

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL082720\
 Data File : VL035512.D
 Acq On : 27 Aug 2020 6:41
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVV082720

Manual Integrations
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 8/28/2020 3:17:42 PM

Quant Time: Aug 27 07:12:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Aug 27 2020
 QLast Update : Thu Aug 27 06:46:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1028310	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	4660562	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	5015148m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	3431468	9.63	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.30%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	1790817	10.049	ppbv 99
3) Chlorodifluoromethane	2.99	51	1110114	9.761	ppbv 99
4) Chloromethane	3.14	50	582694	9.563	ppbv 99
5) Vinyl Chloride	3.26	62	710041	9.452	ppbv 100
6) Bromomethane	3.48	94	627007	9.937	ppbv 98
7) Chloroethane	3.56	64	268330	10.103	ppbv 99
8) Dichlorotetrafluoroethane	3.19	85	2088634	9.678	ppbv 100
9) Propene	3.01	41	436808	9.963	ppbv 99
10) Heptane	8.15	43	1190273	10.107	ppbv 99
11) Trichlorofluoromethane	3.96	101	2478485	9.537	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1885079	9.611	ppbv 100
13) Ethanol	3.61	45	109701	10.091	ppbv 97
14) Bromoethene	3.75	108	879550	10.418	ppbv 99
15) Acetone	3.86	43	926468	8.169	ppbv 100
16) 1,3-Butadiene	3.33	39	429513	10.174	ppbv 100
17) tert-Butyl alcohol	4.30	59	1448674	10.494	ppbv 100
18) 1,1-Dichloroethene	4.30	96	873433	10.112	ppbv 98
19) Isopropyl Alcohol	3.98	45	731085	10.806	ppbv 99
20) Methylene Chloride	4.35	84	759331	8.989	ppbv 98
21) Allyl Chloride	4.42	41	570010	10.728	ppbv 98
22) trans-1,2-Dichloroethene	4.90	96	924742	10.057	ppbv 98
23) Vinyl Acetate	5.09	43	1496400	10.280	ppbv 99
24) 1,1-Dichloroethane	5.02	63	1490119	9.947	ppbv 99
25) Ethyl Acetate	5.69	43	1928859	9.627	ppbv 99
26) Hexane	5.70	57	1122045	9.884	ppbv 98
27) Carbon Disulfide	4.56	76	1850853	11.361	ppbv 99
28) Methyl tert-Butyl Ether	5.05	73	2100026	10.614	ppbv 100
29) Chloroform	5.77	83	2284749	9.878	ppbv 100
30) Cyclohexane	7.15	84	1304184	10.724	ppbv 99
31) cis-1,2-Dichloroethene	5.56	61	1229384	10.555	ppbv 99
32) 1,1,1-Trichloroethane	6.53	97	2321247	10.345	ppbv 99
34) 2-Butanone	5.26	43	1344395	9.720	ppbv 99
35) Carbon Tetrachloride	7.04	117	2437741	10.407	ppbv 100
36) Benzene	6.91	78	2980965	9.881	ppbv 99
37) 1,2-Dichloroethane	6.33	62	1393368	9.688	ppbv 100
38) Trichloroethene	7.86	130	1577456	9.002	ppbv 98
39) 1,2-Dichloropropane	7.64	63	997015	9.783	ppbv 98
40) 1,4-Dioxane	7.85	88	541420	10.635	ppbv # 1
41) Tetrahydrofuran	6.07	42	768424	10.477	ppbv 98
42) Bromodichloromethane	7.82	83	2438387	10.484	ppbv 100
43) Methyl Methacrylate	8.04	69	1220924	10.466	ppbv 100

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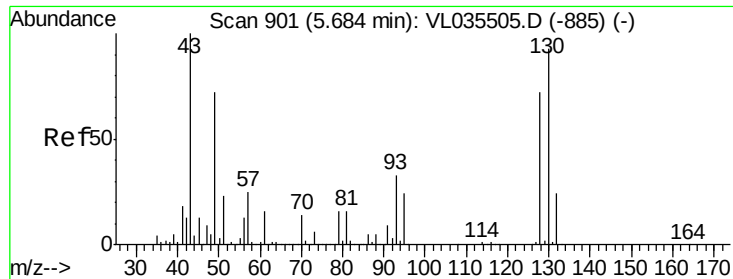
Manual Integrations
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Quant Time: Aug 27 07:12:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Aug 27 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	3767706	9.492	ppbv	100
45) t-1,3-Dichloropropene	9.31	75	1396963	11.821	ppbv	100
46) cis-1,3-Dichloropropene	8.73	75	1662126	11.328	ppbv	97
47) 1,1,2-Trichloroethane	9.50	97	1477320	9.824	ppbv	98
48) Dibromochloromethane	10.34	129	2622056	11.079	ppbv	100
49) Bromoform	13.08	173	2512943	11.716	ppbv	99
50) 4-Methyl-2-Pentanone	8.77	43	1995738	9.965	ppbv	99
51) 2-Hexanone	10.16	43	1731435	10.539	ppbv #	99
52) Tetrachloroethene	11.26	164	1668941	9.470	ppbv	98
53) Toluene	9.83	91	3829104	10.093	ppbv	100
54) 1,2-Dibromoethane	10.65	107	2377011	10.004	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.16	131	2028270	9.939	ppbv	100
57) Chlorobenzene	12.18	112	3291176	8.917	ppbv	100
58) Ethyl Benzene	12.74	91	4981153	9.632	ppbv	100
59) m/p-Xylene	13.03	91	7985660m	18.479	ppbv	
60) o-Xylene	13.73	91	4081346	9.377	ppbv	100
61) Styrene	13.56	104	3393224	10.194	ppbv	100
62) Isopropylbenzene	14.71	105	6386233	9.134	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.71	83	2879645	8.534	ppbv	100
64) n-propylbenzene	15.60	120	2048261	9.600	ppbv	100
65) tert-Butylbenzene	16.79	119	6080536	9.356	ppbv	100
66) Benzyl Chloride	17.03	91	2000912	12.388	ppbv	100
67) sec-Butylbenzene	17.34	105	7879913	9.101	ppbv	100
69) p-Isopropyltoluene	17.69	119	6990505	9.204	ppbv	99
70) n-Butylbenzene	18.59	91	6674187	9.123	ppbv	100
71) 2-Chlorotoluene	15.49	91	4826690	9.480	ppbv	100
72) 4-Ethyltoluene	15.88	105	5269715	9.524	ppbv	100
73) 1,3,5-Trimethylbenzene	16.04	105	4908006	9.590	ppbv	99
74) 1,2,4-Trimethylbenzene	16.81	105	5083913	9.046	ppbv	98
75) 1,3-Dichlorobenzene	17.04	146	3774520	9.067	ppbv	100
76) 1,4-Dichlorobenzene	17.18	146	3812410	9.286	ppbv	99
77) 1,2-Dichlorobenzene	17.86	146	3725038	9.236	ppbv	100
78) Hexachloro-1,3-Butadiene	23.42	225	2464849	9.572	ppbv	100
79) Naphthalene	22.25	128	6338148	10.164	ppbv	99
80) Naphthalene, 2-methyl-	25.01	142	2471911	11.613	ppbv	100
81) 1,2,4-Trichlorobenzene	21.98	180	3687072	9.873	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 901

Delta R.T. -0.00 min

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ICVVL082720

Tot Ion: 49 Resp: 1028310

Ion Ratio Lower Upper

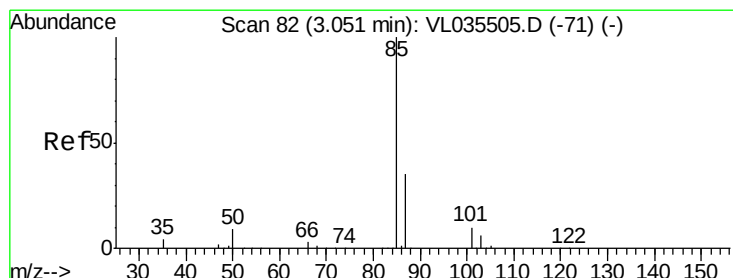
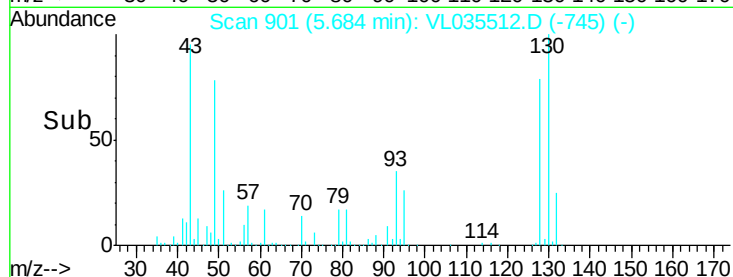
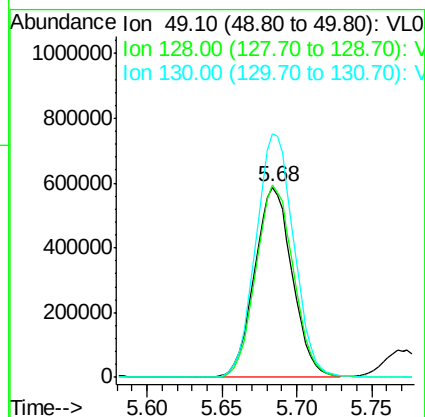
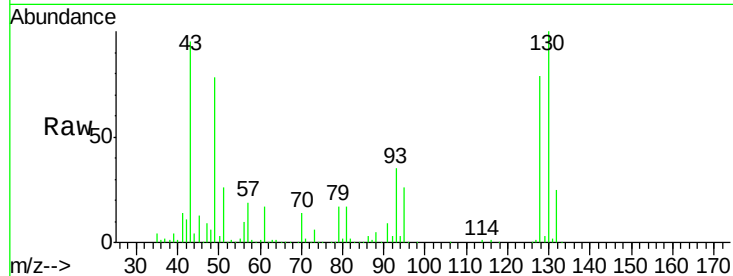
49 100

128 101.8 50.0 150.1

130 130.3 64.4 193.2

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#2

Dichlorodifluoromethane

Concen: 10.049 ppbv

RT: 3.05 min Scan# 82

Delta R.T. -0.00 min

Lab File: VL035512.D

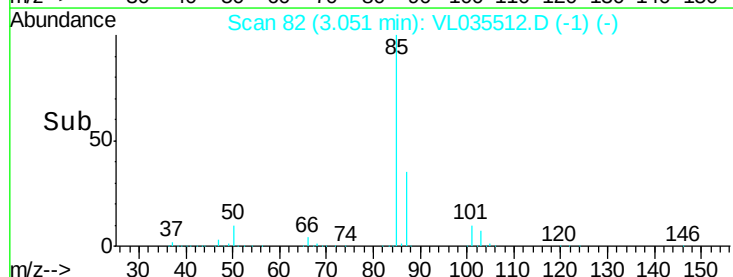
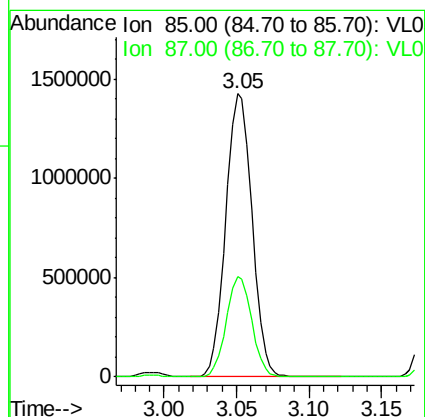
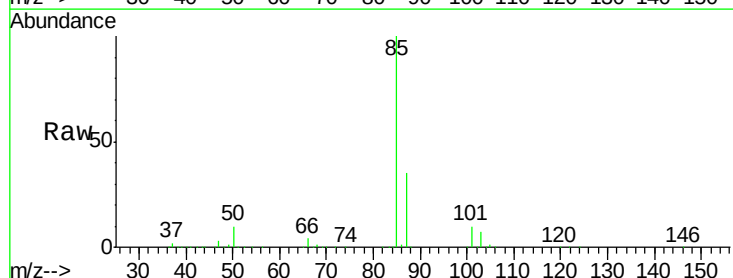
Acq: 27 Aug 2020 6:41

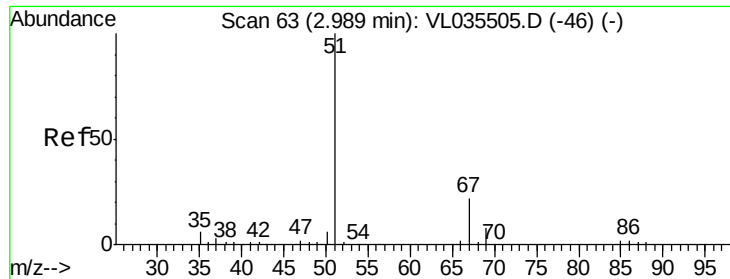
Tgt Ion: 85 Resp: 1790817

Ion Ratio Lower Upper

85 100

87 35.3 28.0 42.0





#3

Chlorodifluoromethane

Concen: 9.761 ppbv

RT: 2.99 min Scan# 63

Delta R.T. -0.00 min

Lab File: VL035512.D

Acq: 27 Aug 2020 6:41

Tot Ion: 51 Resp: 1110114

Ion Ratio Lower Upper

51 100

67 22.8 17.8 26.8

Instrument :

MSVOA_L

ClientSampleId :

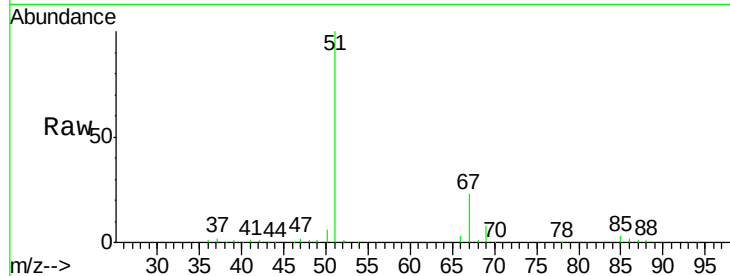
ICVVL082720

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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

1000000

800000

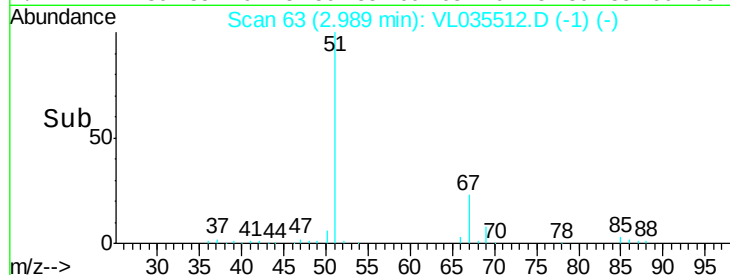
600000

400000

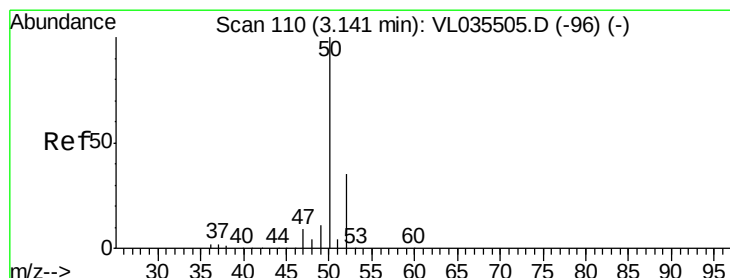
200000

0

Time-->



Time-->



#4

Chloromethane

Concen: 9.563 ppbv

RT: 3.14 min Scan# 111

Delta R.T. 0.00 min

Lab File: VL035512.D

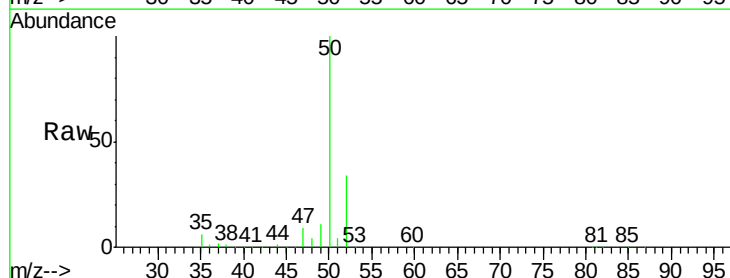
Acq: 27 Aug 2020 6:41

Tgt Ion: 50 Resp: 582694

Ion Ratio Lower Upper

50 100

52 34.2 27.7 41.5



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

500000

400000

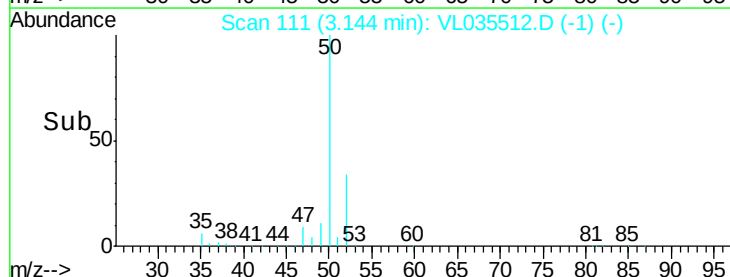
300000

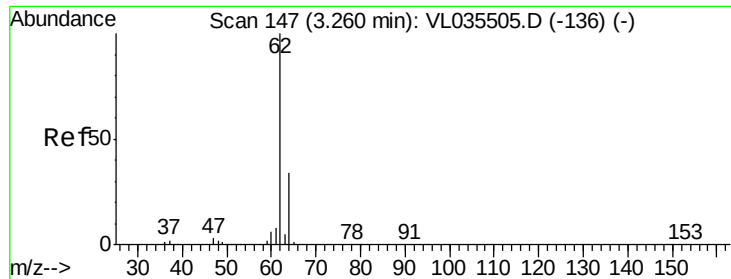
200000

100000

0

Time-->





#5

Vinyl Chloride

Concen: 9.452 ppbv

RT: 3.26 min Scan# 147

Delta R.T. -0.00 min

Lab File: VL035512.D

Acq: 27 Aug 2020 6:41

Instrument :

MSVOA_L

ClientSampleId :

ICVVL082720

Tot Ion: 62 Resp: 710041

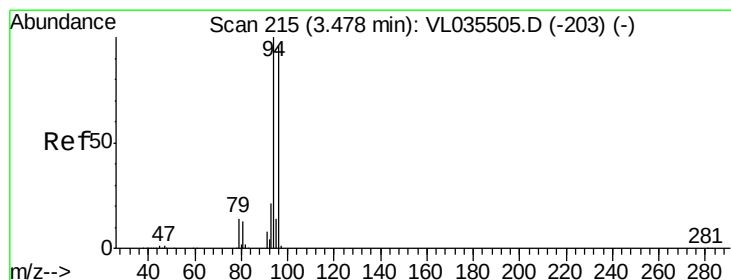
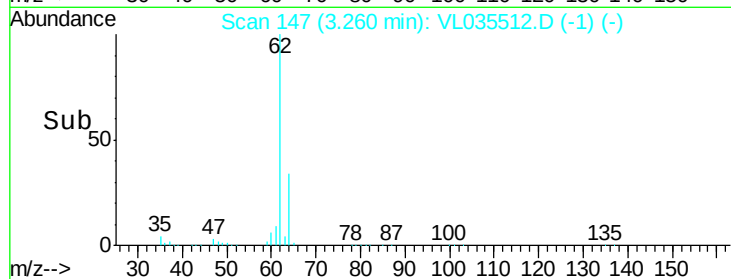
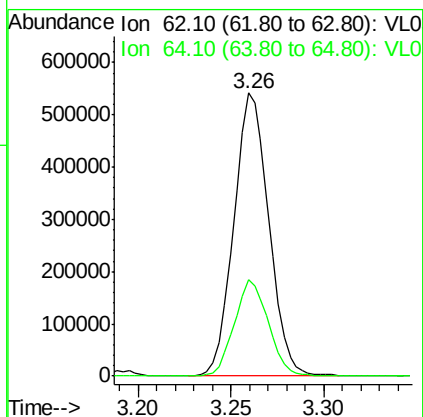
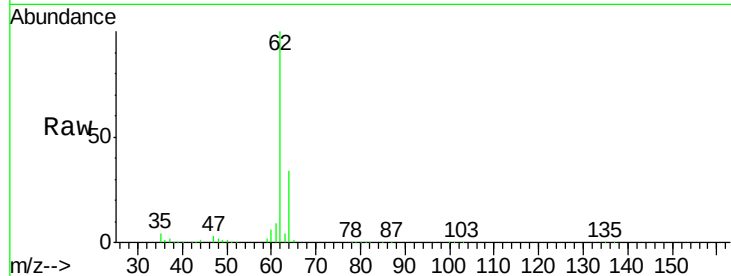
Ion Ratio Lower Upper

62 100

64 34.1 27.4 41.2

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#6

Bromomethane

Concen: 9.937 ppbv

RT: 3.48 min Scan# 215

Delta R.T. 0.00 min

Lab File: VL035512.D

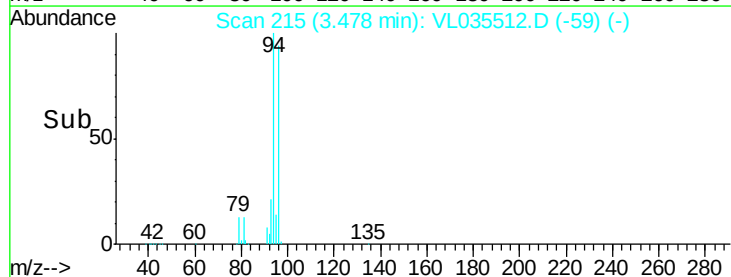
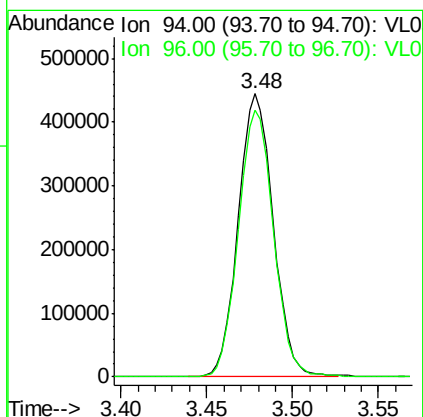
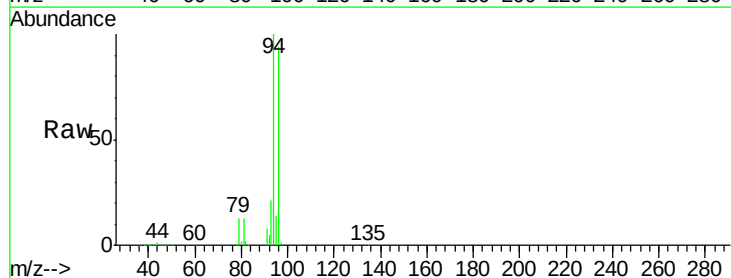
Acq: 27 Aug 2020 6:41

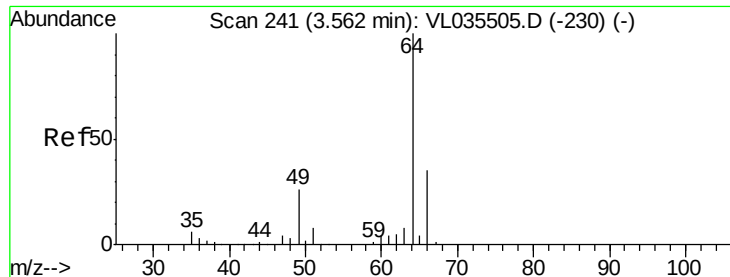
Tgt Ion: 94 Resp: 627007

Ion Ratio Lower Upper

94 100

96 94.0 77.1 115.7





#7

Chloroethane

Concen: 10.103 ppbv

RT: 3.56 min Scan# 241

Delta R.T. -0.00 min

Lab File: VL035512.D

Acq: 27 Aug 2020 6:41

Instrument :

MSVOA_L

ClientSampleId :

ICVVL082720

Tot Ion: 64 Resp: 268330

Ion Ratio Lower Upper

64 100

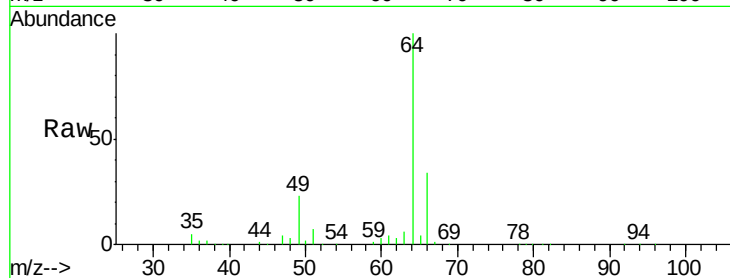
66 34.3 27.7 41.5

Manual Integrations

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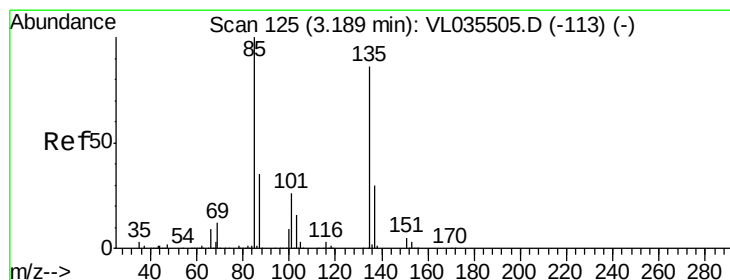
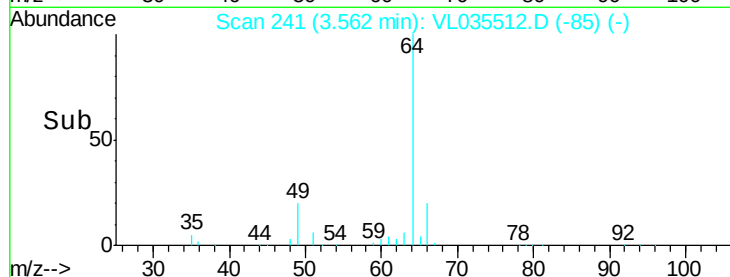
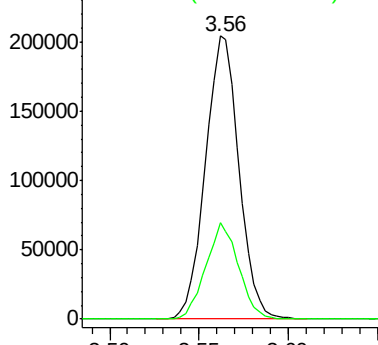
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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 9.678 ppbv

RT: 3.19 min Scan# 126

Delta R.T. 0.00 min

Lab File: VL035512.D

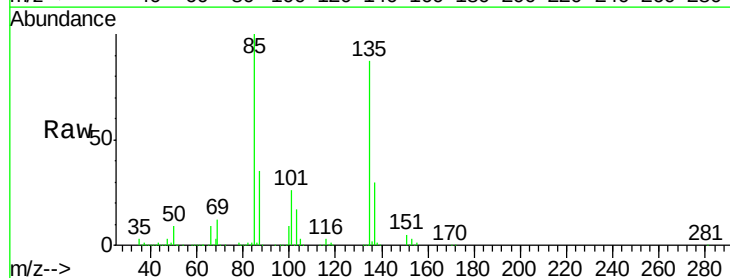
Acq: 27 Aug 2020 6:41

Tgt Ion: 85 Resp: 2088634

Ion Ratio Lower Upper

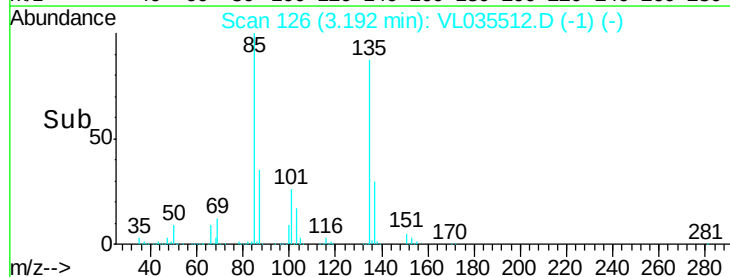
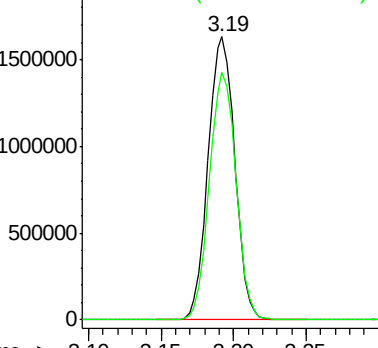
85 100

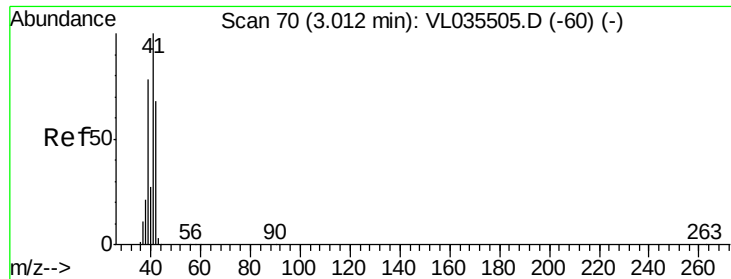
135 87.5 70.4 105.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 9.963 ppbv

RT: 3.01 min Scan# 70

Delta R.T. -0.00 min

Lab File: VL035512.D

Acq: 27 Aug 2020 6:41

Instrument :

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Tot Ion: 41 Resp: 436808

Ion Ratio Lower Upper

41 100

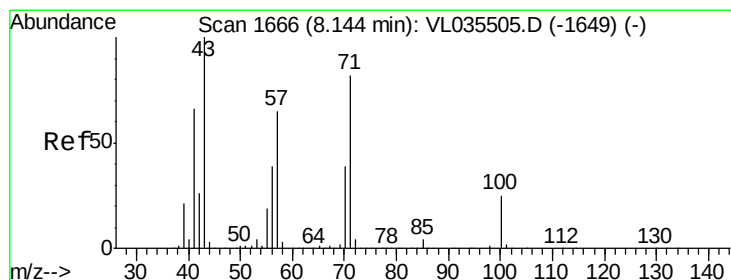
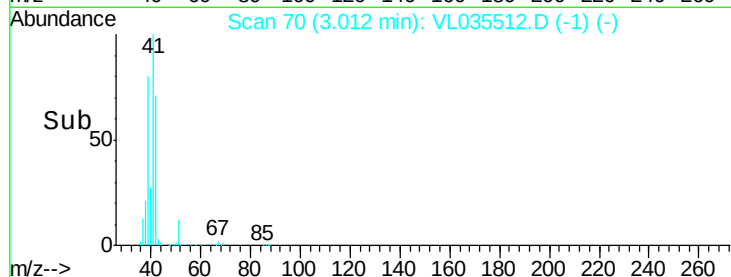
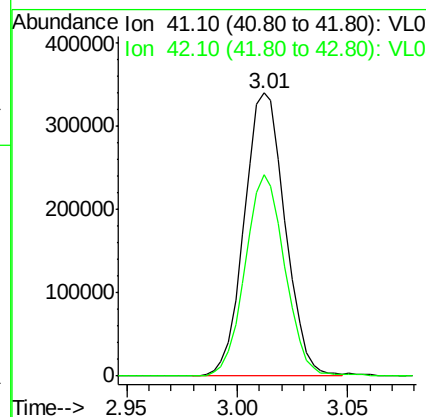
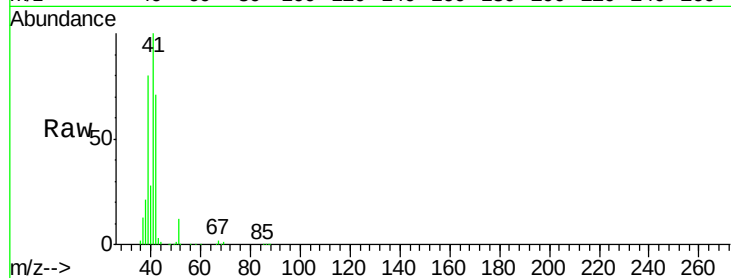
42 69.7 56.3 84.5

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#10

Heptane

Concen: 10.107 ppbv

RT: 8.15 min Scan# 1667

Delta R.T. 0.00 min

Lab File: VL035512.D

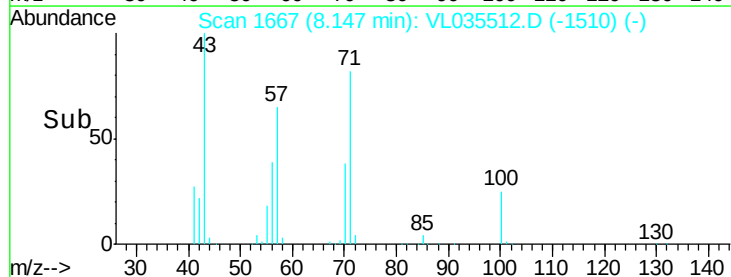
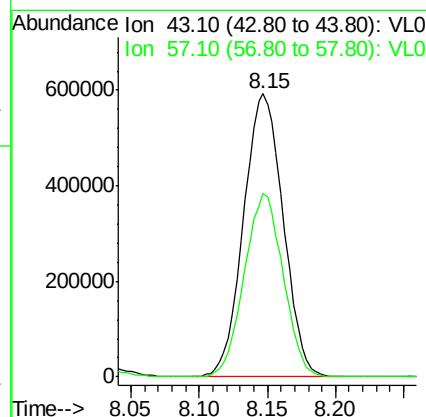
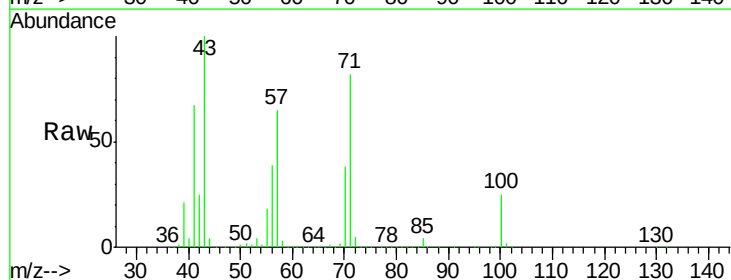
Acq: 27 Aug 2020 6:41

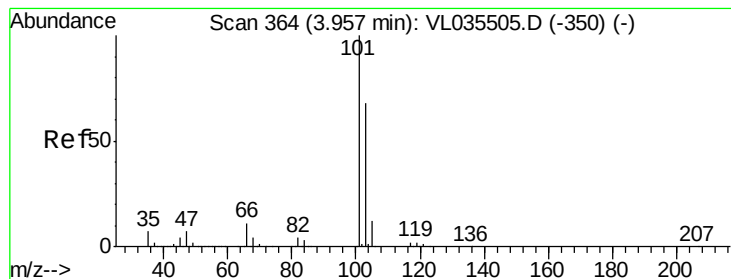
Tgt Ion: 43 Resp: 1190273

Ion Ratio Lower Upper

43 100

57 63.8 51.4 77.0





#11

Trichlorofluoromethane

Concen: 9.537 ppbv

RT: 3.96 min Scan# 364

Delta R.T. -0.00 min

Lab File: VL035512.D

Acq: 27 Aug 2020 6:41

Instrument :

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ClientSampleId :

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Tot Ion:101 Resp: 2478485

Ion Ratio Lower Upper

101 100

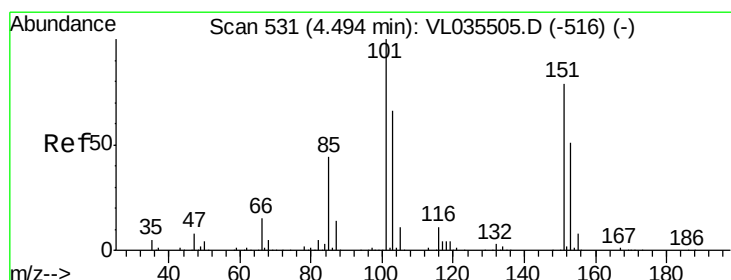
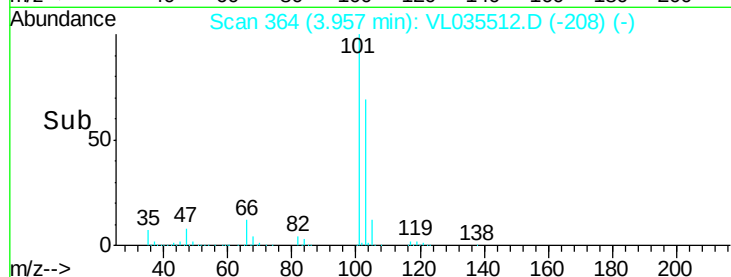
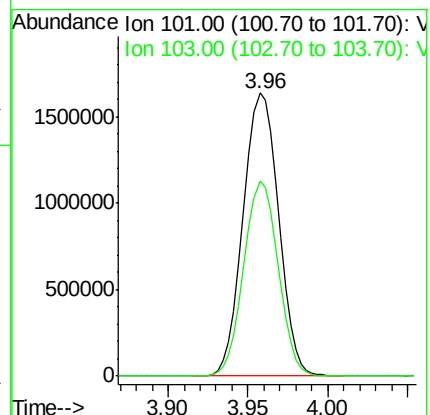
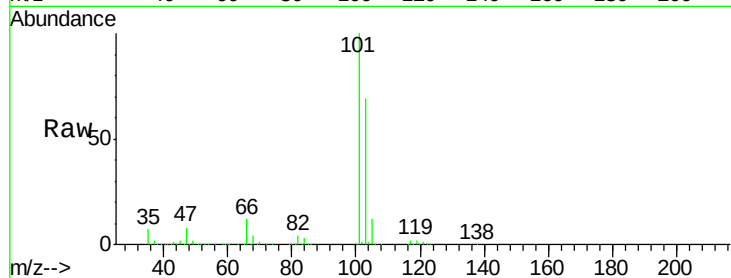
103 69.0 54.5 81.7

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#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.611 ppbv

RT: 4.49 min Scan# 531

Delta R.T. 0.00 min

Lab File: VL035512.D

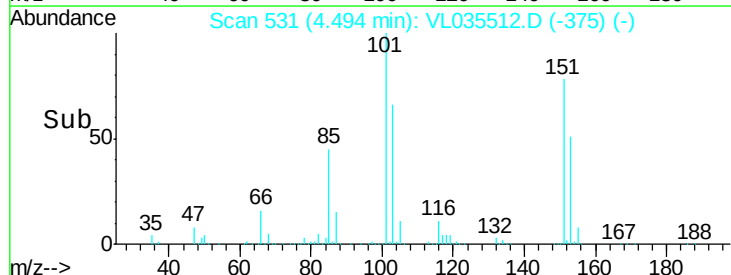
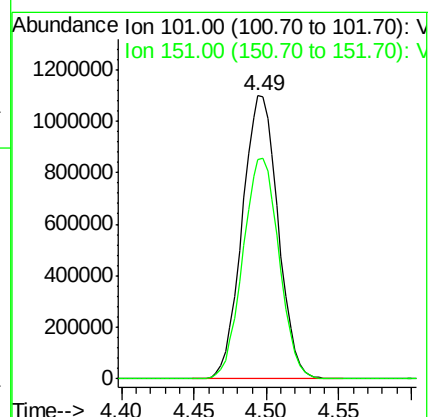
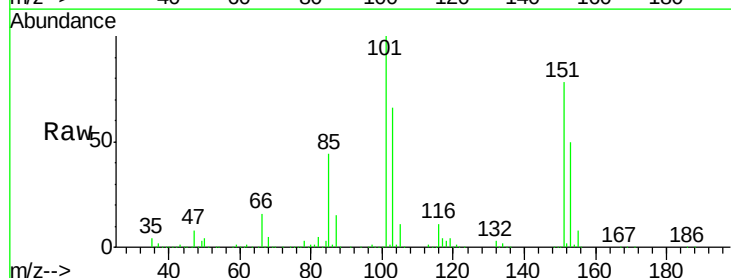
Acq: 27 Aug 2020 6:41

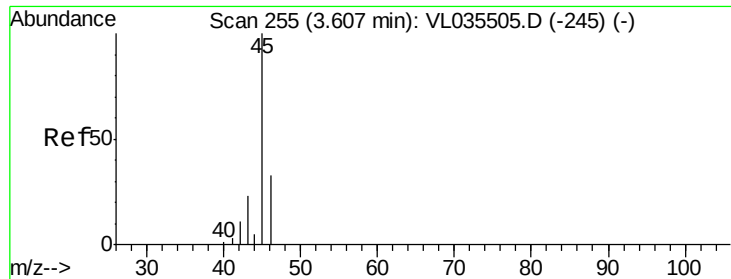
Tgt Ion:101 Resp: 1885079

Ion Ratio Lower Upper

101 100

151 79.1 63.5 95.3





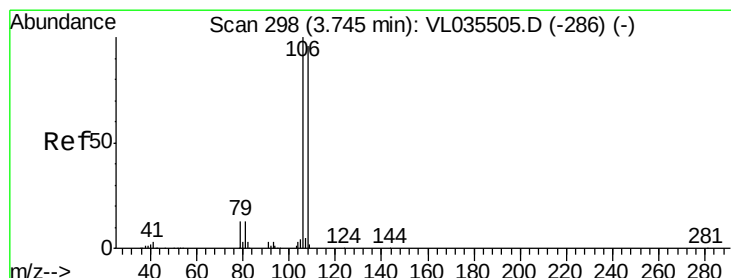
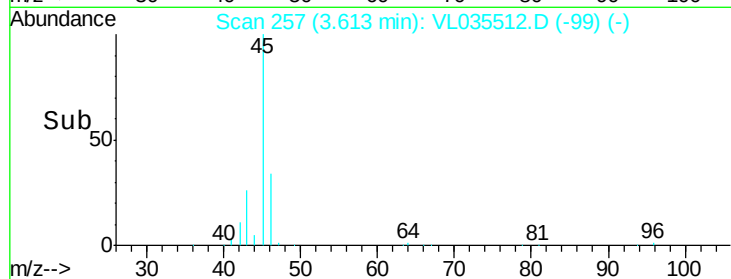
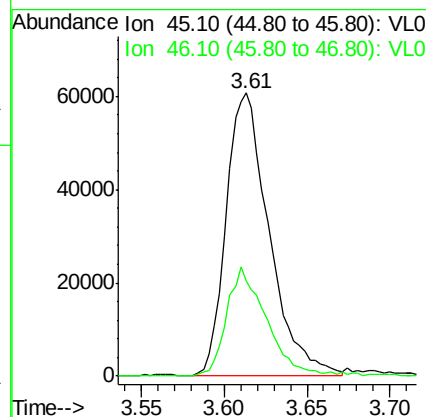
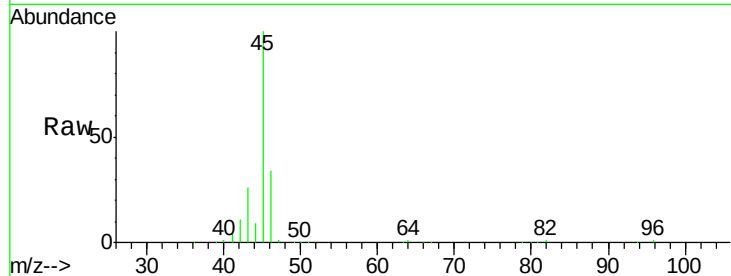
#13
Ethanol
Concen: 10.091 ppbv
RT: 3.61 min Scan# 257
Delta R.T. 0.01 min
Lab File: VL035512.D
Acq: 27 Aug 2020 6:41

Instrument :
MSVOA_L
ClientSampleId :
ICVVL082720

Tot Ion	45	46	Ratio	Lower	Upper
109701	100	36.3		15.2	60.6

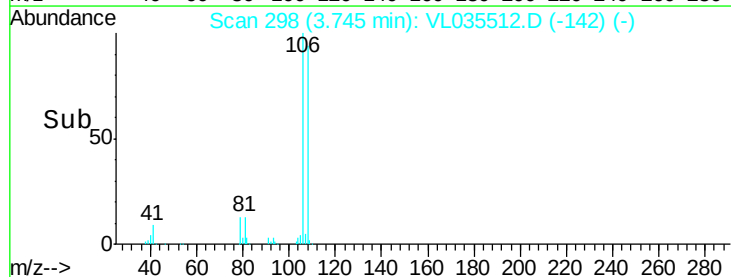
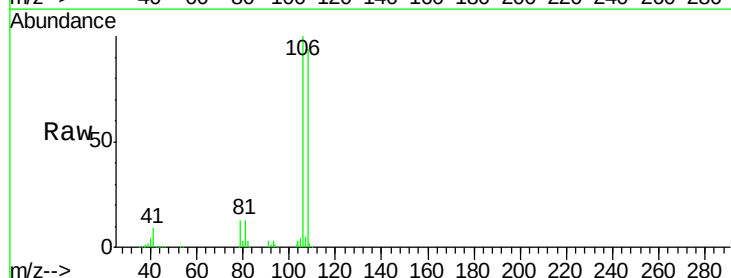
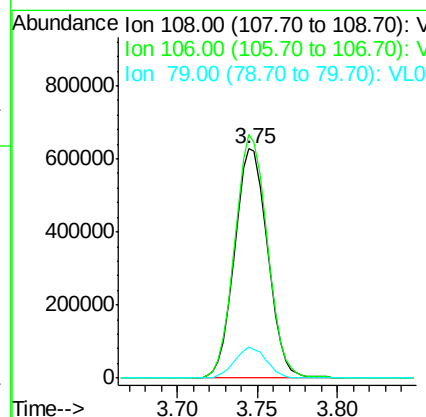
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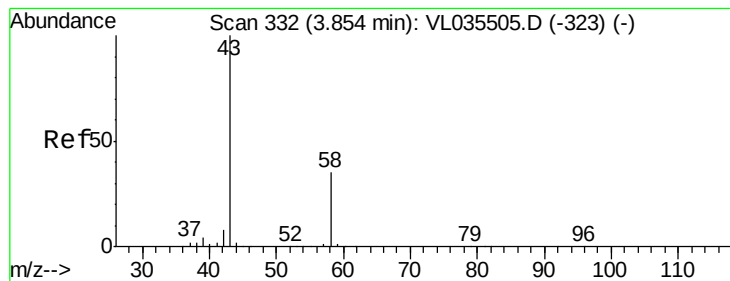
MMDadoda
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#14
Bromoethene
Concen: 10.418 ppbv
RT: 3.75 min Scan# 298
Delta R.T. 0.00 min
Lab File: VL035512.D
Acq: 27 Aug 2020 6:41

Tgt Ion	108	106	79	Ratio	Lower	Upper
879550	100	105.3	13.2		84.9	127.3





#15

Acetone

Concen: 8.169 ppbv

RT: 3.86 min Scan# 333

Delta R.T. 0.00 min

Lab File: VL035512.D

Acq: 27 Aug 2020 6:41

Instrument :

MSVOA_L

ClientSampleId :

ICVVL082720

Tot Ion: 43 Resp: 926468

Ion Ratio Lower Upper

43 100

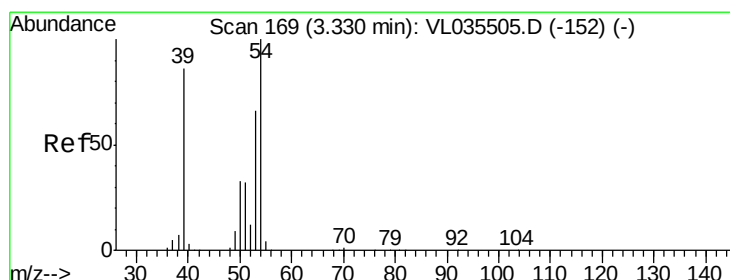
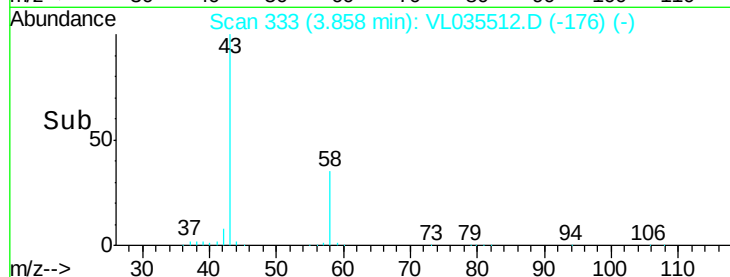
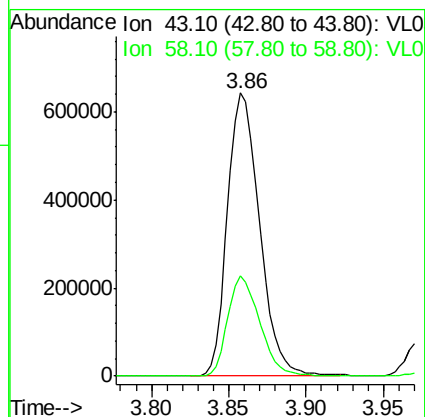
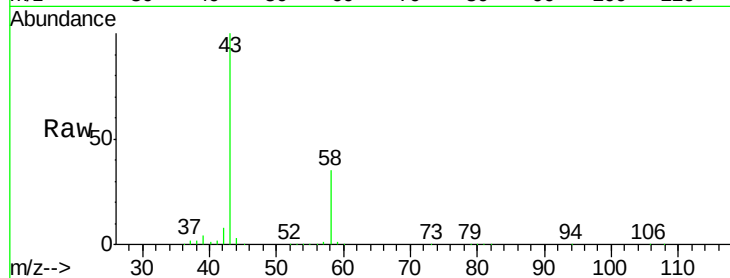
58 35.4 28.4 42.6

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#16

1,3-Butadiene

Concen: 10.174 ppbv

RT: 3.33 min Scan# 170

Delta R.T. 0.00 min

Lab File: VL035512.D

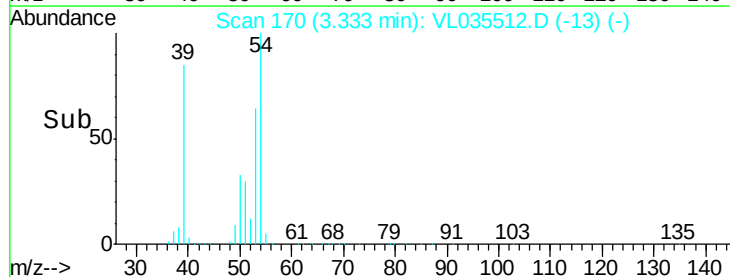
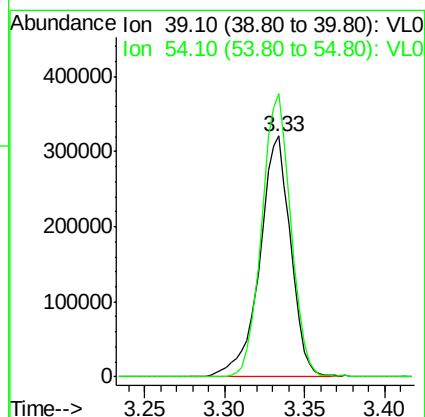
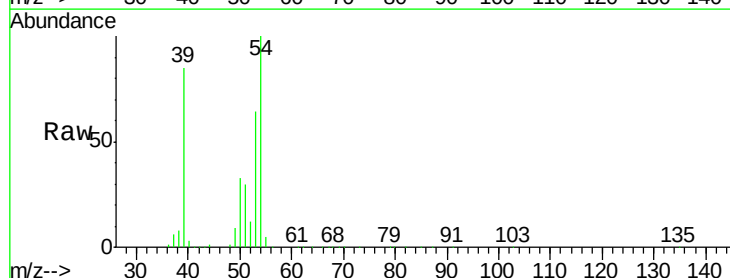
Acq: 27 Aug 2020 6:41

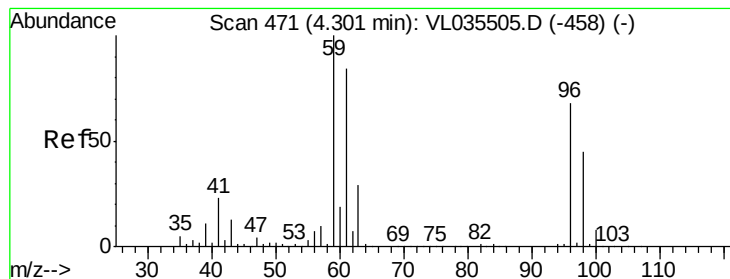
Tgt Ion: 39 Resp: 429513

Ion Ratio Lower Upper

39 100

54 110.5 88.4 132.6





#17

tert-Butyl alcohol

Concen: 10.494 ppbv

RT: 4.30 min Scan# 472

Delta R.T. 0.00 min

Lab File: VL035512.D

Acq: 27 Aug 2020 6:41

Tot Ion: 59 Resp: 1448674

Ion Ratio Lower Upper

59 100

57 10.5 8.4 12.6

Instrument :

MSVOA_L

ClientSampleId :

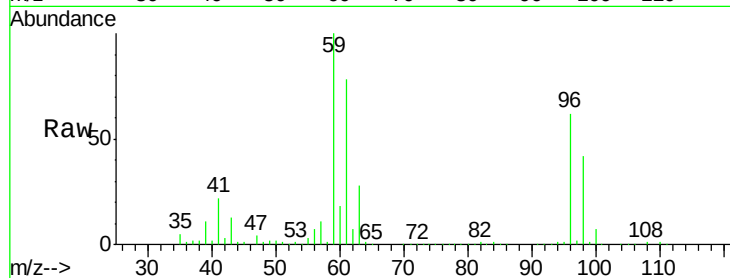
ICVVL082720

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Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.30

600000

400000

200000

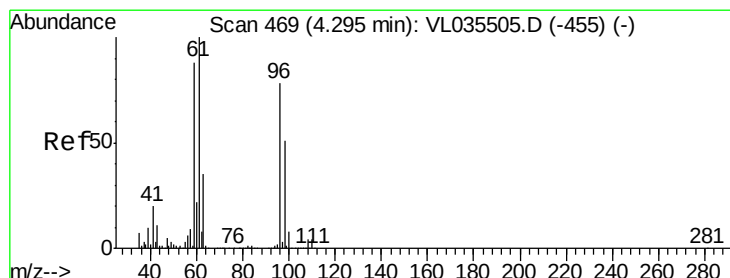
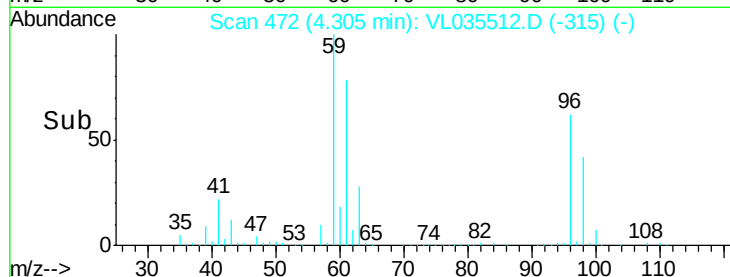
0

Time-->

4.20

4.30

4.40



#18

1,1-Dichloroethene

Concen: 10.112 ppbv

RT: 4.30 min Scan# 470

Delta R.T. 0.00 min

Lab File: VL035512.D

Acq: 27 Aug 2020 6:41

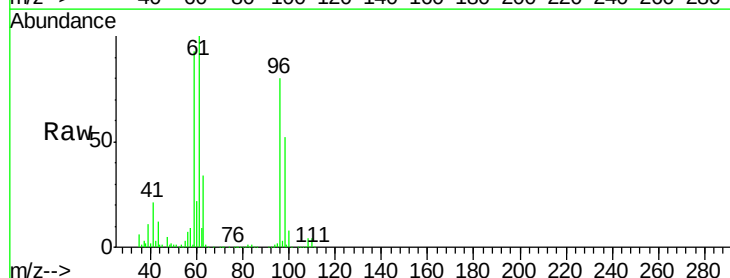
Tgt Ion: 96 Resp: 873433

Ion Ratio Lower Upper

96 100

61 125.5 103.0 154.6

98 64.8 52.8 79.2



Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

1000000

800000

600000

400000

200000

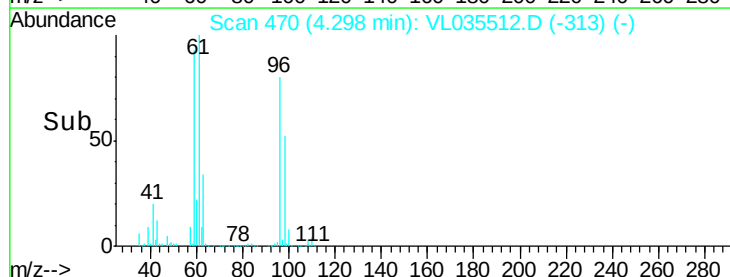
0

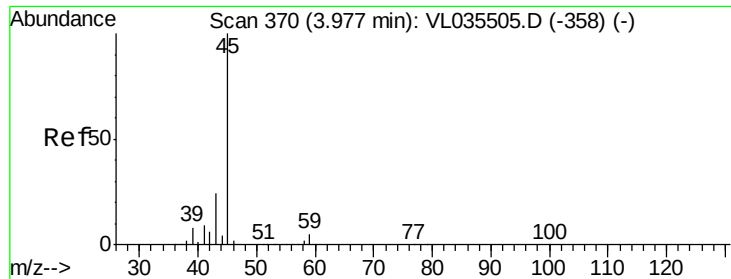
Time-->

4.25

4.30

4.35





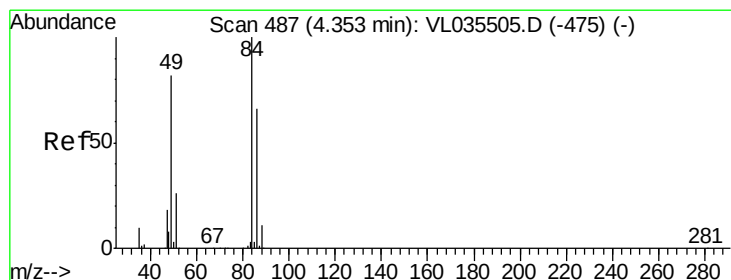
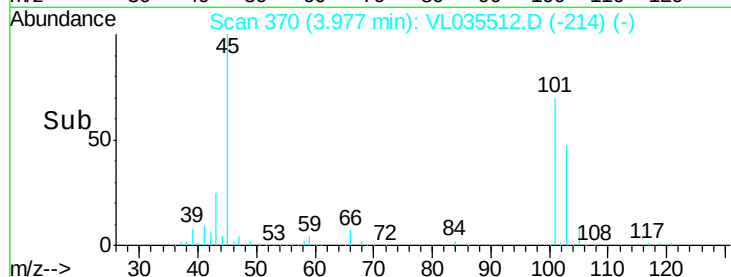
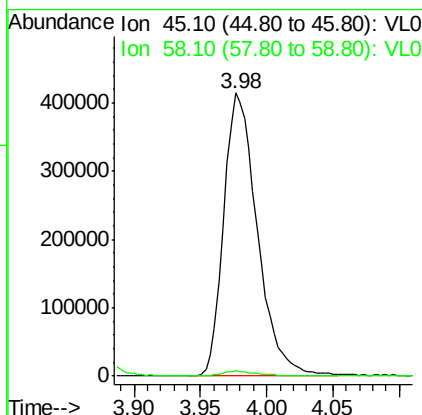
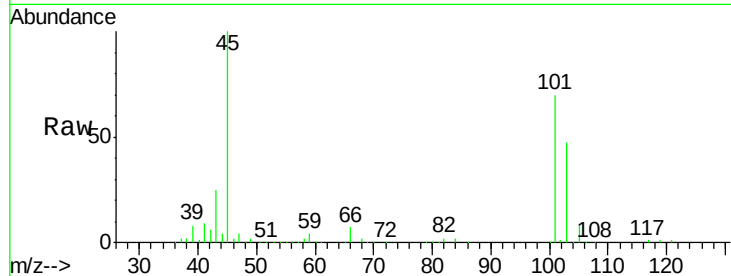
#19
Isopropyl Alcohol
Concen: 10.806 ppbv
RT: 3.98 min Scan# 370
Delta R.T. 0.00 min
Lab File: VL035512.D
Acq: 27 Aug 2020 6:41

Instrument :
MSVOA_L
ClientSampleId :
ICVVL082720

Tot Ion	Ratio	Lower	Upper
45	100		
58	2.1	2.0	3.0

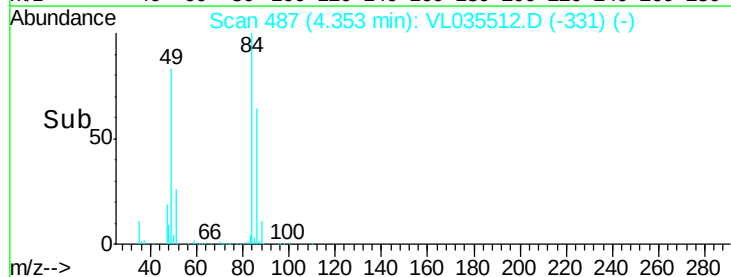
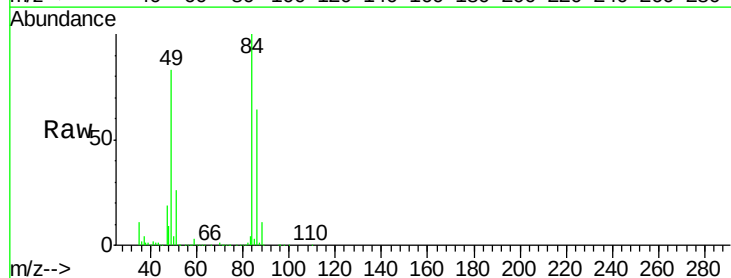
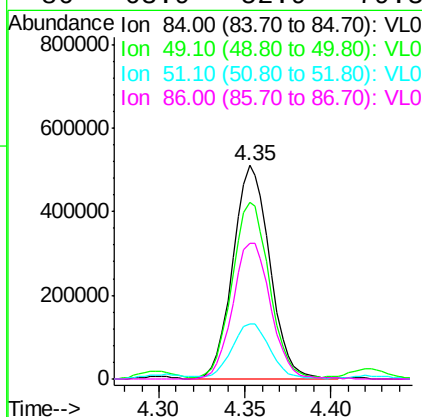
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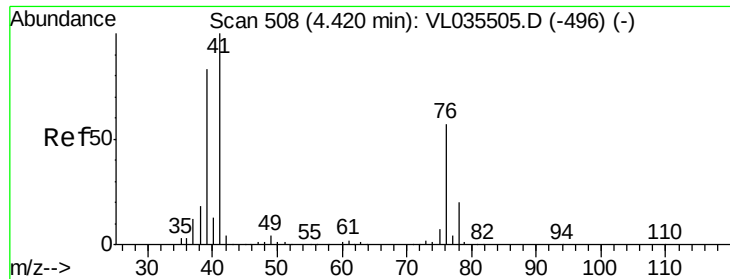
MMDadoda
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#20
Methylene Chloride
Concen: 8.989 ppbv
RT: 4.35 min Scan# 487
Delta R.T. -0.00 min
Lab File: VL035512.D
Acq: 27 Aug 2020 6:41

Tgt Ion	Ratio	Lower	Upper
84	100		
49	82.3	65.4	98.0
51	25.6	21.5	32.3
86	63.9	52.9	79.3





#21

Allvl Chloride

Concen: 10.728 ppbv

RT: 4.42 min Scan# 509

Delta R.T. 0.00 min

Lab File: VL035512.D

Acq: 27 Aug 2020 6:41

Instrument :

MSVOA_L

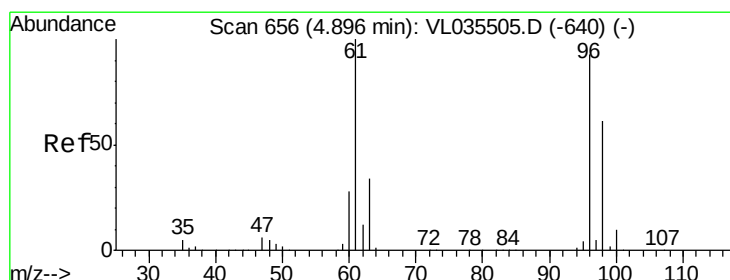
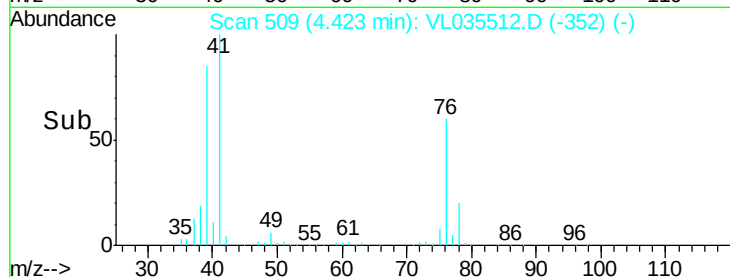
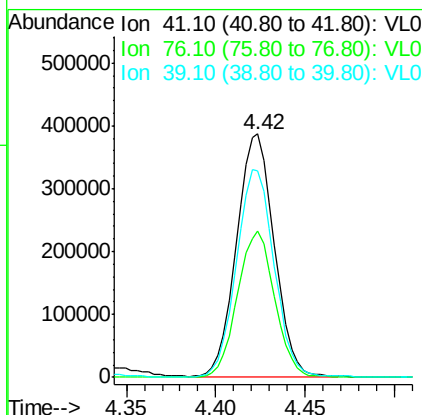
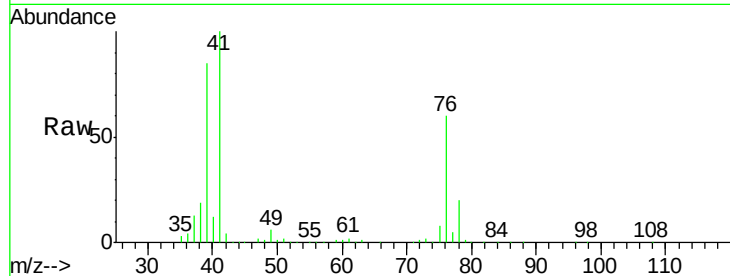
ClientSampleId :

ICVVL082720

Tot Ion:	41	Resp:	570010
Ion	Ratio	Lower	Upper
41	100		
76	59.6	46.2	69.2
39	86.4	67.8	101.6

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#22

trans-1,2-Dichloroethene

Concen: 10.057 ppbv

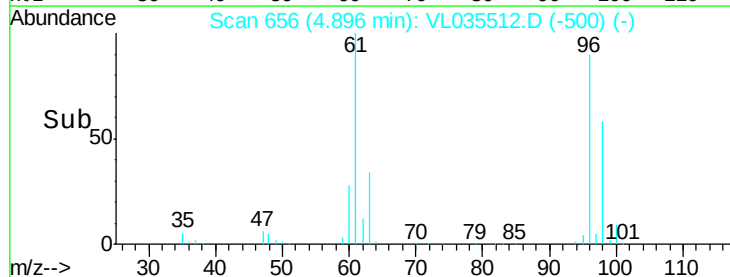
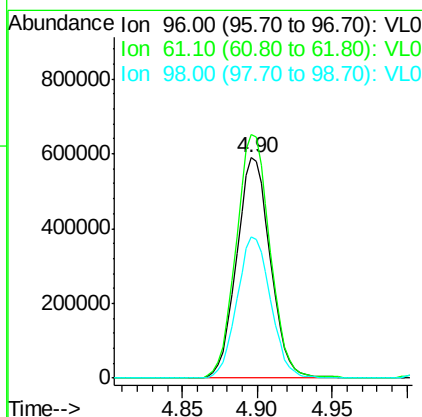
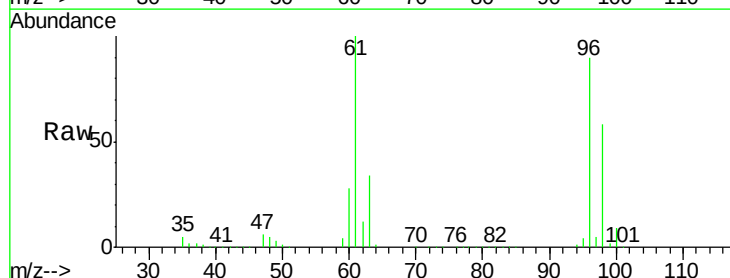
RT: 4.90 min Scan# 656

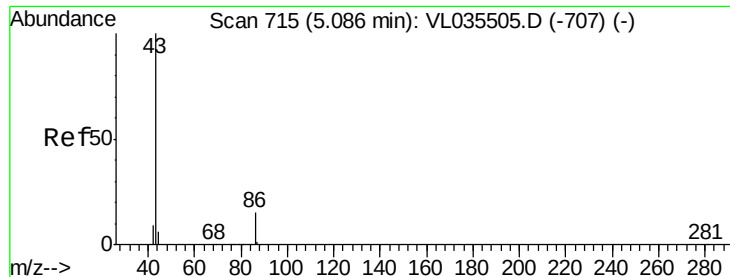
Delta R.T. 0.00 min

Lab File: VL035512.D

Acq: 27 Aug 2020 6:41

Tgt Ion:	96	Resp:	924742
Ion	Ratio	Lower	Upper
96	100		
61	110.5	86.0	129.0
98	64.0	52.3	78.5





#23

Vinyl Acetate

Concen: 10.280 ppbv

RT: 5.09 min Scan# 716

Delta R.T. 0.00 min

Lab File: VL035512.D

Acq: 27 Aug 2020 6:41

Tot Ion:	43	Resp:	1496400
Ion	Ratio	Lower	Upper
43	100		
86	13.8	10.6	16.0
42	9.7	7.5	11.3
44	5.3	4.4	6.6

Instrument :

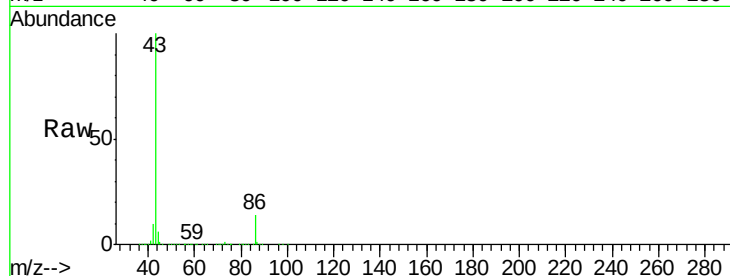
MSVOA_L

ClientSampleId :

ICVVL082720

Manual Integrations
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MMDadoda
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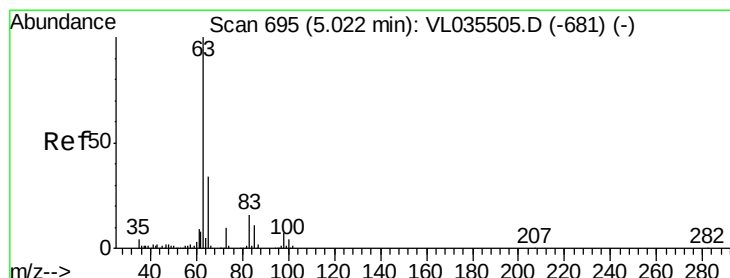
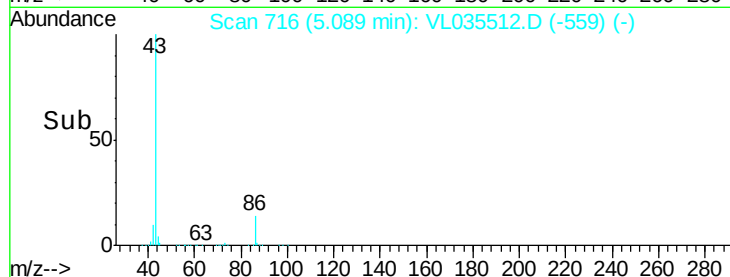
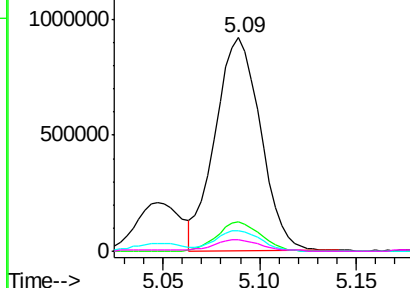


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 9.947 ppbv

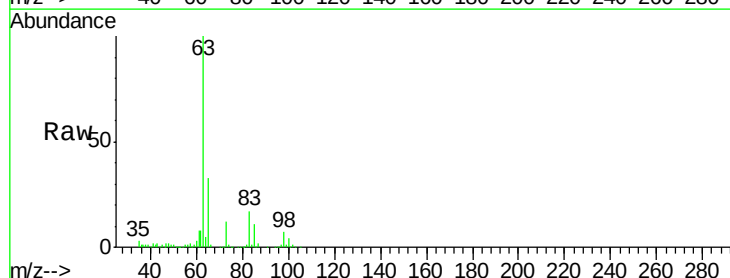
RT: 5.02 min Scan# 696

Delta R.T. 0.00 min

Lab File: VL035512.D

Acq: 27 Aug 2020 6:41

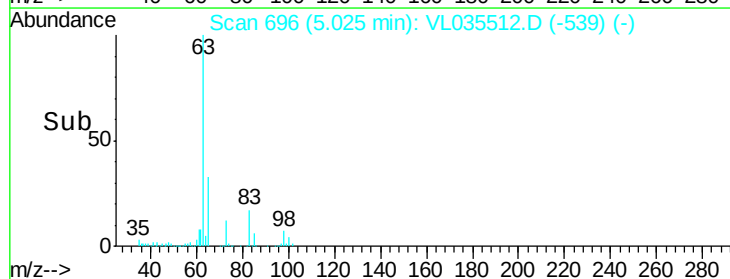
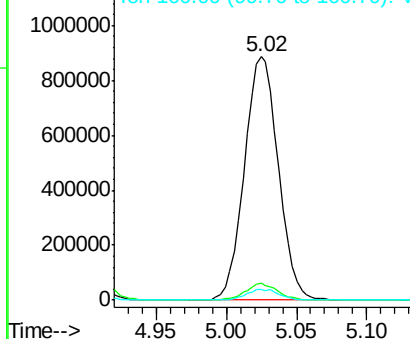
Tgt Ion:	63	Resp:	1490119
Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.4	10.1
100	4.4	2.1	6.5

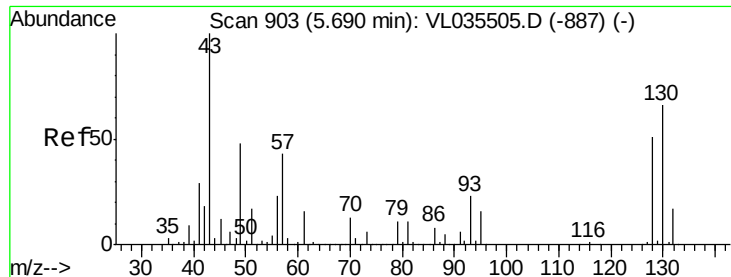


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





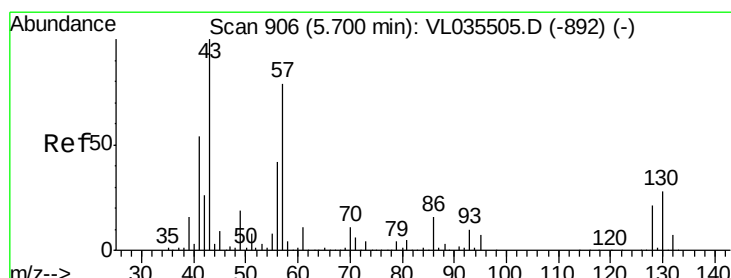
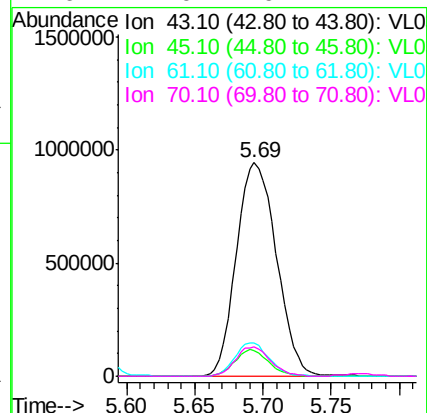
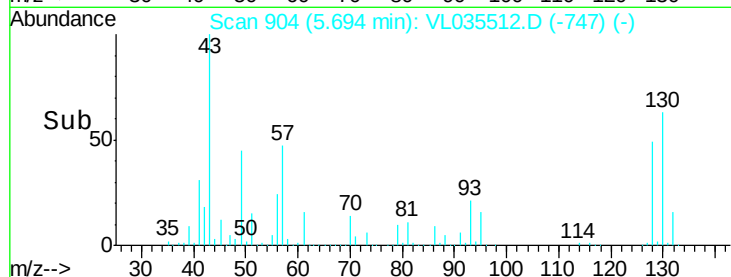
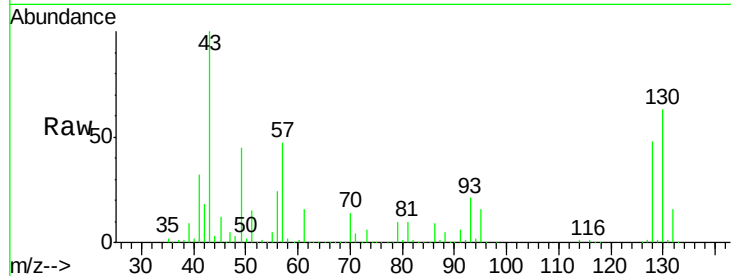
#25
Ethyl Acetate
Concen: 9.627 ppbv
RT: 5.69 min Scan# 904
Delta R.T. 0.00 min
Lab File: VL035512.D
Acq: 27 Aug 2020 6:41

Instrument :
MSVOA_L
ClientSampleId :
ICVVL082720

Tot Ion	43	Resp	1928859
Ion	Ratio	Lower	Upper
43	100		
45	10.7	8.4	12.6
61	13.6	10.6	16.0
70	12.0	9.4	14.2

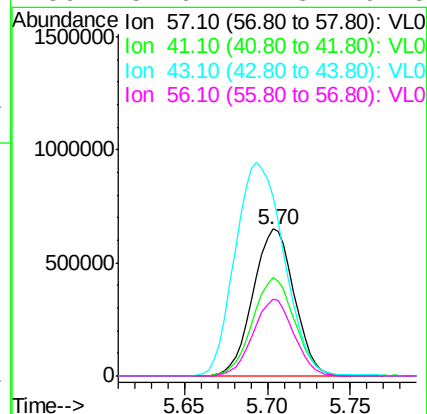
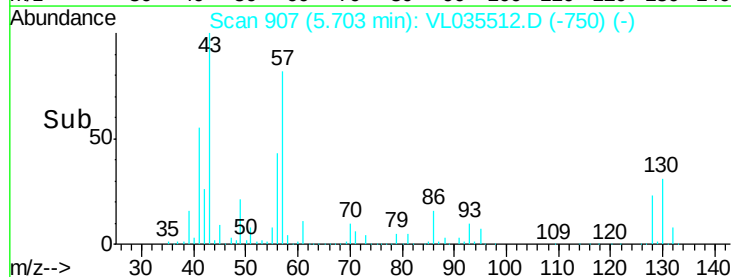
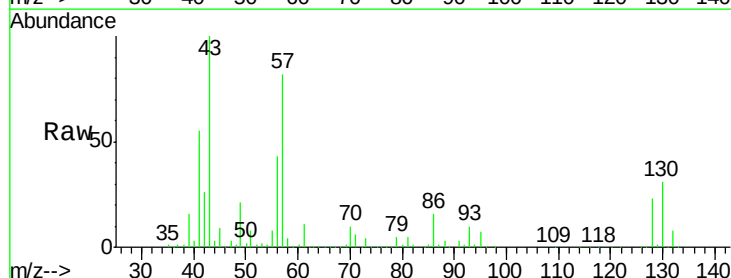
Manual Integrations
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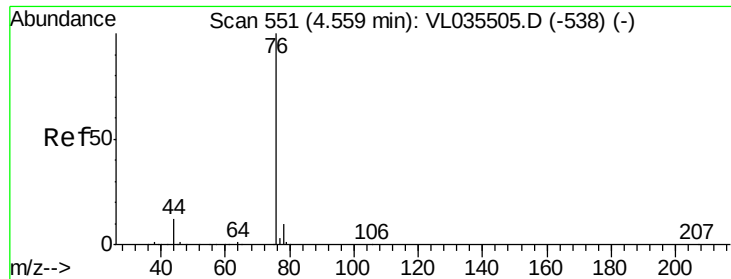
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#26
Hexane
Concen: 9.884 ppbv
RT: 5.70 min Scan# 907
Delta R.T. 0.00 min
Lab File: VL035512.D
Acq: 27 Aug 2020 6:41

Tgt Ion	57	Resp	1122045
Ion	Ratio	Lower	Upper
57	100		
41	69.1	55.9	83.9
43	172.7	141.8	212.8
56	51.9	41.8	62.8





#27

Carbon Disulfide

Concen: 11.361 ppbv

RT: 4.56 min Scan# 552

Delta R.T. 0.00 min

Lab File: VL035512.D

Acq: 27 Aug 2020 6:41

Instrument :

MSVOA_L

ClientSampleId :

ICVVL082720

Tot Ion: 76 Resp: 1850853

Ion Ratio Lower Upper

76 100

44 11.3 9.3 13.9

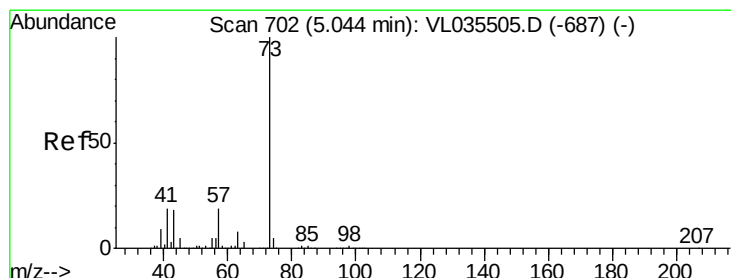
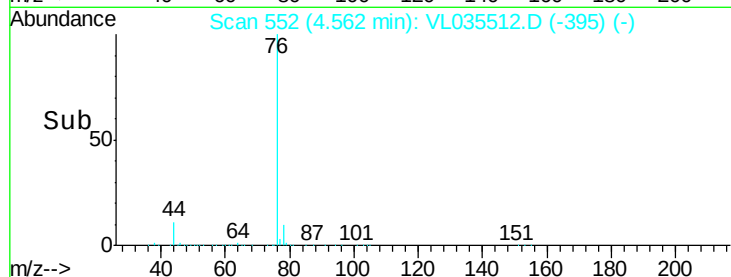
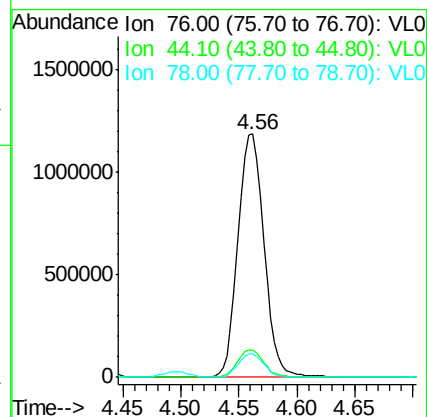
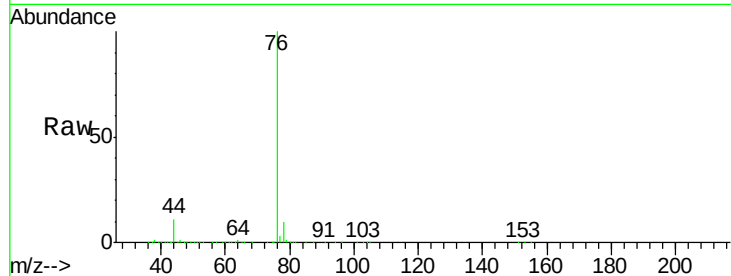
78 9.6 7.8 11.6

Manual Integrations

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#28

Methyl tert-Butyl Ether

Concen: 10.614 ppbv

RT: 5.05 min Scan# 703

Delta R.T. 0.00 min

Lab File: VL035512.D

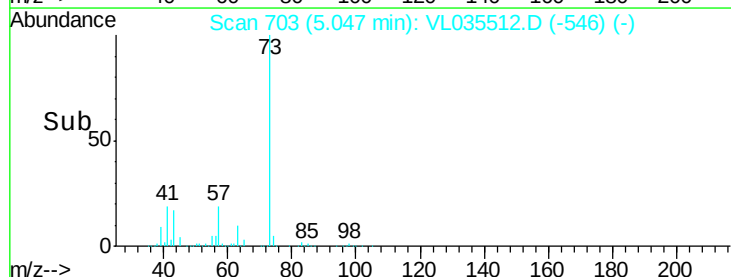
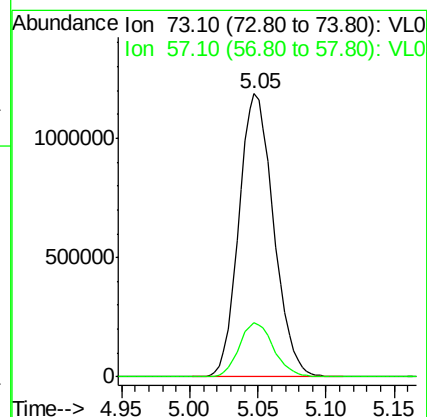
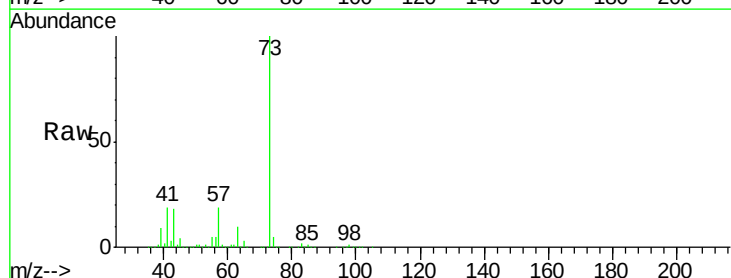
Acq: 27 Aug 2020 6:41

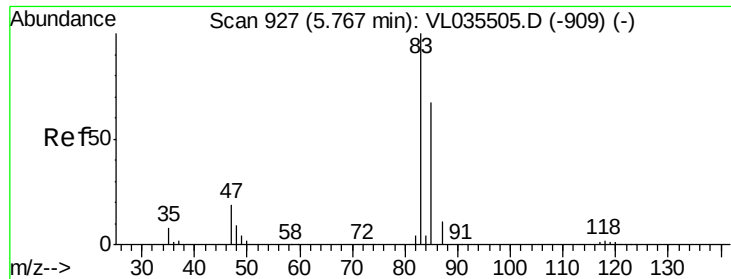
Tgt Ion: 73 Resp: 2100026

Ion Ratio Lower Upper

73 100

57 19.0 15.2 22.8





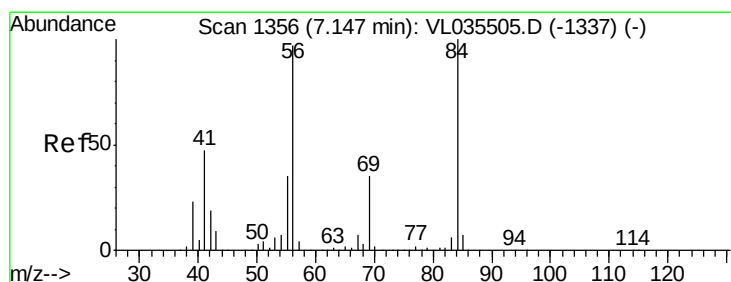
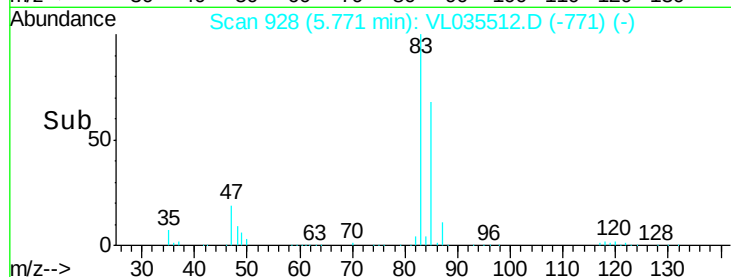
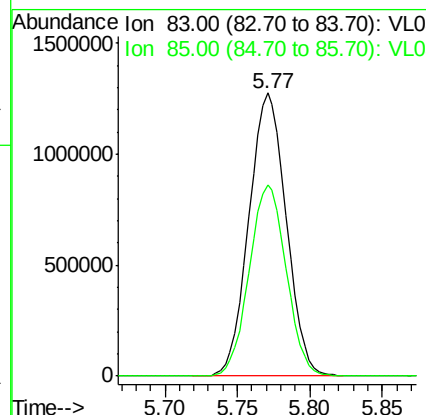
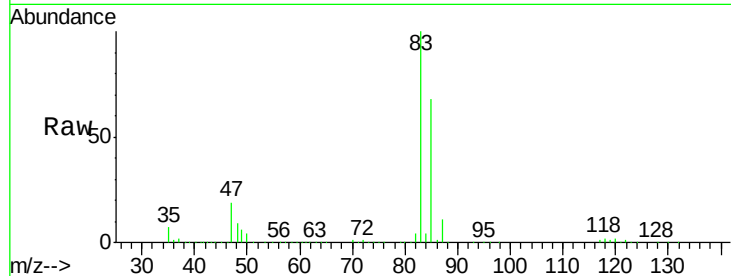
#29
Chloroform
Concen: 9.878 ppbv
RT: 5.77 min Scan# 928
Delta R.T. 0.00 min
Lab File: VL035512.D
Acq: 27 Aug 2020 6:41

Instrument :
MSVOA_L
ClientSampleId :
ICVVL082720

Tot Ion: 83 Resp: 2284749
Ion Ratio Lower Upper
83 100
85 67.6 53.9 80.9

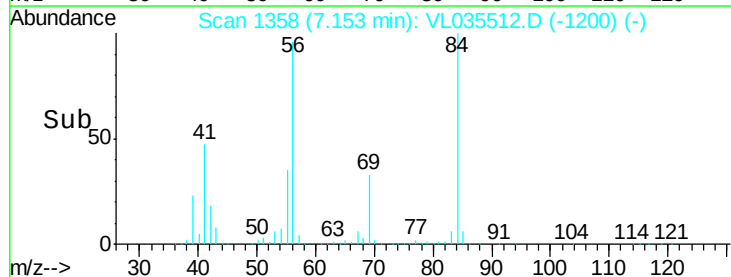
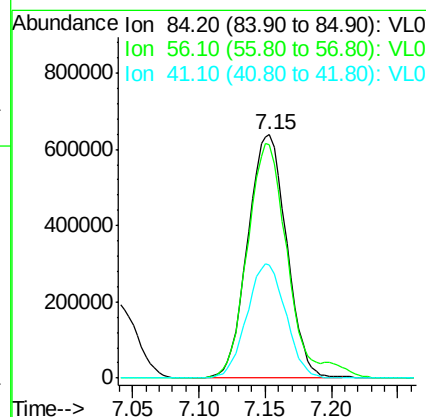
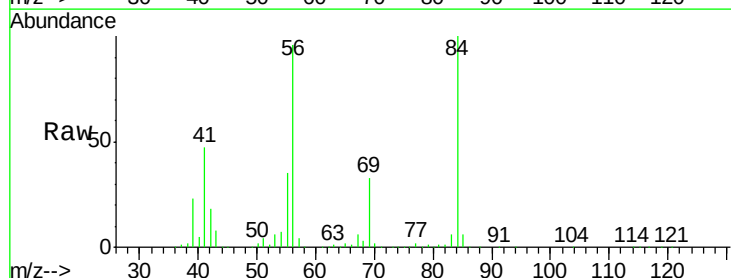
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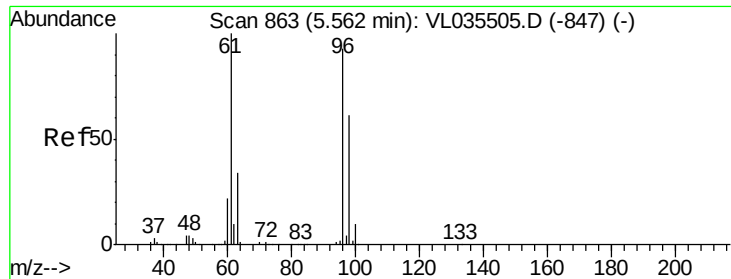
MMDadoda
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#30
Cyclohexane
Concen: 10.724 ppbv
RT: 7.15 min Scan# 1358
Delta R.T. 0.01 min
Lab File: VL035512.D
Acq: 27 Aug 2020 6:41

Tgt Ion: 84 Resp: 1304184
Ion Ratio Lower Upper
84 100
56 100.5 80.1 120.1
41 46.9 38.1 57.1





#31

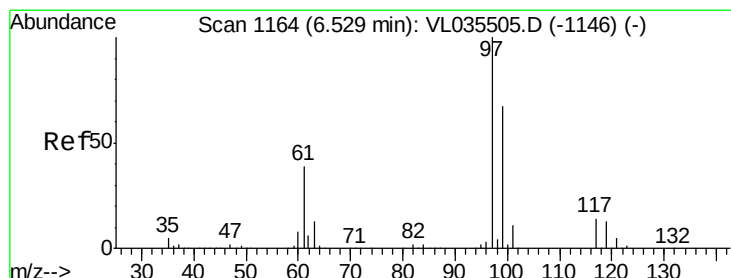
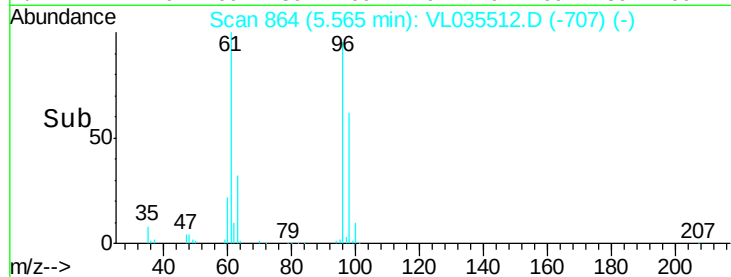
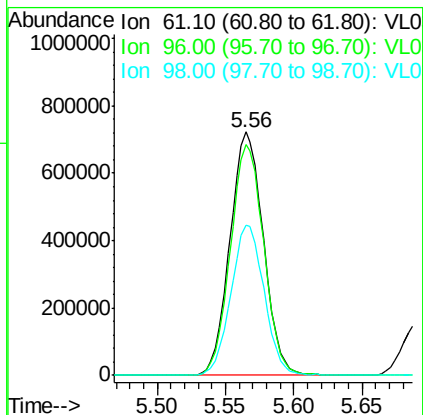
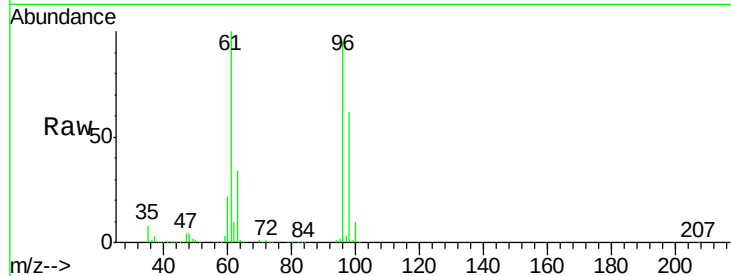
cis-1,2-Dichloroethene
 Concen: 10.555 ppbv
 RT: 5.56 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VL035512.D
 Acq: 27 Aug 2020 6:41

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL082720

Tot Ion	Ratio	Lower	Upper
61	100		
96	95.0	74.4	111.6
98	61.5	49.2	73.8

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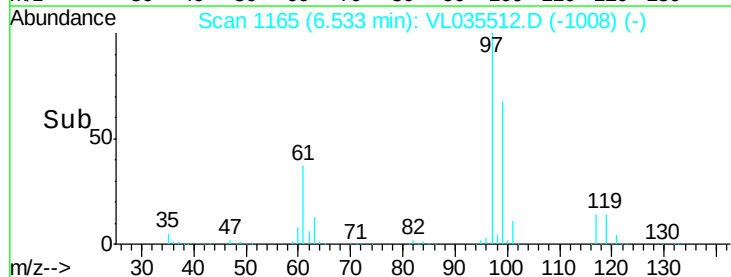
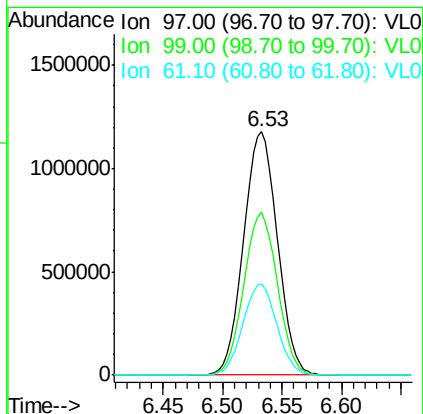
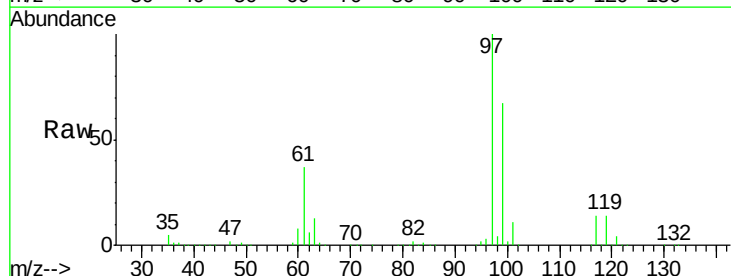
MMDadoda
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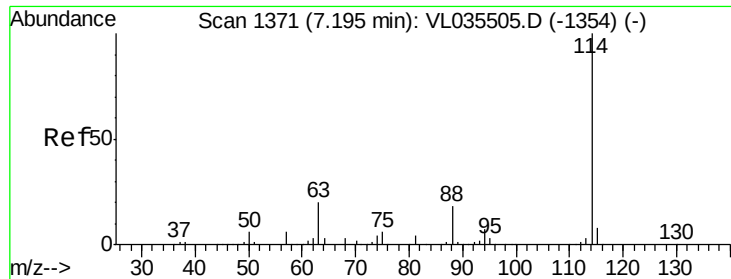


#32

1,1,1-Trichloroethane
 Concen: 10.345 ppbv
 RT: 6.53 min Scan# 1165
 Delta R.T. 0.00 min
 Lab File: VL035512.D
 Acq: 27 Aug 2020 6:41

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.4	53.3	79.9
61	37.5	30.6	46.0





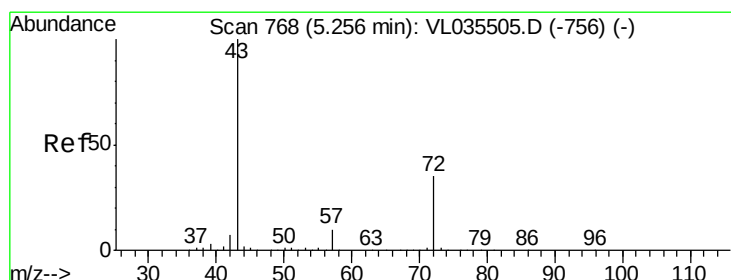
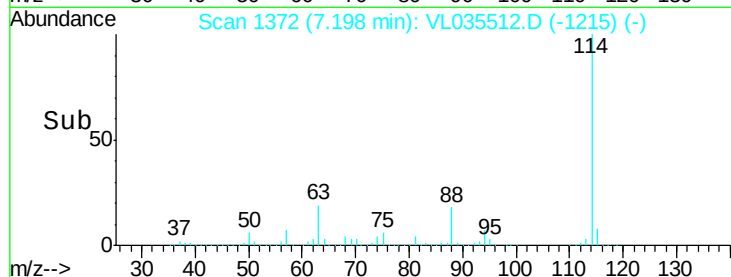
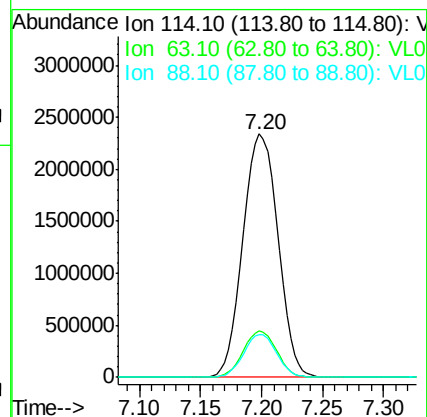
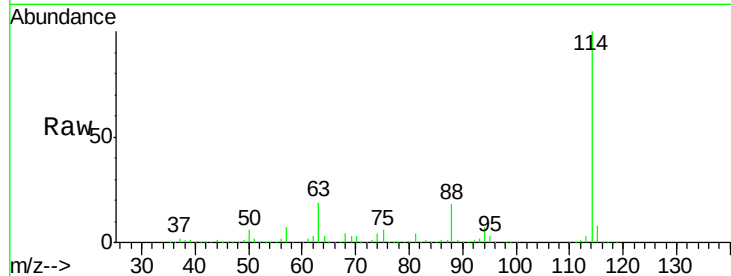
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.20 min Scan# 1372
 Delta R.T. 0.00 min
 Lab File: VL035512.D
 Acq: 27 Aug 2020 6:41

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL082720

Tot Ion:114 Resp: 4660562
 Ion Ratio Lower Upper
 114 100
 63 18.3 14.7 22.1
 88 16.7 13.4 20.2

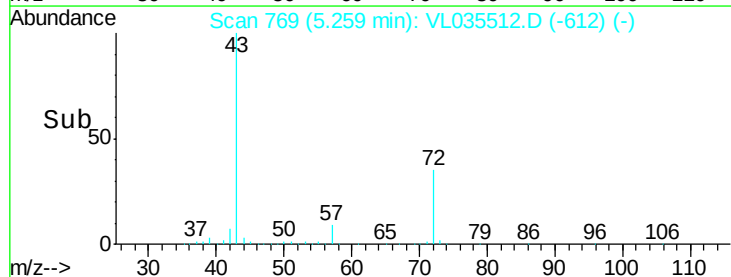
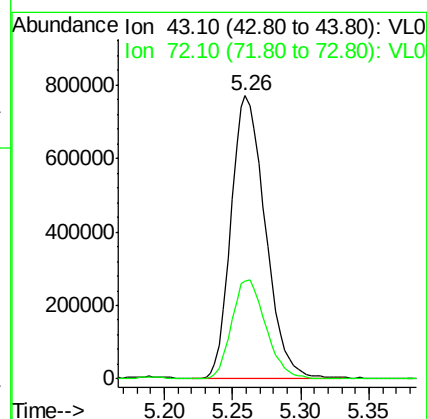
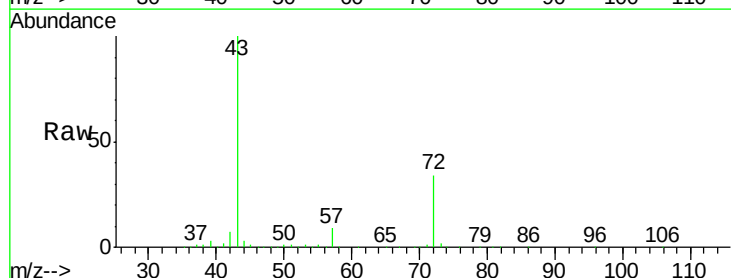
Manual Integrations
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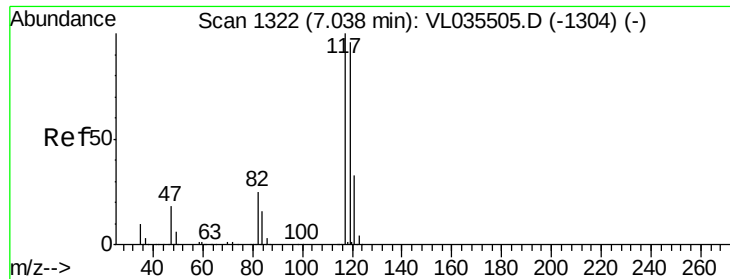
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#34
 2-Butanone
 Concen: 9.720 ppbv
 RT: 5.26 min Scan# 769
 Delta R.T. 0.00 min
 Lab File: VL035512.D
 Acq: 27 Aug 2020 6:41

Tgt Ion: 43 Resp: 1344395
 Ion Ratio Lower Upper
 43 100
 72 35.1 27.7 41.5





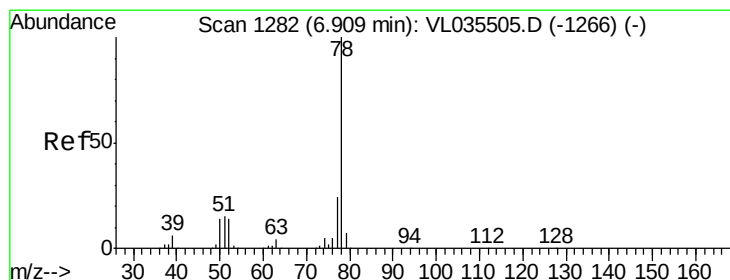
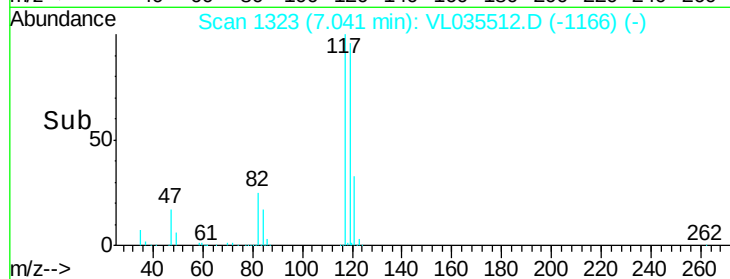
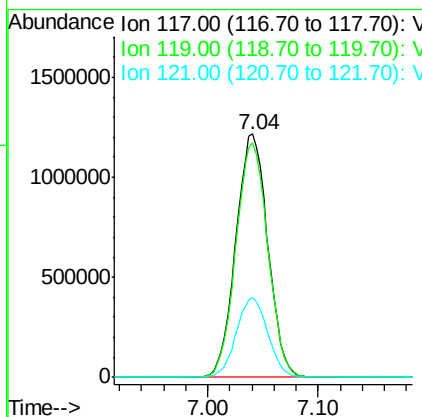
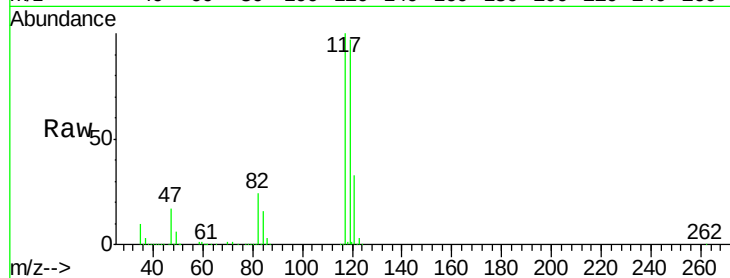
#35
Carbon Tetrachloride
Concen: 10.407 ppbv
RT: 7.04 min Scan# 1323
Delta R.T. 0.00 min
Lab File: VL035512.D
Acq: 27 Aug 2020 6:41

Instrument :
MSVOA_L
ClientSampleId :
ICVVL082720

Tot Ion:117 Resp: 2437741
Ion Ratio Lower Upper
117 100
119 96.5 77.2 115.8
121 32.5 26.1 39.1

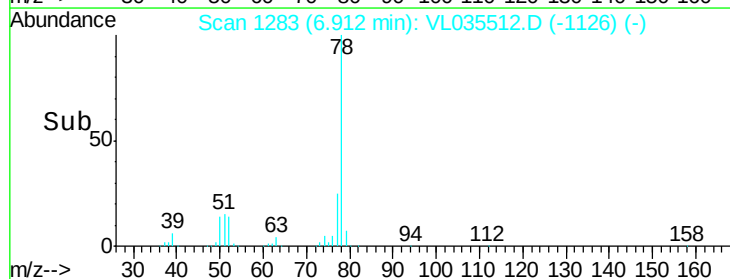
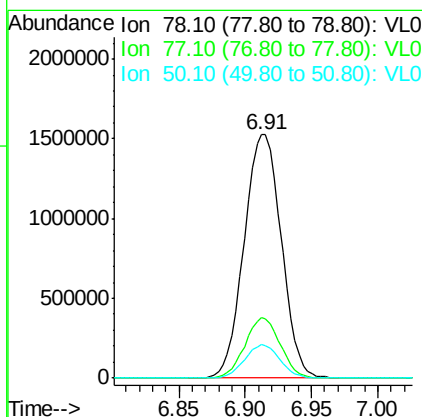
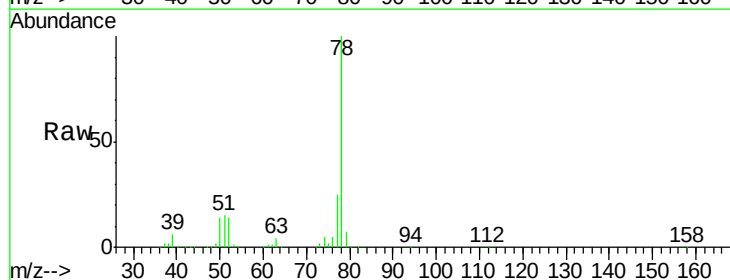
Manual Integrations
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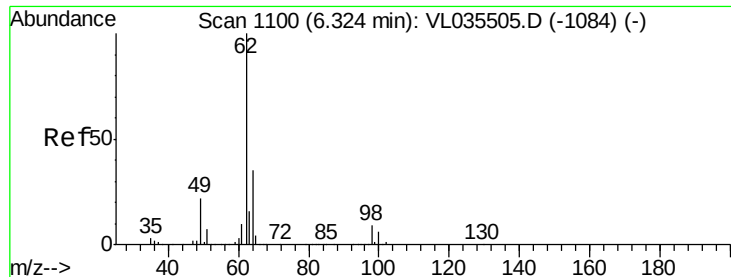
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#36
Benzene
Concen: 9.881 ppbv
RT: 6.91 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VL035512.D
Acq: 27 Aug 2020 6:41

Tgt Ion: 78 Resp: 2980965
Ion Ratio Lower Upper
78 100
77 24.7 19.3 28.9
50 13.7 11.0 16.6





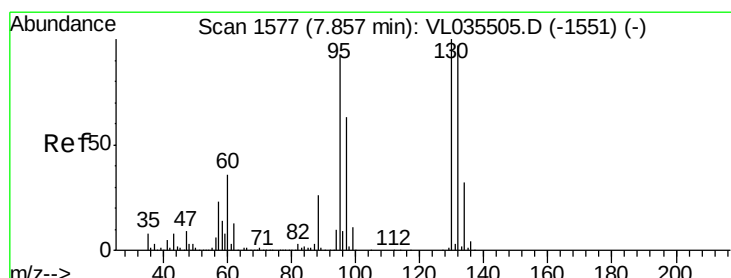
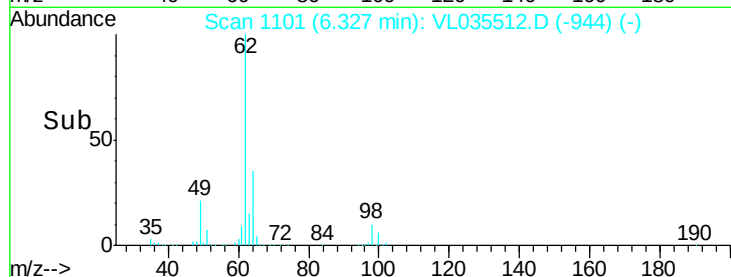
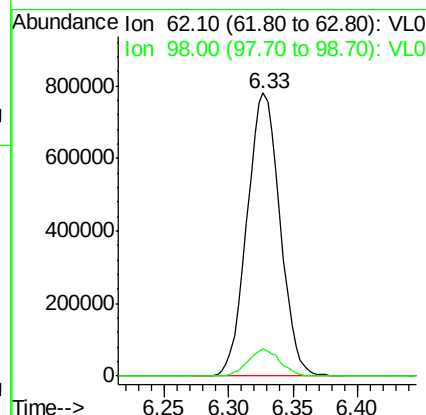
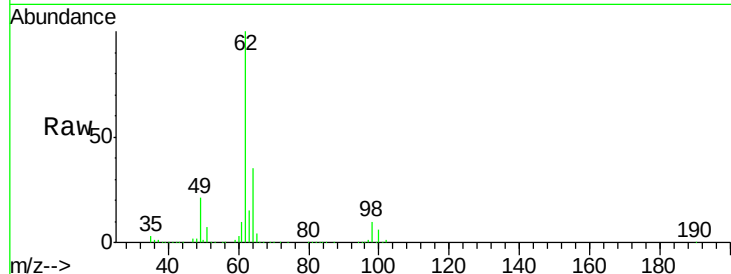
#37
 1,2-Dichloroethane
 Concen: 9.688 ppbv
 RT: 6.33 min Scan# 1101
 Delta R.T. 0.00 min
 Lab File: VL035512.D
 Acq: 27 Aug 2020 6:41

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL082720

Tot Ion: 62 Resp: 1393368
 Ion Ratio Lower Upper
 62 100
 98 9.3 7.4 11.0

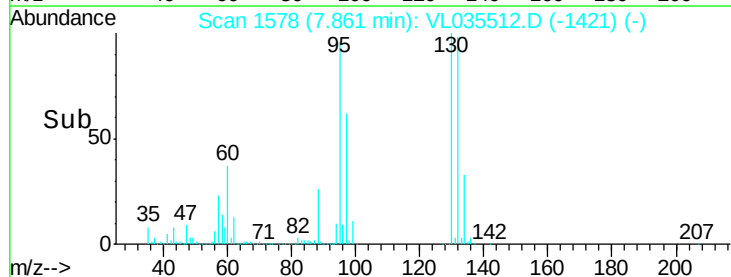
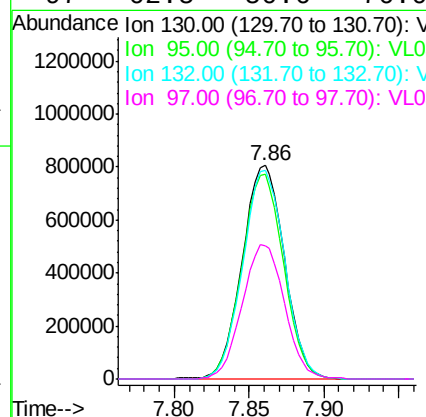
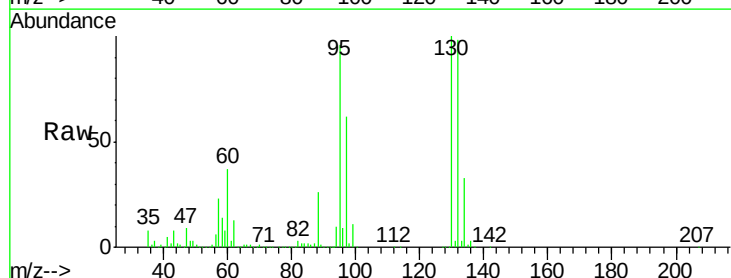
Manual Integrations
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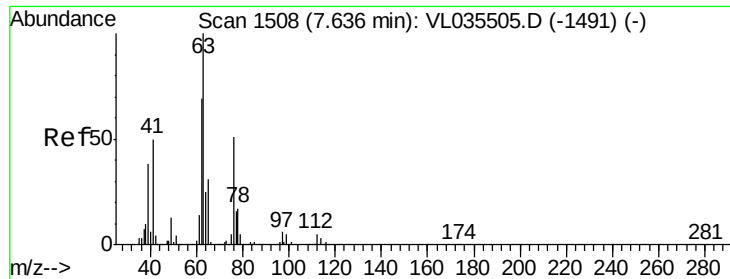
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#38
 Trichloroethene
 Concen: 9.002 ppbv
 RT: 7.86 min Scan# 1578
 Delta R.T. 0.00 min
 Lab File: VL035512.D
 Acq: 27 Aug 2020 6:41

Tgt Ion:130 Resp: 1577456
 Ion Ratio Lower Upper
 130 100
 95 96.2 74.6 112.0
 132 97.8 77.6 116.4
 97 62.5 50.6 76.0





#39

1,2-Dichloropropane

Concen: 9.783 ppbv

RT: 7.64 min Scan# 1509

Delta R.T. 0.00 min

Lab File: VL035512.D

Acq: 27 Aug 2020 6:41

Instrument :

MSVOA_L

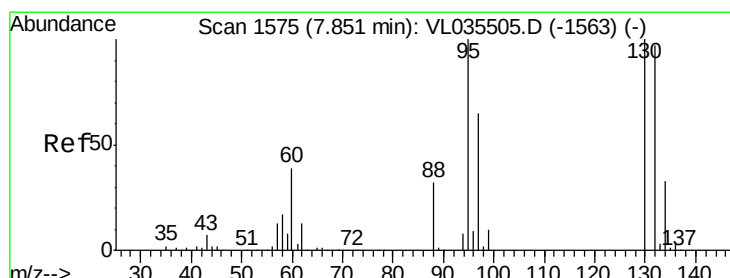
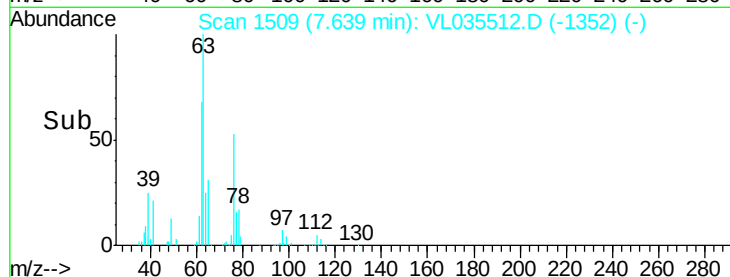
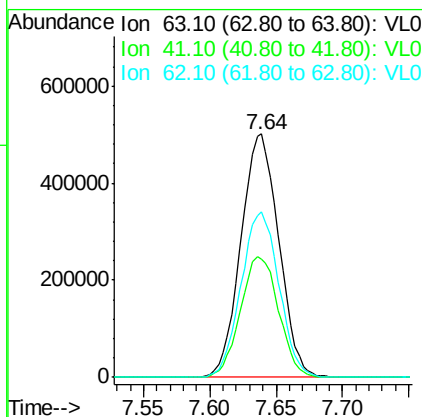
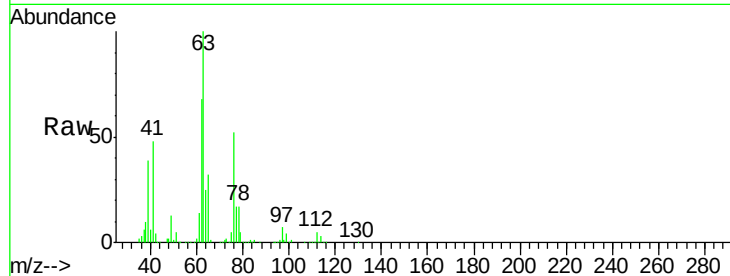
ClientSampleId :

ICVVL082720

Tot Ion:	63	Resp:	997015
Ion Ratio		Lower	Upper
63	100		
41	48.4	40.0	60.0
62	68.1	55.4	83.0

Manual Integrations
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#40

1,4-Dioxane

Concen: 10.635 ppbv

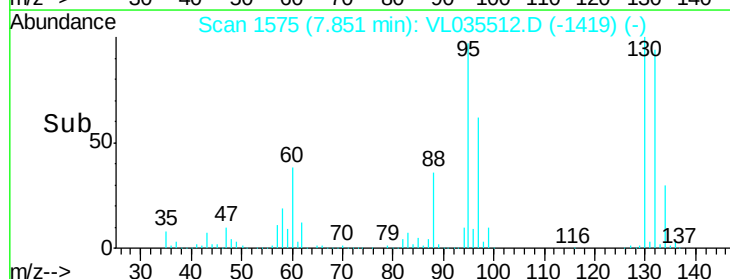
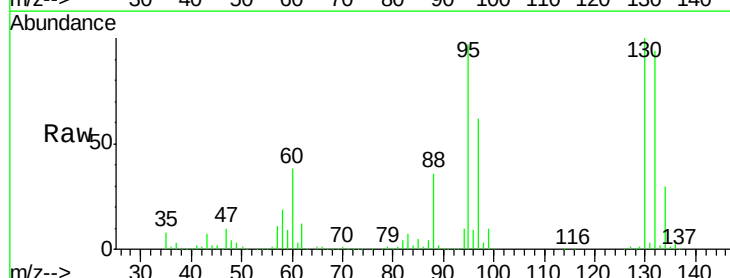
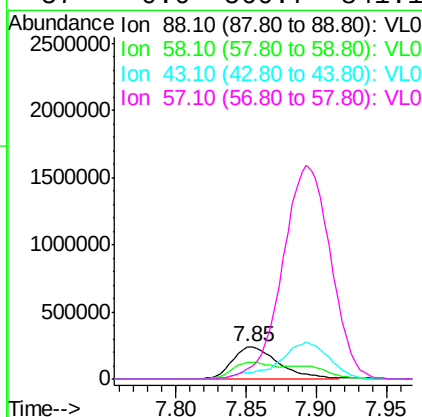
RT: 7.85 min Scan# 1575

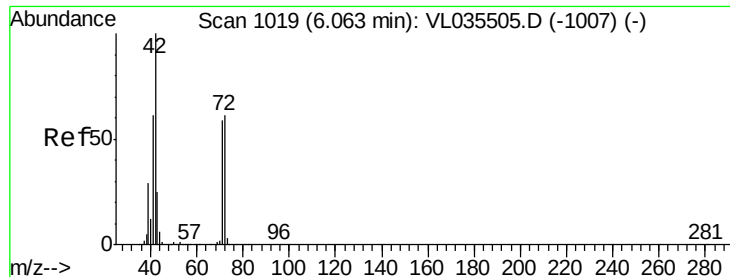
Delta R.T. -0.00 min

Lab File: VL035512.D

Acq: 27 Aug 2020 6:41

Tgt Ion:	88	Resp:	541420
Ion Ratio		Lower	Upper
88	100		
58	86.6	68.7	103.1
43	0.0	104.3	156.5#
57	0.0	560.7	841.1#





#41

Tetrahydrofuran

Concen: 10.477 ppbv

RT: 6.07 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VL035512.D

Acq: 27 Aug 2020 6:41

Instrument :

MSVOA_L

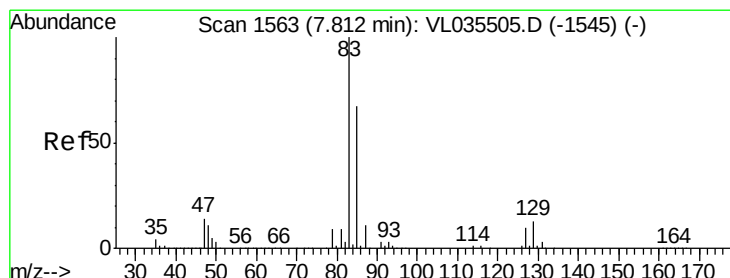
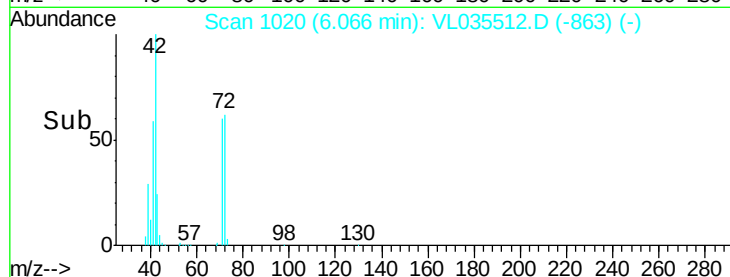
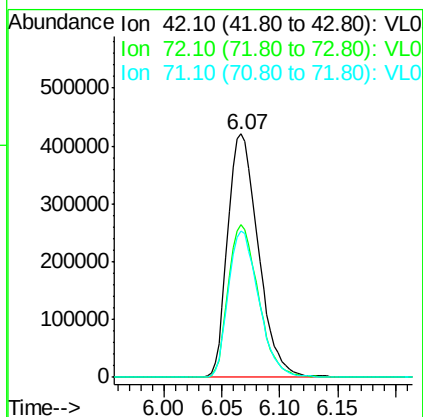
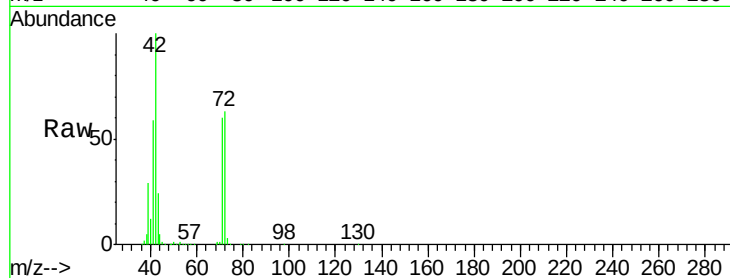
ClientSampleId :

ICVVL082720

Tot Ion:	42	Resp:	768424
Ion Ratio		Lower	Upper
42	100		
72	62.1	48.6	73.0
71	59.6	46.1	69.1

Manual Integrations
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#42

Bromodichloromethane

Concen: 10.484 ppbv

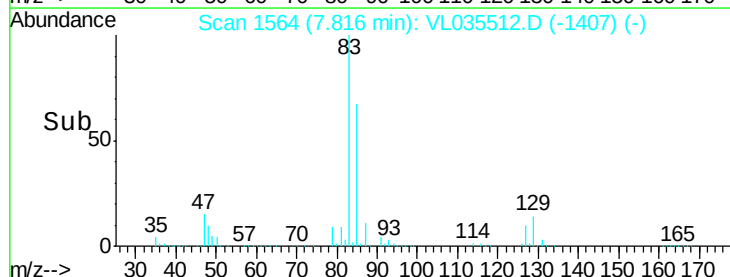
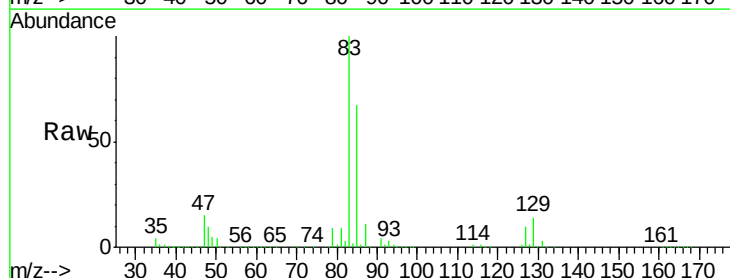
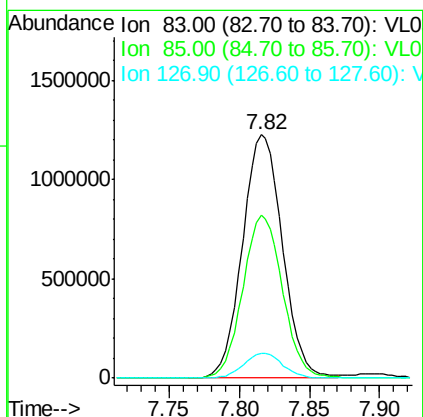
RT: 7.82 min Scan# 1564

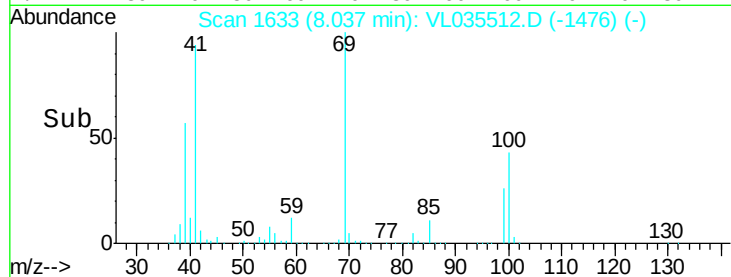
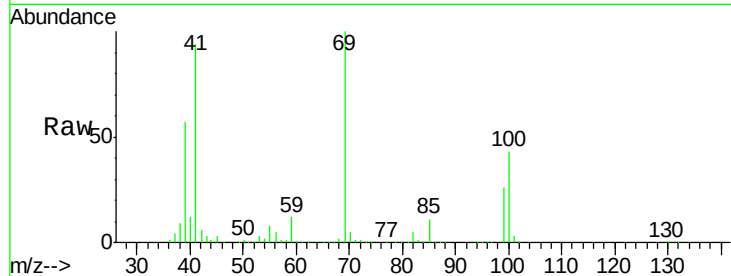
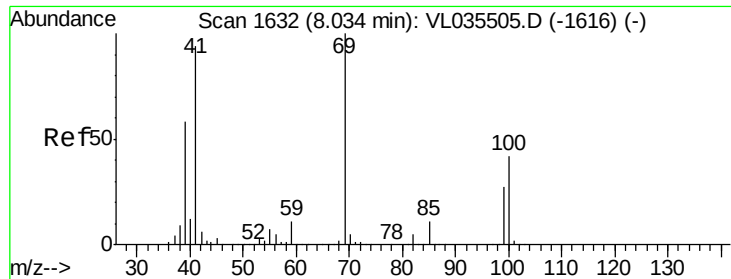
Delta R.T. 0.00 min

Lab File: VL035512.D

Acq: 27 Aug 2020 6:41

Tgt Ion:	83	Resp:	2438387
Ion Ratio		Lower	Upper
83	100		
85	66.9	53.7	80.5
127	10.0	8.1	12.1





#43

Methyl Methacrylate

Concen: 10.466 ppbv

RT: 8.04 min Scan# 1633

Delta R.T. 0.00 min

Lab File: VL035512.D

Acq: 27 Aug 2020 6:41

Tot Ion: 69 Resp: 1220924

Ion Ratio Lower Upper

69 100

41 95.2 76.6 114.8

100 42.5 33.8 50.6

Instrument :

MSVOA_L

ClientSampleId :

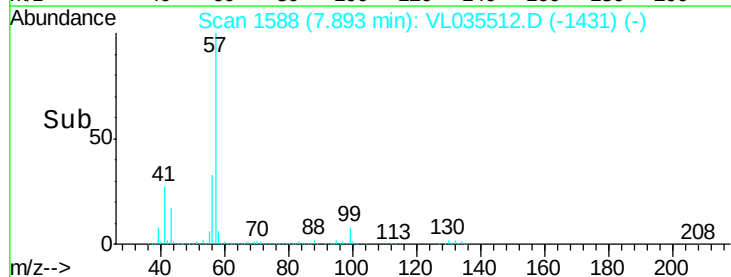
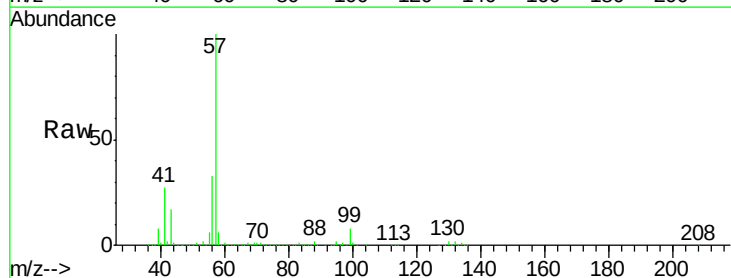
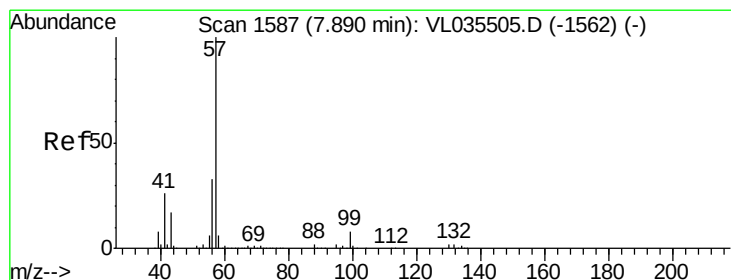
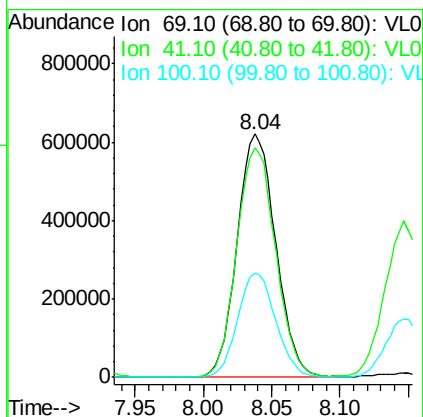
ICVVL082720

Manual Integrations

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#44

2,2,4-Trimethylpentane

Concen: 9.492 ppbv

RT: 7.89 min Scan# 1588

Delta R.T. 0.00 min

Lab File: VL035512.D

Acq: 27 Aug 2020 6:41

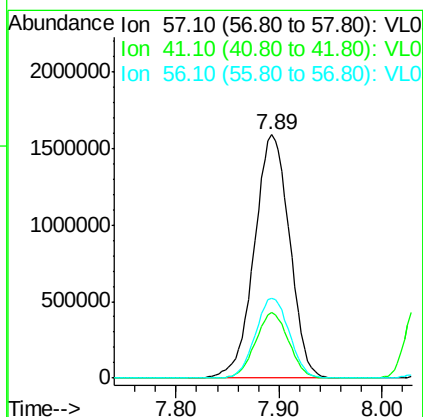
Tgt Ion: 57 Resp: 3767706

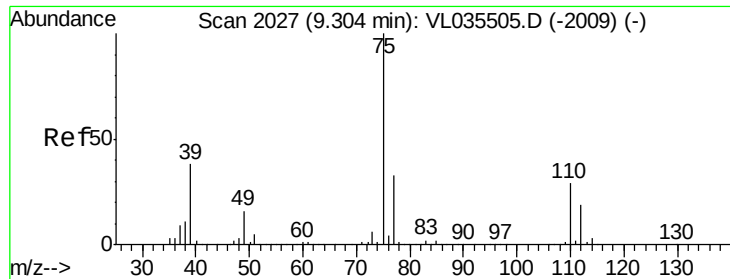
Ion Ratio Lower Upper

57 100

41 25.5 20.5 30.7

56 31.6 25.3 37.9





#45

t-1,3-Dichloropropene

Concen: 11.821 ppbv

RT: 9.31 min Scan# 2028

Delta R.T. 0.00 min

Lab File: VL035512.D

Acq: 27 Aug 2020 6:41

Tot Ion: 75 Resp: 1396963

Ion Ratio Lower Upper

75 100

77 33.1 26.5 39.7

Instrument :

MSVOA_L

ClientSampleId :

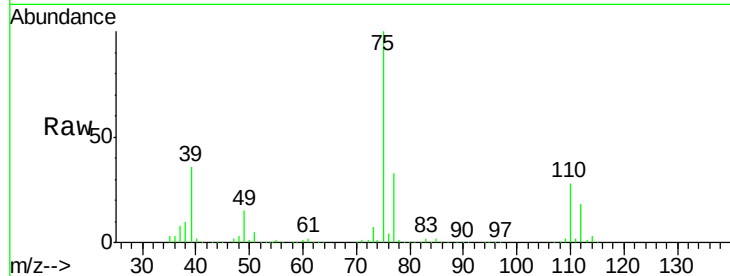
ICVVL082720

Manual Integrations

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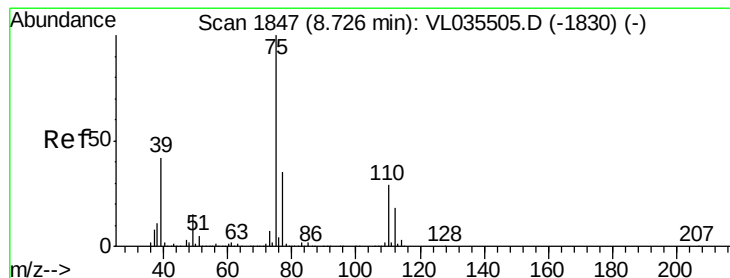
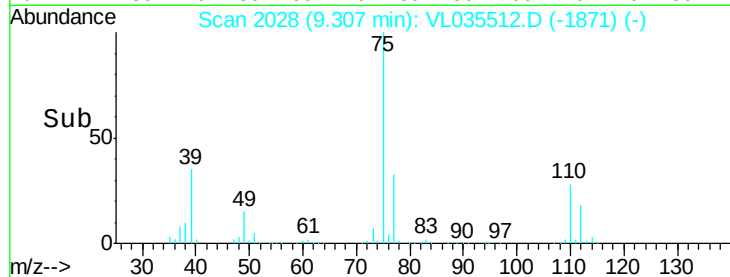
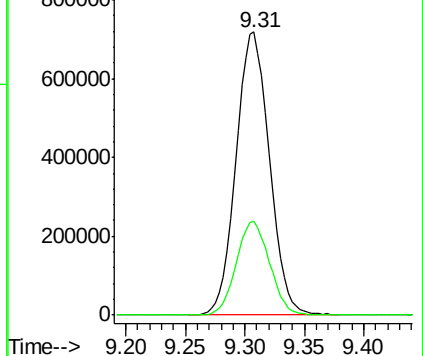
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Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#46

cis-1,3-Dichloropropene

Concen: 11.328 ppbv

RT: 8.73 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VL035512.D

Acq: 27 Aug 2020 6:41

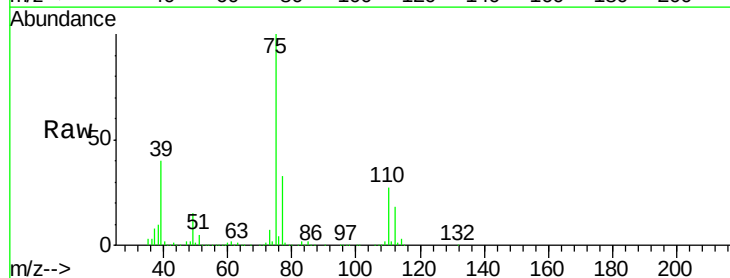
Tgt Ion: 75 Resp: 1662126

Ion Ratio Lower Upper

75 100

39 39.9 33.7 50.5

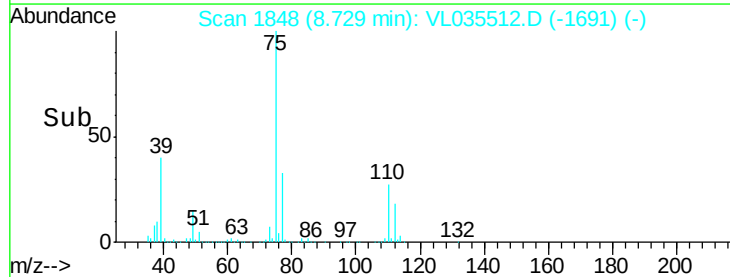
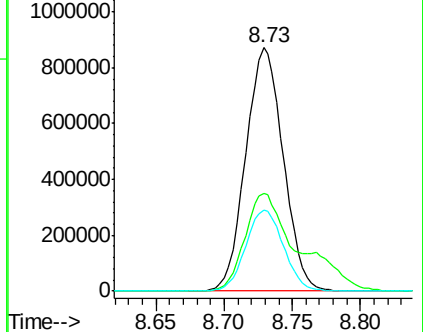
77 33.0 27.8 41.6

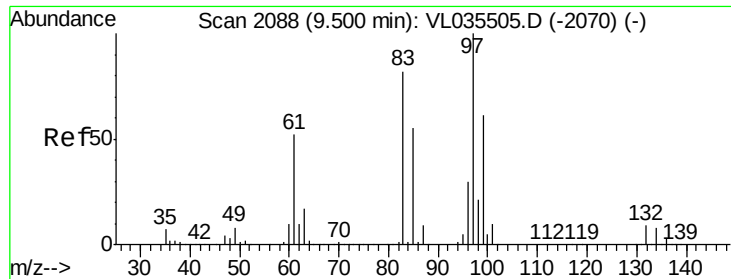


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0





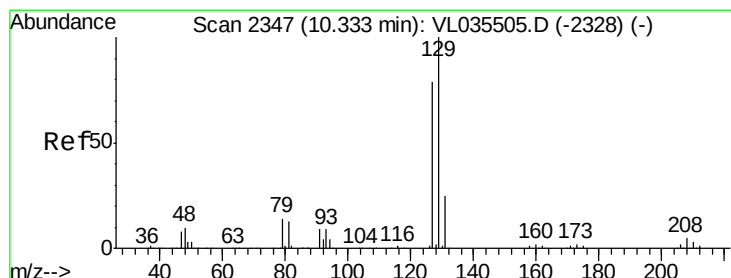
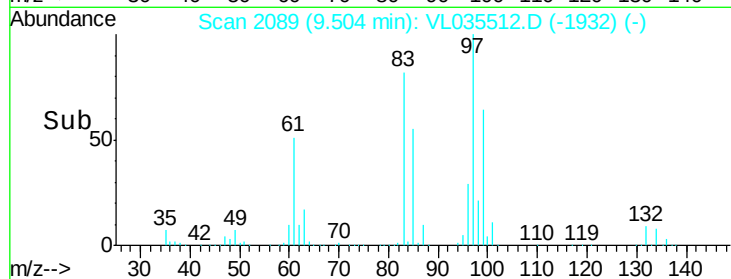
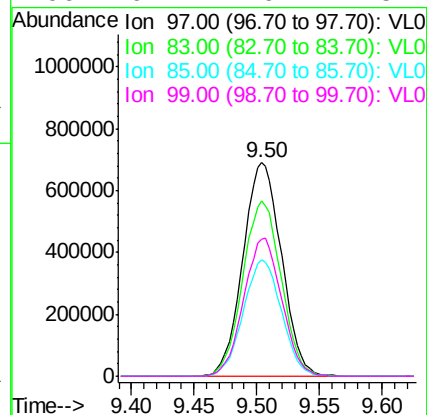
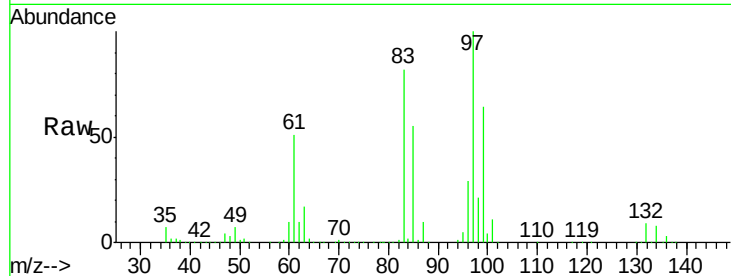
#47
 1,1,2-Trichloroethane
 Concen: 9.824 ppbv
 RT: 9.50 min Scan# 2089
 Delta R.T. 0.00 min
 Lab File: VL035512.D
 Acq: 27 Aug 2020 6:41

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL082720

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	82.2	65.4	98.2	
85	54.8	43.7	65.5	
99	64.4	49.1	73.7	

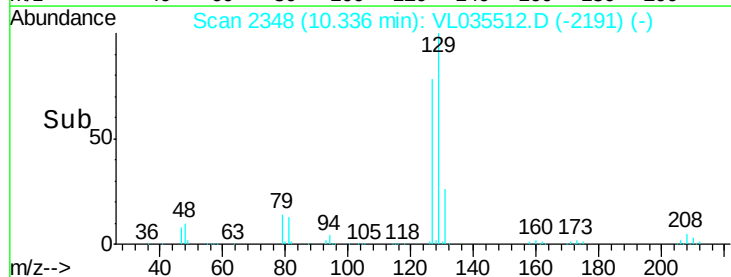
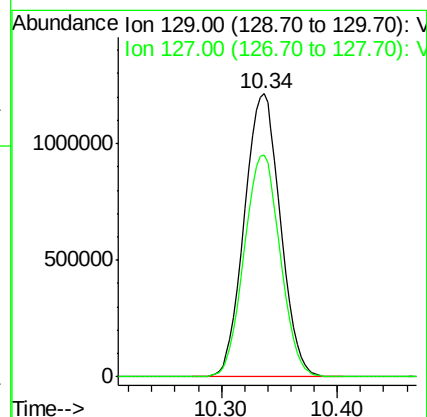
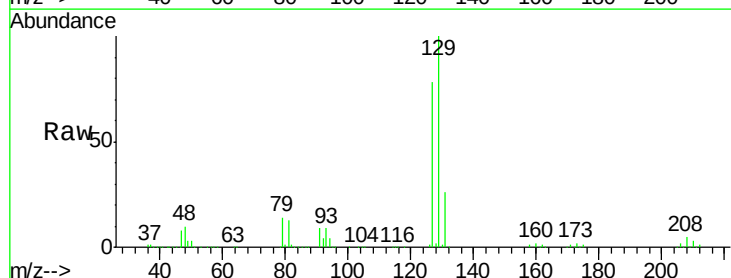
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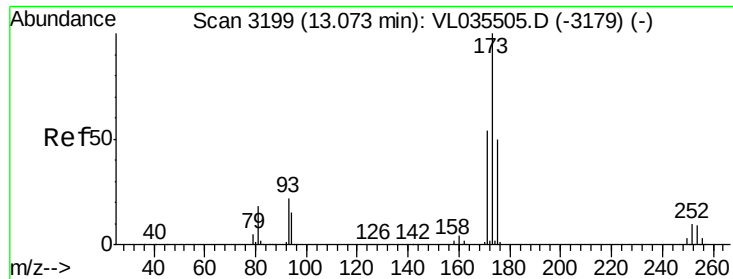
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#48
 Dibromochloromethane
 Concen: 11.079 ppbv
 RT: 10.34 min Scan# 2348
 Delta R.T. 0.00 min
 Lab File: VL035512.D
 Acq: 27 Aug 2020 6:41

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	78.5	39.3	117.8	





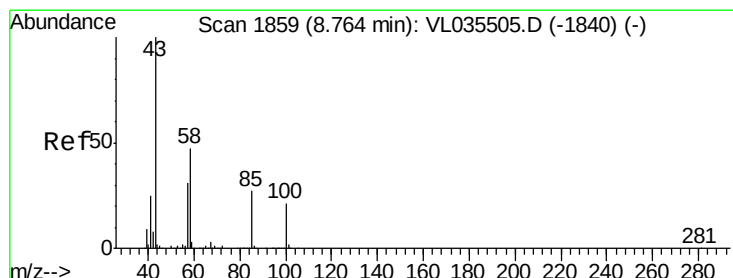
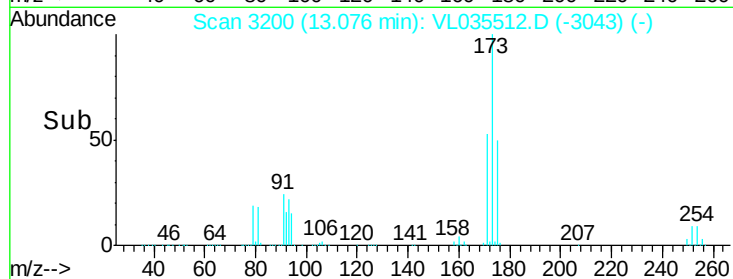
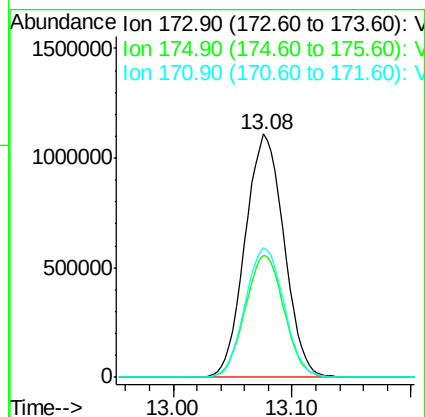
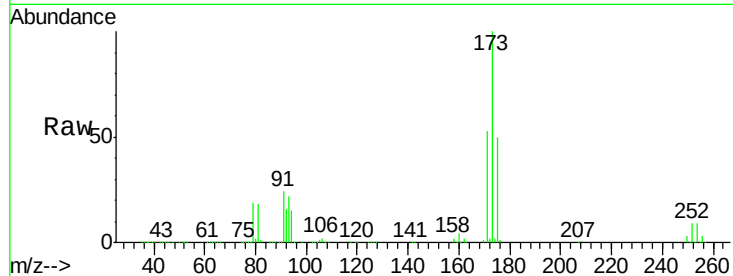
#49
Bromoform
Concen: 11.716 ppbv
RT: 13.08 min Scan# 3200
Delta R.T. 0.00 min
Lab File: VL035512.D
Acq: 27 Aug 2020 6:41

Instrument :
MSVOA_L
ClientSampleId :
ICVVL082720

Tot Ion:173 Resp: 2512943
Ion Ratio Lower Upper
173 100
175 50.2 39.8 59.8
171 53.6 42.4 63.6

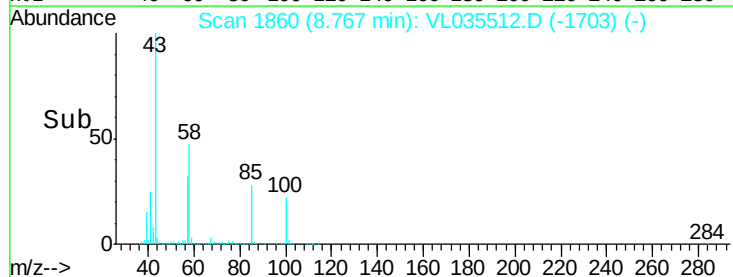
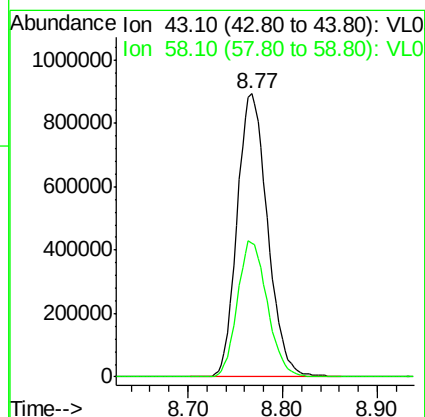
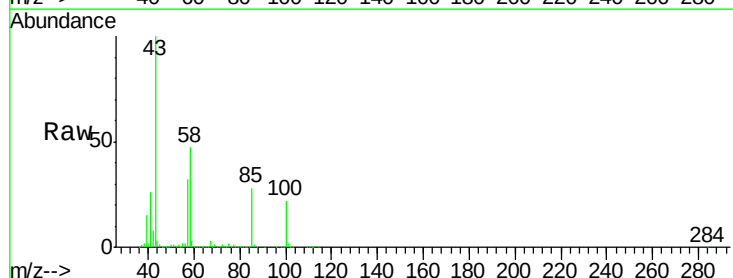
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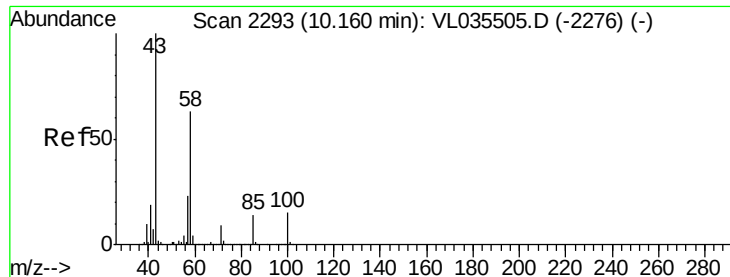
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#50
4-Methyl-2-Pentanone
Concen: 9.965 ppbv
RT: 8.77 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VL035512.D
Acq: 27 Aug 2020 6:41

Tgt Ion: 43 Resp: 1995738
Ion Ratio Lower Upper
43 100
58 47.3 37.4 56.0





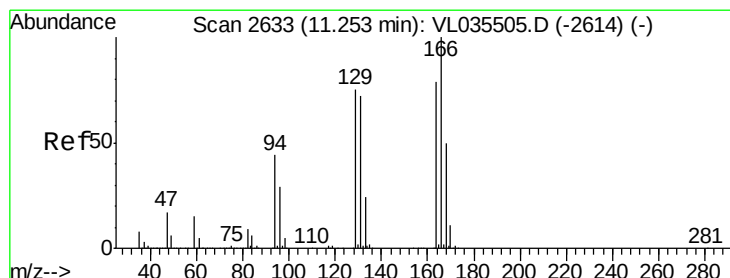
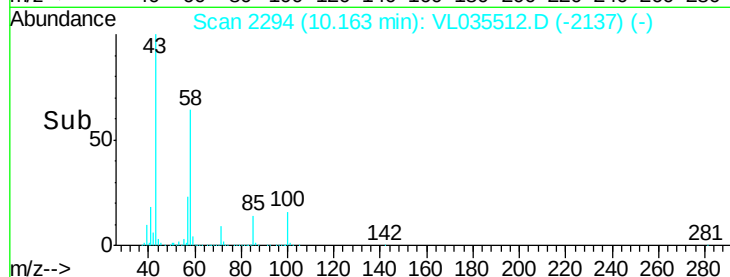
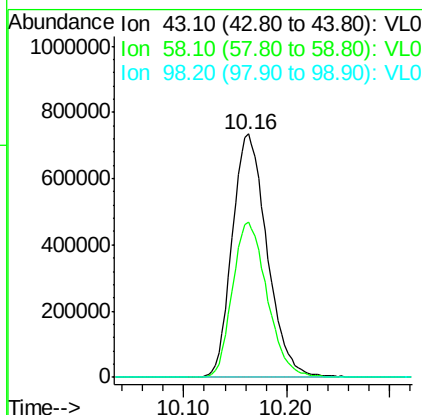
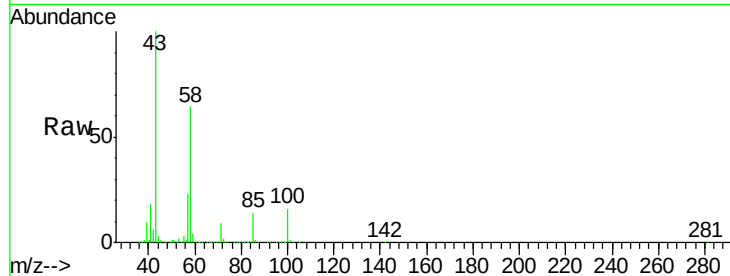
#51
2-Hexanone
Concen: 10.539 ppbv
RT: 10.16 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VL035512.D
Acq: 27 Aug 2020 6:41

Instrument :
MSVOA_L
ClientSampleId :
ICVVL082720

Tot Ion: 43 Resp: 1731435
Ion Ratio Lower Upper
43 100
58 63.7 50.2 75.4
98 0.3 0.4 0.6#

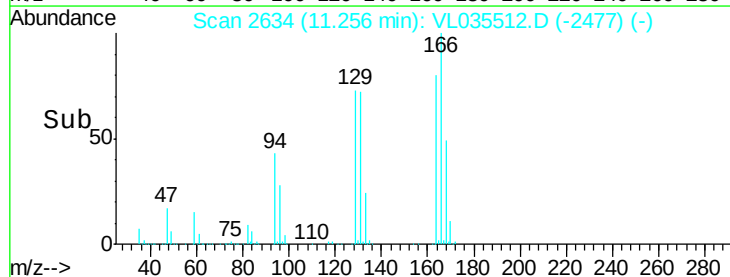
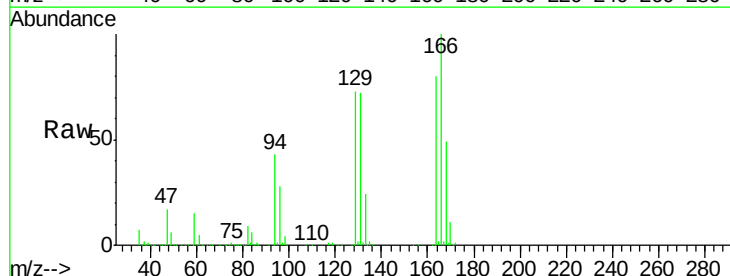
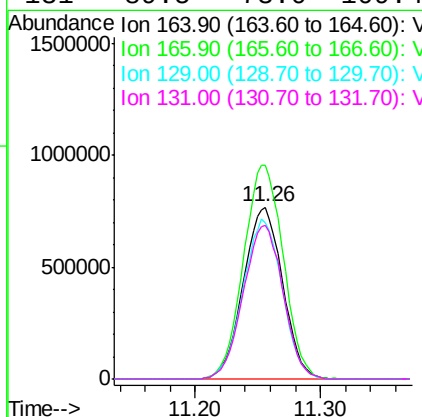
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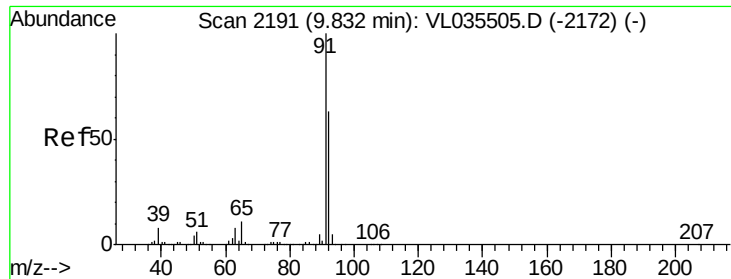
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#52
Tetrachloroethene
Concen: 9.470 ppbv
RT: 11.26 min Scan# 2634
Delta R.T. 0.00 min
Lab File: VL035512.D
Acq: 27 Aug 2020 6:41

Tgt Ion: 164 Resp: 1668941
Ion Ratio Lower Upper
164 100
166 124.4 100.9 151.3
129 90.9 75.3 112.9
131 89.5 73.0 109.4





#53

Toluene

Concen: 10.093 ppbv

RT: 9.83 min Scan# 2192

Delta R.T. 0.00 min

Lab File: VL035512.D

Acq: 27 Aug 2020 6:41

Instrument :

MSVOA_L

ClientSampleId :

ICVVL082720

Tot Ion: 91 Resp: 3829104

Ion Ratio Lower Upper

91 100

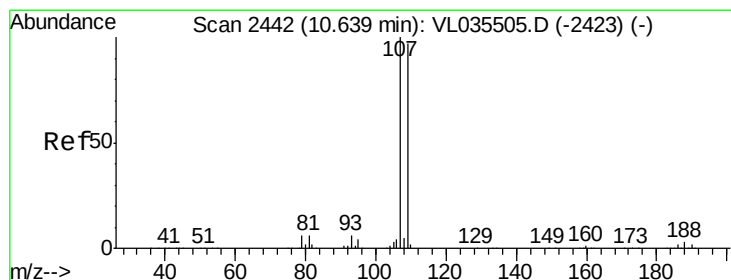
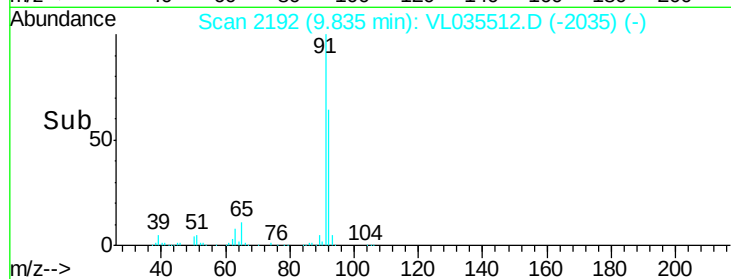
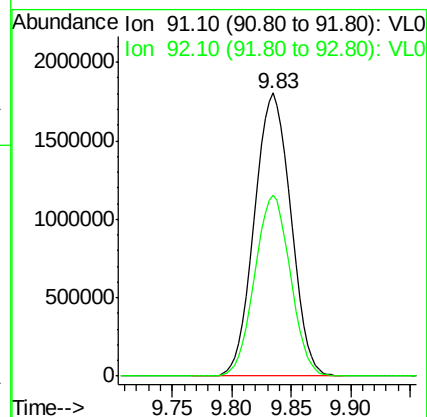
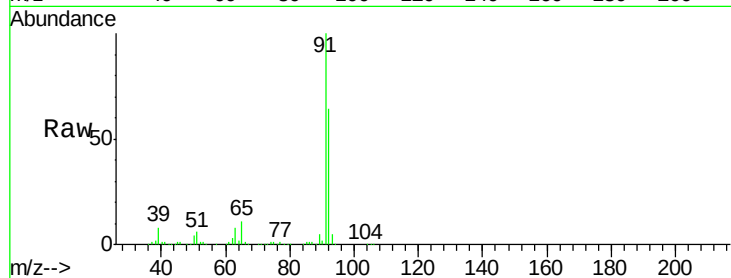
92 62.5 49.8 74.8

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#54

1,2-Dibromoethane

Concen: 10.004 ppbv

RT: 10.65 min Scan# 2444

Delta R.T. 0.01 min

Lab File: VL035512.D

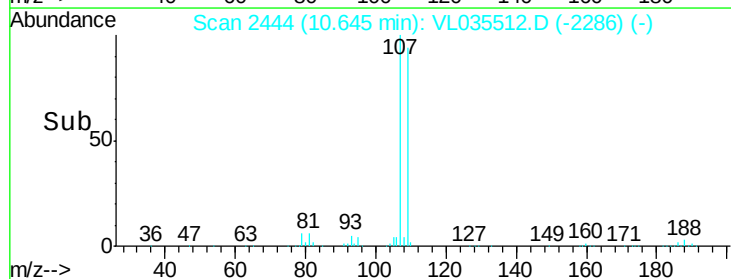
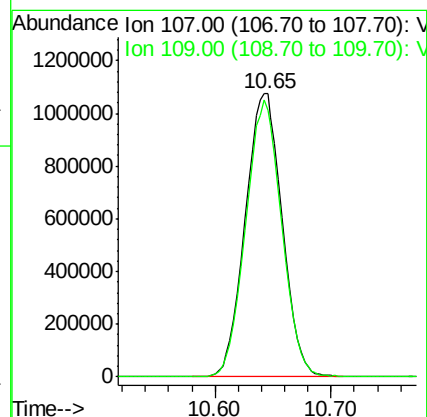
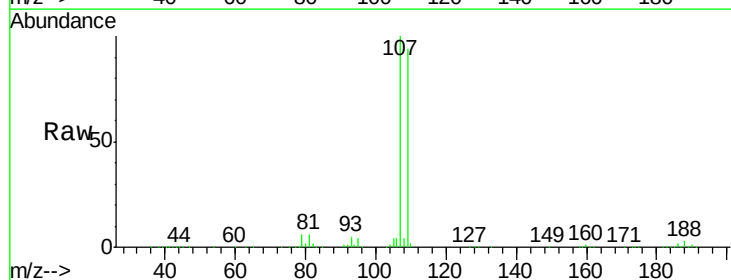
Acq: 27 Aug 2020 6:41

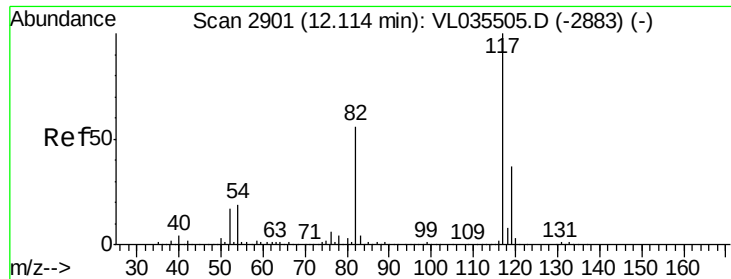
Tgt Ion: 107 Resp: 2377011

Ion Ratio Lower Upper

107 100

109 94.4 77.8 116.8





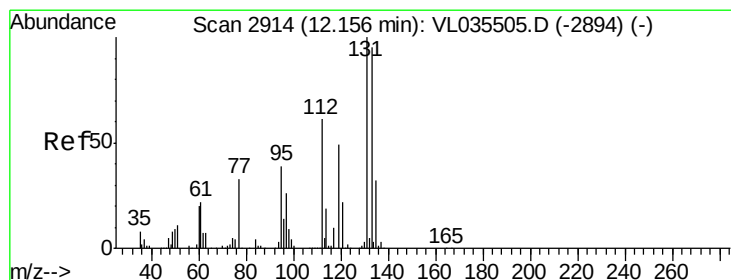
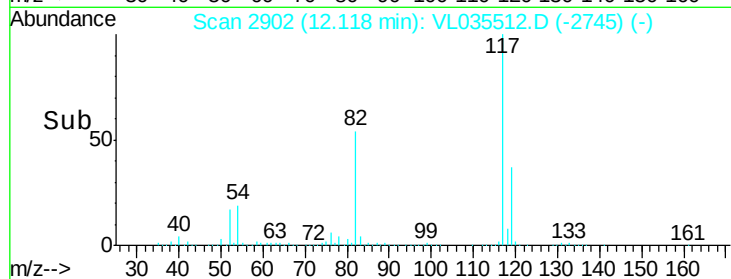
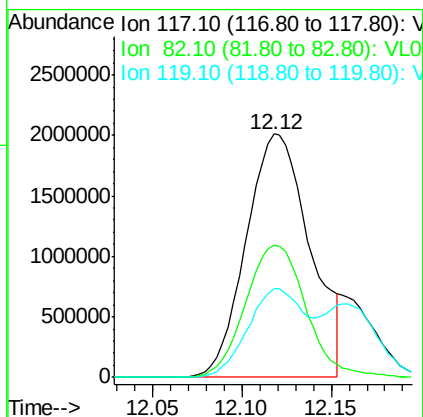
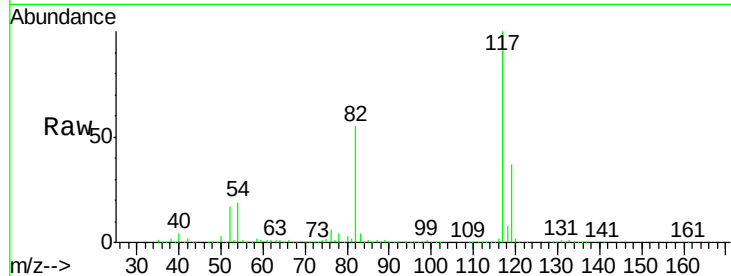
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.12 min Scan# 2902
Delta R.T. 0.00 min
Lab File: VL035512.D
Acq: 27 Aug 2020 6:41

Instrument :
MSVOA_L
ClientSampleId :
ICVVL082720

Tot Ion:117 Resp: 5015148
Ion Ratio Lower Upper
117 100
82 51.6 41.6 62.4
119 32.7 29.3 43.9

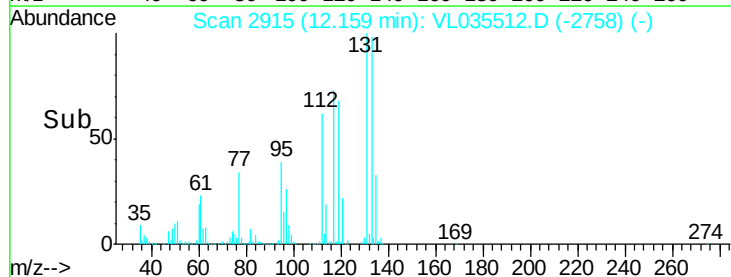
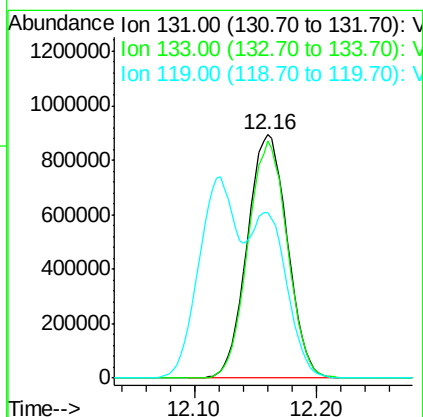
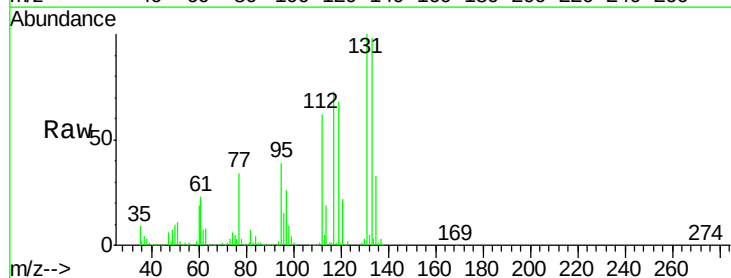
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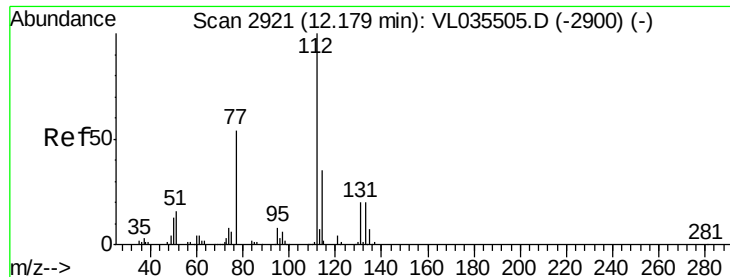
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.939 ppbv
RT: 12.16 min Scan# 2915
Delta R.T. 0.00 min
Lab File: VL035512.D
Acq: 27 Aug 2020 6:41

Tgt Ion:131 Resp: 2028270
Ion Ratio Lower Upper
131 100
133 96.1 76.6 115.0
119 63.9 51.6 77.4





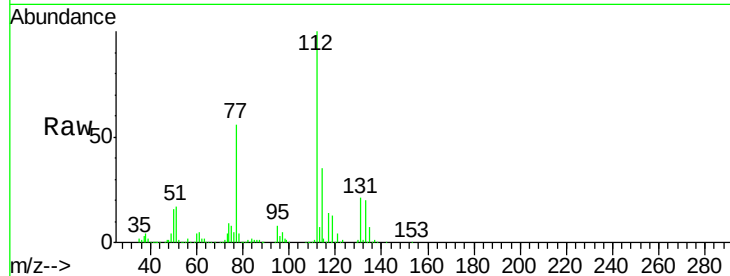
#57
Chlorobenzene
Concen: 8.917 ppbv
RT: 12.18 min Scan# 2922
Delta R.T. 0.00 min
Lab File: VL035512.D
Acq: 27 Aug 2020 6:41

Instrument :
MSVOA_L
ClientSampleId :
ICVVL082720

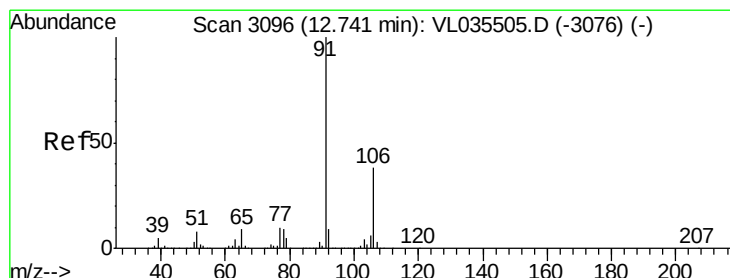
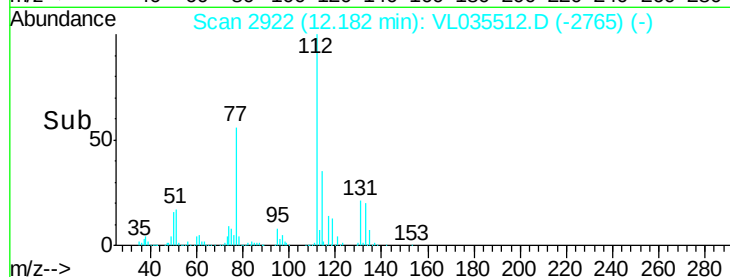
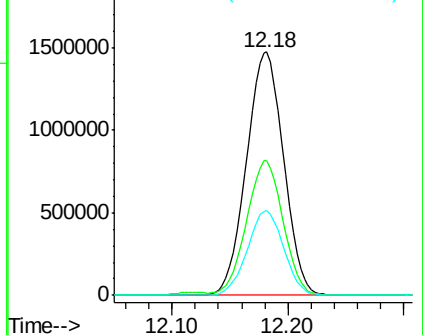
Tot Ion	Ratio	Lower	Upper
112	100		
77	55.3	44.2	66.4
114	34.8	31.6	38.6

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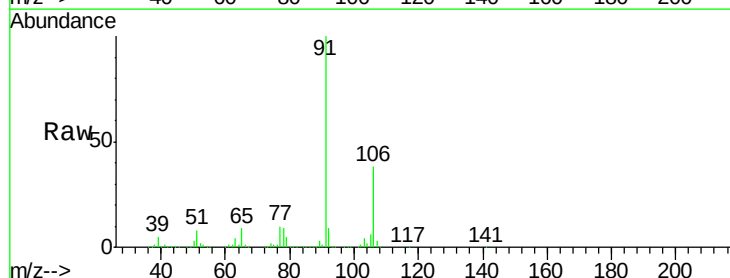


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

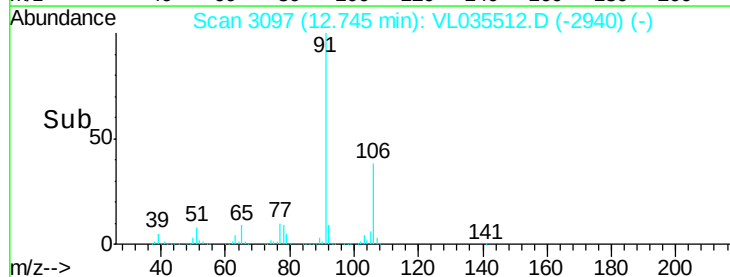
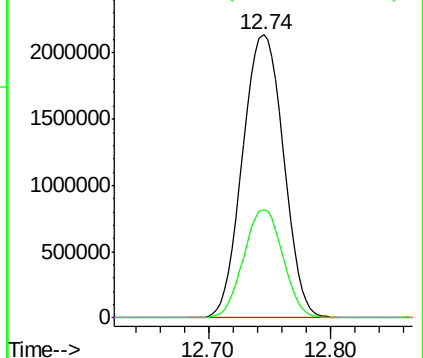


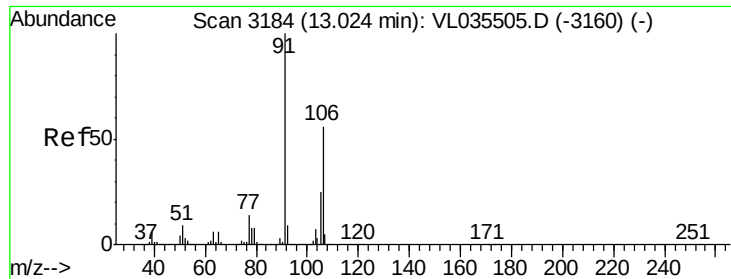
#58
Ethyl Benzene
Concen: 9.632 ppbv
RT: 12.74 min Scan# 3097
Delta R.T. 0.00 min
Lab File: VL035512.D
Acq: 27 Aug 2020 6:41

Tgt Ion	Ratio	Lower	Upper
91	100		
106	38.1	30.3	45.5



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V





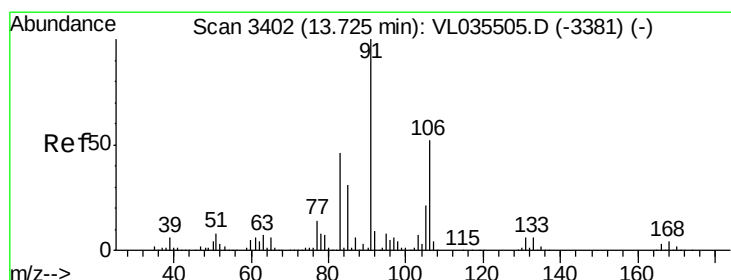
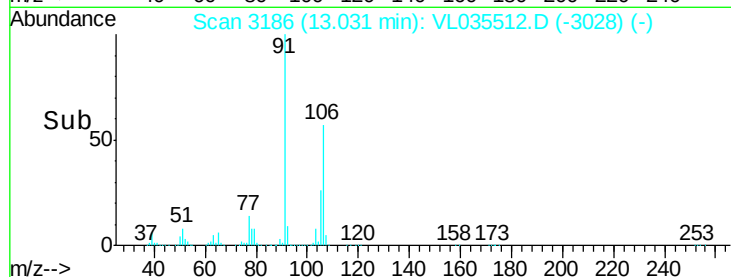
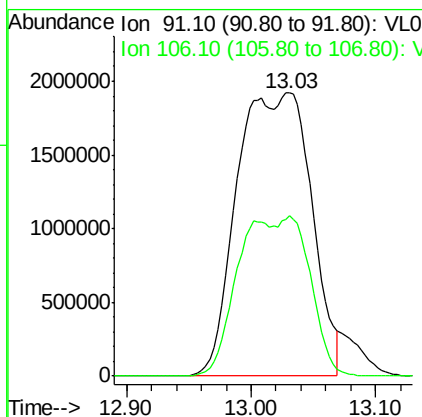
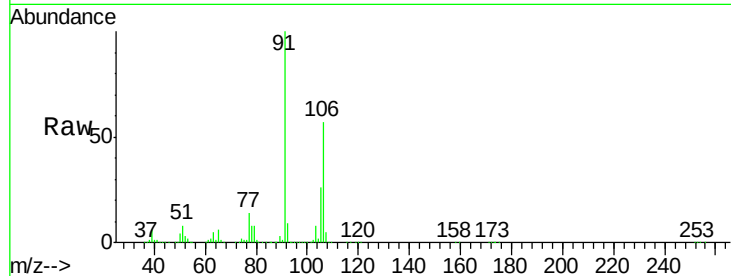
#59
m/p-Xylene
Concen: 18.479 ppbv m
RT: 13.03 min Scan# 3186
Delta R.T. 0.01 min
Lab File: VL035512.D
Acq: 27 Aug 2020 6:41

Instrument :
MSVOA_L
ClientSampleId :
ICVVL082720

Tot Ion: 91 Resp: 7985660
Ion Ratio Lower Upper
91 100
106 54.3 43.4 65.2

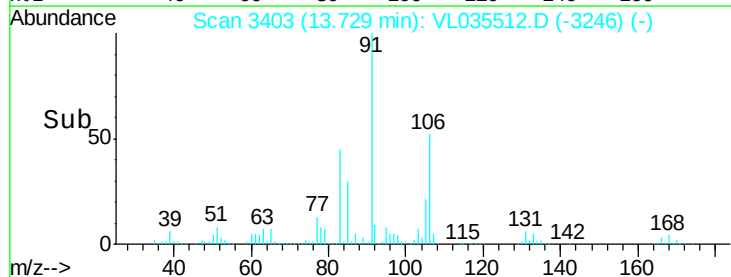
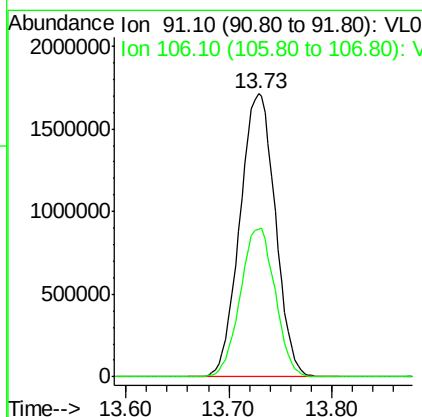
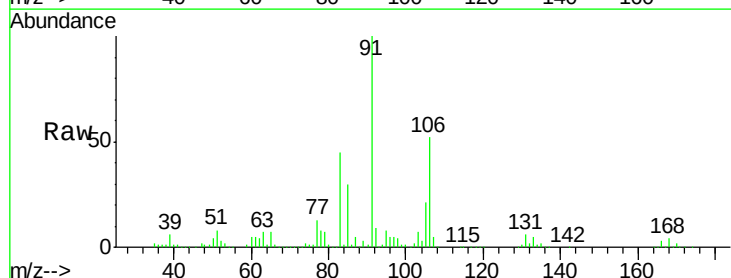
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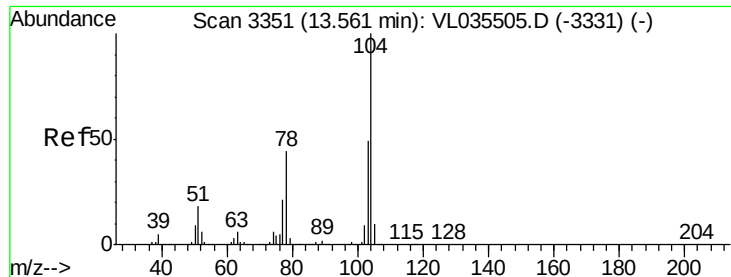
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#60
o-Xylene
Concen: 9.377 ppbv
RT: 13.73 min Scan# 3403
Delta R.T. 0.00 min
Lab File: VL035512.D
Acq: 27 Aug 2020 6:41

Tgt Ion: 91 Resp: 4081346
Ion Ratio Lower Upper
91 100
106 51.6 25.8 77.4





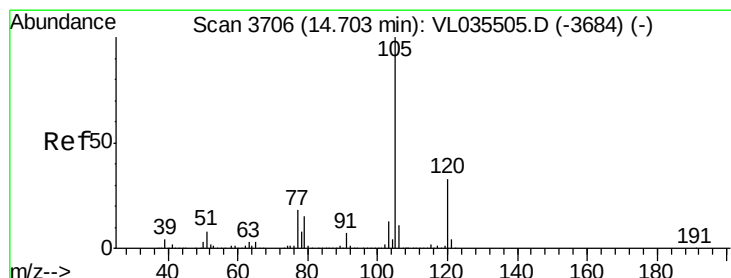
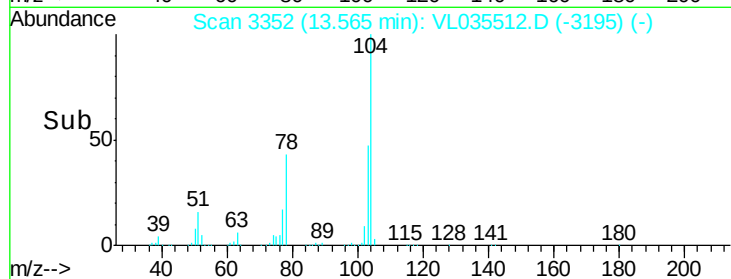
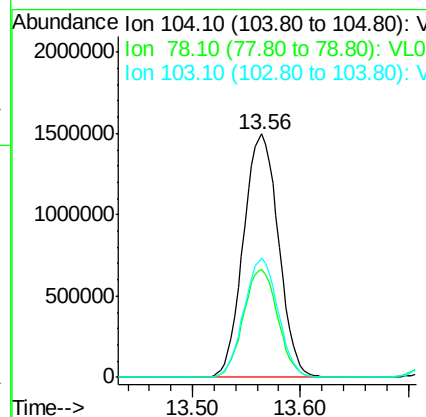
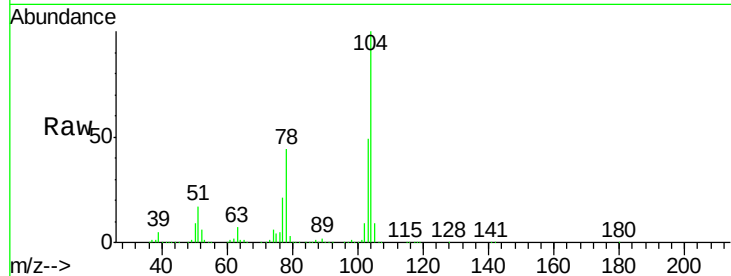
#61
Stvrene
Concen: 10.194 ppbv
RT: 13.56 min Scan# 3352
Delta R.T. 0.00 min
Lab File: VL035512.D
Acq: 27 Aug 2020 6:41

Instrument :
MSVOA_L
ClientSampleId :
ICVVL082720

Tot Ion	Ratio	Lower	Upper
104	100		
78	43.4	34.8	52.2
103	47.4	38.2	57.4

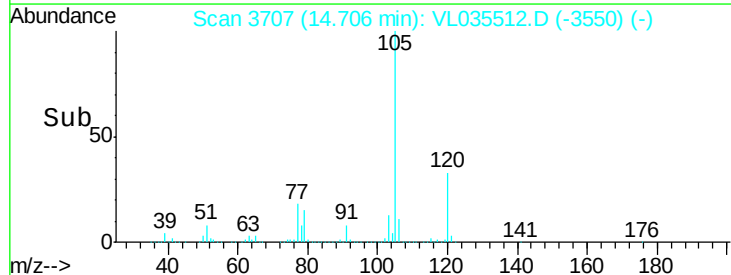
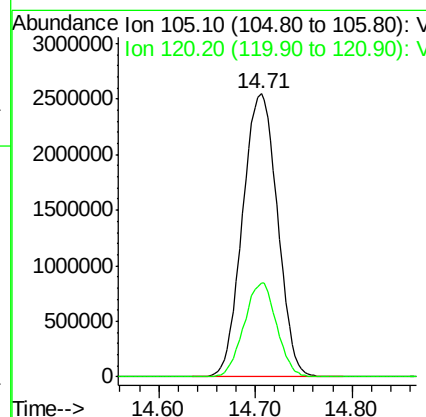
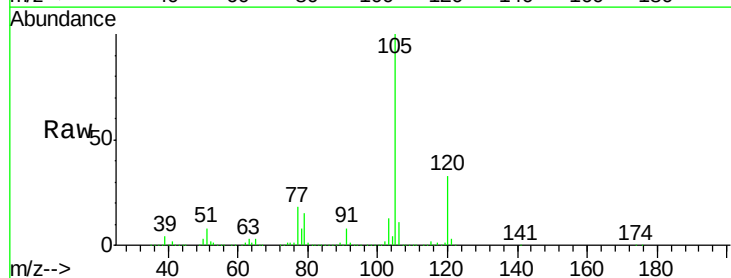
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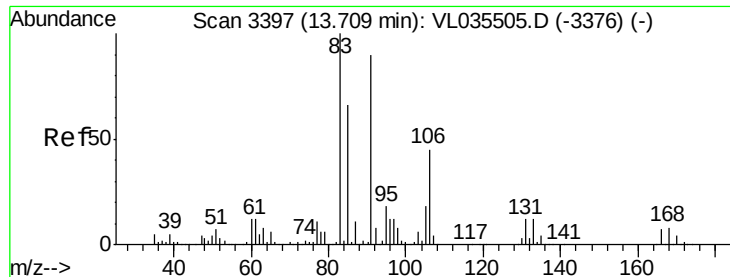
MMDadoda
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#62
Isopropylbenzene
Concen: 9.134 ppbv
RT: 14.71 min Scan# 3707
Delta R.T. 0.00 min
Lab File: VL035512.D
Acq: 27 Aug 2020 6:41

Tgt Ion	Ratio	Lower	Upper
105	100		
120	31.1	25.0	37.4





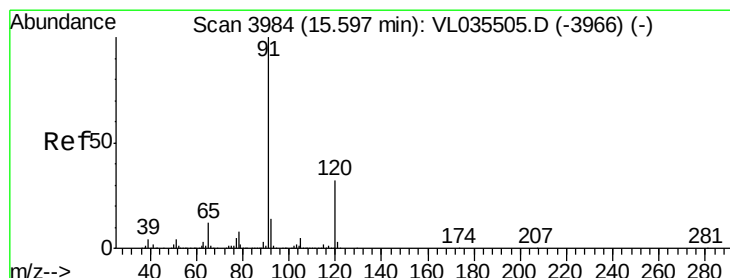
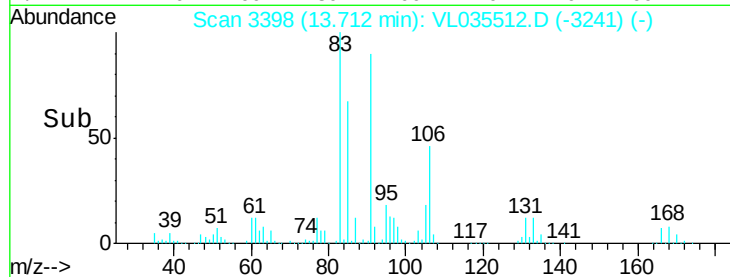
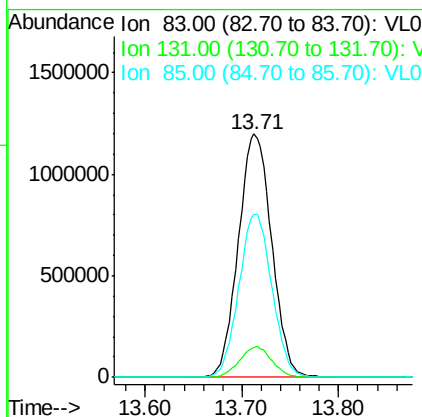
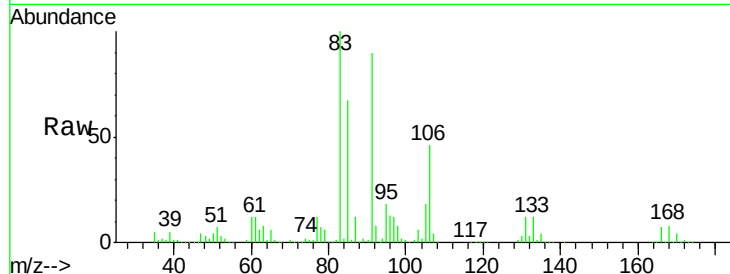
#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.534 ppbv
 RT: 13.71 min Scan# 3398
 Delta R.T. 0.00 min
 Lab File: VL035512.D
 Acq: 27 Aug 2020 6:41

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL082720

Tot Ion: 83 Resp: 2879645
 Ion Ratio Lower Upper
 83 100
 131 12.1 6.0 18.0
 85 66.5 33.4 100.2

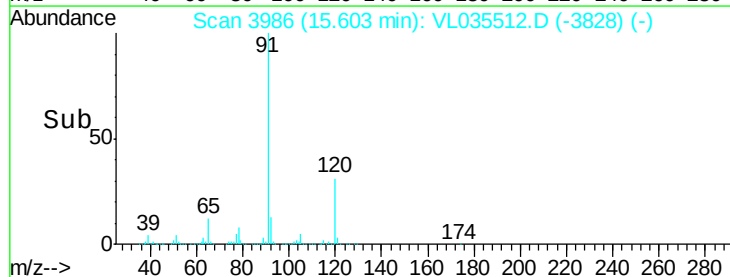
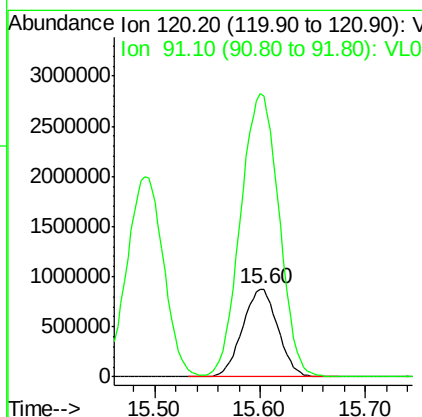
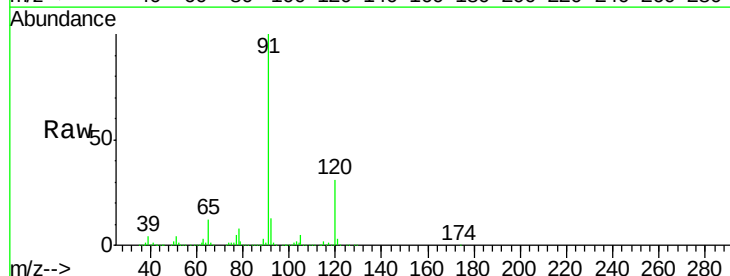
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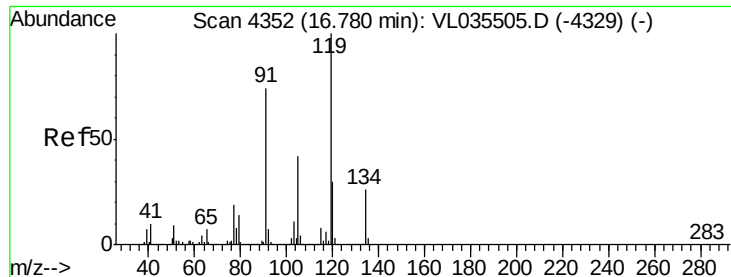
MMDadoda
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#64
 n-propylbenzene
 Concen: 9.600 ppbv
 RT: 15.60 min Scan# 3986
 Delta R.T. 0.01 min
 Lab File: VL035512.D
 Acq: 27 Aug 2020 6:41

Tgt Ion: 120 Resp: 2048261
 Ion Ratio Lower Upper
 120 100
 91 350.0 279.4 419.0





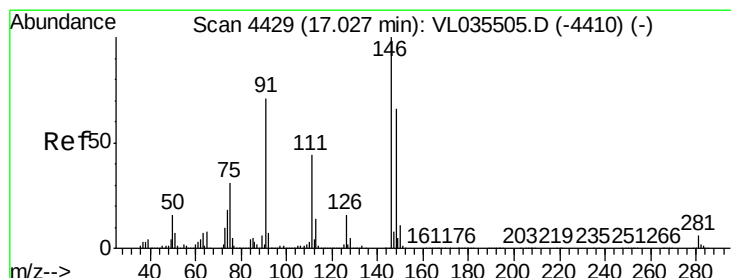
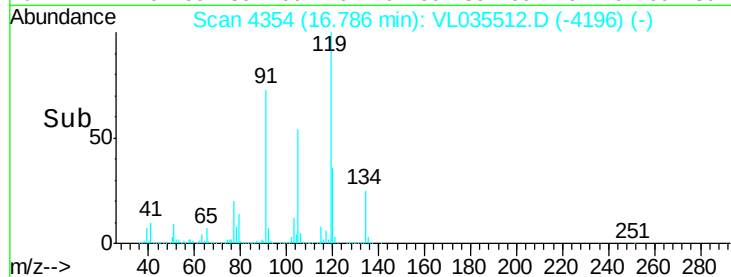
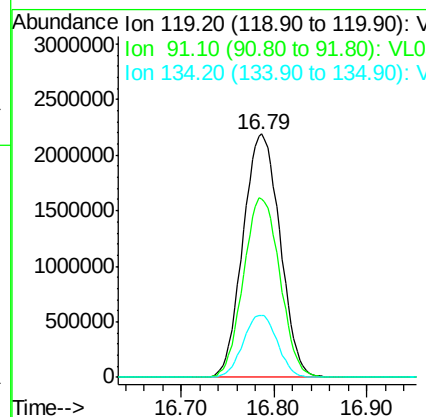
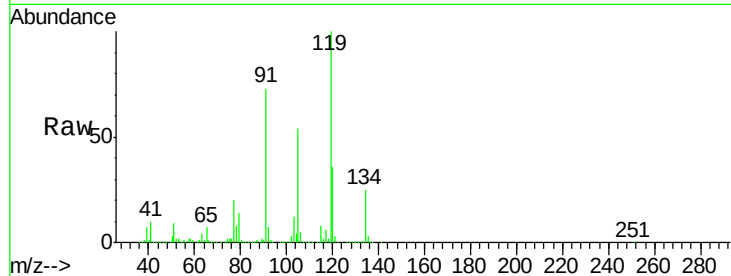
#65
tert-Butylbenzene
Concen: 9.356 ppbv
RT: 16.79 min Scan# 4354
Delta R.T. 0.01 min
Lab File: VL035512.D
Acq: 27 Aug 2020 6:41

Instrument :
MSVOA_L
ClientSampleId :
ICVVL082720

Tot Ion	Ratio	Lower	Upper
119	100		
91	72.7	58.6	87.8
134	23.7	18.9	28.3

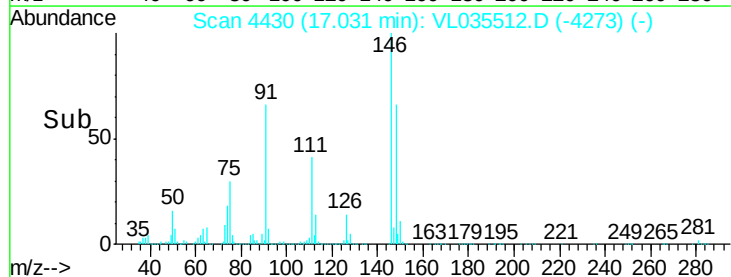
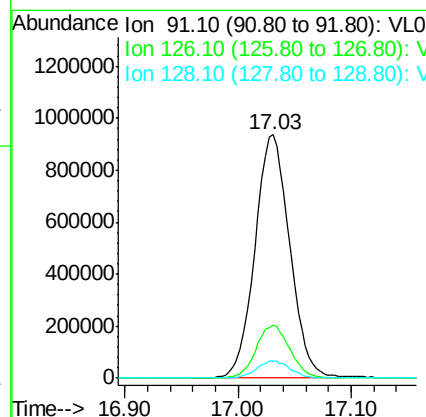
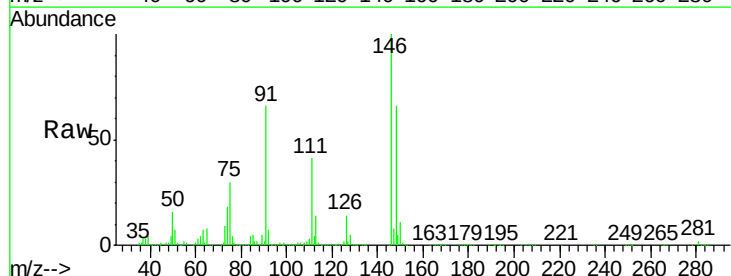
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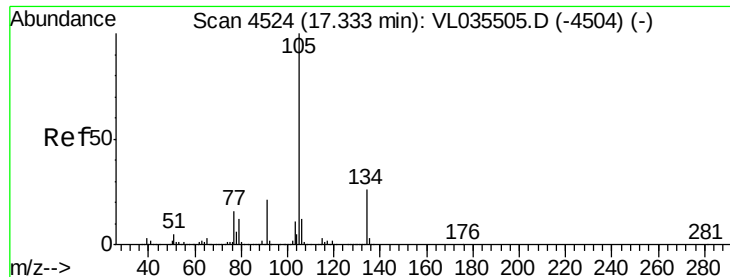
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#66
Benzyl Chloride
Concen: 12.388 ppbv
RT: 17.03 min Scan# 4430
Delta R.T. 0.00 min
Lab File: VL035512.D
Acq: 27 Aug 2020 6:41

Tgt Ion	Ratio	Lower	Upper
91	100		
126	21.2	17.2	25.8
128	6.9	5.5	8.3





#67

sec-Butylbenzene

Concen: 9.101 ppbv

RT: 17.34 min Scan# 4525

Delta R.T. 0.00 min

Lab File: VL035512.D

Acq: 27 Aug 2020 6:41

Instrument :

MSVOA_L

ClientSampleId :

ICVVL082720

Tot Ion:105 Resp: 7879913

Ion Ratio Lower Upper

105 100

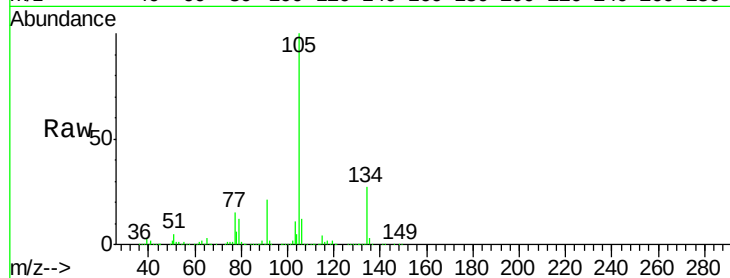
134 23.7 19.1 28.7

Manual Integrations

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

3000000

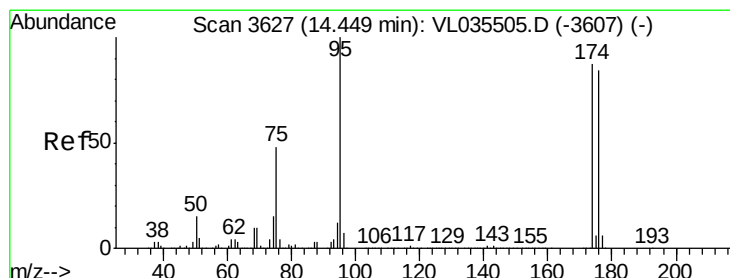
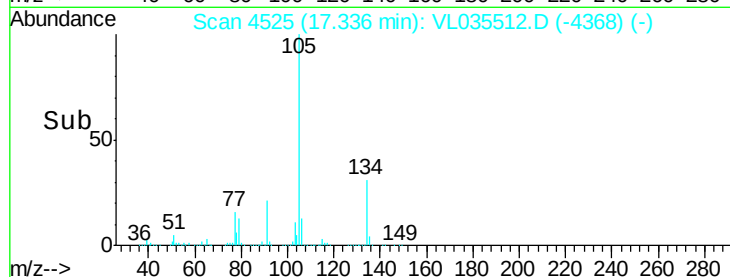
2000000

1000000

0

17.20 17.30 17.40

Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 9.635 ppbv

RT: 14.45 min Scan# 3628

Delta R.T. 0.00 min

Lab File: VL035512.D

Acq: 27 Aug 2020 6:41

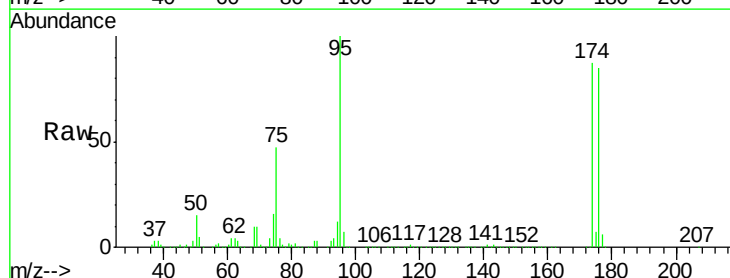
Tgt Ion: 95 Resp: 3431468

Ion Ratio Lower Upper

95 100

174 87.4 69.6 104.4

175 6.5 5.1 7.7



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

2000000

1500000

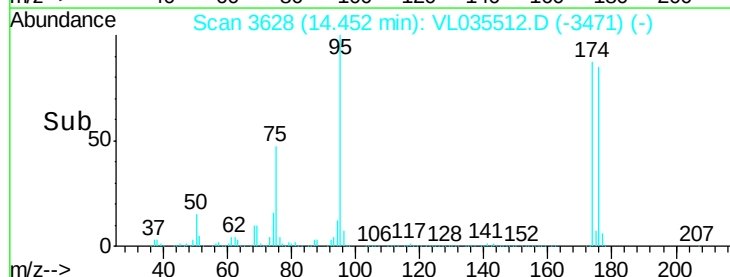
1000000

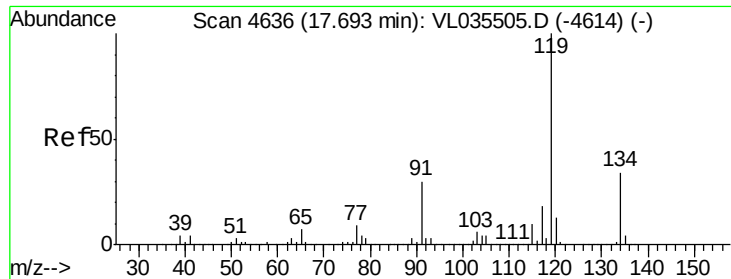
500000

0

14.40 14.50

Time-->





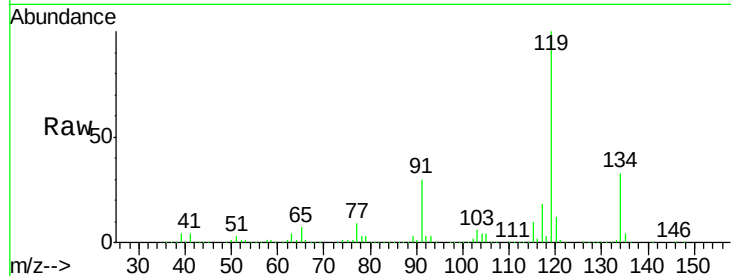
#69
 p-Isopropyltoluene
 Concen: 9.204 ppbv
 RT: 17.69 min Scan# 4636
 Delta R.T. -0.00 min
 Lab File: VL035512.D
 Acq: 27 Aug 2020 6:41

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL082720

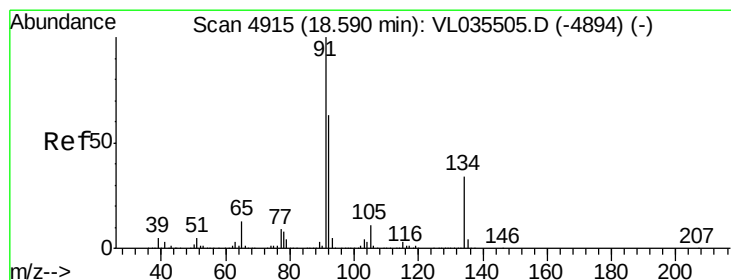
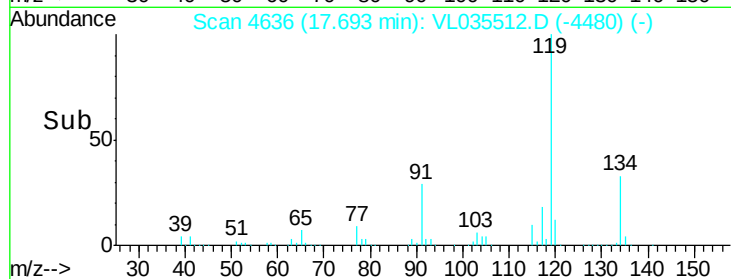
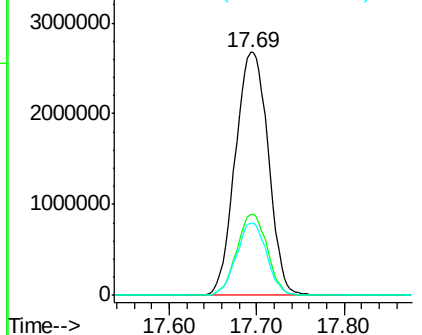
Tot Ion	Ratio	Lower	Upper
119	100		
134	31.0	25.0	37.4
91	27.4	22.3	33.5

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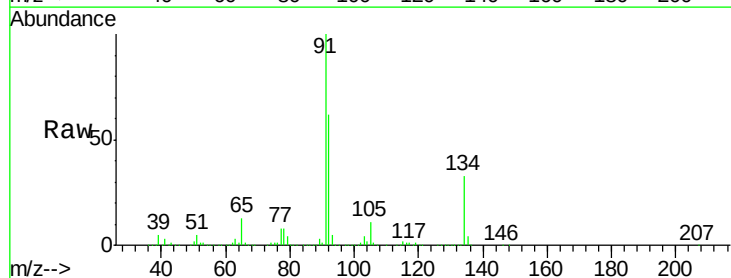


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

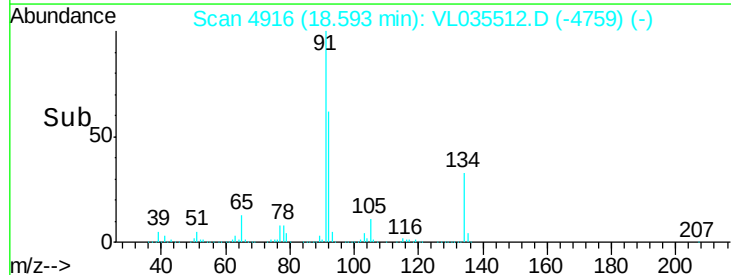
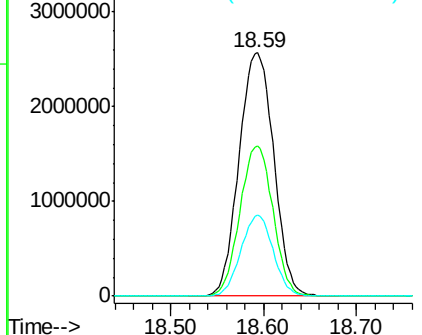


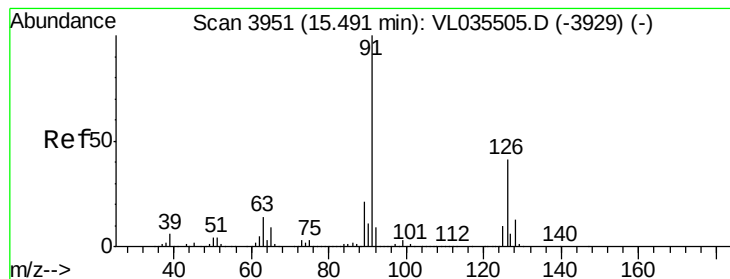
#70
 n-Butylbenzene
 Concen: 9.123 ppbv
 RT: 18.59 min Scan# 4916
 Delta R.T. 0.00 min
 Lab File: VL035512.D
 Acq: 27 Aug 2020 6:41

Tgt Ion	Ratio	Lower	Upper
91	100		
92	58.8	47.3	70.9
134	30.8	24.6	37.0



Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 92.10 (91.80 to 92.80): VL0
 Ion 134.20 (133.90 to 134.90): V





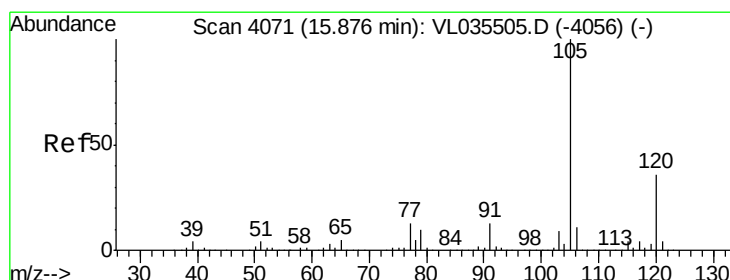
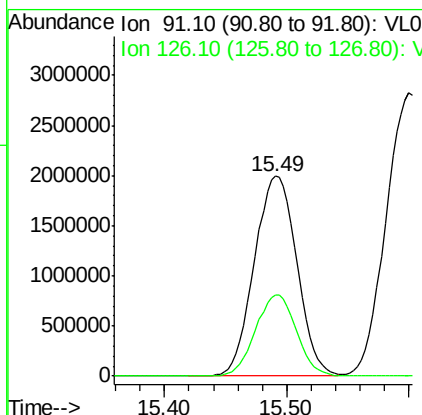
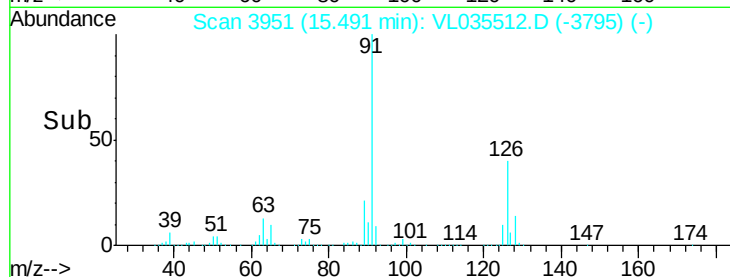
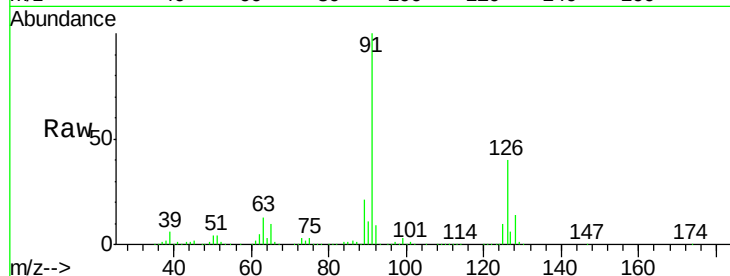
#71
 2-Chlorotoluene
 Concen: 9.480 ppbv
 RT: 15.49 min Scan# 3951
 Delta R.T. -0.00 min
 Lab File: VL035512.D
 Acq: 27 Aug 2020 6:41

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL082720

Tot Ion: 91 Resp: 4826690
 Ion Ratio Lower Upper
 91 100
 126 39.1 15.6 62.6

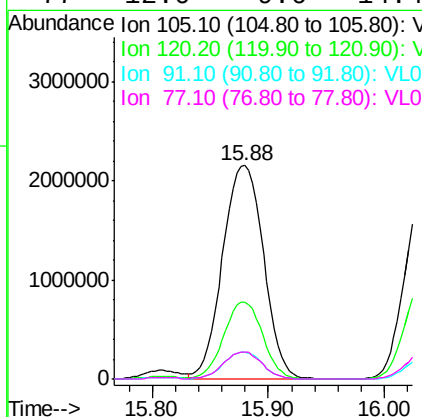
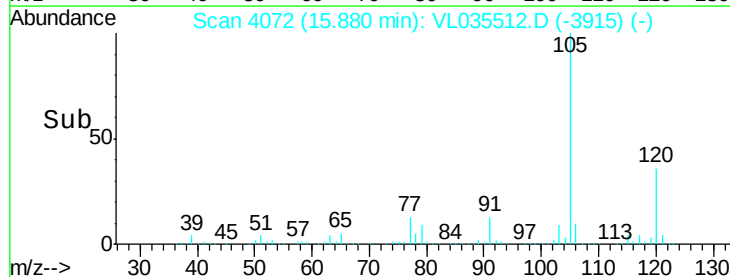
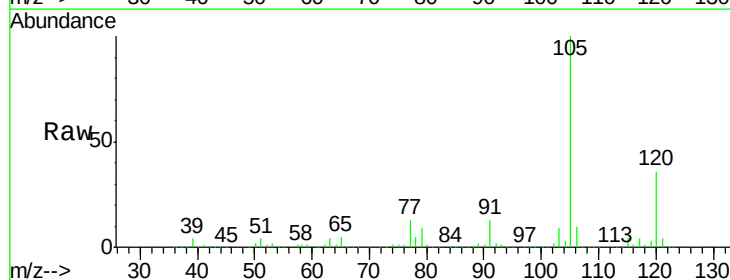
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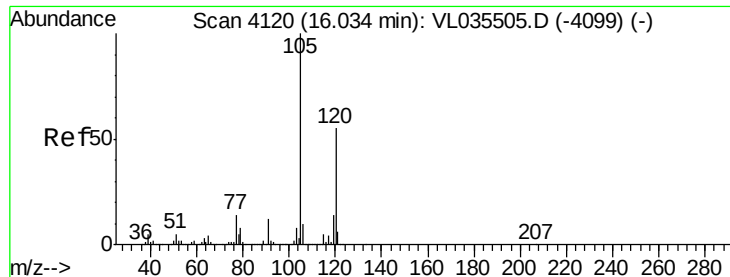
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#72
 4-Ethyltoluene
 Concen: 9.524 ppbv
 RT: 15.88 min Scan# 4072
 Delta R.T. 0.00 min
 Lab File: VL035512.D
 Acq: 27 Aug 2020 6:41

Tgt Ion: 105 Resp: 5269715
 Ion Ratio Lower Upper
 105 100
 120 34.5 27.4 41.2
 91 12.0 9.7 14.5
 77 12.0 9.6 14.4





#73

1,3,5-Trimethylbenzene

Concen: 9.590 ppbv

RT: 16.04 min Scan# 4121

Delta R.T. 0.00 min

Lab File: VL035512.D

Acq: 27 Aug 2020 6:41

Instrument :

MSVOA_L

ClientSampleId :

ICVVL082720

Tot Ion:105 Resp: 4908006

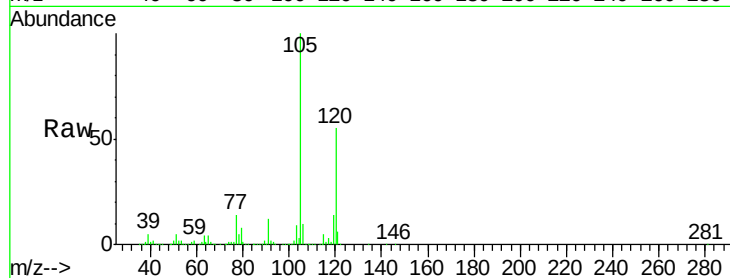
Ion Ratio Lower Upper

105 100

120 54.7 44.2 66.2

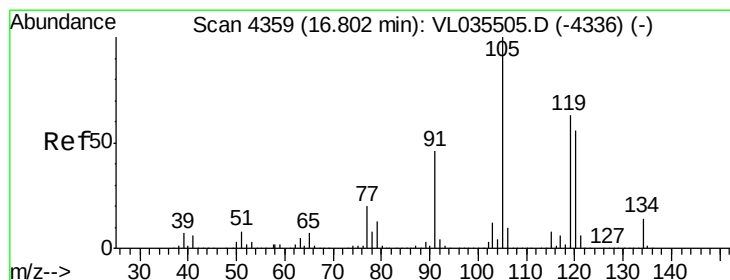
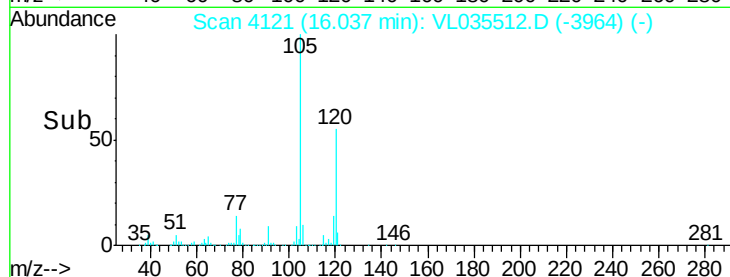
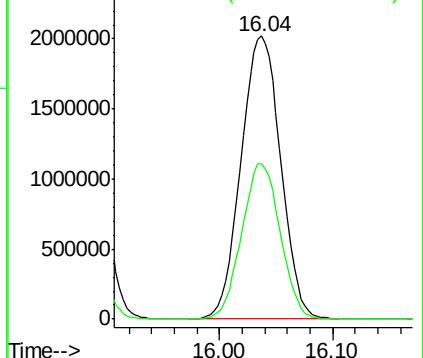
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 9.046 ppbv

RT: 16.81 min Scan# 4360

Delta R.T. 0.00 min

Lab File: VL035512.D

Acq: 27 Aug 2020 6:41

Tgt Ion:105 Resp: 5083913

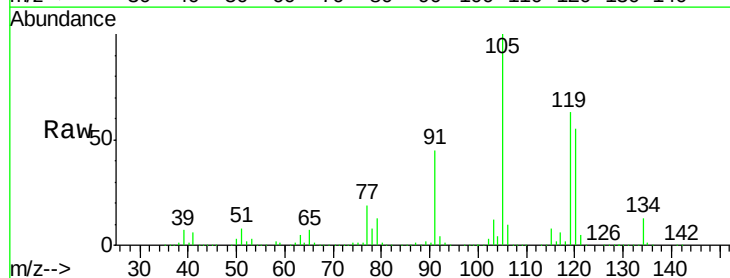
Ion Ratio Lower Upper

105 100

120 55.2 44.4 66.6

91 44.7 37.1 55.7

77 18.9 16.0 24.0

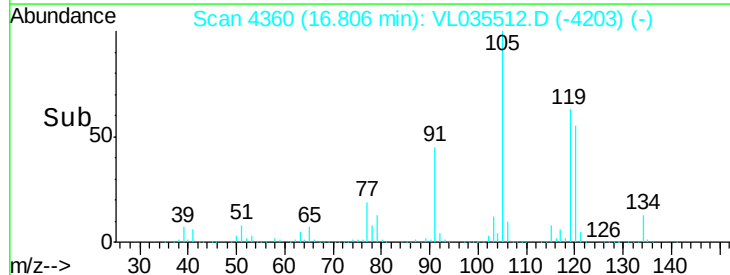
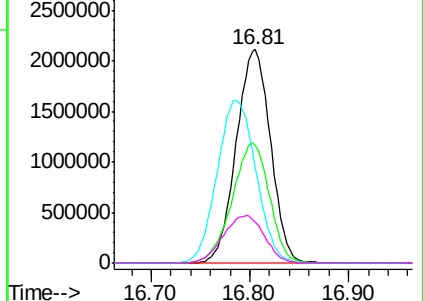


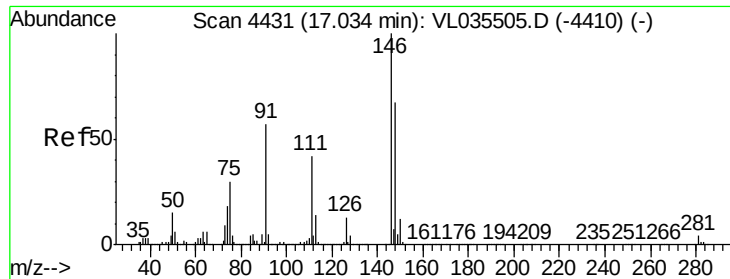
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): V

Ion 77.10 (76.80 to 77.80): V





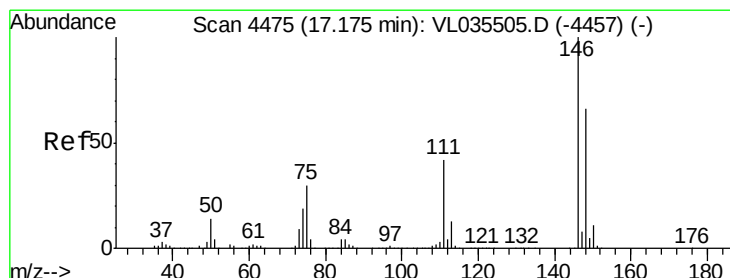
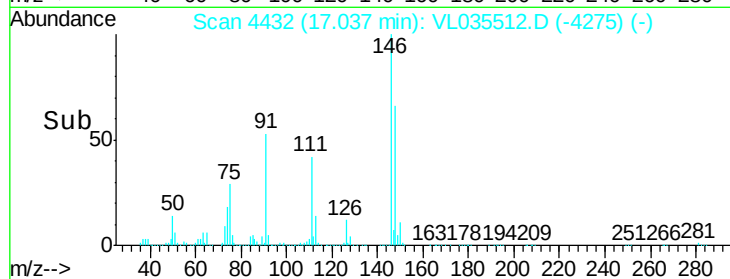
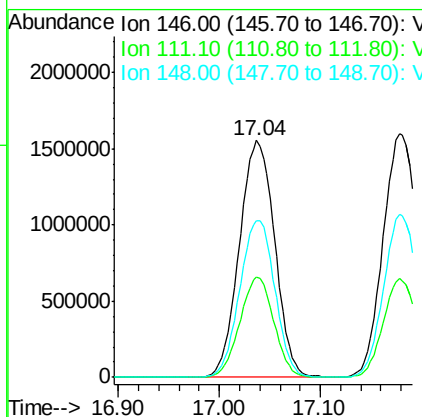
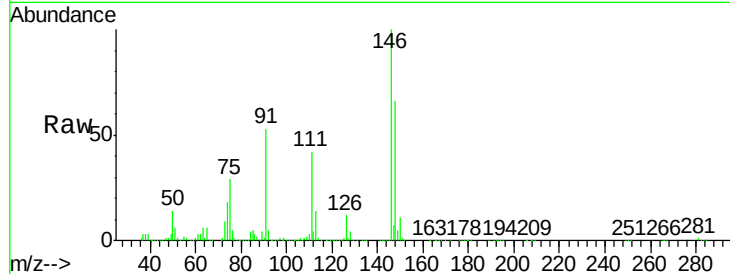
#75
 1,3-Dichlorobenzene
 Concen: 9.067 ppbv
 RT: 17.04 min Scan# 4432
 Delta R.T. 0.00 min
 Lab File: VL035512.D
 Acq: 27 Aug 2020 6:41

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL082720

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.7	62.1
148	66.0	33.0	98.9

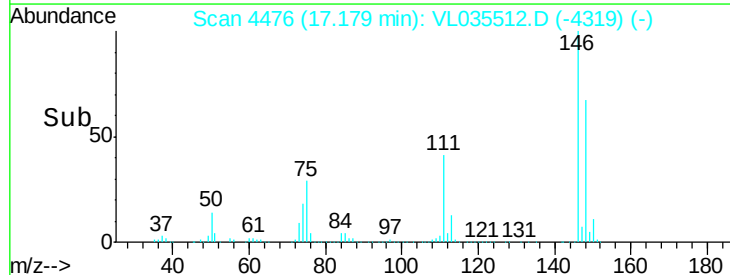
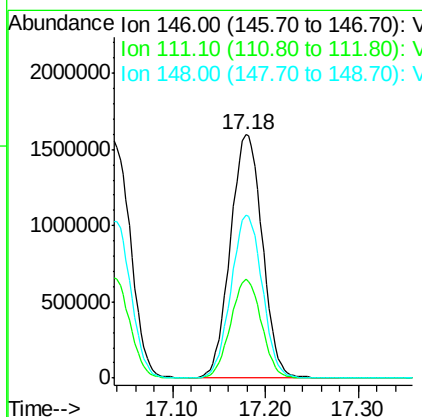
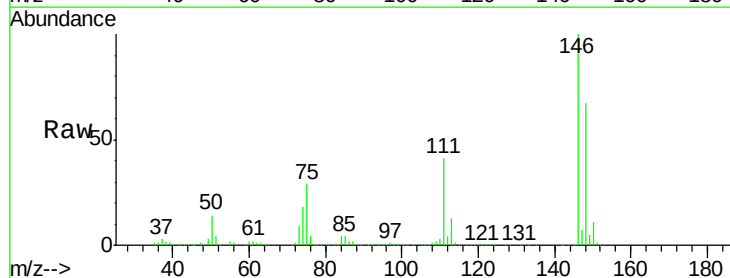
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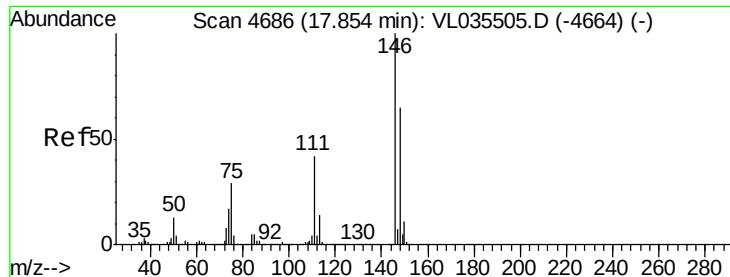
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#76
 1,4-Dichlorobenzene
 Concen: 9.286 ppbv
 RT: 17.18 min Scan# 4476
 Delta R.T. 0.00 min
 Lab File: VL035512.D
 Acq: 27 Aug 2020 6:41

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.4	20.0	60.0
148	65.8	33.2	99.6





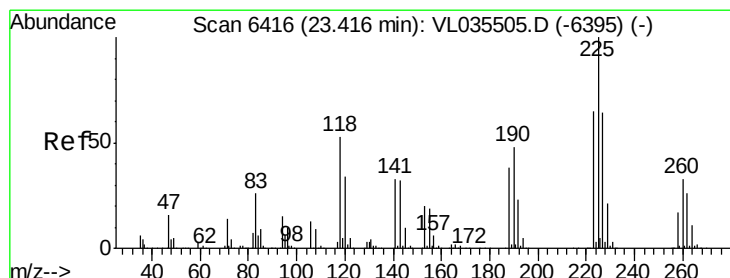
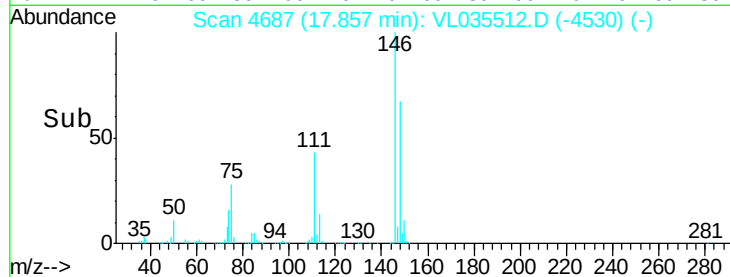
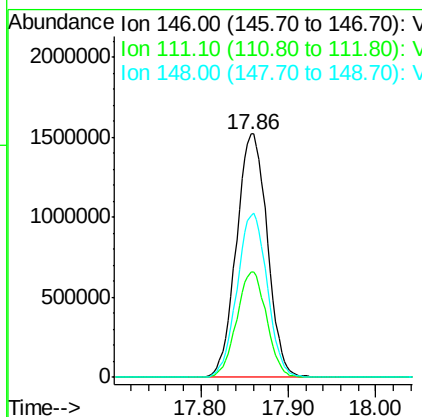
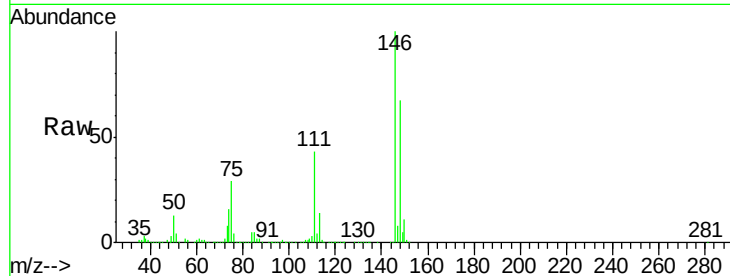
#77
 1,2-Dichlorobenzene
 Concen: 9.236 ppbv
 RT: 17.86 min Scan# 4687
 Delta R.T. 0.00 min
 Lab File: VL035512.D
 Acq: 27 Aug 2020 6:41

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL082720

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.1	63.3
148	65.8	32.9	98.7

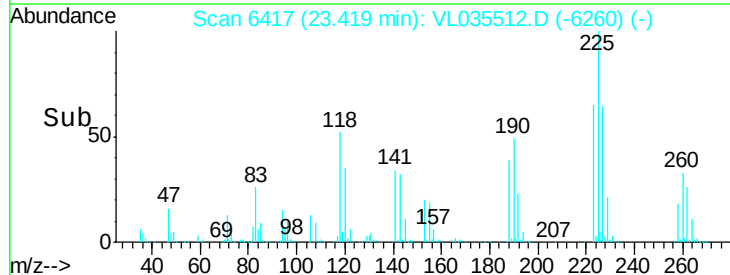
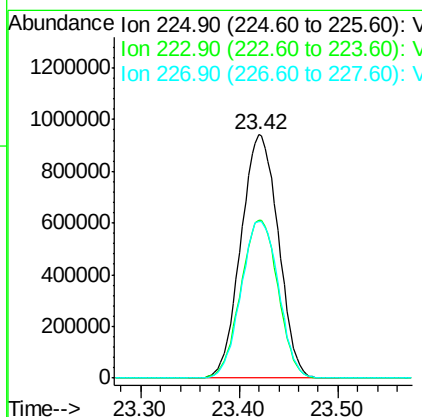
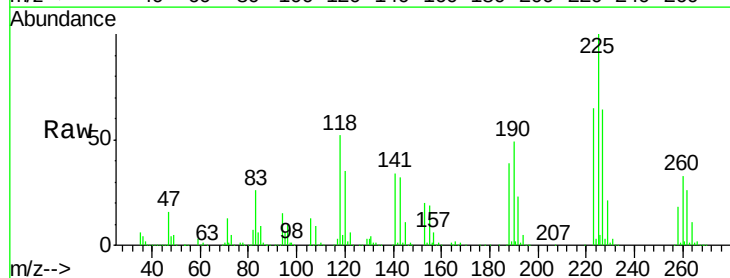
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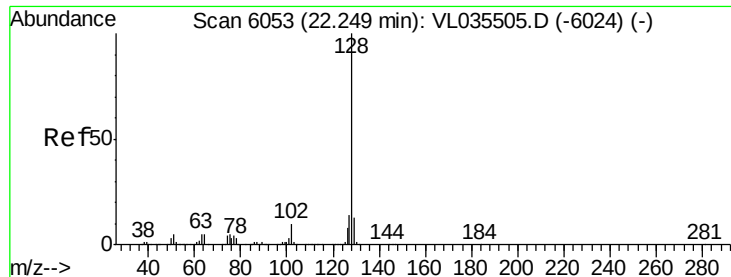
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#78
 Hexachloro-1,3-Butadiene
 Concen: 9.572 ppbv
 RT: 23.42 min Scan# 6417
 Delta R.T. 0.00 min
 Lab File: VL035512.D
 Acq: 27 Aug 2020 6:41

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.6	51.7	77.5
227	64.7	51.5	77.3





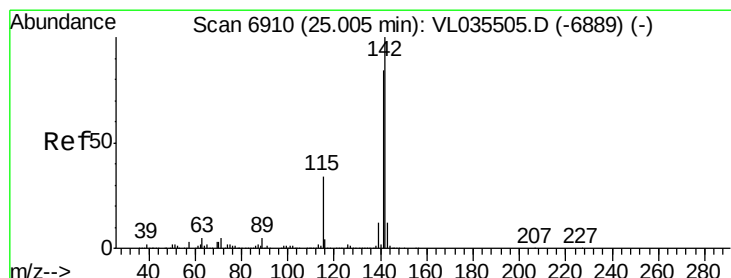
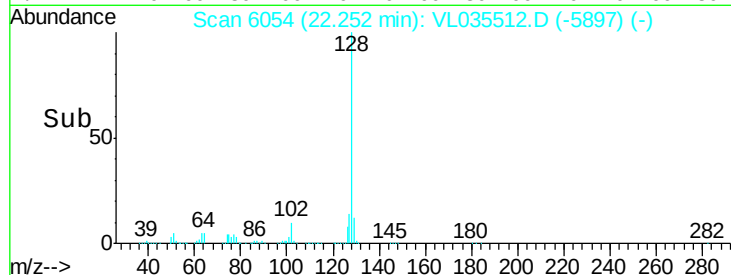
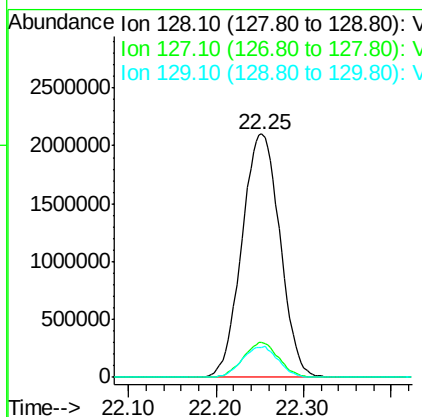
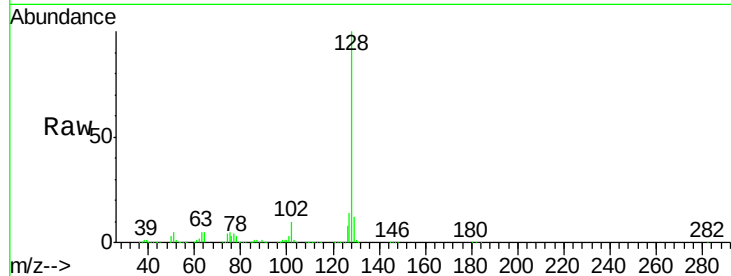
#79
Naphthalene
Concen: 10.164 ppbv
RT: 22.25 min Scan# 6054
Delta R.T. 0.00 min
Lab File: VL035512.D
Acq: 27 Aug 2020 6:41

Instrument :
MSVOA_L
ClientSampleId :
ICVVL082720

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.3	11.4	17.2
129	12.4	10.5	15.7

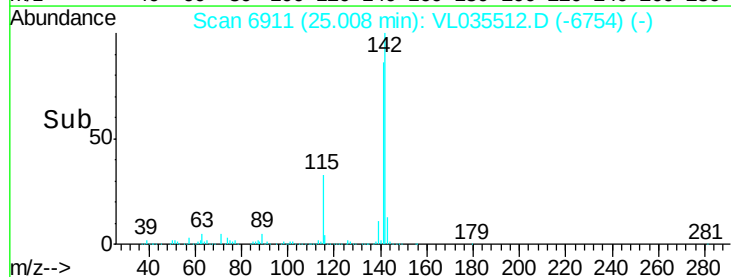
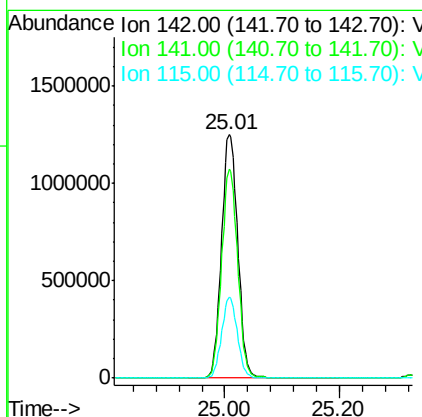
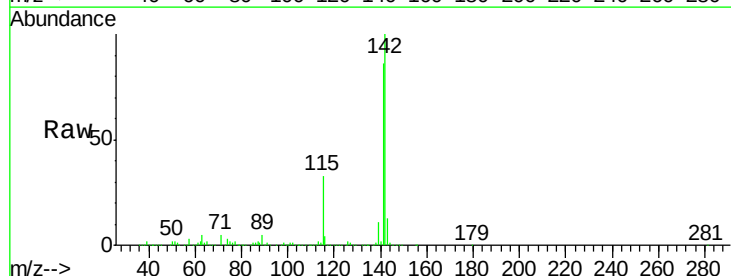
Manual Integrations
APPROVED

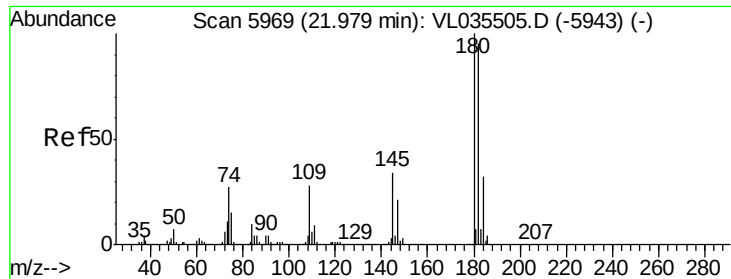
MMDadoda
8/28/2020 3:17:42 PM



#80
Naphthalene, 2-methyl-
Concen: 11.613 ppbv
RT: 25.01 min Scan# 6911
Delta R.T. 0.00 min
Lab File: VL035512.D
Acq: 27 Aug 2020 6:41

Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.7	67.6	101.4
115	32.0	25.8	38.8





#81
 1,2,4-Trichlorobenzene
 Concen: 9.873 ppbv
 RT: 21.98 min Scan# 5969
 Delta R.T. -0.00 min
 Lab File: VL035512.D
 Acq: 27 Aug 2020 6:41

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVV082720

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.3	114.5
184	31.5	25.3	37.9

Manual Integrations
 APPROVED

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 8/28/2020 3:17:42 PM

