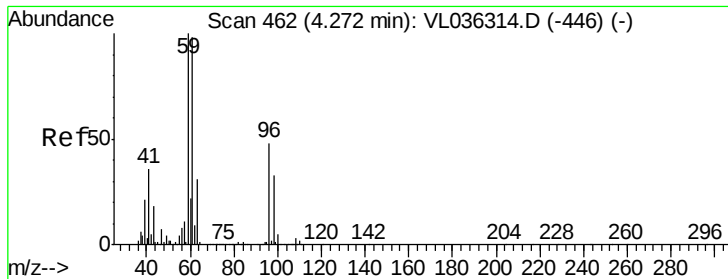
Tgt Ion: 39 Resp: 918086

Ion Ratio Lower Upper

39 100

54 78.9 64.4 96.6





#17

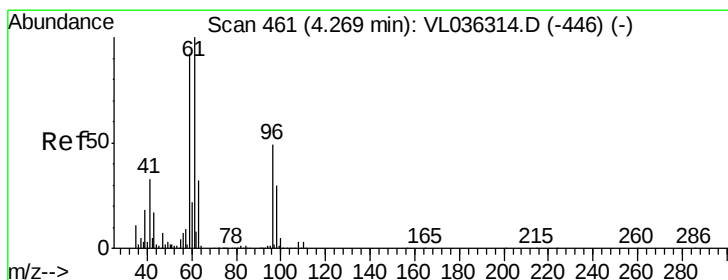
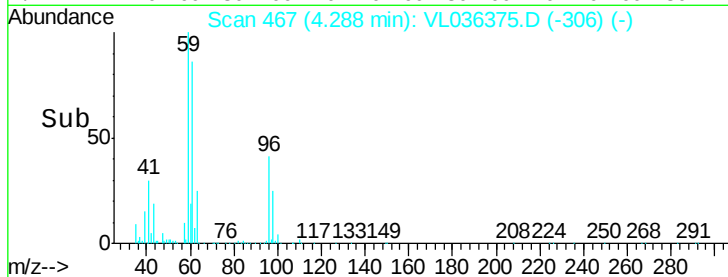
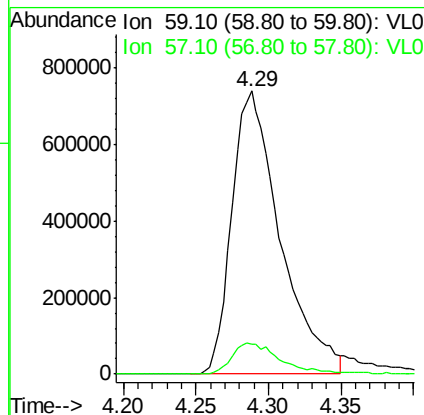
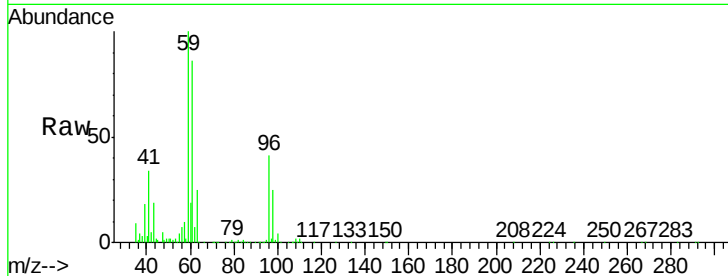
tert-Butyl alcohol
Concen: 11.514 ppbv
RT: 4.29 min Scan# 467
Delta R.T. 0.02 min
Lab File: VL036375.D
Acq: 25 Feb 2021 7:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 59 Resp: 1713414
Ion Ratio Lower Upper
59 100
57 11.3 9.0 13.4

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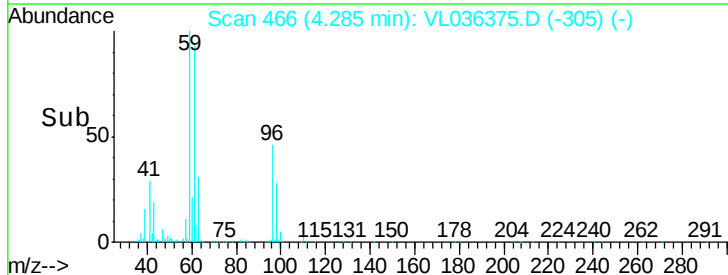
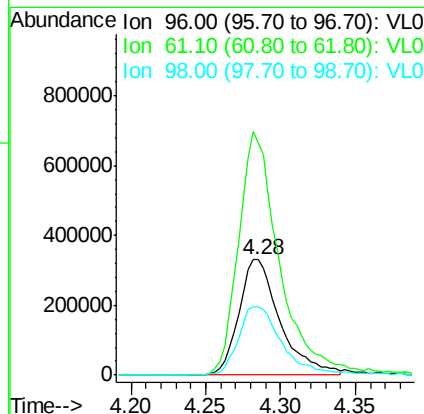
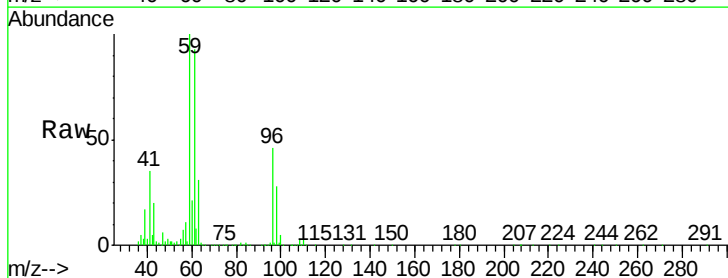
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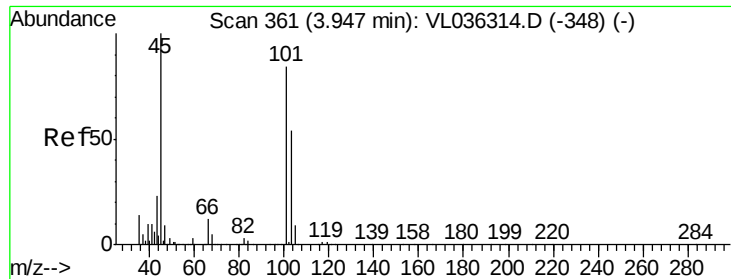


#18

1,1-Dichloroethene
Concen: 9.843 ppbv
RT: 4.28 min Scan# 466
Delta R.T. 0.02 min
Lab File: VL036375.D
Acq: 25 Feb 2021 7:24

Tgt Ion: 96 Resp: 635067
Ion Ratio Lower Upper
96 100
61 200.8 162.5 243.7
98 59.2 48.5 72.7





#19

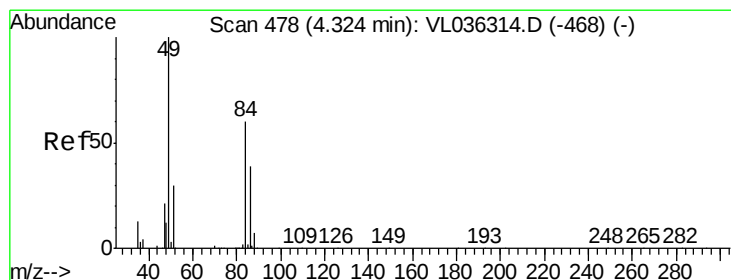
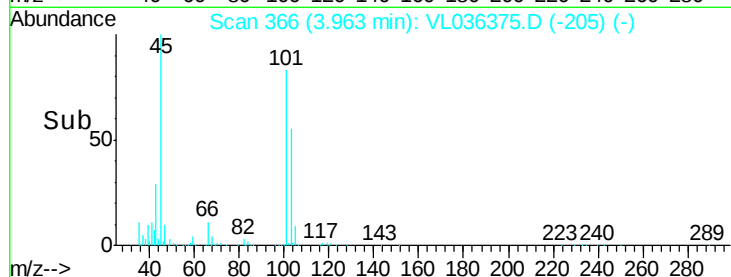
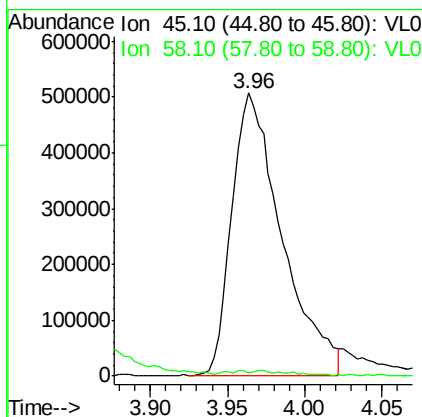
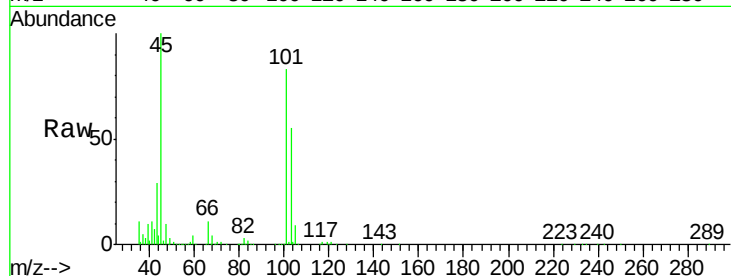
Isopropyl Alcohol
 Concen: 10.738 ppbv
 RT: 3.96 min Scan# 366
 Delta R.T. 0.02 min
 Lab File: VL036375.D
 Acq: 25 Feb 2021 7:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 45 Resp: 1140492
 Ion Ratio Lower Upper
 45 100
 58 2.4 1.9 2.9

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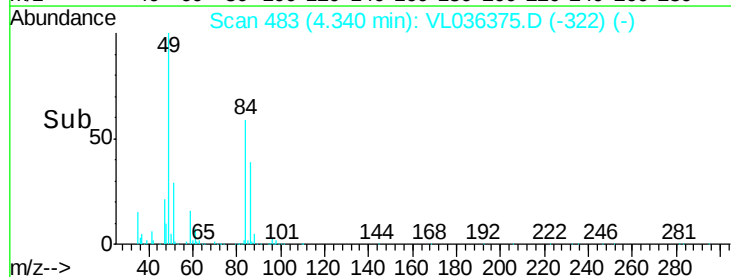
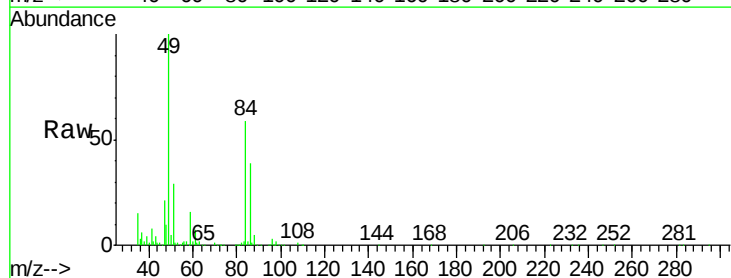
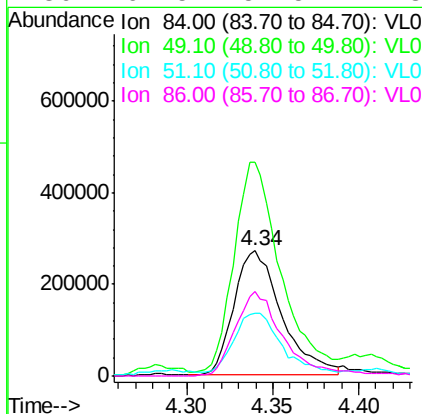
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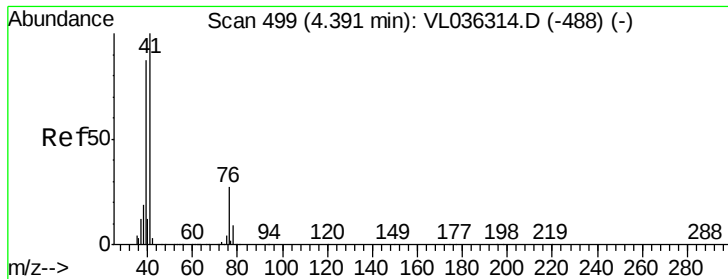


#20

Methylene Chloride
 Concen: 8.506 ppbv
 RT: 4.34 min Scan# 483
 Delta R.T. 0.02 min
 Lab File: VL036375.D
 Acq: 25 Feb 2021 7:24

Tgt Ion: 84 Resp: 526076
 Ion Ratio Lower Upper
 84 100
 49 168.7 133.8 200.8
 51 47.1 41.4 62.0
 86 67.5 51.5 77.3





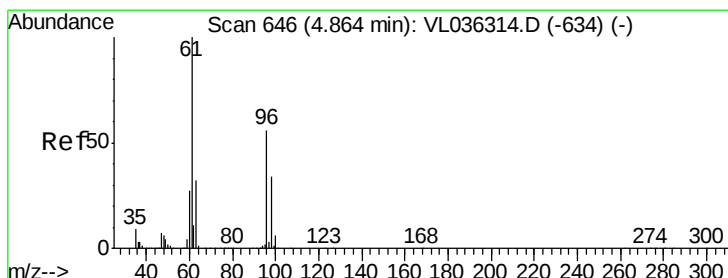
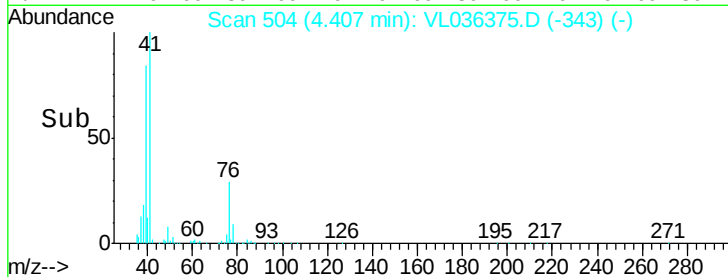
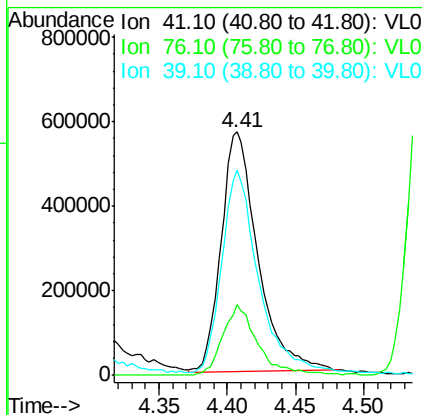
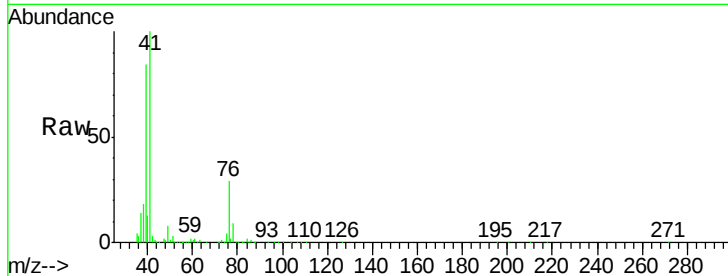
#21
Allvl Chloride
Concen: 9.930 ppbv
RT: 4.41 min Scan# 504
Delta R.T. 0.02 min
Lab File: VL036375.D
Acq: 25 Feb 2021 7:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
41	100		
76	28.2	22.0	33.0
39	86.5	70.2	105.2

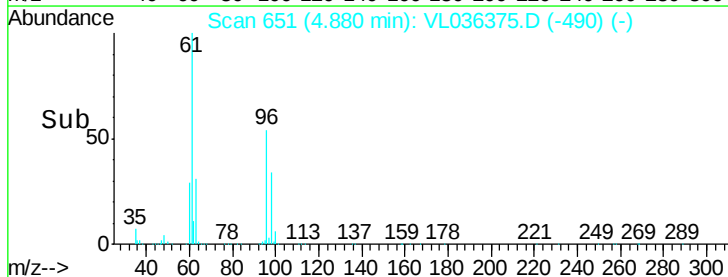
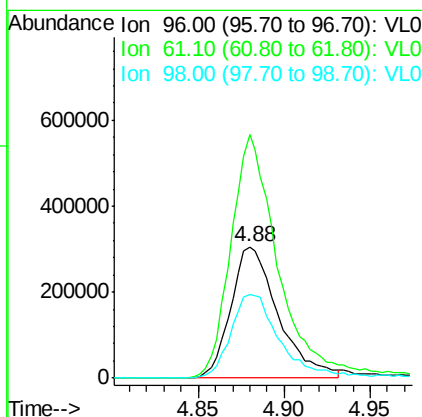
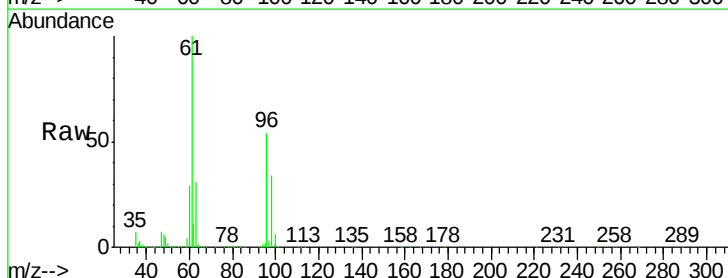
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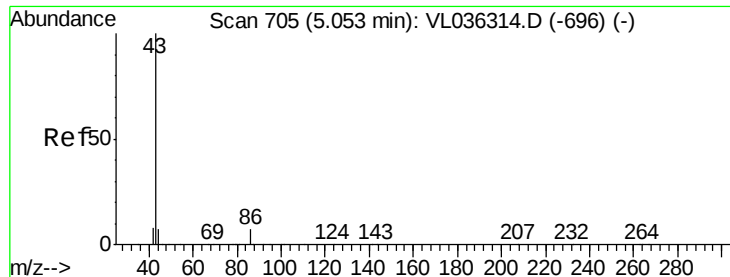
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#22
trans-1,2-Dichloroethene
Concen: 10.022 ppbv
RT: 4.88 min Scan# 651
Delta R.T. 0.02 min
Lab File: VL036375.D
Acq: 25 Feb 2021 7:24

Tgt Ion	Ratio	Lower	Upper
96	100		
61	185.3	143.7	215.5
98	63.6	48.5	72.7





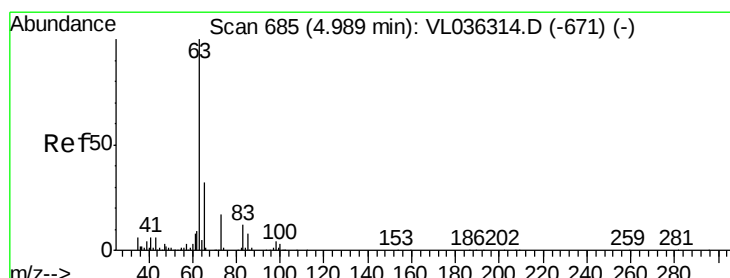
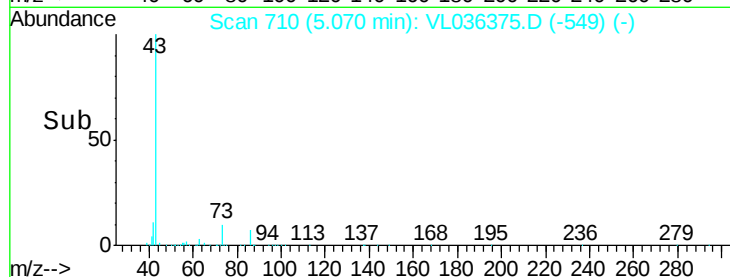
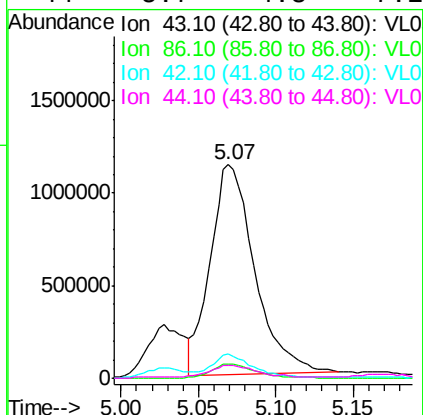
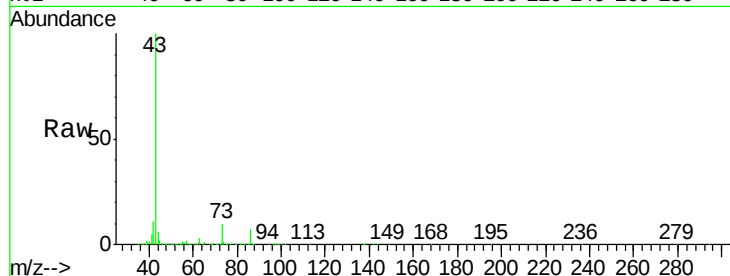
#23
 Vinyl Acetate
 Concen: 10.141 ppbv
 RT: 5.07 min Scan# 710
 Delta R.T. 0.02 min
 Lab File: VL036375.D
 Acq: 25 Feb 2021 7:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:	43	Resp:	2285864
Ion	Ratio	Lower	Upper
43	100		
86	6.8	4.8	7.2
42	11.0	7.4	11.0#
44	5.7	4.8	7.2

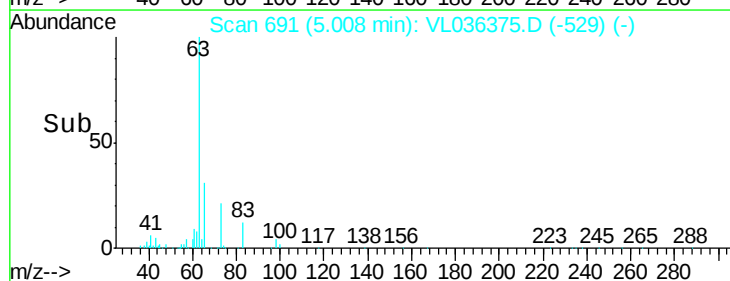
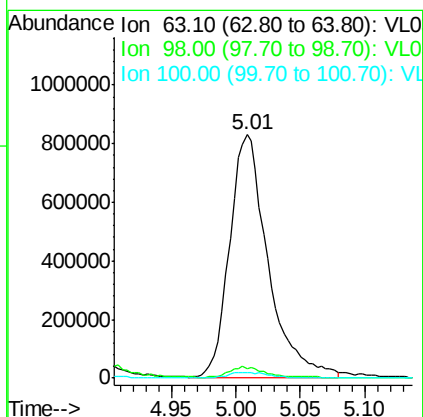
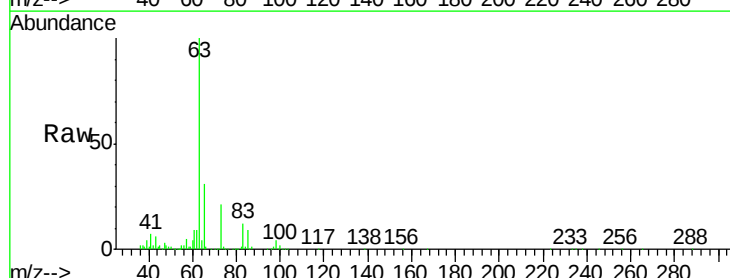
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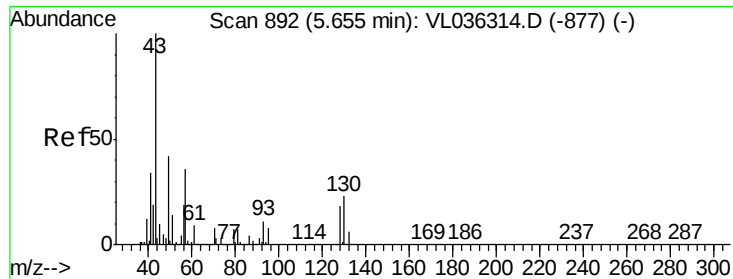
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#24
 1,1-Dichloroethane
 Concen: 10.280 ppbv
 RT: 5.01 min Scan# 691
 Delta R.T. 0.02 min
 Lab File: VL036375.D
 Acq: 25 Feb 2021 7:24

Tgt Ion:	63	Resp:	1713682
Ion	Ratio	Lower	Upper
63	100		
98	3.7	2.0	6.0
100	2.3	1.5	4.4





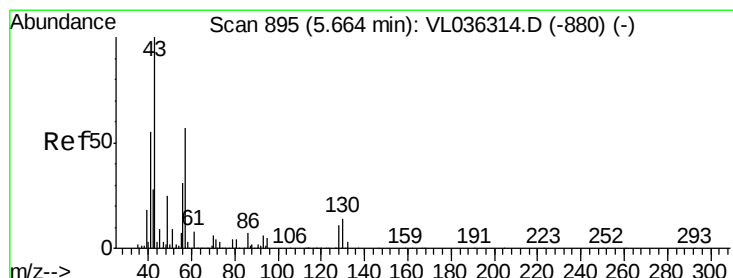
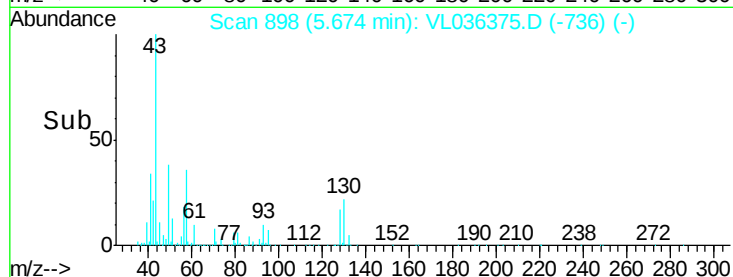
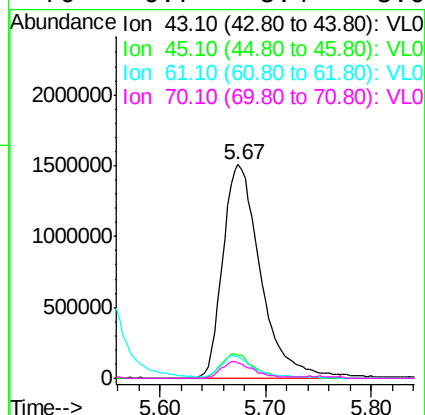
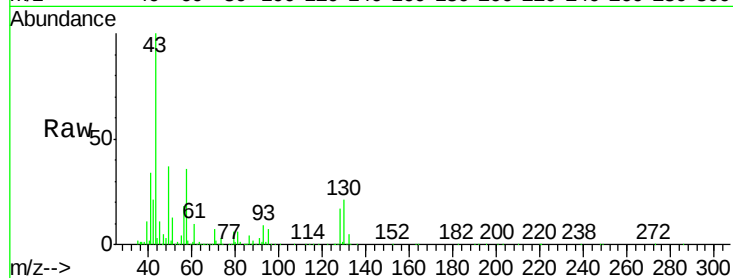
#25
Ethyl Acetate
Concen: 10.041 ppbv
RT: 5.67 min Scan# 898
Delta R.T. 0.02 min
Lab File: VL036375.D
Acq: 25 Feb 2021 7:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	43	Resp	3716053
Ion	Ratio	Lower	Upper
43	100		
45	10.4	8.3	12.5
61	9.9	7.3	10.9
70	6.7	5.4	8.0

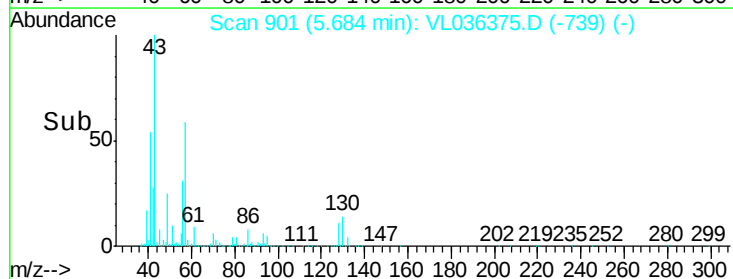
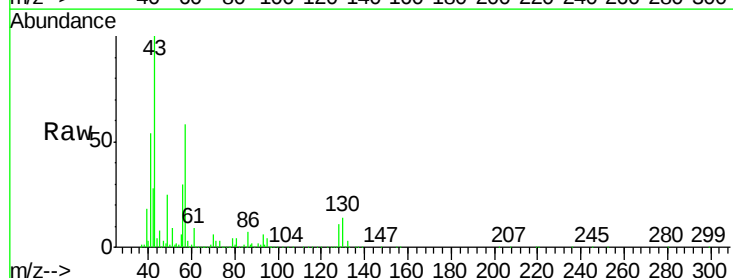
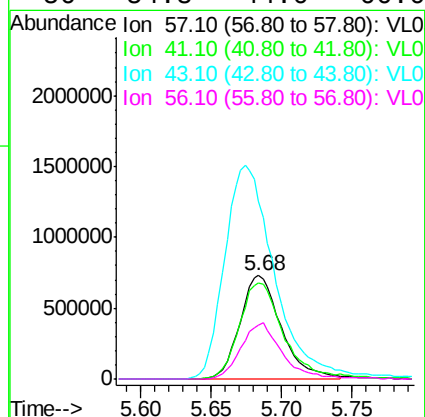
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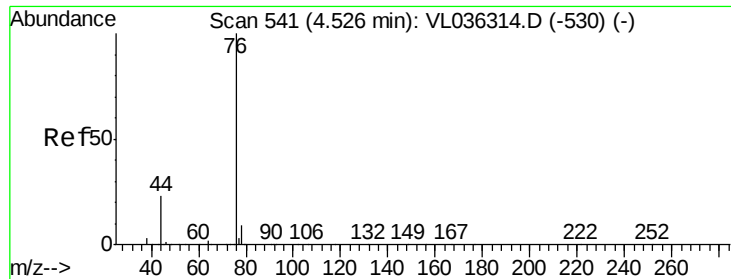
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#26
Hexane
Concen: 9.836 ppbv
RT: 5.68 min Scan# 901
Delta R.T. 0.02 min
Lab File: VL036375.D
Acq: 25 Feb 2021 7:24

Tgt Ion	57	Resp	1495589
Ion	Ratio	Lower	Upper
57	100		
41	101.4	81.7	122.5
43	251.4	199.1	298.7
56	54.8	44.0	66.0





#27

Carbon Disulfide

Concen: 10.834 ppbv

RT: 4.55 min Scan# 547

Delta R.T. 0.02 min

Lab File: VL036375.D

Acq: 25 Feb 2021 7:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 76 Resp: 1514115

Ion Ratio Lower Upper

76 100

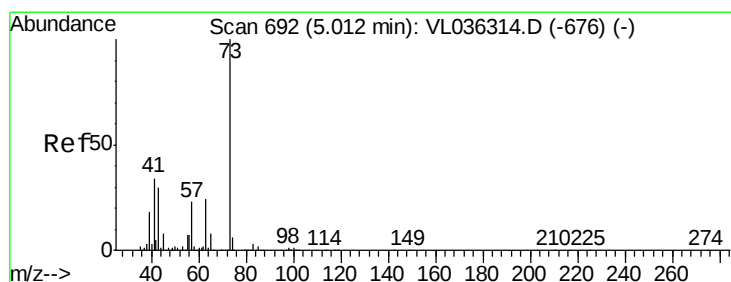
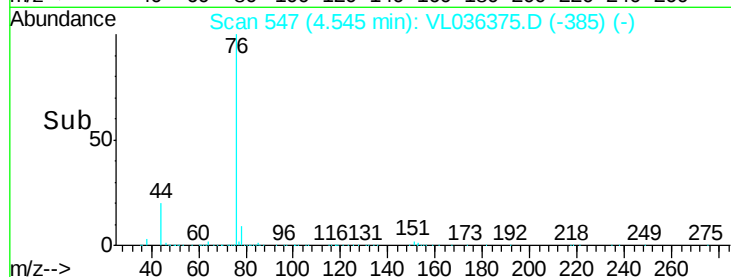
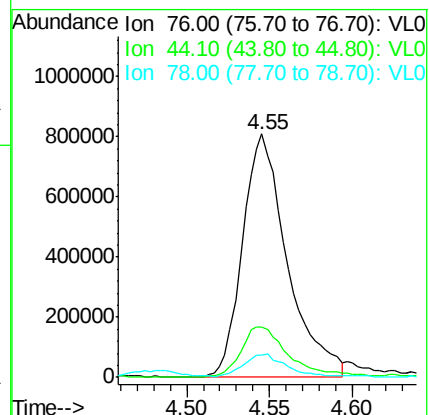
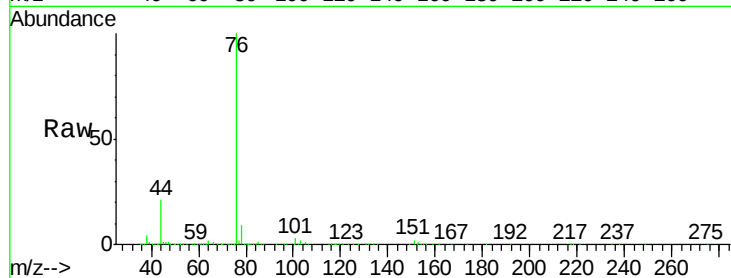
44 22.1 18.4 27.6

78 9.9 8.0 12.0

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#28

Methyl tert-Butyl Ether

Concen: 10.588 ppbv

RT: 5.03 min Scan# 697

Delta R.T. 0.02 min

Lab File: VL036375.D

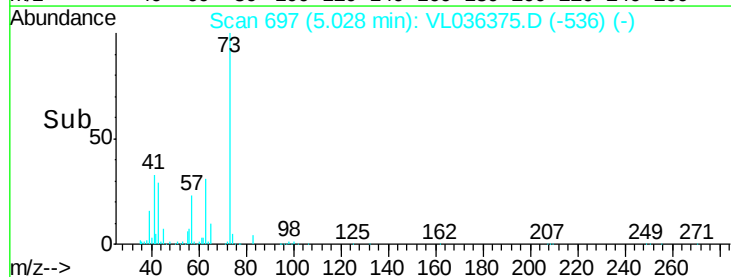
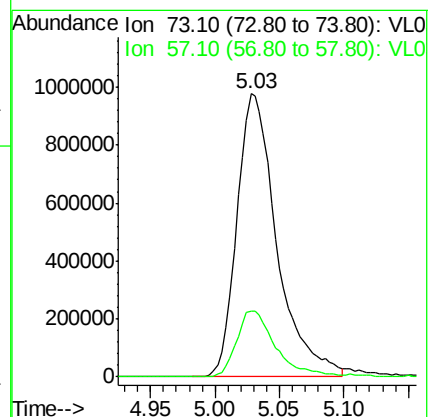
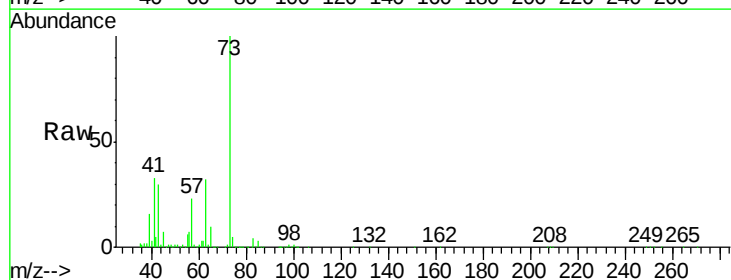
Acq: 25 Feb 2021 7:24

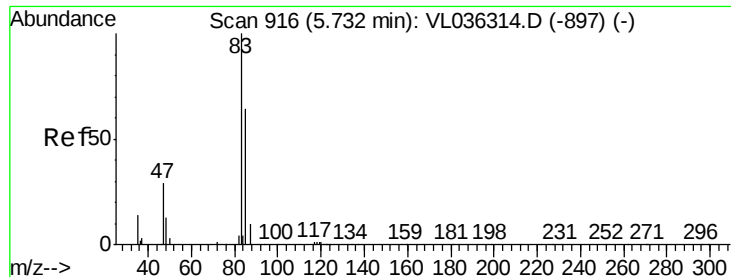
Tgt Ion: 73 Resp: 2103202

Ion Ratio Lower Upper

73 100

57 23.2 19.2 28.8





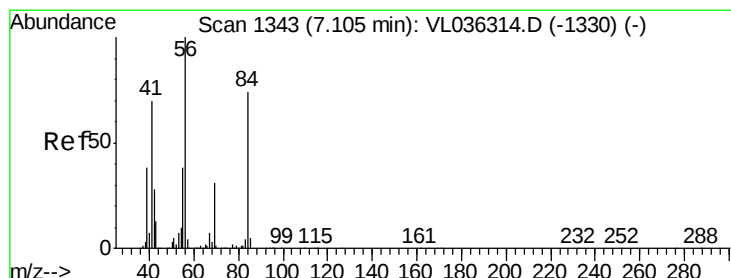
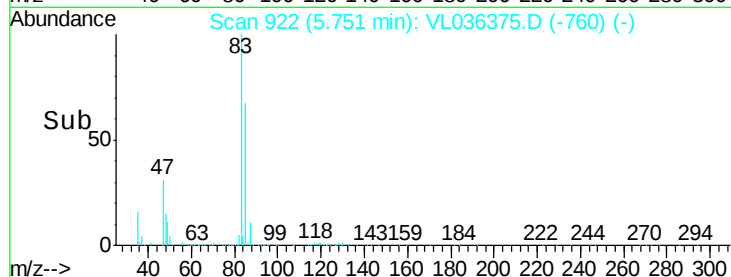
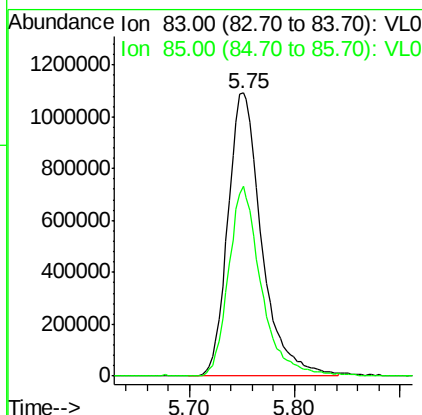
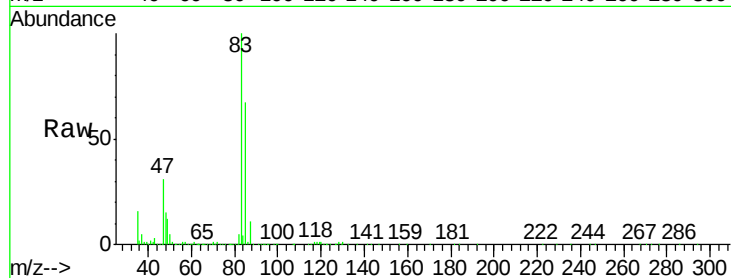
#29
Chloroform
Concen: 9.905 ppbv
RT: 5.75 min Scan# 922
Delta R.T. 0.02 min
Lab File: VL036375.D
Acq: 25 Feb 2021 7:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 83 Resp: 2426477
Ion Ratio Lower Upper
83 100
85 66.8 51.4 77.2

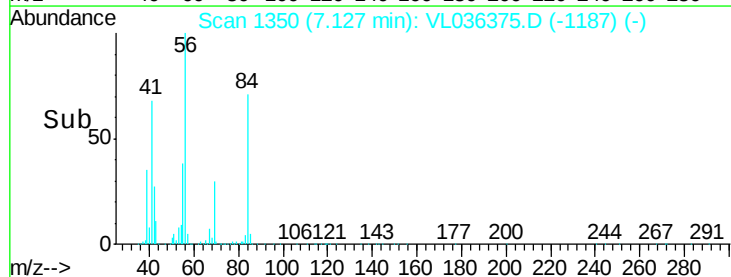
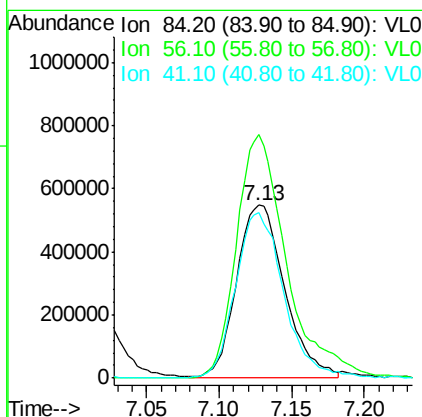
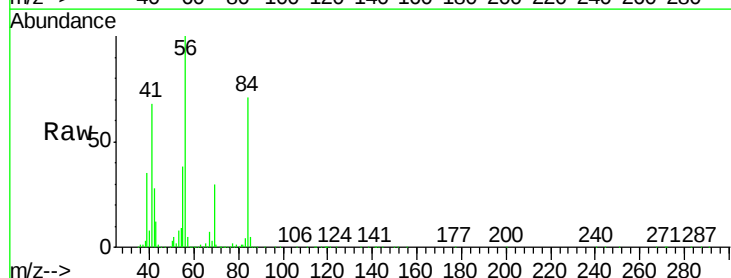
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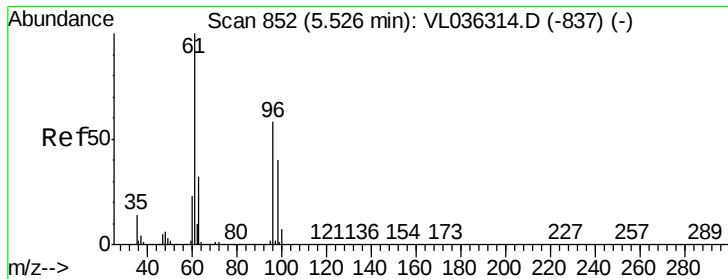
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#30
Cyclohexane
Concen: 9.959 ppbv
RT: 7.13 min Scan# 1350
Delta R.T. 0.02 min
Lab File: VL036375.D
Acq: 25 Feb 2021 7:24

Tgt Ion: 84 Resp: 1259465
Ion Ratio Lower Upper
84 100
56 148.6 120.2 180.4
41 96.4 79.7 119.5





#31

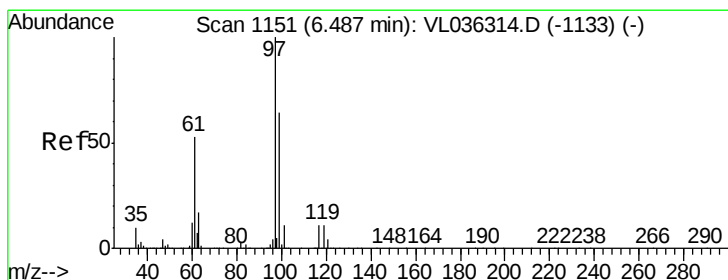
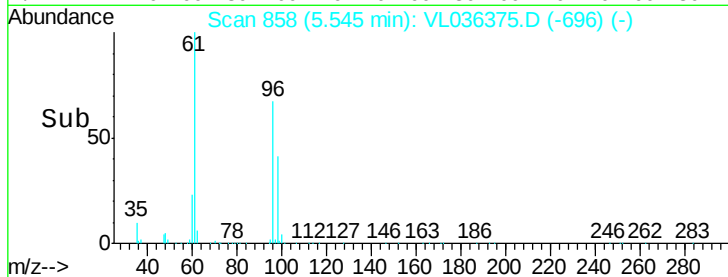
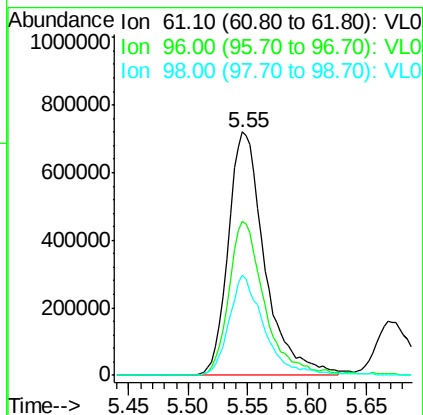
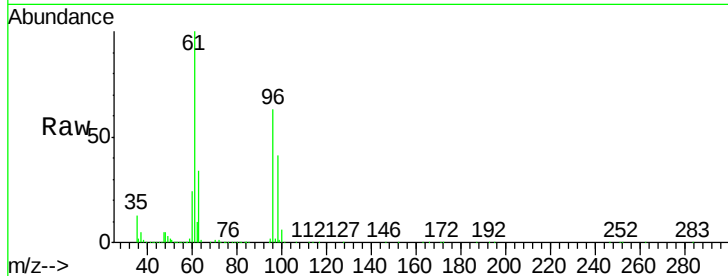
cis-1,2-Dichloroethene
Concen: 10.129 ppbv
RT: 5.55 min Scan# 858
Delta R.T. 0.02 min
Lab File: VL036375.D
Acq: 25 Feb 2021 7:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
61	100		
96	63.5	46.0	69.0
98	41.4	31.9	47.9

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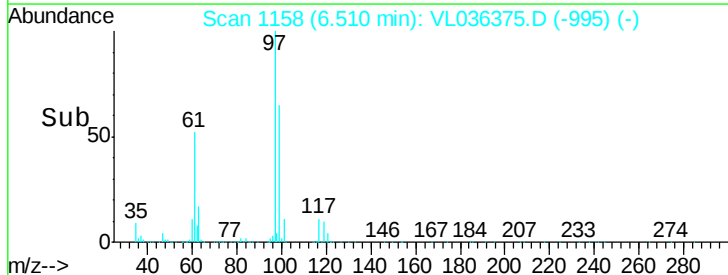
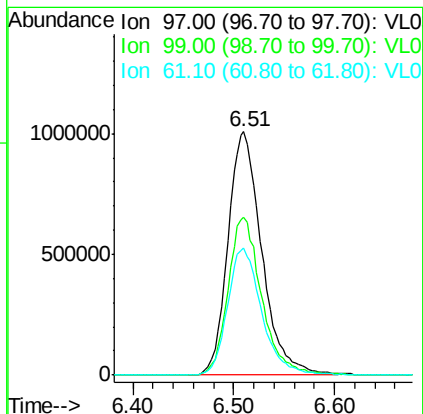
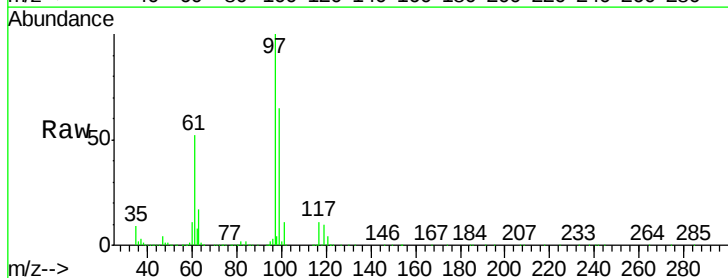
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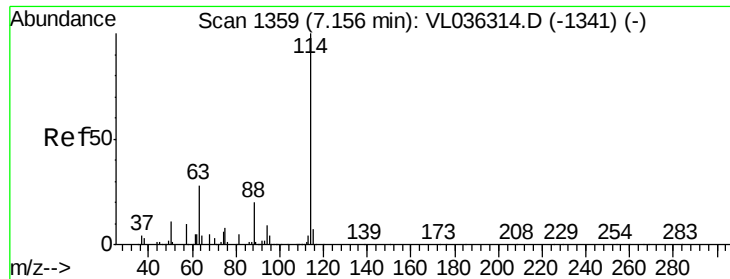


#32

1,1,1-Trichloroethane
Concen: 10.293 ppbv
RT: 6.51 min Scan# 1158
Delta R.T. 0.02 min
Lab File: VL036375.D
Acq: 25 Feb 2021 7:24

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	52.2	78.4
61	52.2	43.3	64.9





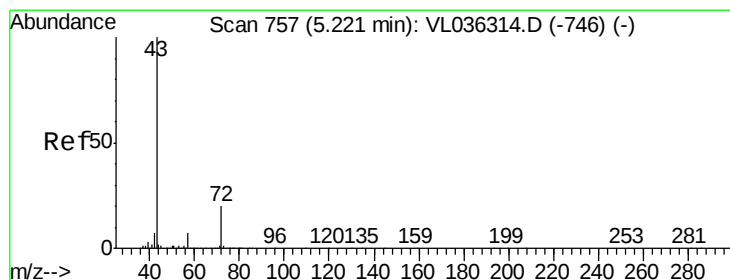
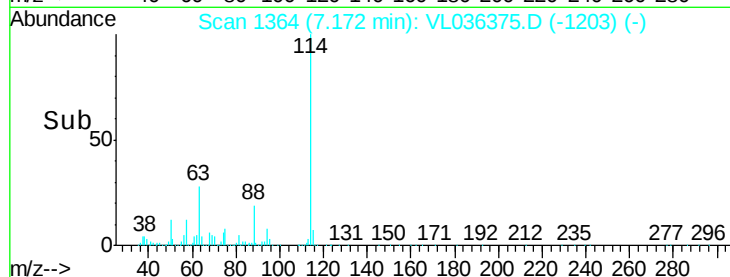
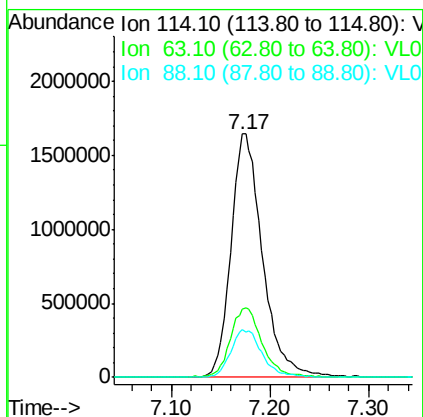
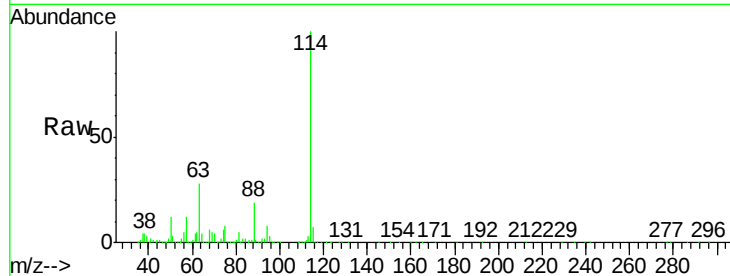
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1364
 Delta R.T. 0.02 min
 Lab File: VL036375.D
 Acq: 25 Feb 2021 7:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:114 Resp: 3659589
 Ion Ratio Lower Upper
 114 100
 63 29.5 24.1 36.1
 88 19.6 16.0 24.0

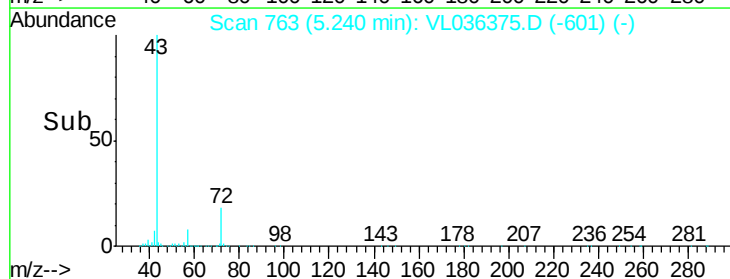
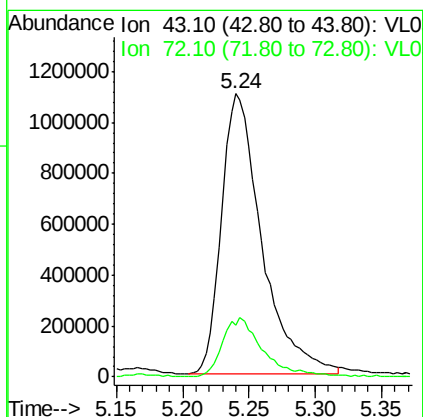
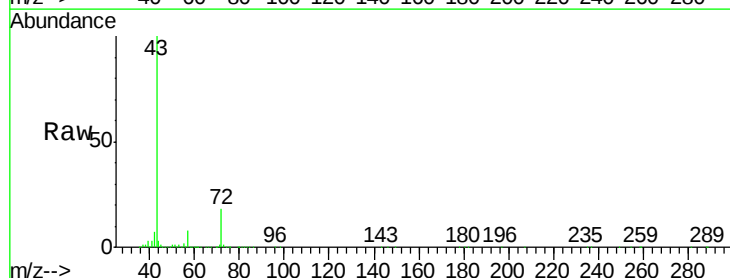
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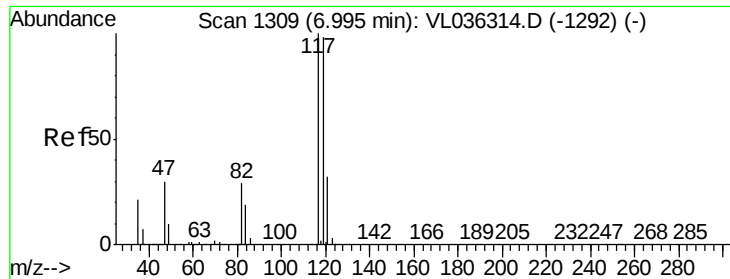
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#34
 2-Butanone
 Concen: 9.656 ppbv
 RT: 5.24 min Scan# 763
 Delta R.T. 0.02 min
 Lab File: VL036375.D
 Acq: 25 Feb 2021 7:24

Tgt Ion: 43 Resp: 2347964
 Ion Ratio Lower Upper
 43 100
 72 21.4 16.7 25.1





#35

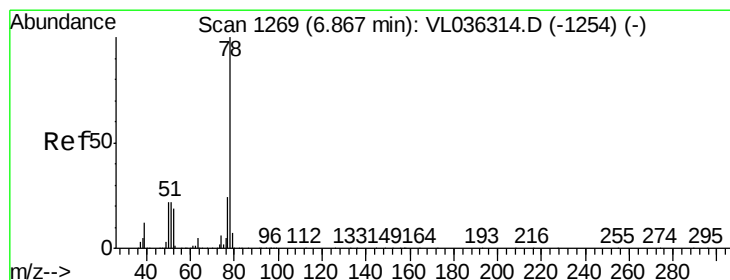
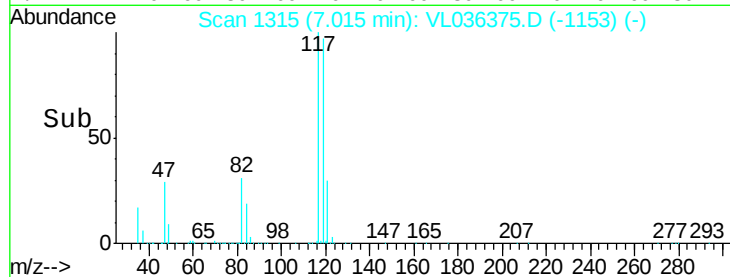
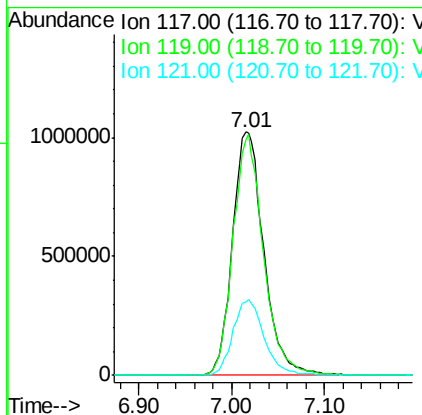
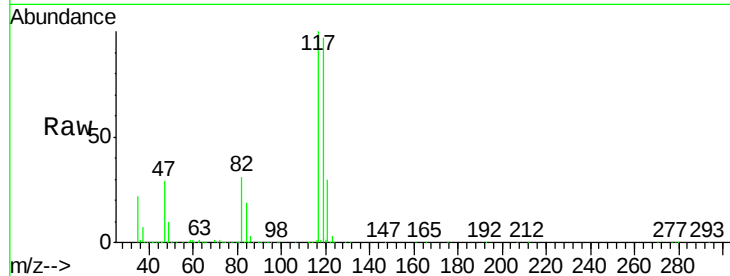
Carbon Tetrachloride
Concen: 9.782 ppbv
RT: 7.01 min Scan# 1315
Delta R.T. 0.02 min
Lab File: VL036375.D
Acq: 25 Feb 2021 7:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
117	100		
119	96.7	78.1	117.1
121	30.2	25.8	38.8

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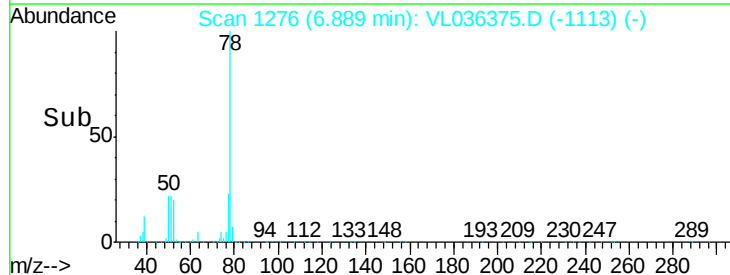
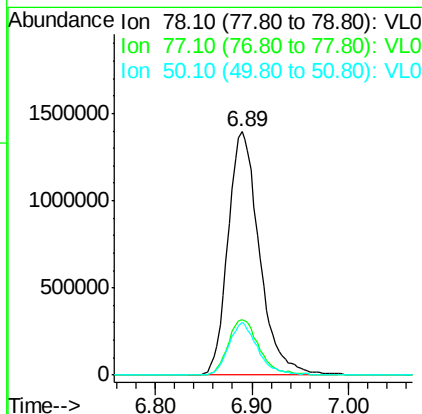
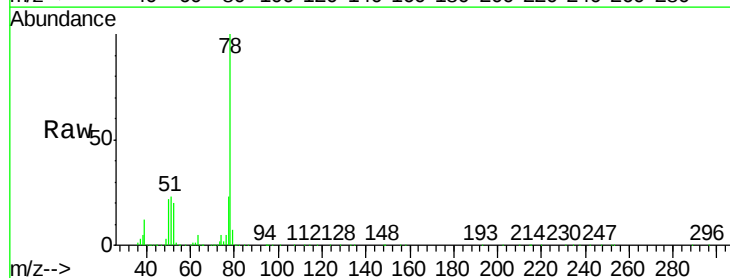
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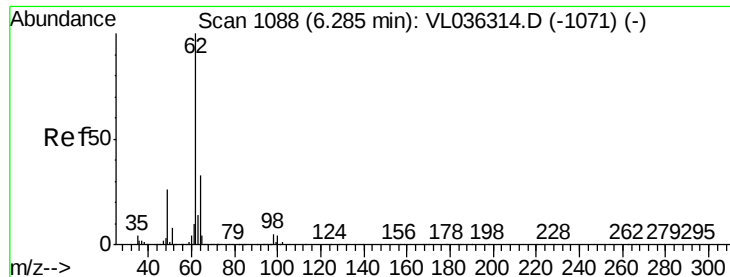


#36

Benzene
Concen: 10.137 ppbv
RT: 6.89 min Scan# 1276
Delta R.T. 0.02 min
Lab File: VL036375.D
Acq: 25 Feb 2021 7:24

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.7	18.9	28.3
50	21.7	17.3	25.9





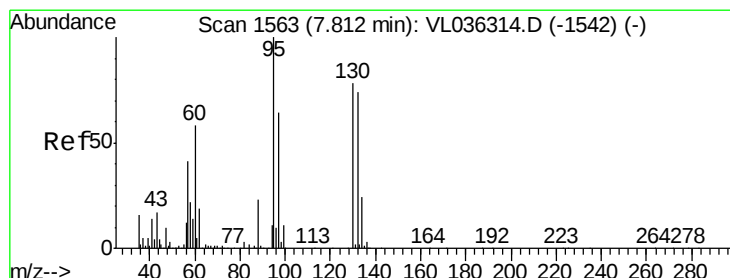
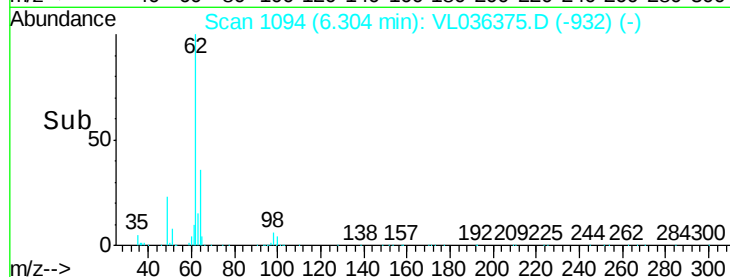
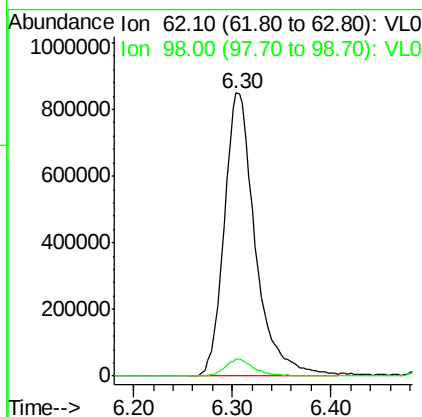
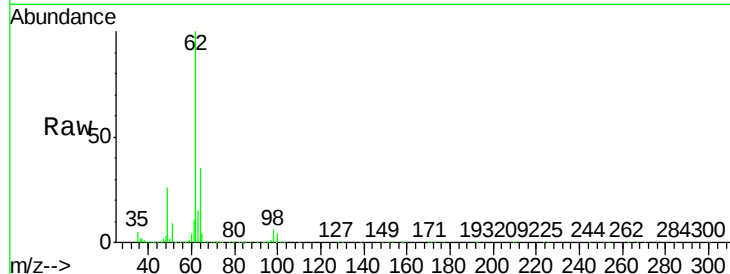
#37
 1,2-Dichloroethane
 Concen: 9.739 ppbv
 RT: 6.30 min Scan# 1094
 Delta R.T. 0.02 min
 Lab File: VL036375.D
 Acq: 25 Feb 2021 7:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
62	100		
98	5.8	4.5	6.7

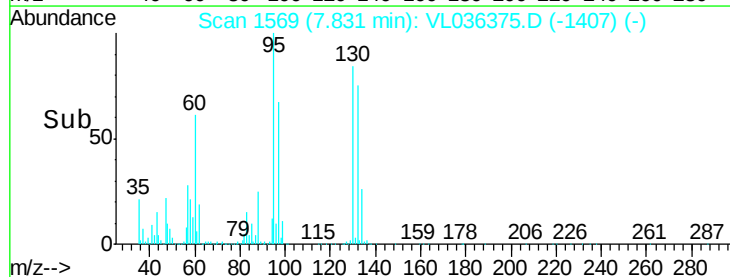
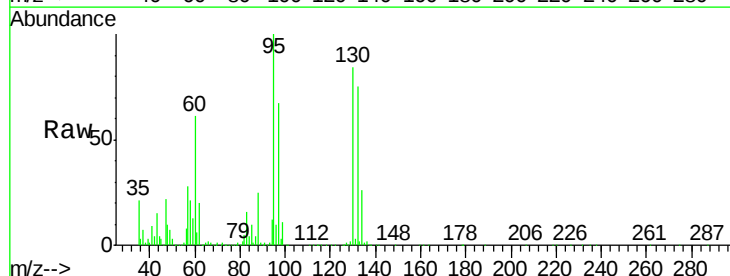
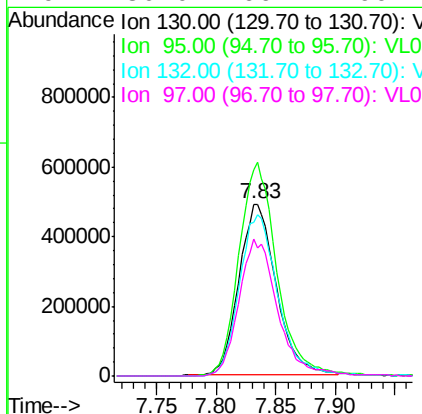
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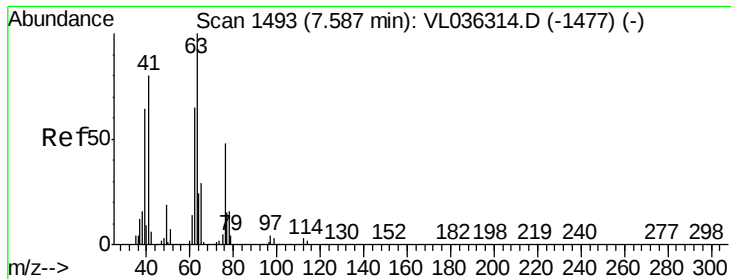
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#38
 Trichloroethene
 Concen: 9.623 ppbv
 RT: 7.83 min Scan# 1569
 Delta R.T. 0.02 min
 Lab File: VL036375.D
 Acq: 25 Feb 2021 7:24

Tgt Ion	Ratio	Lower	Upper
130	100		
95	120.1	102.8	154.2
132	90.1	75.7	113.5
97	80.0	66.2	99.2





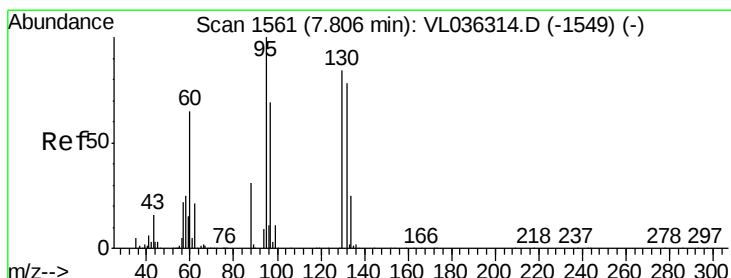
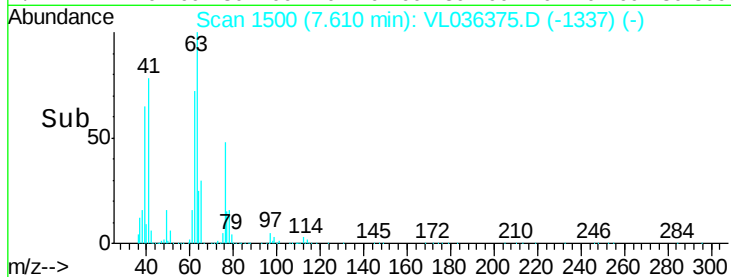
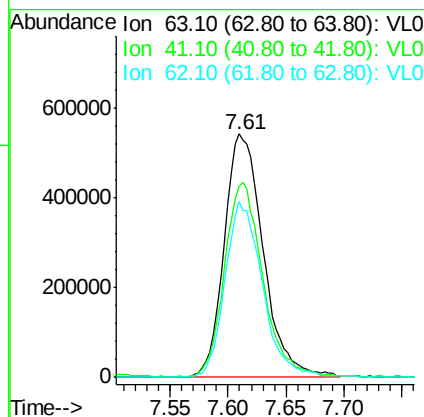
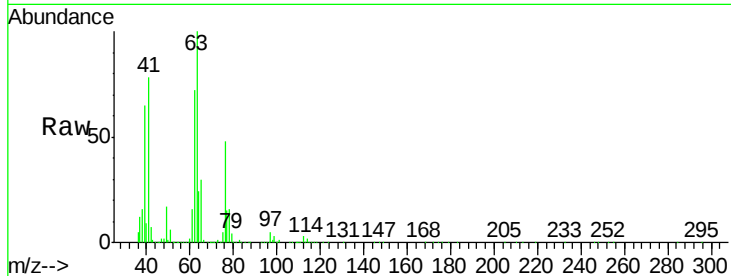
#39
 1,2-Dichloropropane
 Concen: 9.960 ppbv
 RT: 7.61 min Scan# 1500
 Delta R.T. 0.02 min
 Lab File: VL036375.D
 Acq: 25 Feb 2021 7:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
63	100		
41	77.8	63.8	95.6
62	72.1	52.3	78.5

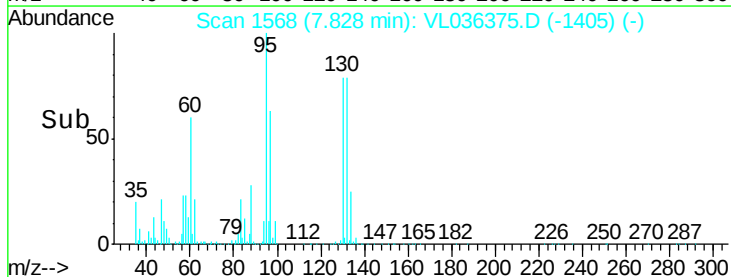
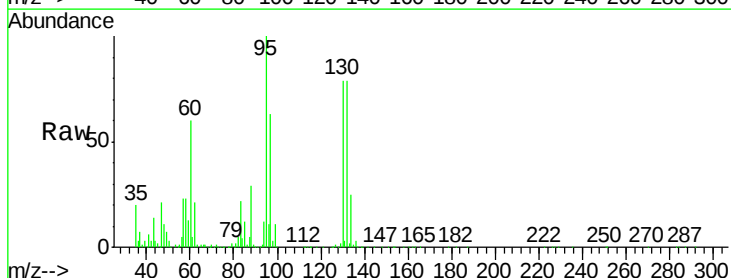
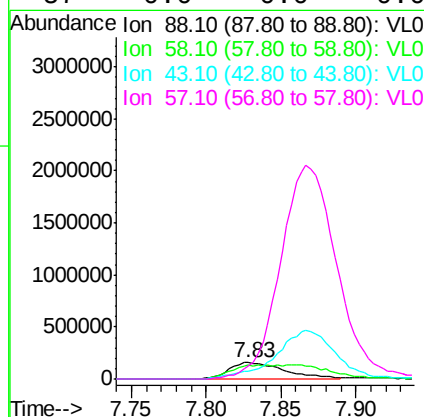
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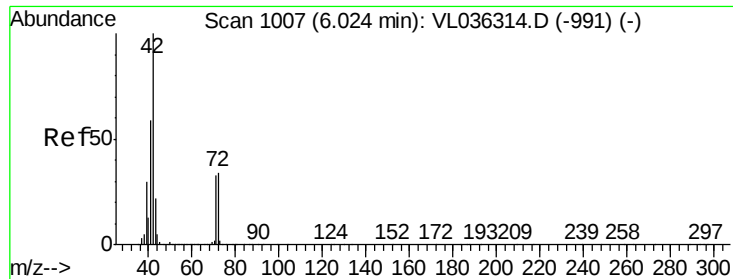
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#40
 1,4-Dioxane
 Concen: 9.280 ppbv
 RT: 7.83 min Scan# 1568
 Delta R.T. 0.02 min
 Lab File: VL036375.D
 Acq: 25 Feb 2021 7:24

Tgt Ion	Ratio	Lower	Upper
88	100		
58	0.0	45.0	67.4#
43	0.0	0.0	0.0
57	0.0	0.0	0.0





#41

Tetrahydrofuran

Concen: 10.296 ppbv

RT: 6.05 min Scan# 1014

Delta R.T. 0.02 min

Lab File: VL036375.D

Acq: 25 Feb 2021 7:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 42 Resp: 1397086

Ion Ratio Lower Upper

42 100

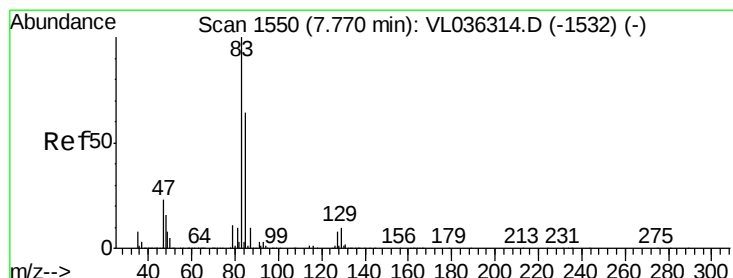
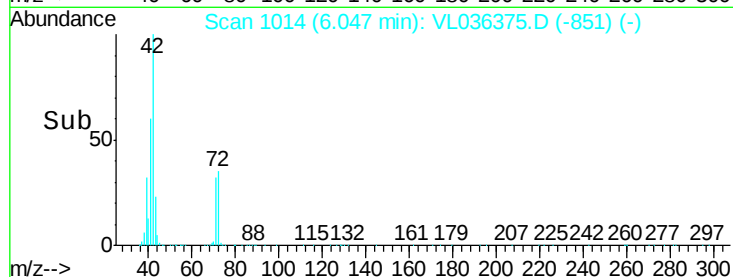
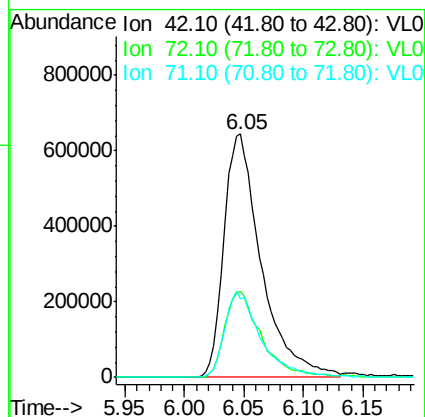
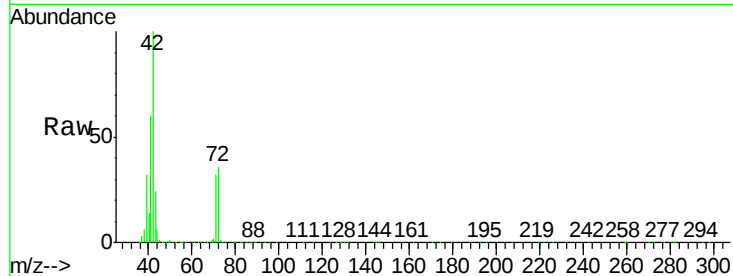
72 35.3 29.3 43.9

71 34.7 27.8 41.8

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#42

Bromodichloromethane

Concen: 9.958 ppbv

RT: 7.79 min Scan# 1556

Delta R.T. 0.02 min

Lab File: VL036375.D

Acq: 25 Feb 2021 7:24

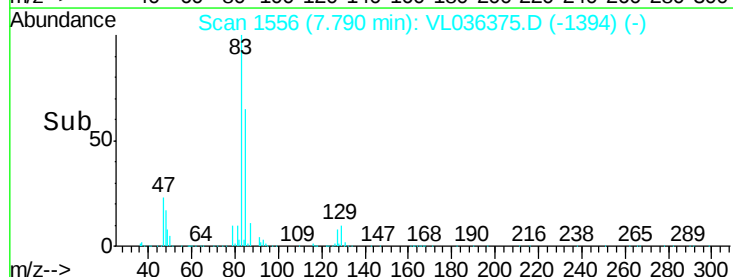
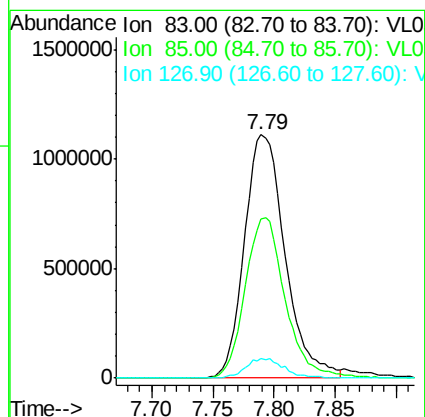
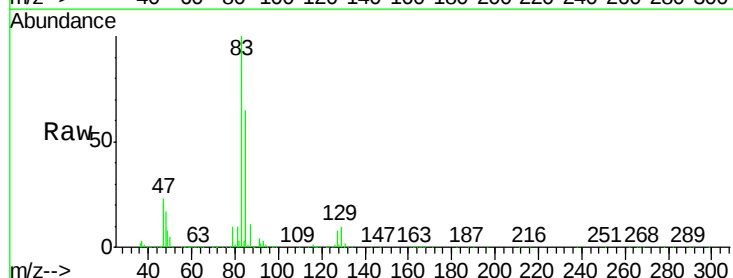
Tgt Ion: 83 Resp: 2563402

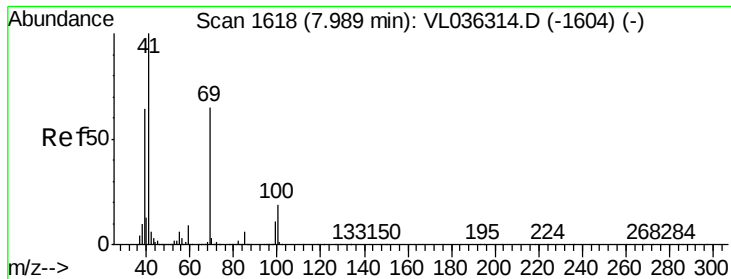
Ion Ratio Lower Upper

83 100

85 65.3 51.1 76.7

127 8.1 6.3 9.5





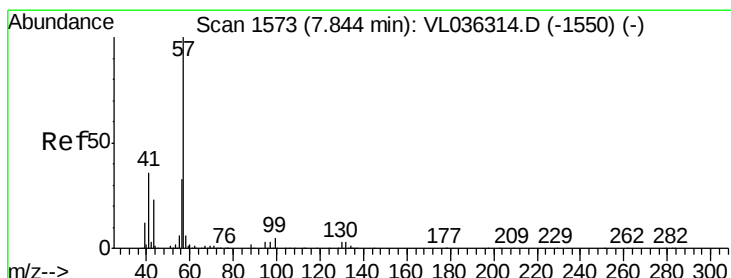
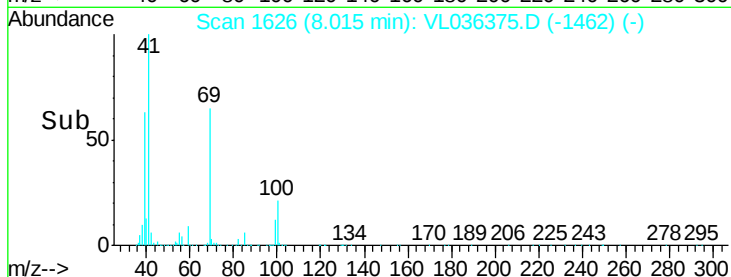
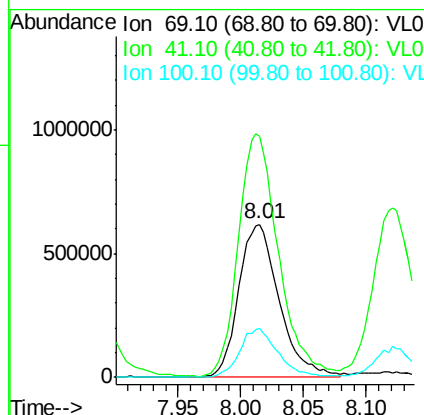
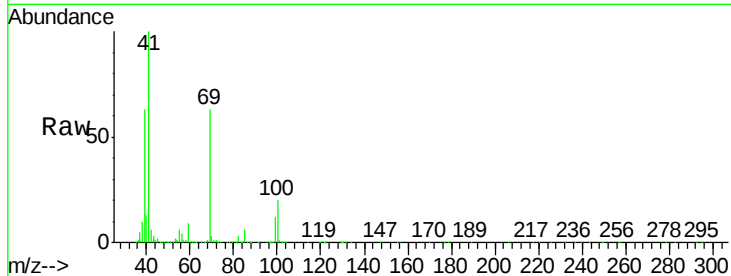
#43
Methvl Methacrilate
Concen: 10.577 ppbv
RT: 8.01 min Scan# 1626
Delta R.T. 0.03 min
Lab File: VL036375.D
Acq: 25 Feb 2021 7:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 69 Resp: 1386723
Ion Ratio Lower Upper
69 100
41 158.1 126.5 189.7
100 30.3 23.1 34.7

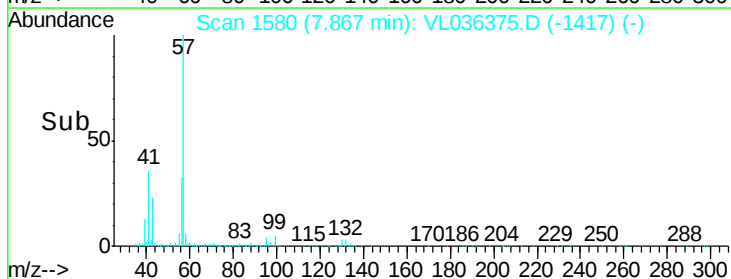
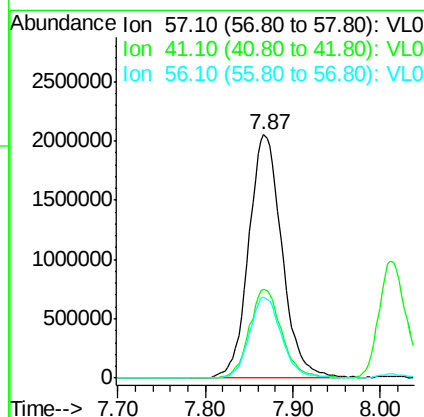
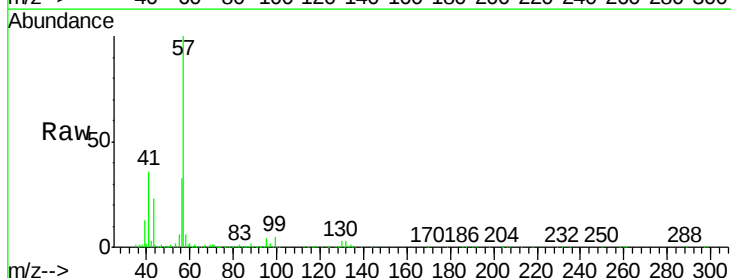
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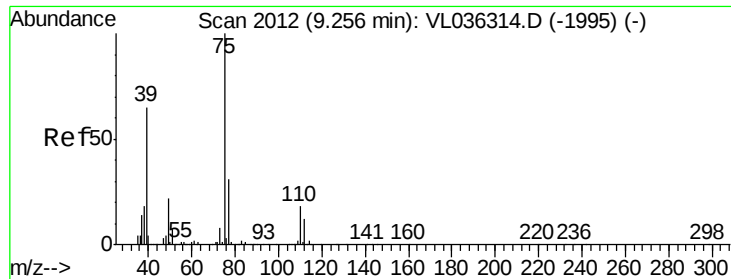
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#44
2,2,4-Trimethylpentane
Concen: 9.562 ppbv
RT: 7.87 min Scan# 1580
Delta R.T. 0.02 min
Lab File: VL036375.D
Acq: 25 Feb 2021 7:24

Tgt Ion: 57 Resp: 5405375
Ion Ratio Lower Upper
57 100
41 35.5 28.8 43.2
56 32.3 25.8 38.6





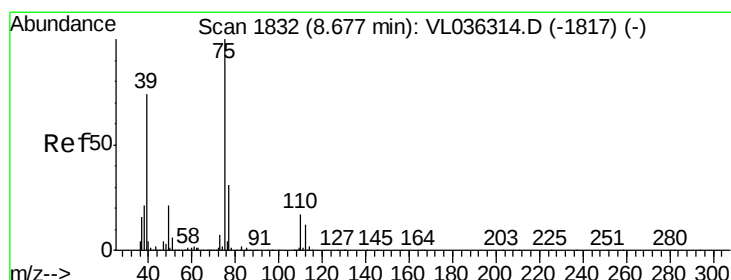
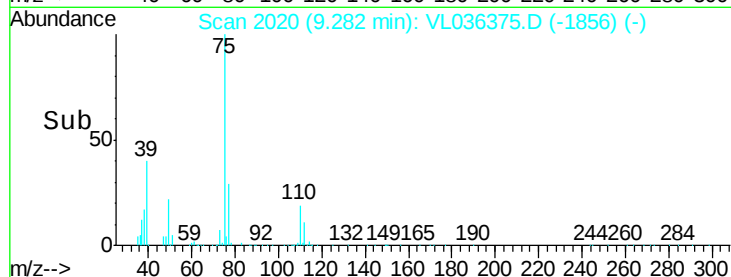
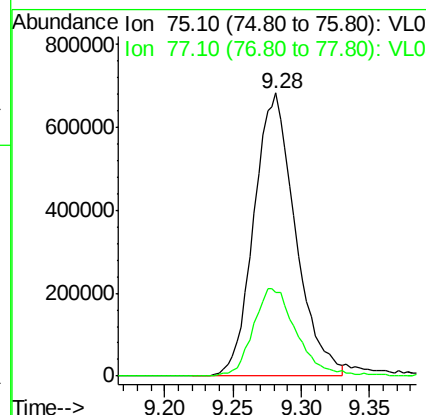
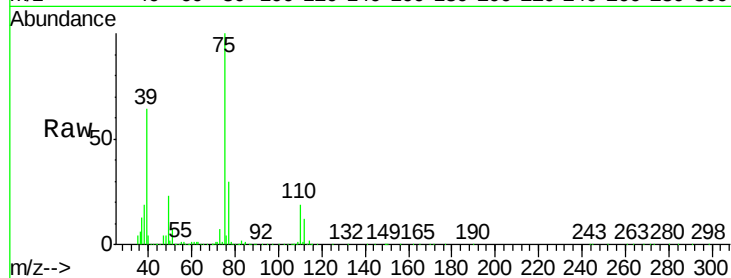
#45
t-1,3-Dichloropropene
Concen: 11.400 ppbv
RT: 9.28 min Scan# 2020
Delta R.T. 0.03 min
Lab File: VL036375.D
Acq: 25 Feb 2021 7:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 75 Resp: 1441756
Ion Ratio Lower Upper
75 100
77 29.6 24.6 37.0

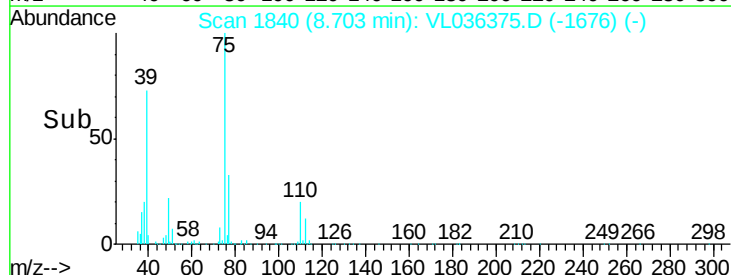
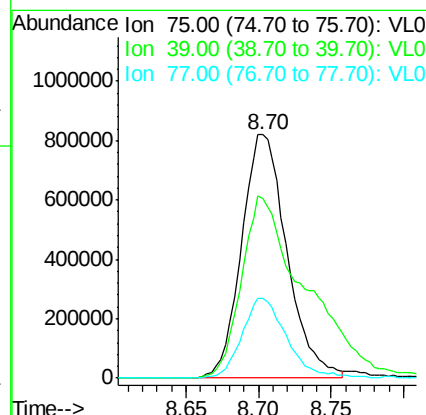
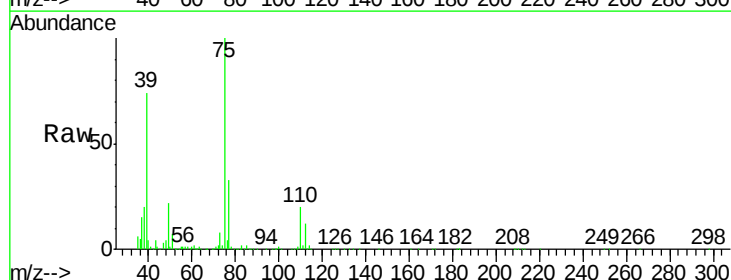
Manual Integrations
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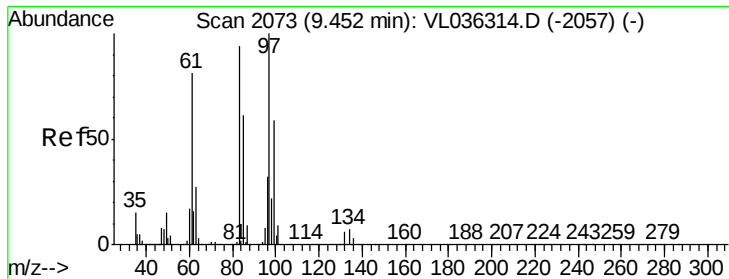
MMDadoda
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#46
cis-1,3-Dichloropropene
Concen: 11.073 ppbv
RT: 8.70 min Scan# 1840
Delta R.T. 0.03 min
Lab File: VL036375.D
Acq: 25 Feb 2021 7:24

Tgt Ion: 75 Resp: 1778932
Ion Ratio Lower Upper
75 100
39 73.7 59.2 88.8
77 32.6 25.0 37.6





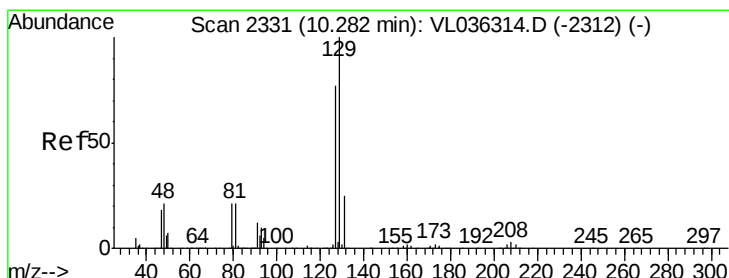
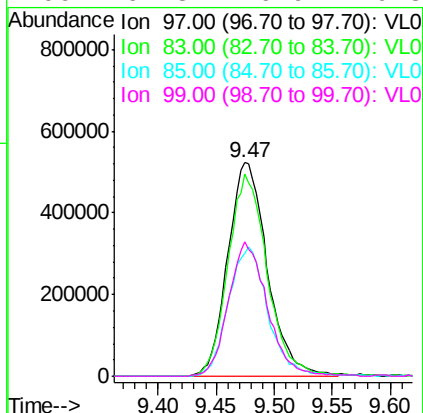
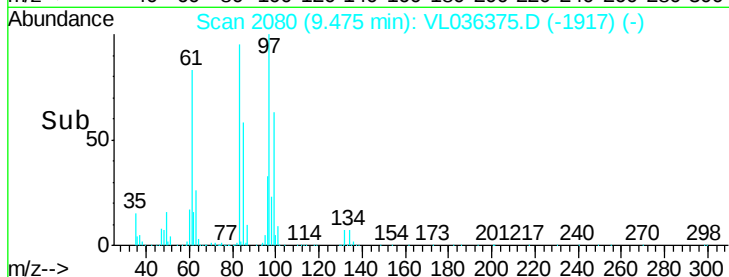
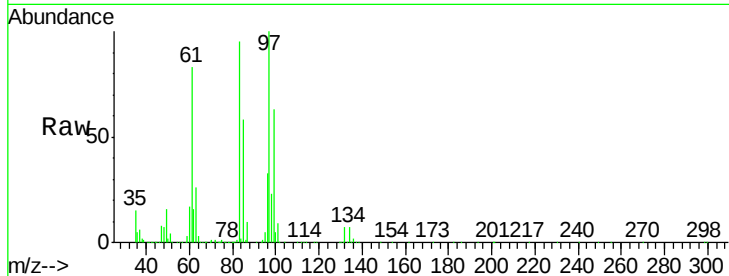
#47
 1,1,2-Trichloroethane
 Concen: 9.556 ppbv
 RT: 9.47 min Scan# 2080
 Delta R.T. 0.02 min
 Lab File: VL036375.D
 Acq: 25 Feb 2021 7:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	94.9	75.4	113.0	
85	57.6	48.9	73.3	
99	62.8	46.9	70.3	

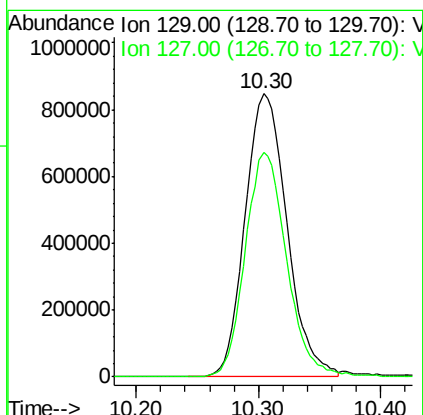
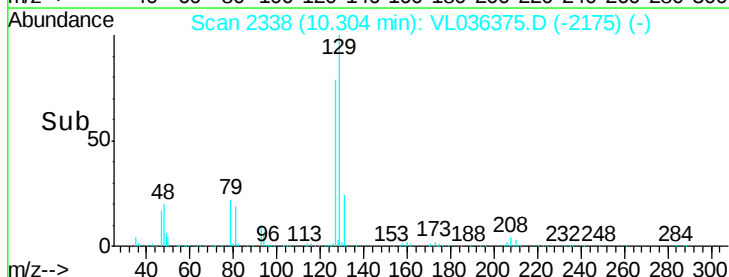
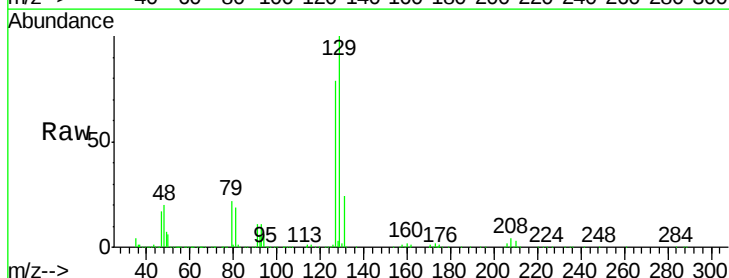
Manual Integrations
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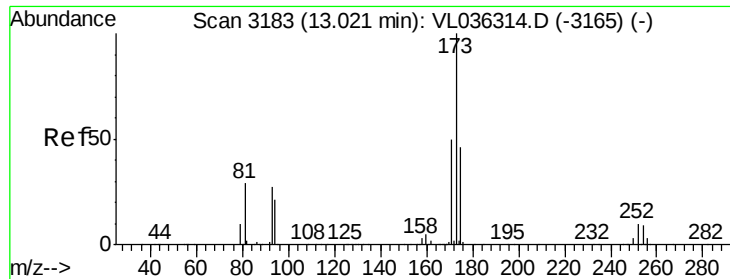
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#48
 Dibromochloromethane
 Concen: 10.426 ppbv
 RT: 10.30 min Scan# 2338
 Delta R.T. 0.02 min
 Lab File: VL036375.D
 Acq: 25 Feb 2021 7:24

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	79.1	39.1	117.2	





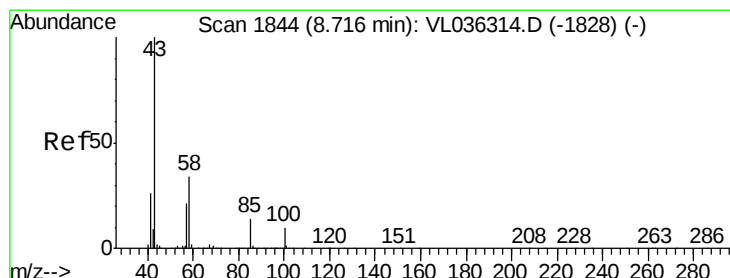
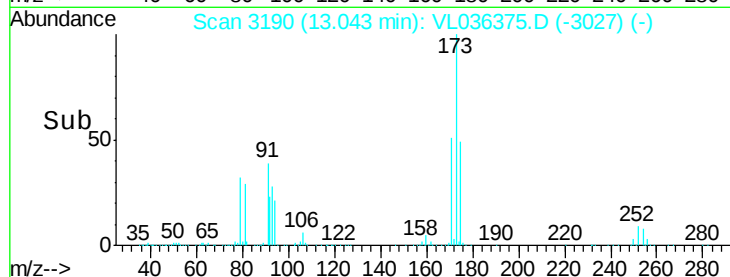
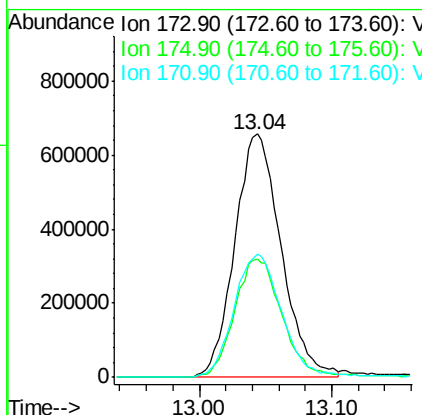
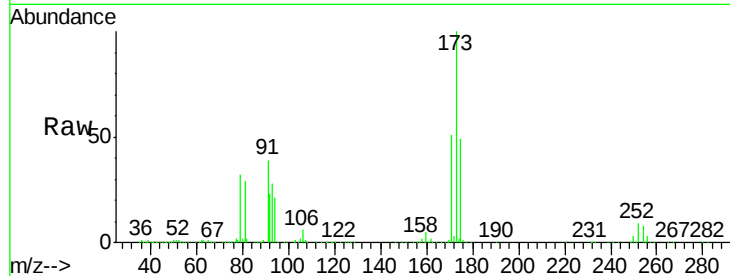
#49
Bromoform
Concen: 10.141 ppbv
RT: 13.04 min Scan# 3190
Delta R.T. 0.02 min
Lab File: VL036375.D
Acq: 25 Feb 2021 7:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:173 Resp: 1581032
Ion Ratio Lower Upper
173 100
175 51.5 40.2 60.2
171 53.6 43.4 65.2

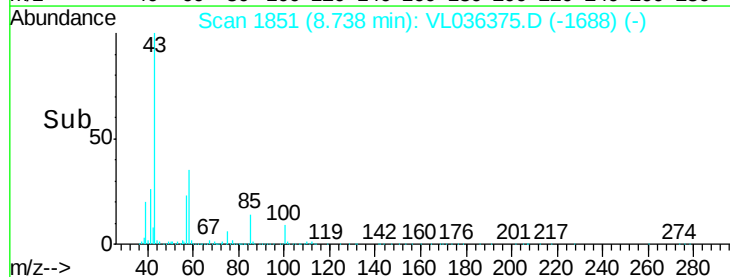
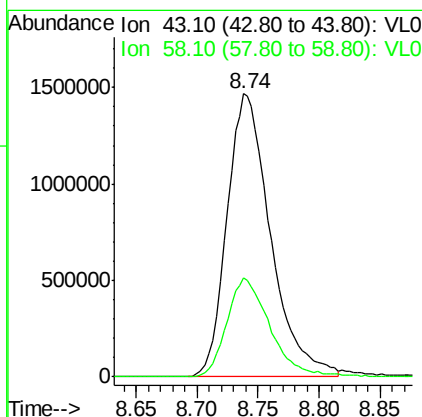
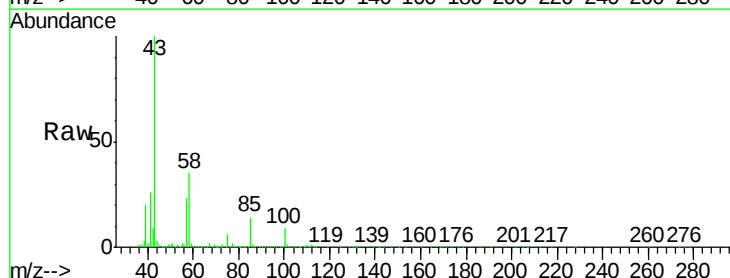
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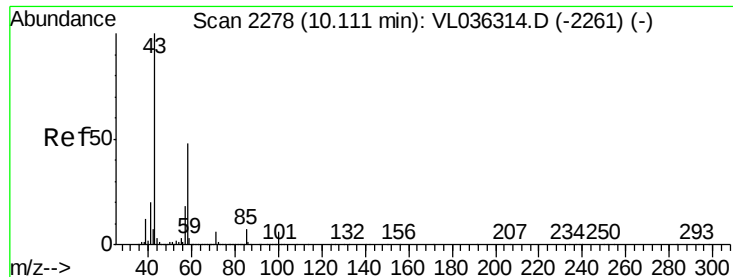
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#50
4-Methyl-2-Pentanone
Concen: 10.014 ppbv
RT: 8.74 min Scan# 1851
Delta R.T. 0.02 min
Lab File: VL036375.D
Acq: 25 Feb 2021 7:24

Tgt Ion: 43 Resp: 3614872
Ion Ratio Lower Upper
43 100
58 35.2 27.8 41.6





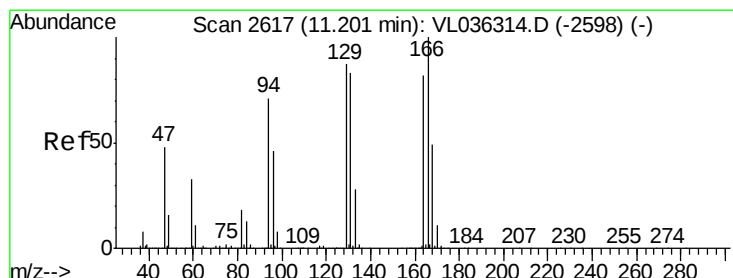
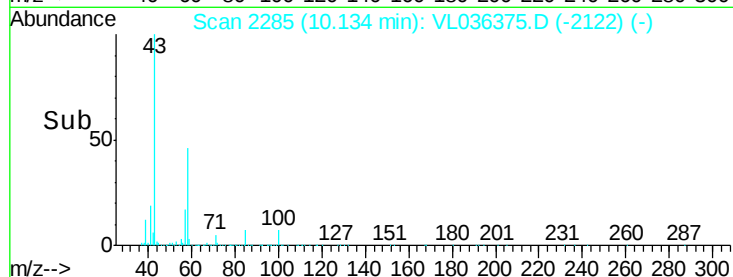
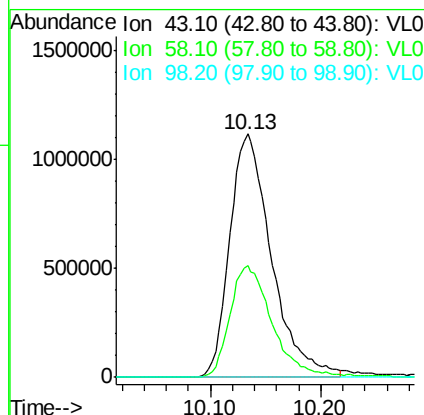
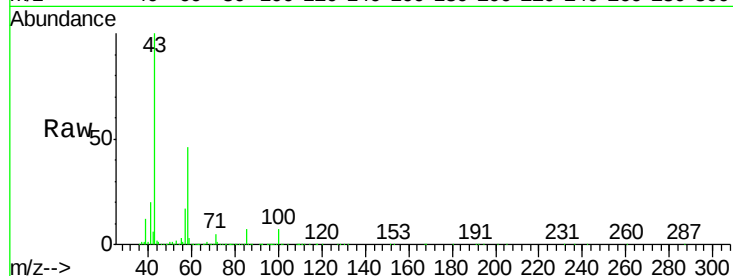
#51
2-Hexanone
Concen: 10.639 ppbv
RT: 10.13 min Scan# 2285
Delta R.T. 0.02 min
Lab File: VL036375.D
Acq: 25 Feb 2021 7:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 43 Resp: 2917991
Ion Ratio Lower Upper
43 100
58 47.3 38.7 58.1
98 0.3 0.4 0.6#

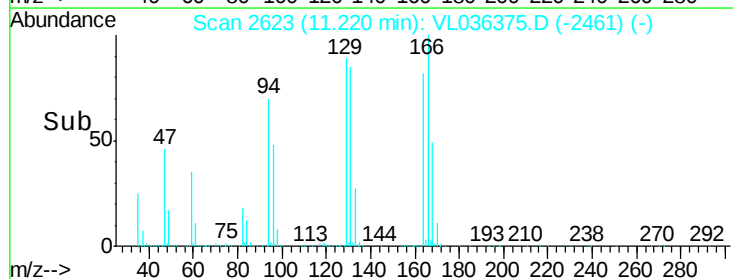
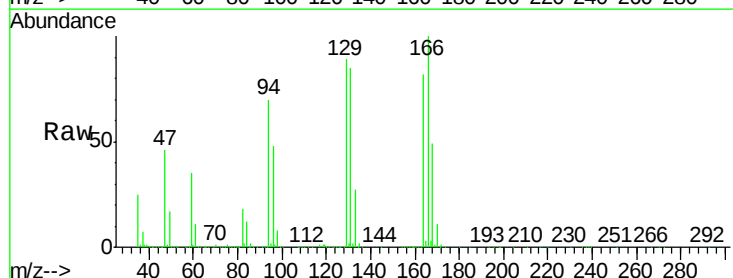
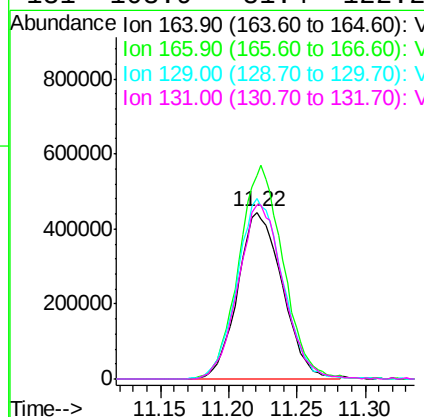
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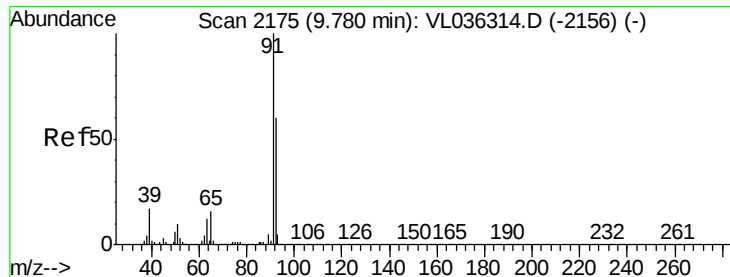
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#52
Tetrachloroethene
Concen: 8.867 ppbv
RT: 11.22 min Scan# 2623
Delta R.T. 0.02 min
Lab File: VL036375.D
Acq: 25 Feb 2021 7:24

Tgt Ion: 164 Resp: 1009141
Ion Ratio Lower Upper
164 100
166 122.0 97.8 146.8
129 107.6 84.9 127.3
131 103.9 81.4 122.2





#53

Toluene

Concen: 10.258 ppbv

RT: 9.81 min Scan# 2183

Delta R.T. 0.03 min

Lab File: VL036375.D

Acq: 25 Feb 2021 7:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 3454113

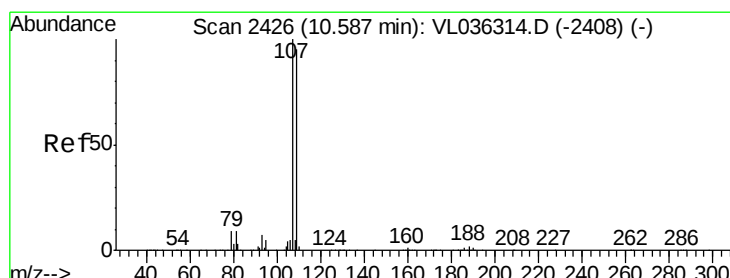
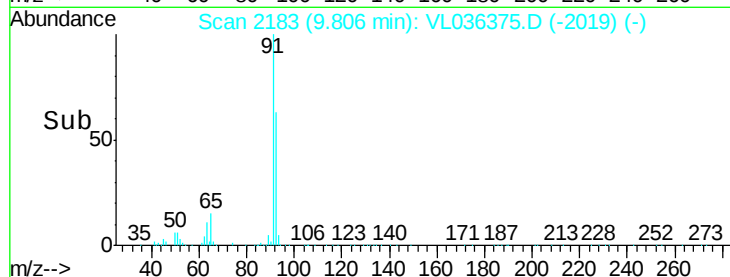
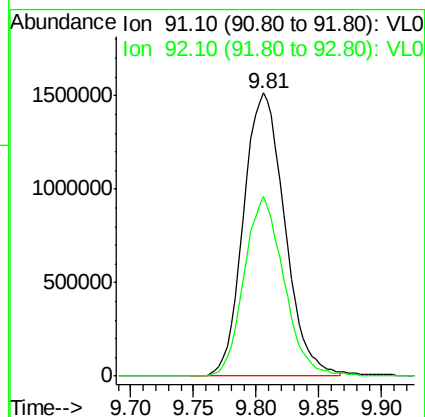
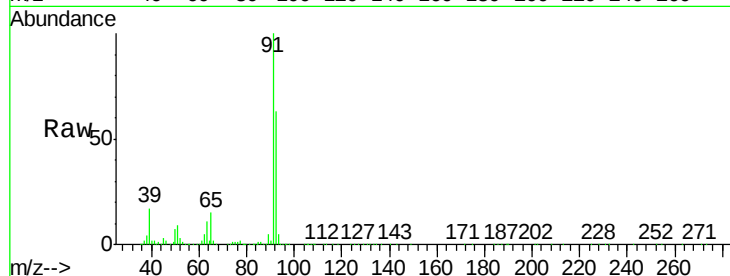
Ion Ratio Lower Upper

91 100

92 61.4 48.6 72.8

Manual Integrations
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#54

1,2-Dibromoethane

Concen: 9.811 ppbv

RT: 10.61 min Scan# 2433

Delta R.T. 0.02 min

Lab File: VL036375.D

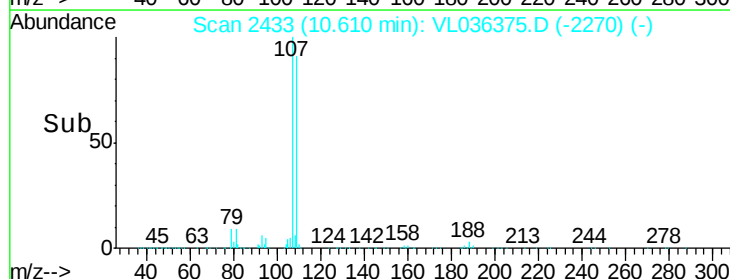
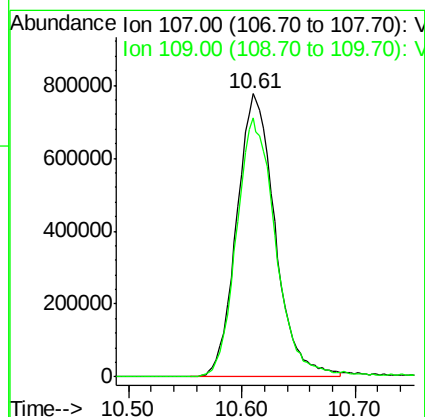
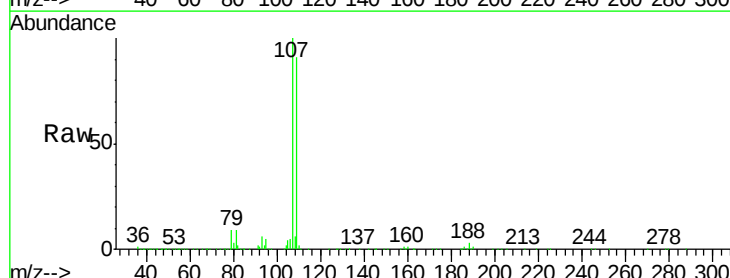
Acq: 25 Feb 2021 7:24

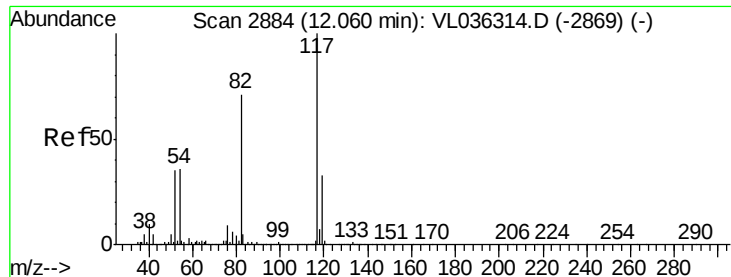
Tgt Ion: 107 Resp: 1832405

Ion Ratio Lower Upper

107 100

109 91.4 76.0 114.0





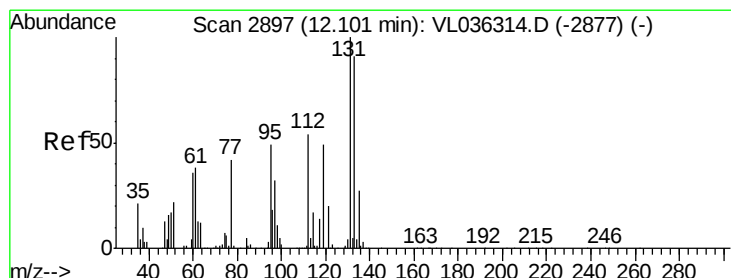
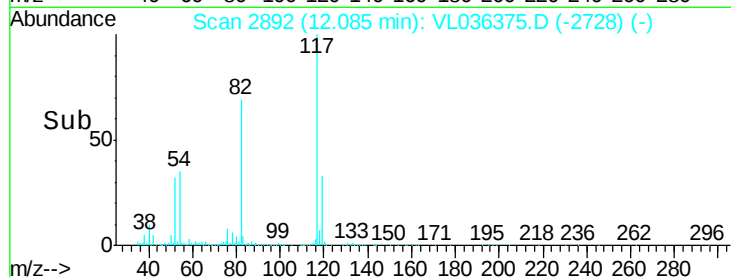
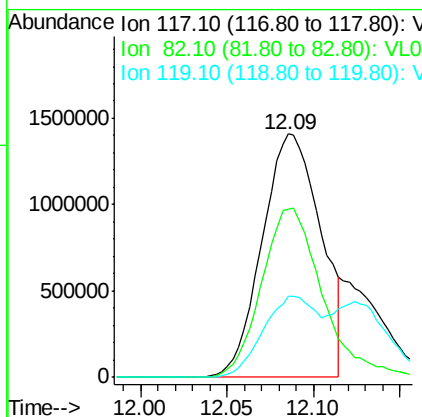
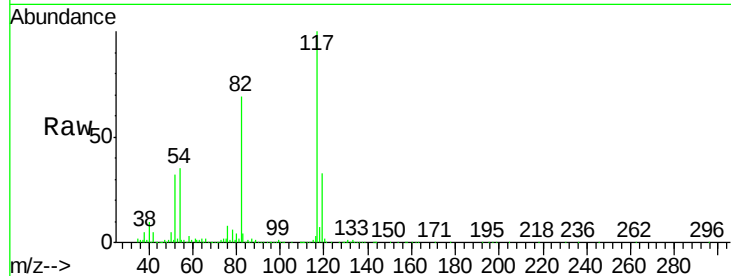
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.09 min Scan# 2892
Delta R.T. 0.03 min
Lab File: VL036375.D
Acq: 25 Feb 2021 7:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	73.2	59.1	88.7
119	32.5	46.3	69.5#

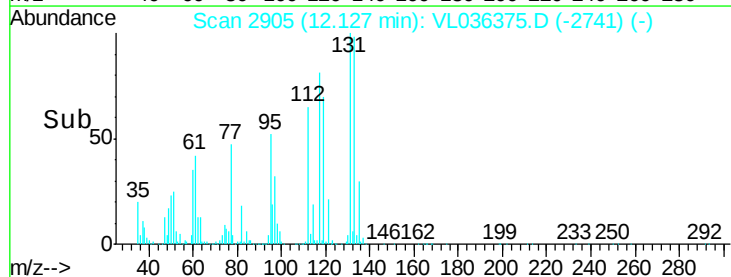
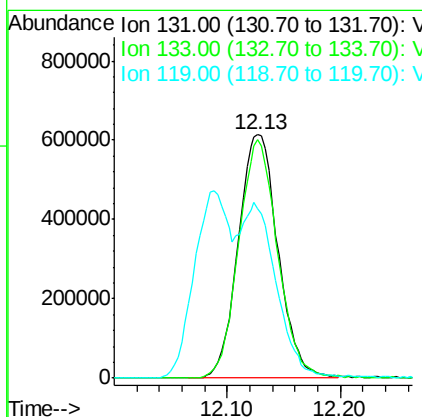
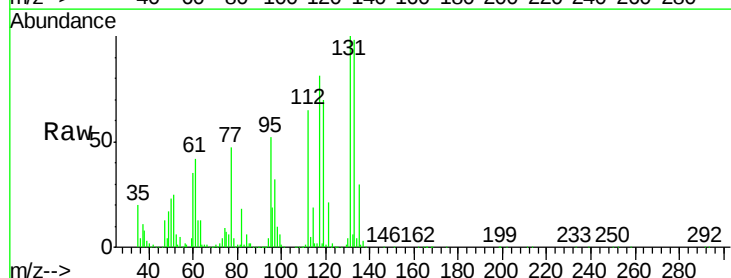
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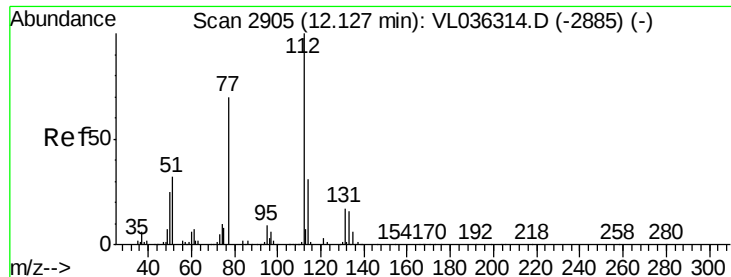
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.777 ppbv
RT: 12.13 min Scan# 2905
Delta R.T. 0.03 min
Lab File: VL036375.D
Acq: 25 Feb 2021 7:24

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.3	76.0	114.0
119	64.6	115.1	172.7#





#57

Chlorobenzene

Concen: 9.446 ppbv

RT: 12.15 min Scan# 2912

Delta R.T. 0.02 min

Lab File: VL036375.D

Acq: 25 Feb 2021 7:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 112 Resp: 2429832

Ion Ratio Lower Upper

112 100

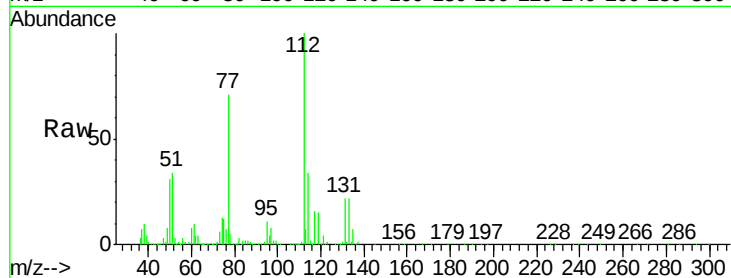
77 69.7 56.1 84.1

114 33.7 28.3 34.5

Manual Integrations
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MMDadoda

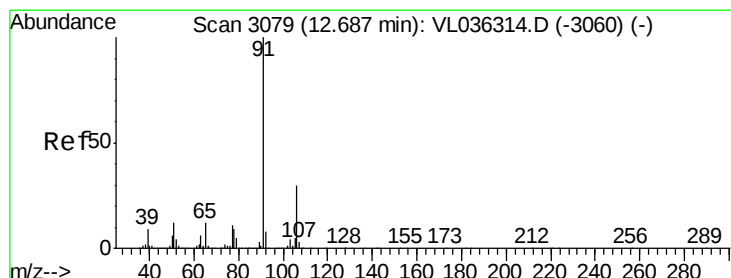
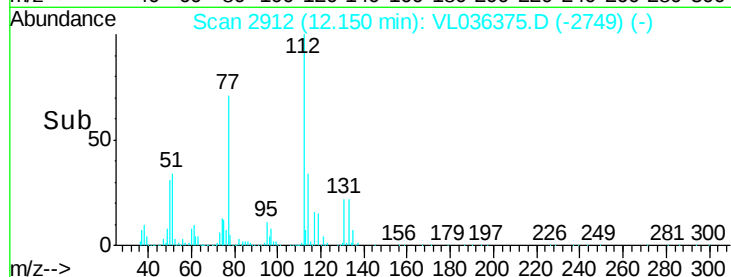
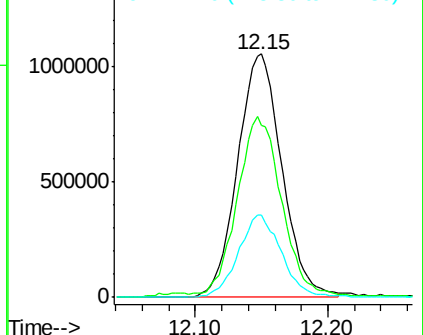
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 10.191 ppbv

RT: 12.71 min Scan# 3087

Delta R.T. 0.03 min

Lab File: VL036375.D

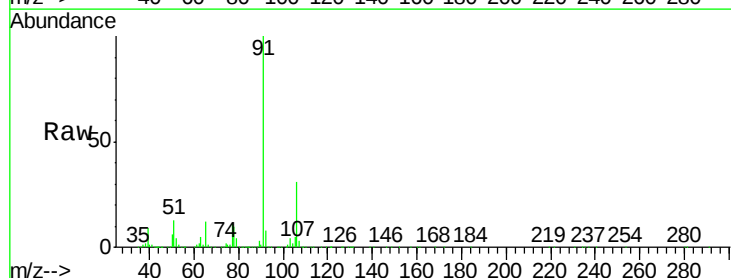
Acq: 25 Feb 2021 7:24

Tgt Ion: 91 Resp: 4646337

Ion Ratio Lower Upper

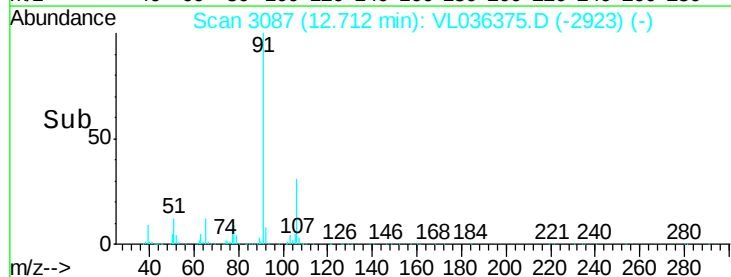
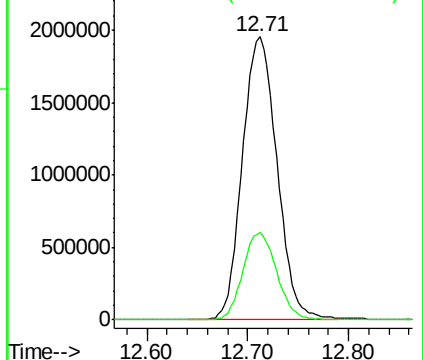
91 100

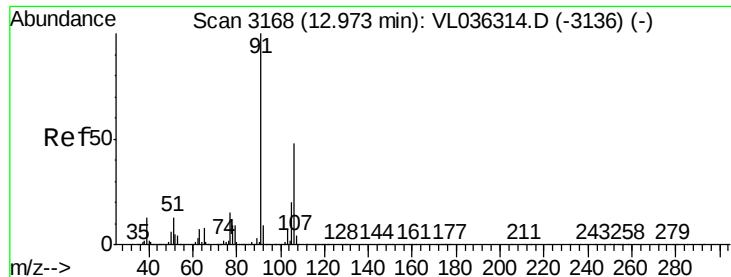
106 31.0 23.8 35.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





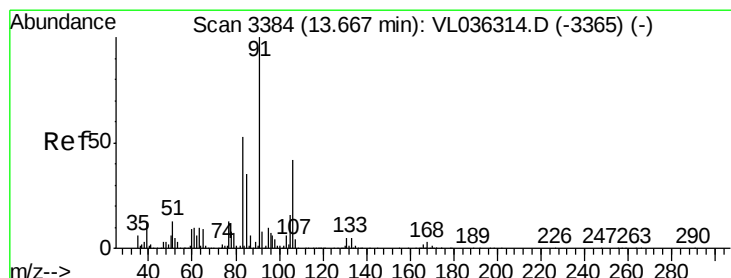
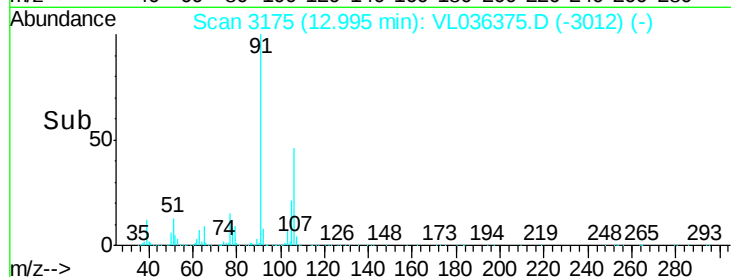
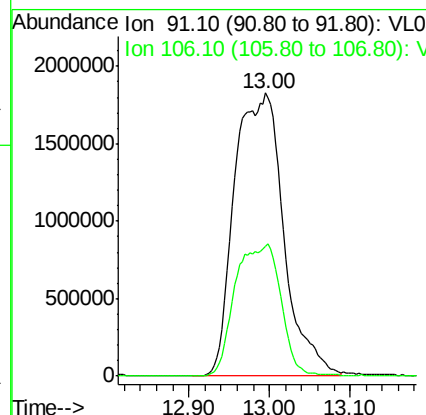
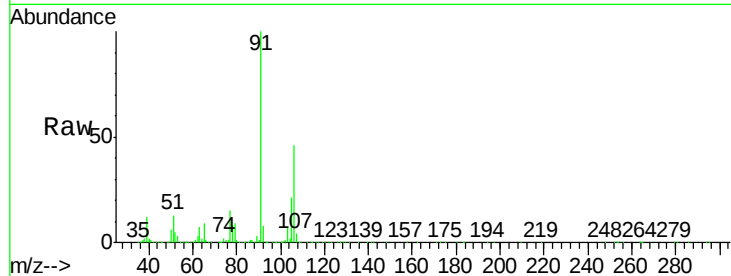
#59
m/p-Xylene
Concen: 19.515 ppbv m
RT: 13.00 min Scan# 3175
Delta R.T. 0.02 min
Lab File: VL036375.D
Acq: 25 Feb 2021 7:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 91 Resp: 7814747
Ion Ratio Lower Upper
91 100
106 43.5 34.2 51.2

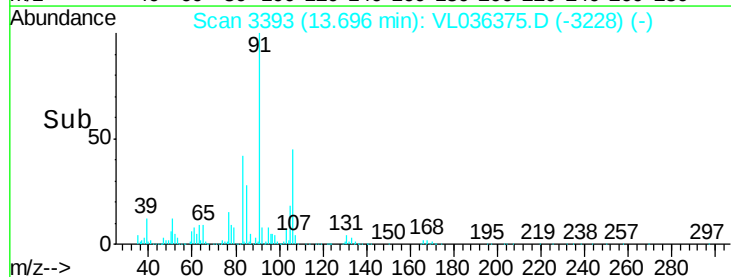
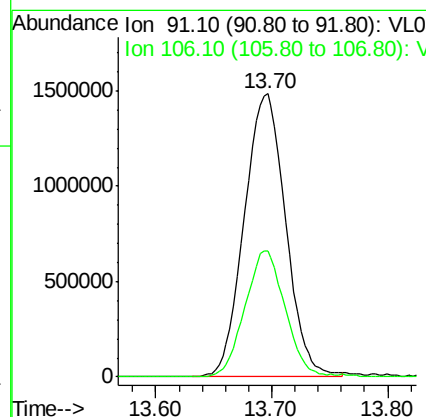
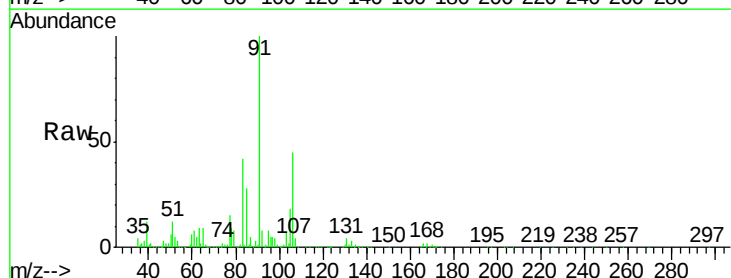
Manual Integrations
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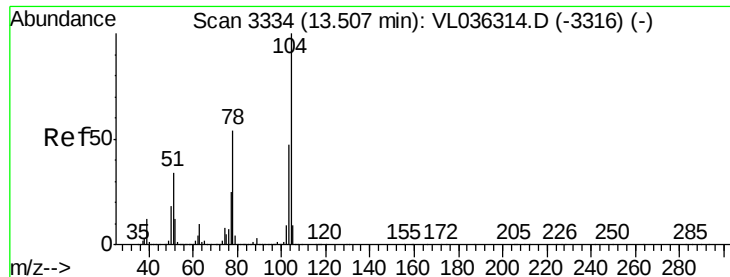
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#60
o-Xylene
Concen: 9.618 ppbv
RT: 13.70 min Scan# 3393
Delta R.T. 0.03 min
Lab File: VL036375.D
Acq: 25 Feb 2021 7:24

Tgt Ion: 91 Resp: 3682605
Ion Ratio Lower Upper
91 100
106 43.8 22.0 66.0





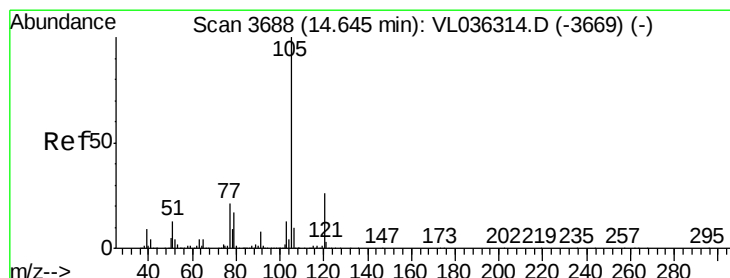
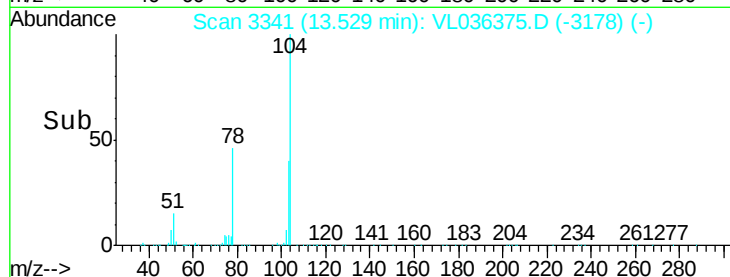
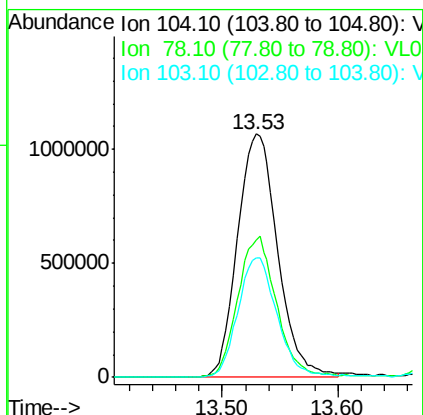
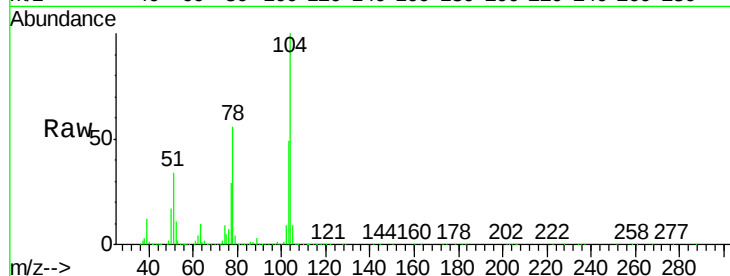
#61
Stvrene
Concen: 10.823 ppbv
RT: 13.53 min Scan# 3341
Delta R.T. 0.02 min
Lab File: VL036375.D
Acq: 25 Feb 2021 7:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
104	100		
78	56.4	46.2	69.2
103	48.3	38.3	57.5

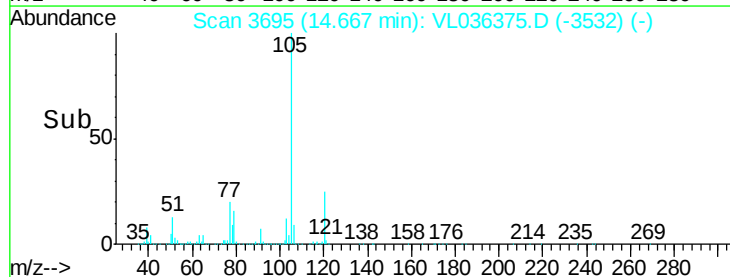
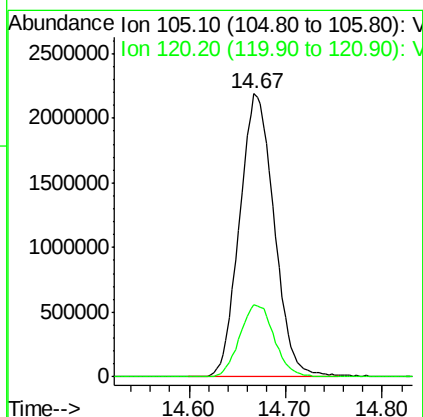
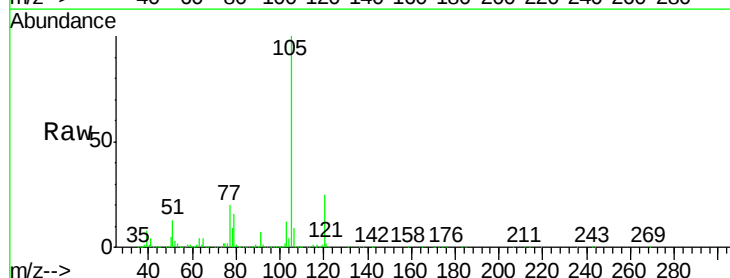
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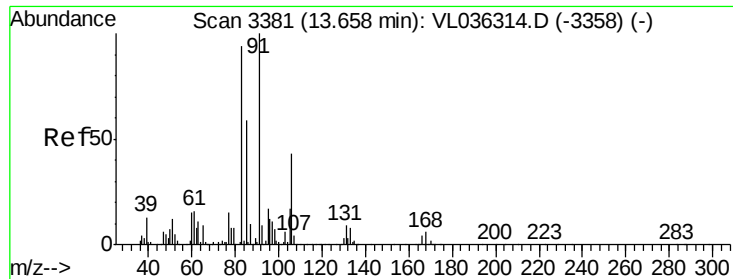
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#62
Isopropylbenzene
Concen: 9.487 ppbv
RT: 14.67 min Scan# 3695
Delta R.T. 0.02 min
Lab File: VL036375.D
Acq: 25 Feb 2021 7:24

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.6	20.6	30.8





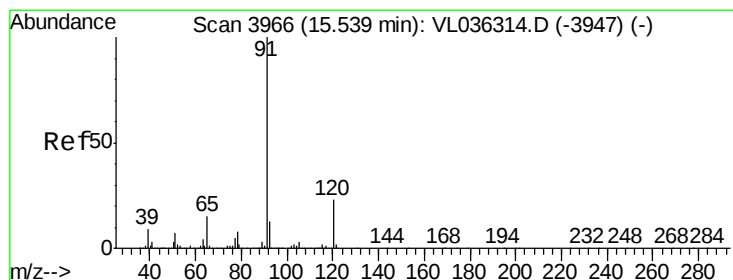
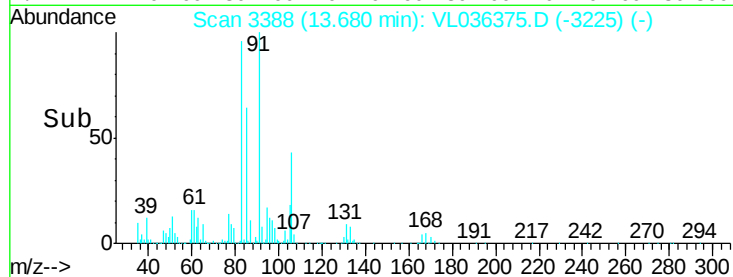
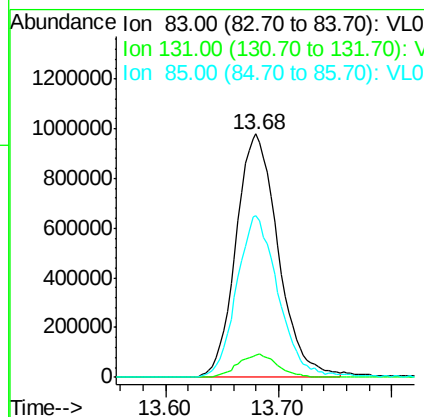
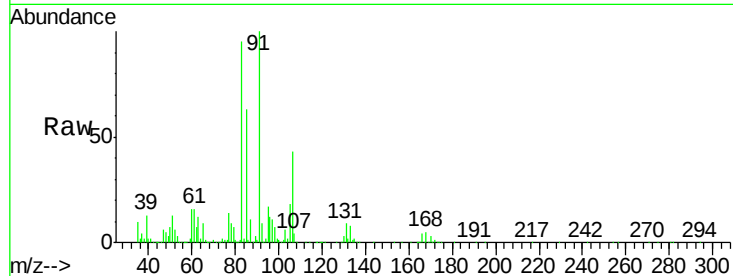
#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.381 ppbv
 RT: 13.68 min Scan# 3388
 Delta R.T. 0.02 min
 Lab File: VL036375.D
 Acq: 25 Feb 2021 7:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	83	Resp	2532019
Ion Ratio	Lower	Upper	
83	100		
131	9.2	4.7	14.0
85	66.6	33.0	98.9

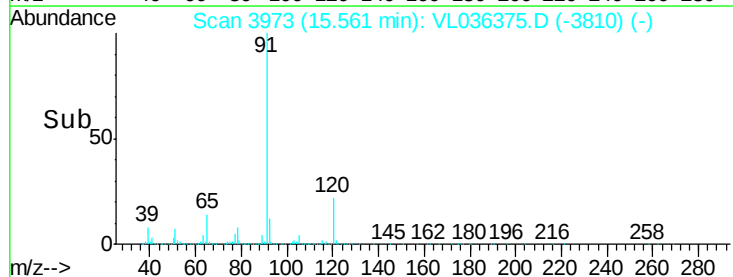
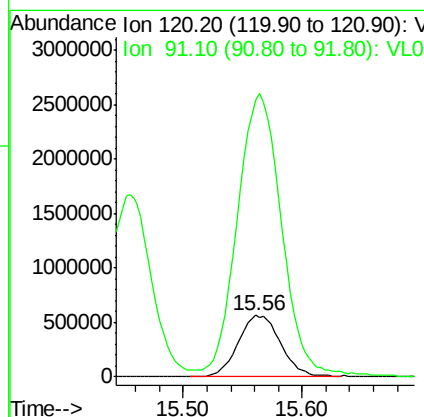
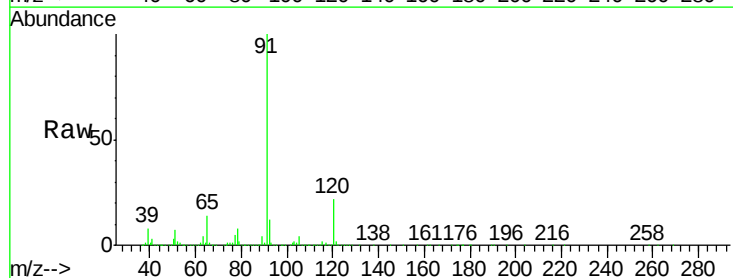
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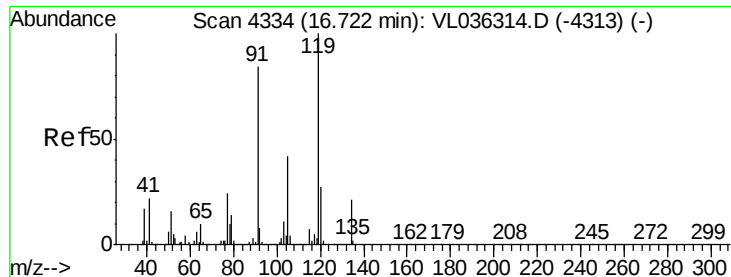
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#64
 n-propylbenzene
 Concen: 9.837 ppbv
 RT: 15.56 min Scan# 3973
 Delta R.T. 0.02 min
 Lab File: VL036375.D
 Acq: 25 Feb 2021 7:24

Tgt Ion	120	Resp	1389444
Ion Ratio	Lower	Upper	
120	100		
91	483.8	387.2	580.8





#65

tert-Butylbenzene

Concen: 9.315 ppbv

RT: 16.75 min Scan# 4342

Delta R.T. 0.03 min

Lab File: VL036375.D

Acq: 25 Feb 2021 7:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:119 Resp: 4574030

Ion Ratio Lower Upper

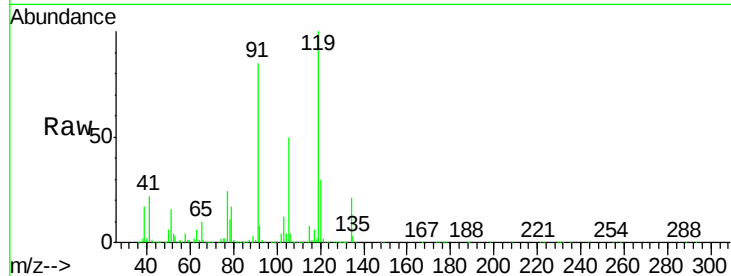
119 100

91 86.2 70.5 105.7

134 20.0 15.8 23.8

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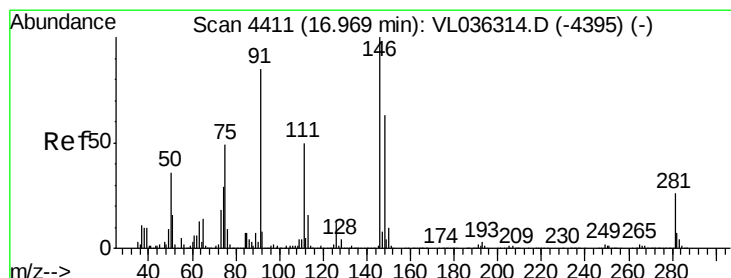
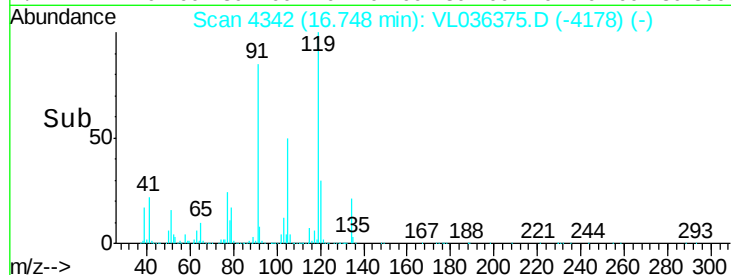
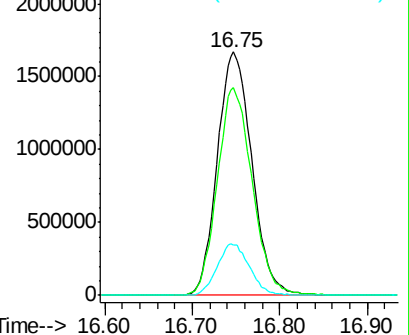
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Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 11.594 ppbv

RT: 16.99 min Scan# 4418

Delta R.T. 0.02 min

Lab File: VL036375.D

Acq: 25 Feb 2021 7:24

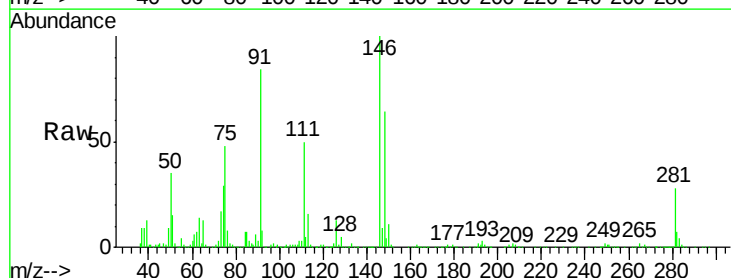
Tgt Ion: 91 Resp: 1547767

Ion Ratio Lower Upper

91 100

126 16.5 12.9 19.3

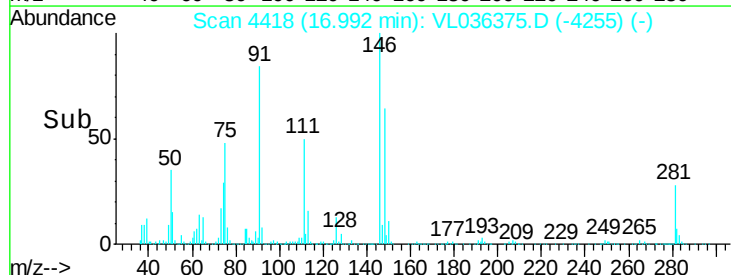
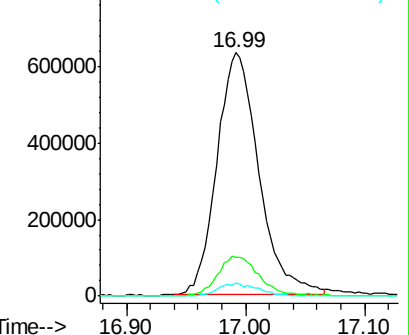
128 5.3 4.2 6.2

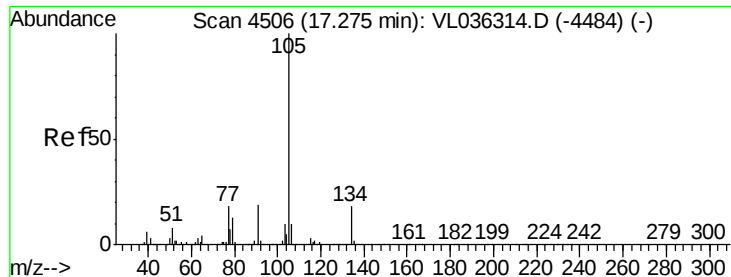


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 9.182 ppbv

RT: 17.30 min Scan# 4513

Delta R.T. 0.02 min

Lab File: VL036375.D

Acq: 25 Feb 2021 7:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 105 Resp: 6502023

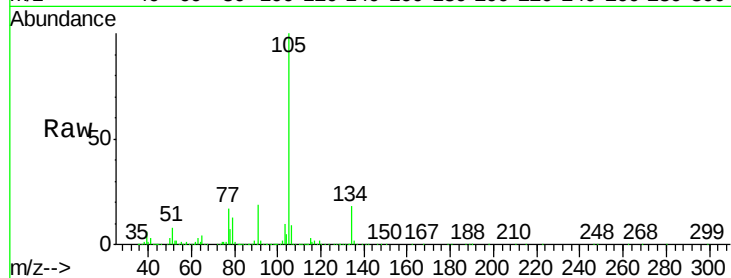
Ion Ratio Lower Upper

105 100

134 18.3 14.2 21.4

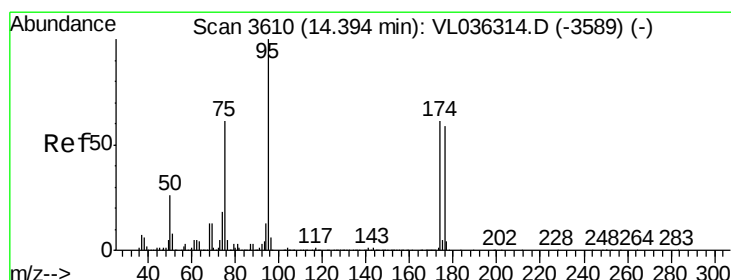
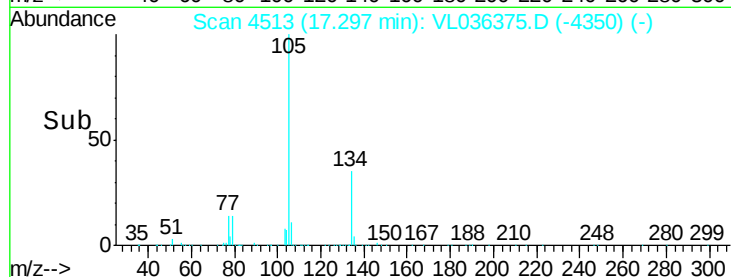
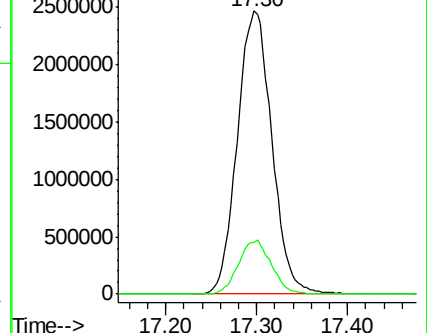
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.550 ppbv

RT: 14.42 min Scan# 3617

Delta R.T. 0.02 min

Lab File: VL036375.D

Acq: 25 Feb 2021 7:24

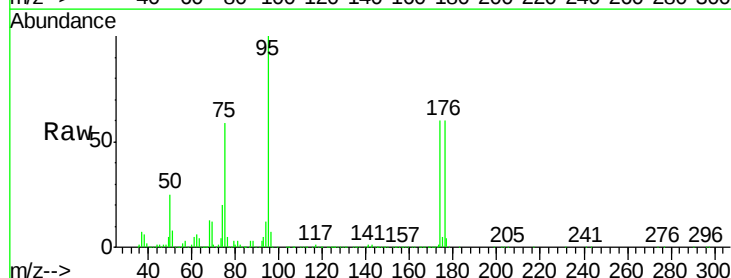
Tgt Ion: 95 Resp: 2889934

Ion Ratio Lower Upper

95 100

174 62.1 49.8 74.6

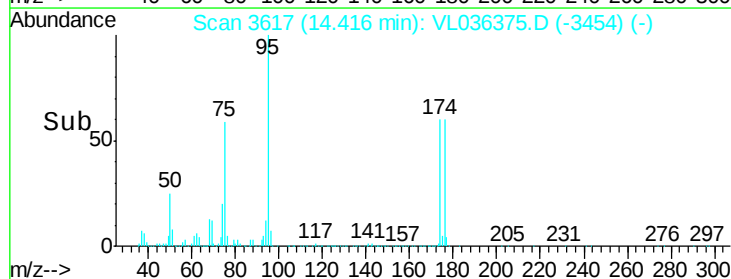
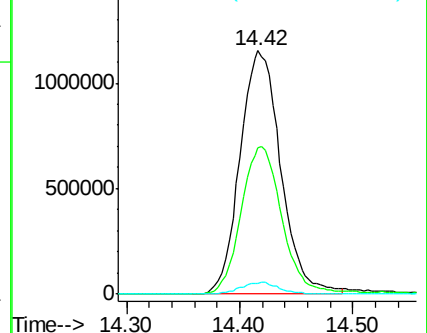
175 4.7 3.7 5.5

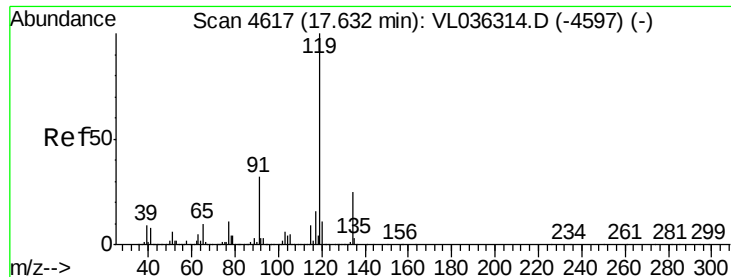


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





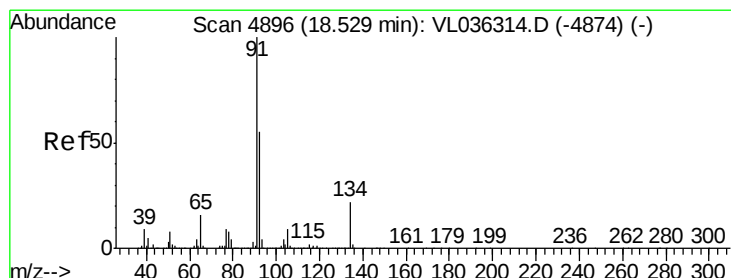
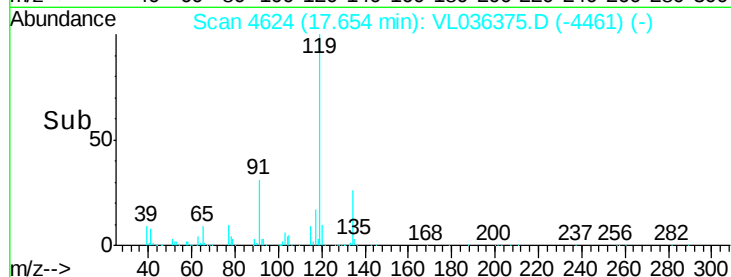
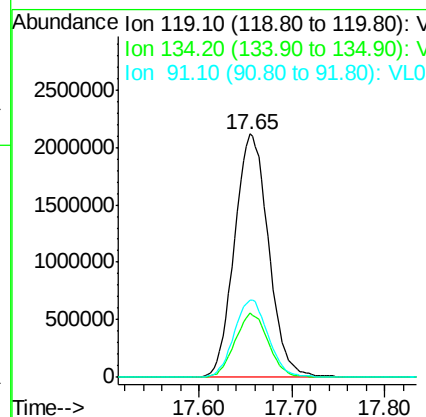
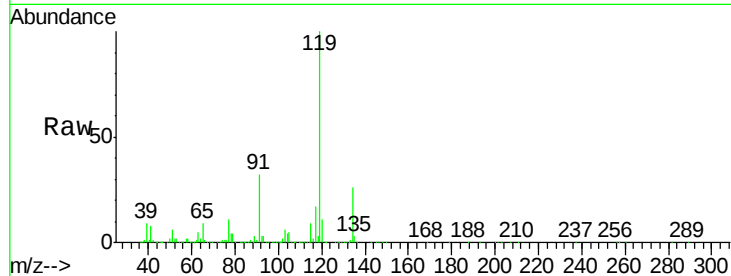
#69
 p-Isopropyltoluene
 Concen: 9.830 ppbv
 RT: 17.65 min Scan# 4624
 Delta R.T. 0.02 min
 Lab File: VL036375.D
 Acq: 25 Feb 2021 7:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.8	20.1	30.1
91	31.7	25.8	38.6

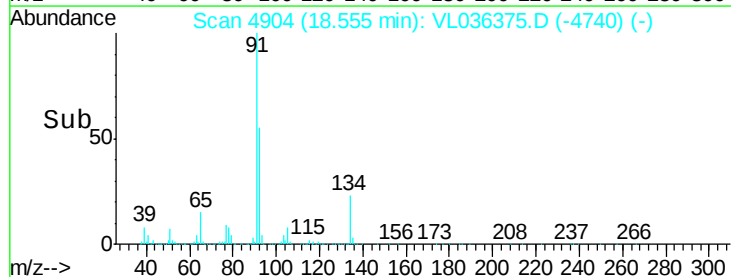
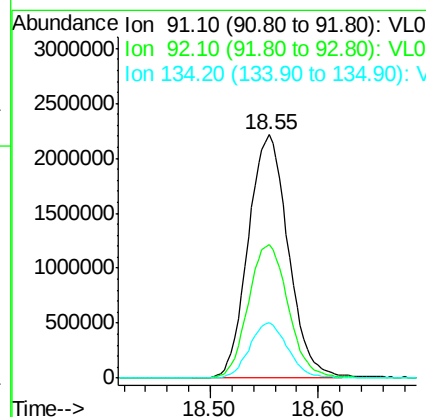
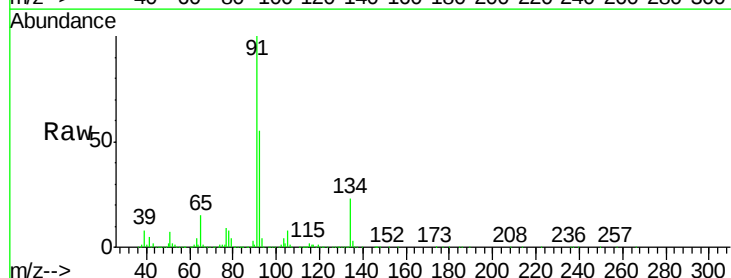
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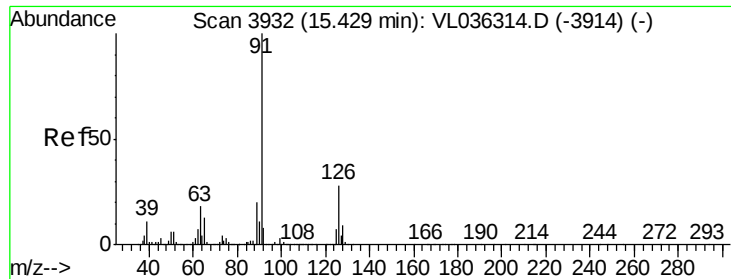
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#70
 n-Butylbenzene
 Concen: 9.712 ppbv
 RT: 18.55 min Scan# 4904
 Delta R.T. 0.03 min
 Lab File: VL036375.D
 Acq: 25 Feb 2021 7:24

Tgt Ion	Ratio	Lower	Upper
91	100		
92	55.3	43.7	65.5
134	21.9	17.4	26.0





#71

2-Chlorotoluene

Concen: 9.522 ppbv

RT: 15.45 min Scan# 3940

Delta R.T. 0.03 min

Lab File: VL036375.D

Acq: 25 Feb 2021 7:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 4189229

Ion Ratio Lower Upper

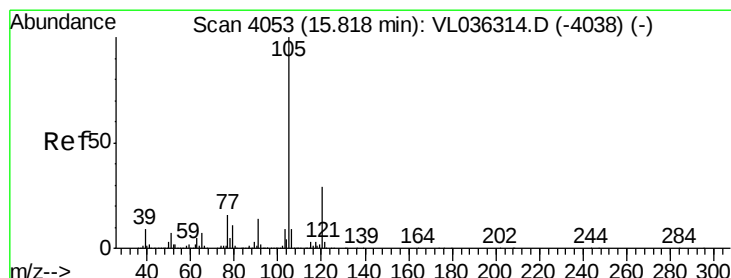
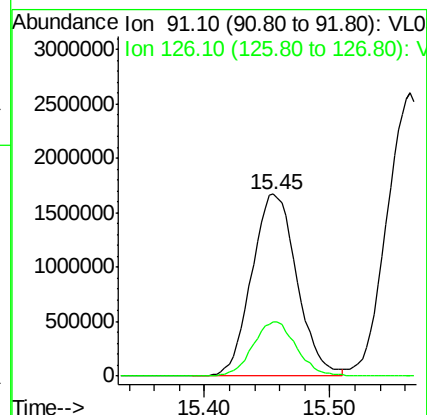
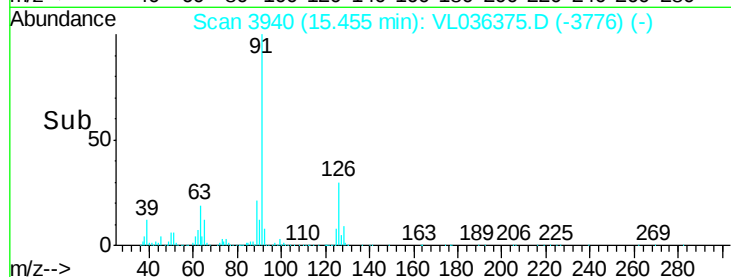
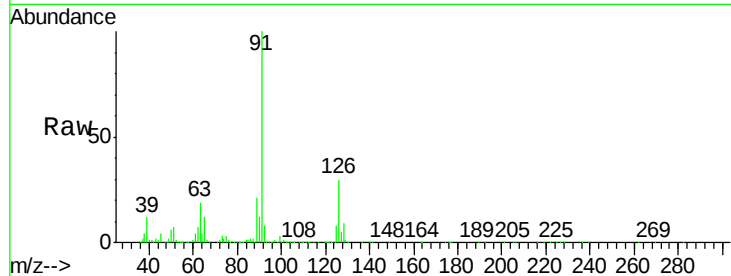
91 100

126 29.2 11.5 46.1

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2/26/2021 4:18:17 PM



#72

4-Ethyltoluene

Concen: 9.693 ppbv

RT: 15.84 min Scan# 4061

Delta R.T. 0.03 min

Lab File: VL036375.D

Acq: 25 Feb 2021 7:24

Tgt Ion: 105 Resp: 4130161

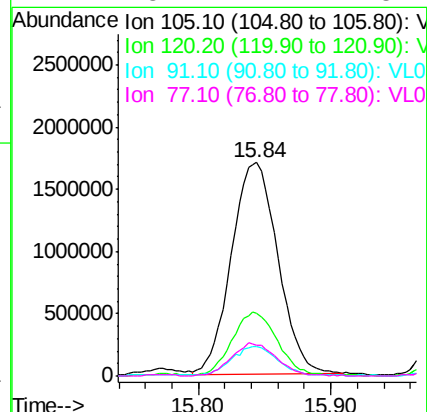
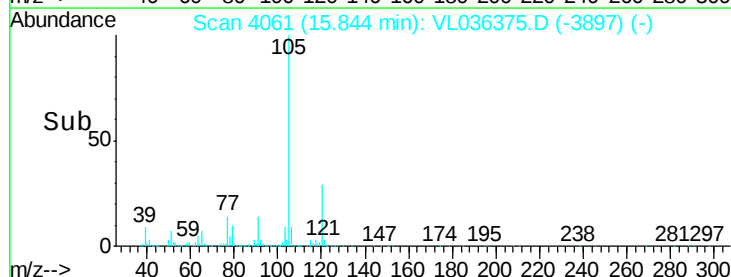
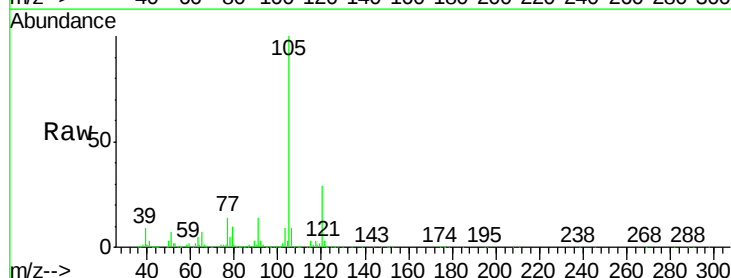
Ion Ratio Lower Upper

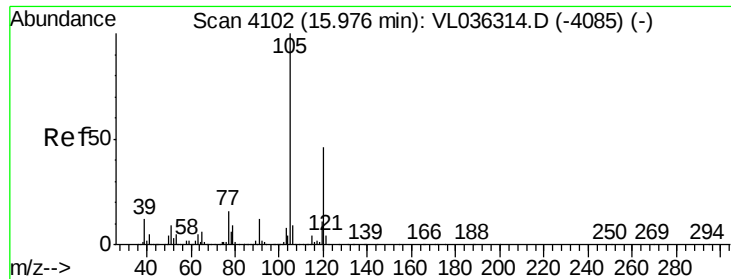
105 100

120 30.0 23.2 34.8

91 15.0 11.0 16.4

77 15.2 12.2 18.4





#73

1,3,5-Trimethylbenzene

Concen: 9.431 ppbv

RT: 16.00 min Scan# 4110

Delta R.T. 0.03 min

Lab File: VL036375.D

Acq: 25 Feb 2021 7:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 3895632

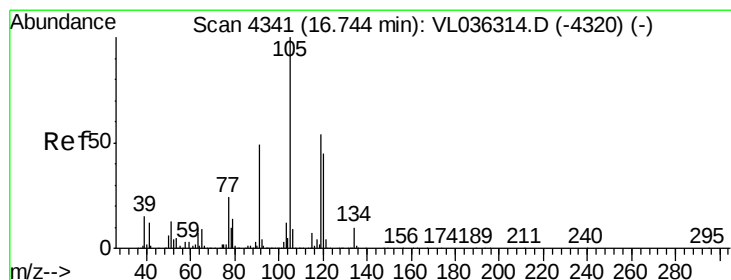
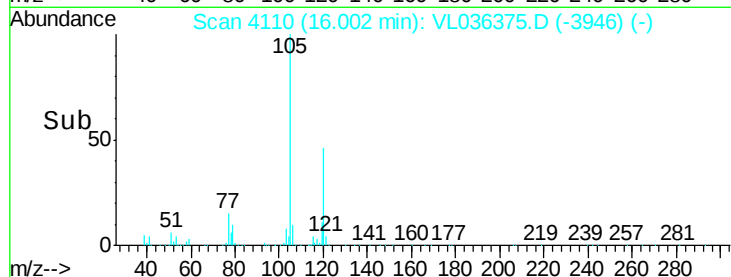
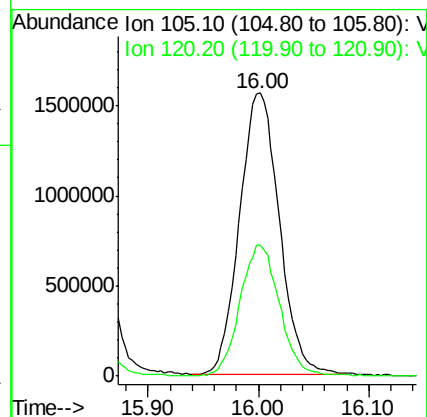
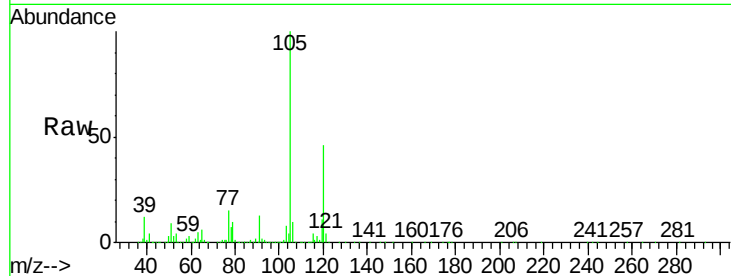
Ion Ratio Lower Upper

105 100

120 46.4 36.9 55.3

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#74

1,2,4-Trimethylbenzene

Concen: 9.435 ppbv

RT: 16.77 min Scan# 4348

Delta R.T. 0.02 min

Lab File: VL036375.D

Acq: 25 Feb 2021 7:24

Tgt Ion:105 Resp: 3978545

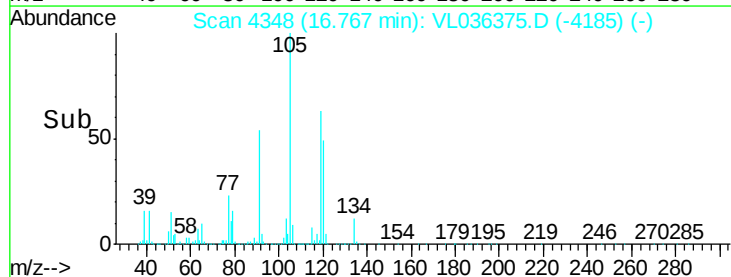
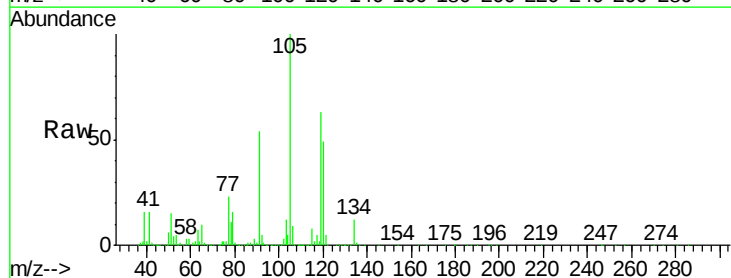
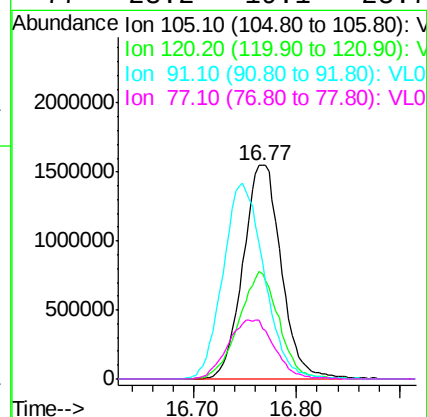
Ion Ratio Lower Upper

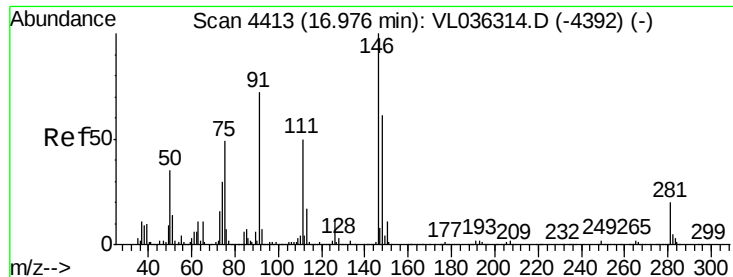
105 100

120 49.1 35.8 53.6

91 53.9 39.8 59.6

77 23.2 19.1 28.7





#75

1,3-Dichlorobenzene

Concen: 9.433 ppbv

RT: 17.00 min Scan# 4420

Delta R.T. 0.02 min

Lab File: VL036375.D

Acq: 25 Feb 2021 7:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:146 Resp: 2159047

Ion Ratio Lower Upper

146 100

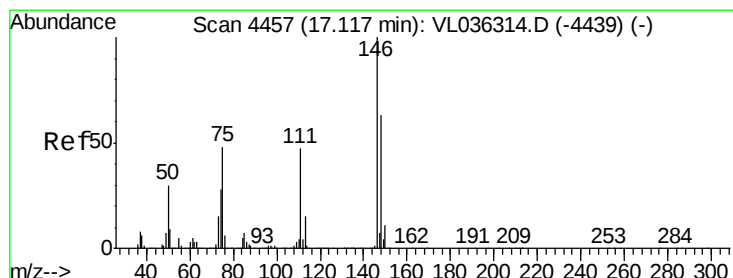
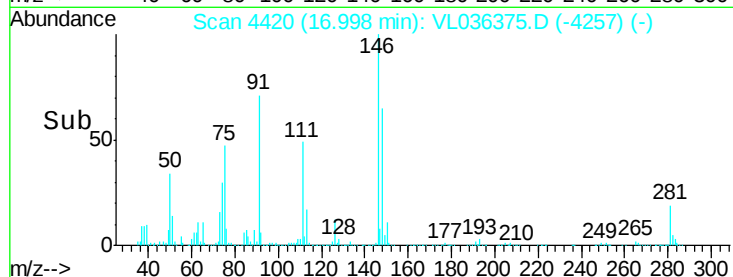
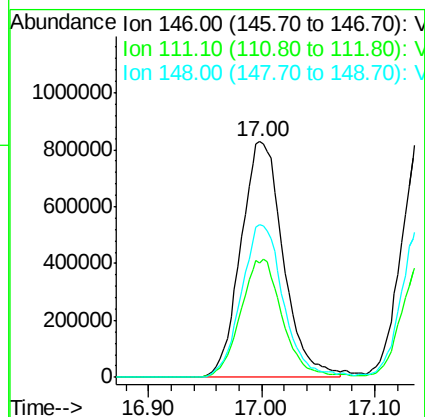
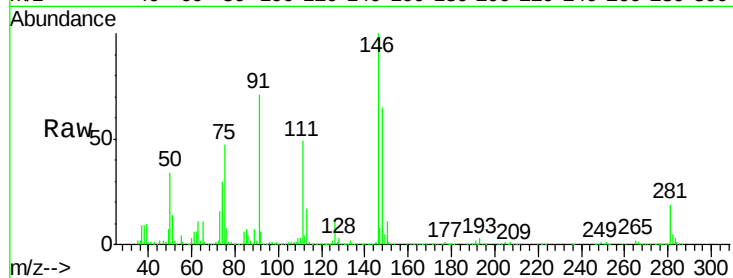
111 49.7 24.9 74.6

148 64.5 31.9 95.9

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#76

1,4-Dichlorobenzene

Concen: 8.852 ppbv

RT: 17.14 min Scan# 4464

Delta R.T. 0.02 min

Lab File: VL036375.D

Acq: 25 Feb 2021 7:24

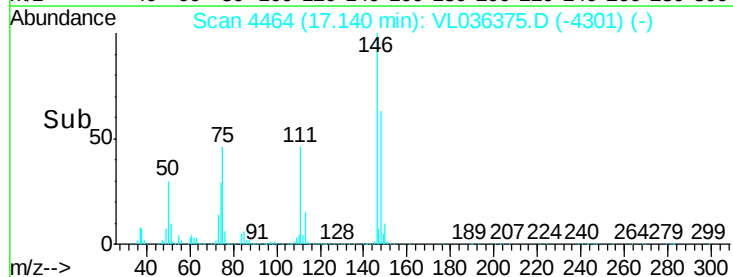
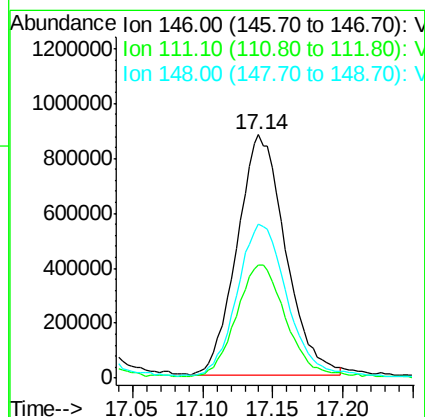
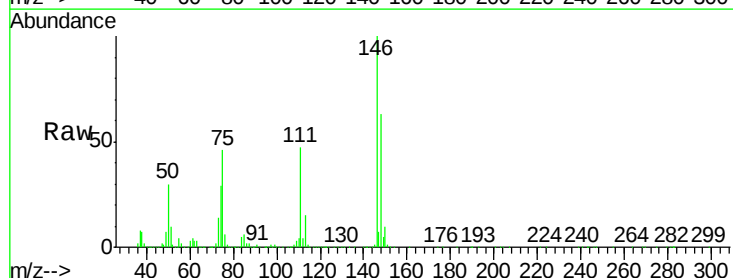
Tgt Ion:146 Resp: 2103846

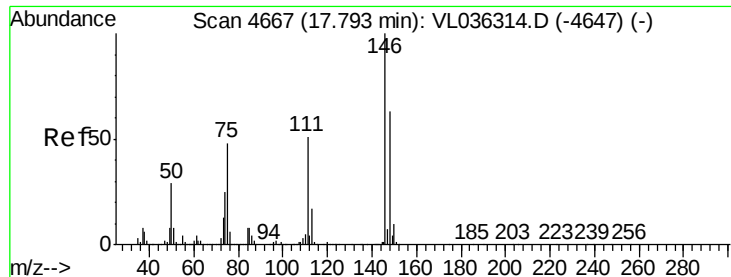
Ion Ratio Lower Upper

146 100

111 49.3 23.6 71.0

148 67.6 31.6 95.0





#77

1,2-Dichlorobenzene

Concen: 9.238 ppbv

RT: 17.82 min Scan# 4676

Delta R.T. 0.03 min

Lab File: VL036375.D

Acq: 25 Feb 2021 7:24

Instrument :

MSVOA_L

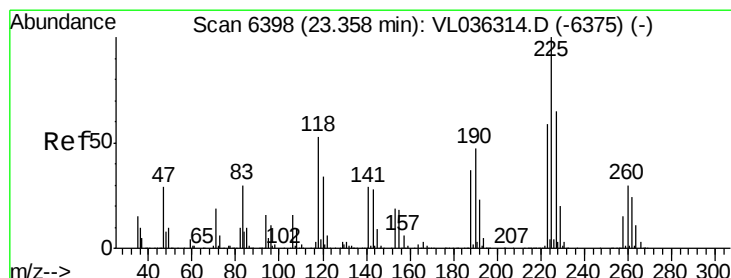
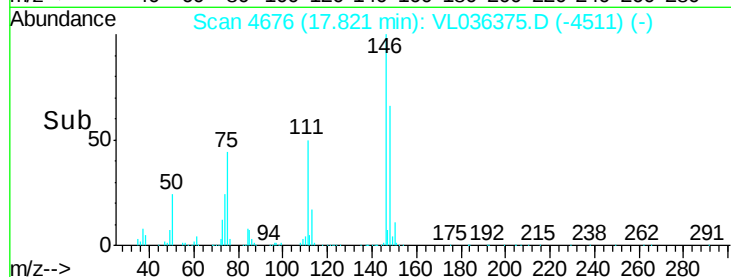
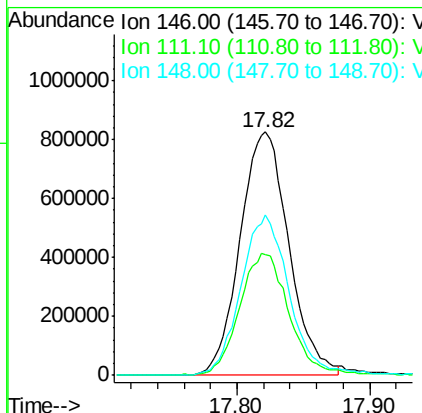
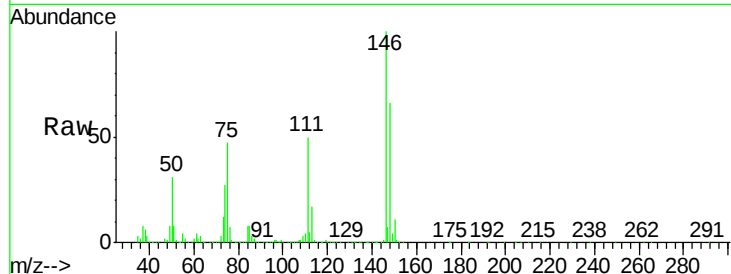
ClientSampleId :

VSTDCCC010EC

Tot Ion:	146	Resp:	2097544
Ion	Ratio	Lower	Upper
146	100		
111	51.4	25.9	77.8
148	65.9	32.5	97.4

Manual Integrations
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#78

Hexachloro-1,3-Butadiene

Concen: 9.360 ppbv

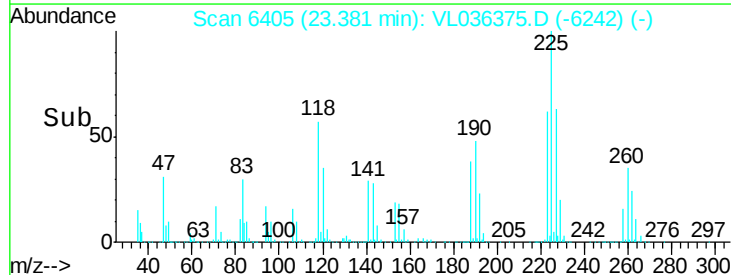
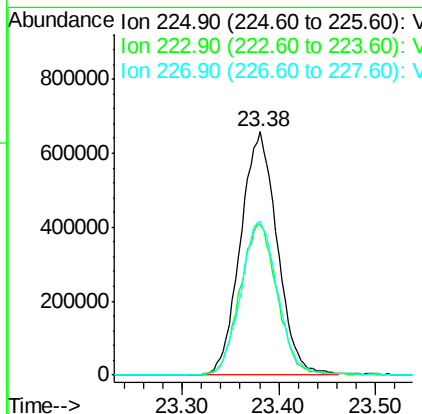
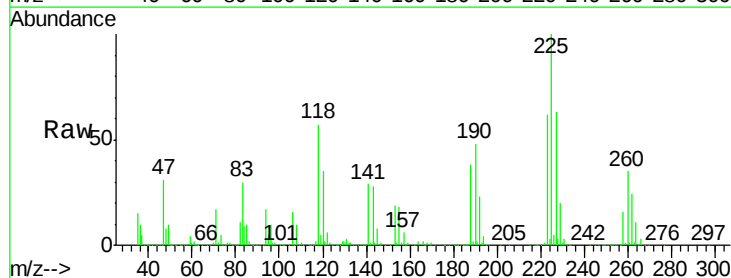
RT: 23.38 min Scan# 6405

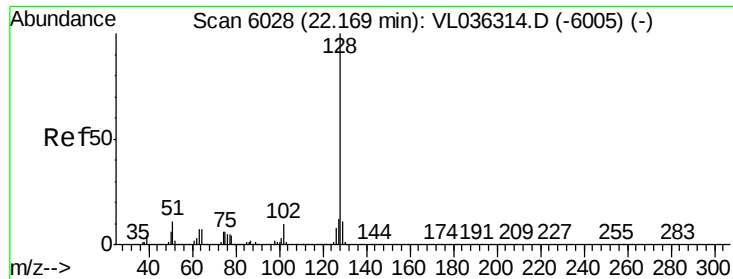
Delta R.T. 0.02 min

Lab File: VL036375.D

Acq: 25 Feb 2021 7:24

Tgt Ion:	225	Resp:	1736400
Ion	Ratio	Lower	Upper
225	100		
223	63.0	50.8	76.2
227	64.3	52.2	78.2





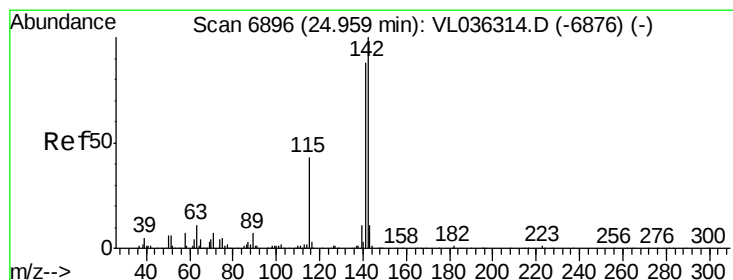
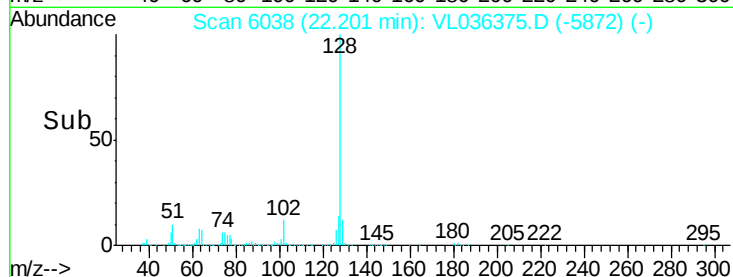
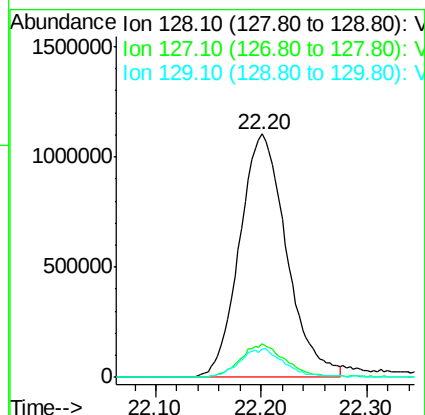
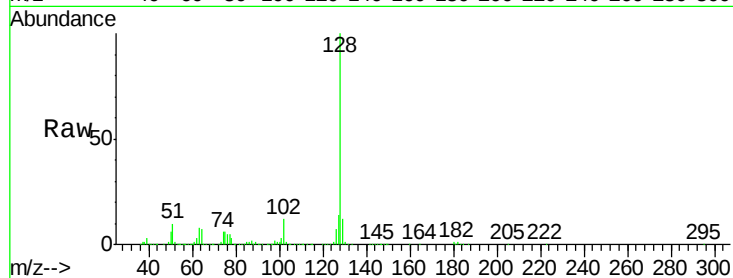
#79
Naphthalene
Concen: 13.613 ppbv
RT: 22.20 min Scan# 6038
Delta R.T. 0.03 min
Lab File: VL036375.D
Acq: 25 Feb 2021 7:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.8	9.6	14.4
129	11.5	8.5	12.7

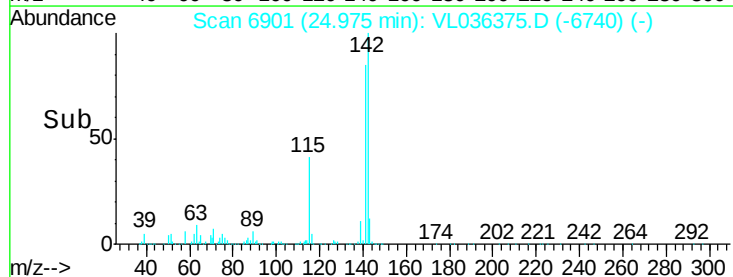
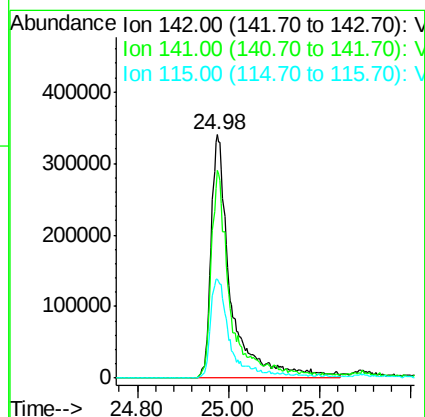
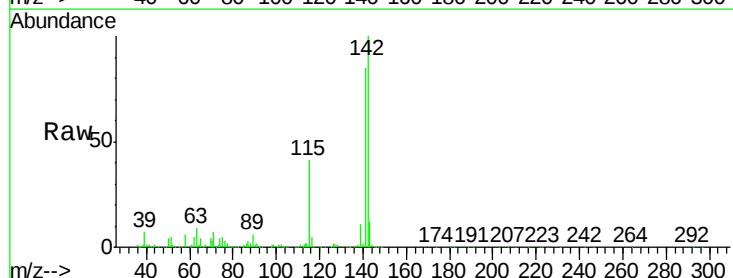
Manual Integrations
APPROVED

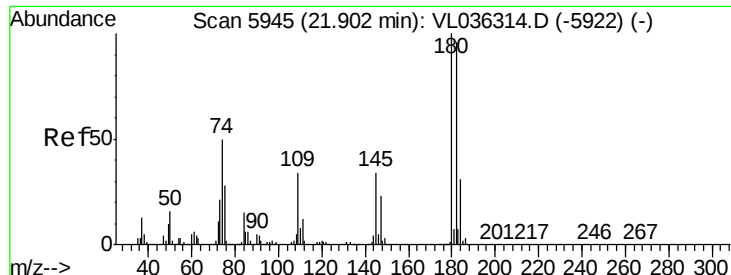
MMDadoda
2/26/2021 4:18:17 PM



#80
Naphthalene, 2-methyl-
Concen: 22.389 ppbv
RT: 24.98 min Scan# 6901
Delta R.T. 0.02 min
Lab File: VL036375.D
Acq: 25 Feb 2021 7:24

Tgt Ion	Ratio	Lower	Upper
142	100		
141	79.4	64.4	96.6
115	39.3	34.6	51.8





#81
 1,2,4-Trichlorobenzene
 Concen: 11.815 ppbv
 RT: 21.93 min Scan# 5954
 Delta R.T. 0.03 min
 Lab File: VL036375.D
 Acq: 25 Feb 2021 7:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:	180	Resp:	1801903
Ion Ratio	Lower	Upper	
180	100		
182	100.2	80.2	120.4
184	31.2	25.0	37.6

Manual Integrations
 APPROVED

MMDadoda
 2/26/2021 4:18:17 PM

