

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090320\
 Data File : VL035527.D
 Acq On : 3 Sep 2020 11:40
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 9/8/2020 4:05:39 PM

Quant Time: Sep 04 06:54:49 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	1084545	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	4791200	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	4961991m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	3537316	10.04	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.40%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	1770038	9.418	ppbv 99
3) Chlorodifluoromethane	2.99	51	1231522	10.267	ppbv 99
4) Chloromethane	3.14	50	669121	10.412	ppbv 98
5) Vinyl Chloride	3.26	62	790949	9.983	ppbv 99
6) Bromomethane	3.48	94	698327	10.494	ppbv 98
7) Chloroethane	3.56	64	303019	10.818	ppbv 98
8) Dichlorotetrafluoroethane	3.19	85	2267828	9.963	ppbv 98
9) Propene	3.01	41	484669	10.481	ppbv 99
10) Heptane	8.15	43	1300679	10.472	ppbv 100
11) Trichlorofluoromethane	3.96	101	2663804	9.719	ppbv 100
12) 1,1,2-Trichlorotrifluoroet	4.49	101	2058282	9.949	ppbv 97
13) Ethanol	3.61	45	116403	10.153	ppbv 98
14) Bromoethene	3.74	108	968923	10.881	ppbv 99
15) Acetone	3.86	43	1055582	8.825	ppbv 100
16) 1,3-Butadiene	3.33	39	477985	10.735	ppbv 99
17) tert-Butyl alcohol	4.30	59	1659909	11.400	ppbv 100
18) 1,1-Dichloroethene	4.30	96	964452	10.587	ppbv 99
19) Isopropyl Alcohol	3.98	45	799783	11.208	ppbv # 98
20) Methylene Chloride	4.35	84	851371	9.556	ppbv 99
21) Allyl Chloride	4.42	41	650866	11.614	ppbv 99
22) trans-1,2-Dichloroethene	4.90	96	1010636	10.421	ppbv 97
23) Vinyl Acetate	5.09	43	1677310	10.925	ppbv 99
24) 1,1-Dichloroethane	5.02	63	1652613	10.460	ppbv 100
25) Ethyl Acetate	5.69	43	2158409	10.214	ppbv 100
26) Hexane	5.71	57	1239176	10.350	ppbv 99
27) Carbon Disulfide	4.56	76	2066827	12.029	ppbv 99
28) Methyl tert-Butyl Ether	5.05	73	2317339	11.105	ppbv 100
29) Chloroform	5.77	83	2501918	10.256	ppbv 99
30) Cyclohexane	7.15	84	1426924	11.125	ppbv 100
31) cis-1,2-Dichloroethene	5.56	61	1338672	10.898	ppbv 98
32) 1,1,1-Trichloroethane	6.53	97	2508368	10.599	ppbv 100
34) 2-Butanone	5.26	43	1480450	10.412	ppbv 99
35) Carbon Tetrachloride	7.04	117	2608408	10.832	ppbv 100
36) Benzene	6.92	78	3268478	10.539	ppbv 99
37) 1,2-Dichloroethane	6.33	62	1532794	10.366	ppbv 99
38) Trichloroethene	7.86	130	1716292	9.527	ppbv 98
39) 1,2-Dichloropropane	7.64	63	1093177	10.434	ppbv 99
40) 1,4-Dioxane	7.85	88	576327	11.012	ppbv 96
41) Tetrahydrofuran	6.07	42	848600	11.255	ppbv 99
42) Bromodichloromethane	7.82	83	2654516	11.102	ppbv 99
43) Methyl Methacrylate	8.04	69	1346572	11.229	ppbv 99

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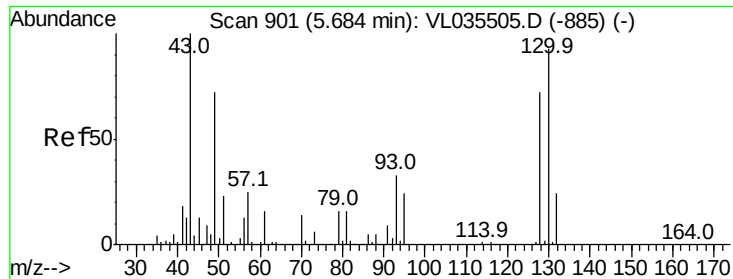
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	4135014	10.133	ppbv	100
45) t-1,3-Dichloropropene	9.31	75	1538154	12.661	ppbv	99
46) cis-1,3-Dichloropropene	8.73	75	1837153	12.180	ppbv	97
47) 1,1,2-Trichloroethane	9.50	97	1611399	10.423	ppbv	99
48) Dibromochloromethane	10.34	129	2781626	11.432	ppbv	99
49) Bromoform	13.08	173	2644043	11.991	ppbv	100
50) 4-Methyl-2-Pentanone	8.77	43	2204263	10.706	ppbv	99
51) 2-Hexanone	10.16	43	1895844	11.225	ppbv	99
52) Tetrachloroethene	11.26	164	1738042	9.593	ppbv	99
53) Toluene	9.83	91	4141295	10.618	ppbv	99
54) 1,2-Dibromoethane	10.64	107	2570108	10.521	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.16	131	2178879	10.792	ppbv	98
57) Chlorobenzene	12.18	112	3553966	9.732	ppbv	100
58) Ethyl Benzene	12.75	91	5372071	10.499	ppbv	100
59) m/p-Xylene	13.03	91	8648644m	20.228	ppbv	
60) o-Xylene	13.73	91	4403006	10.225	ppbv	100
61) Styrene	13.56	104	3669658	11.142	ppbv	100
62) Isopropylbenzene	14.71	105	6788206	9.813	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.72	83	3161806	9.470	ppbv	99
64) n-propylbenzene	15.60	120	2185832	10.355	ppbv	99
65) tert-Butylbenzene	16.79	119	6444877	10.023	ppbv	99
66) Benzyl Chloride	17.03	91	2267250	14.187	ppbv	100
67) sec-Butylbenzene	17.34	105	8298582	9.687	ppbv	100
69) p-Isopropyltoluene	17.70	119	7329818	9.754	ppbv	99
70) n-Butylbenzene	18.59	91	7127086	9.846	ppbv	100
71) 2-Chlorotoluene	15.49	91	5171609	10.266	ppbv	100
72) 4-Ethyltoluene	15.88	105	5606729	10.241	ppbv	100
73) 1,3,5-Trimethylbenzene	16.04	105	5234041	10.337	ppbv	99
74) 1,2,4-Trimethylbenzene	16.81	105	5445865	9.794	ppbv	98
75) 1,3-Dichlorobenzene	17.04	146	3953380	9.598	ppbv	100
76) 1,4-Dichlorobenzene	17.18	146	3968940	9.770	ppbv	100
77) 1,2-Dichlorobenzene	17.86	146	3907866	9.793	ppbv	99
78) Hexachloro-1,3-Butadiene	23.42	225	2490092	9.774	ppbv	100
79) Naphthalene	22.25	128	6640362	10.762	ppbv	100
80) Naphthalene, 2-methyl-	25.01	142	2625258	12.466	ppbv	100
81) 1,2,4-Trichlorobenzene	21.98	180	3816174	10.328	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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VSTDCCC010

Tot Ion: 49 Resp: 1084545

Ion Ratio Lower Upper

49 100

128 98.3 50.0 150.1

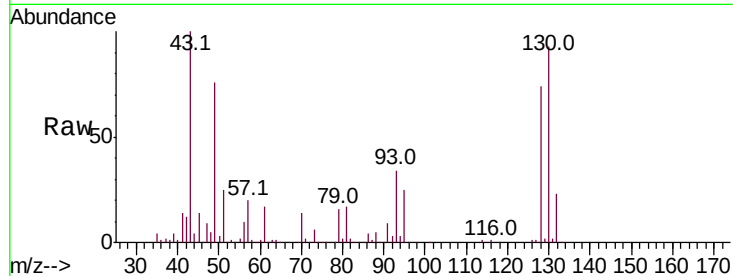
130 126.1 64.4 193.2

Manual Integrations

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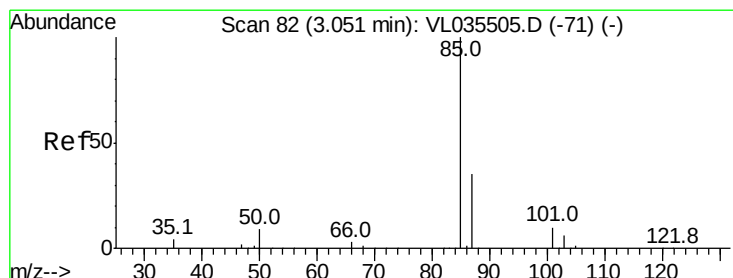
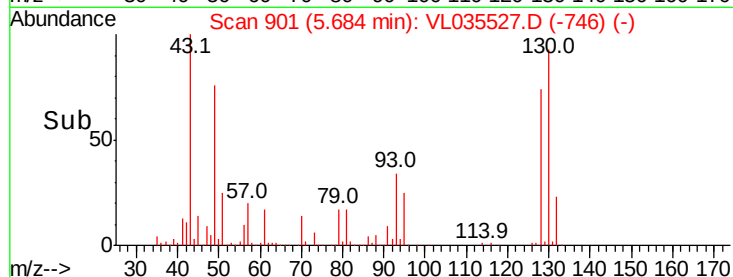
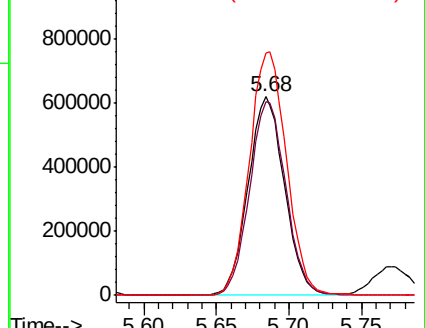
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 9.418 ppbv

RT: 3.05 min Scan# 82

Delta R.T. -0.00 min

Lab File: VL035527.D

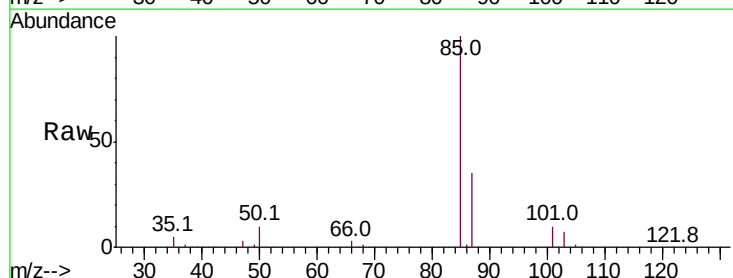
Acq: 3 Sep 2020 11:40

Tgt Ion: 85 Resp: 1770038

Ion Ratio Lower Upper

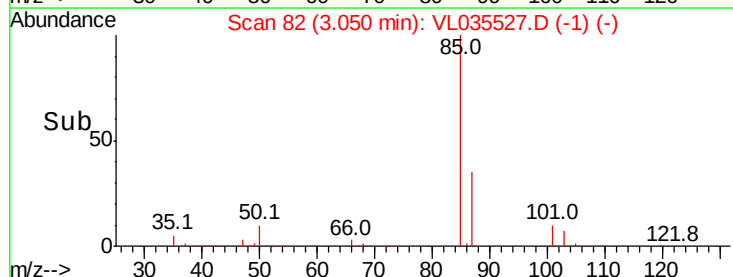
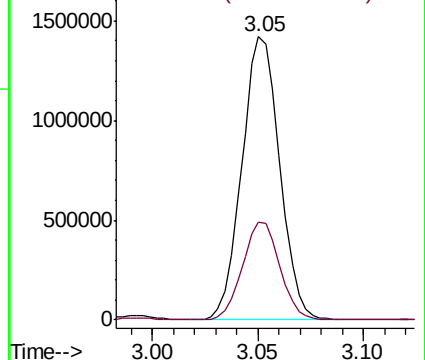
85 100

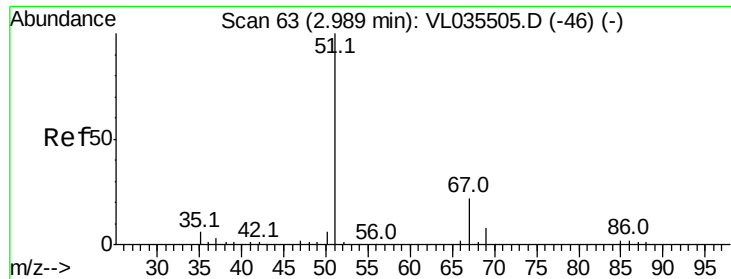
87 34.6 28.0 42.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





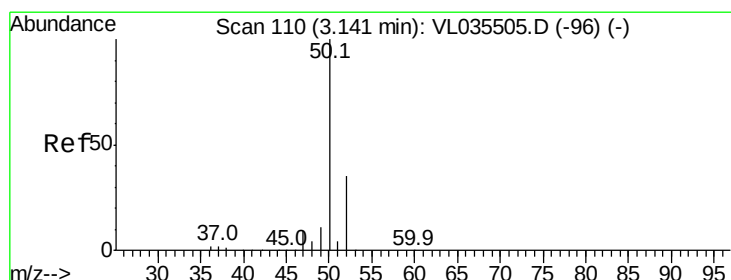
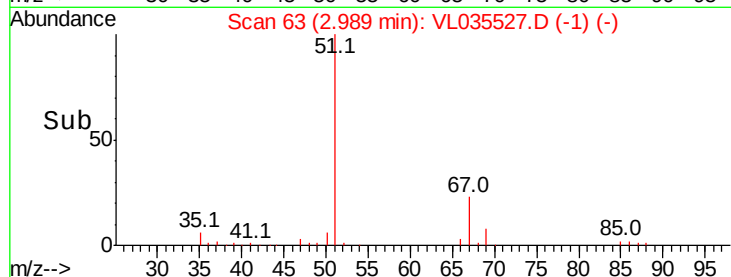
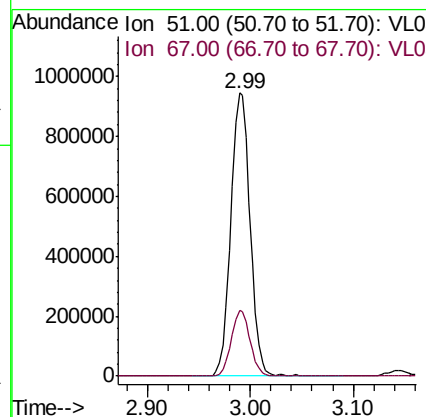
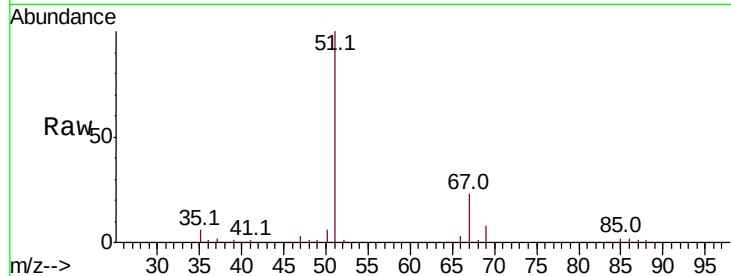
#3
Chlorodifluoromethane
Concen: 10.267 ppbv
RT: 2.99 min Scan# 63
Delta R.T. -0.00 min
Lab File: VL035527.D
Acq: 3 Sep 2020 11:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 51 Resp: 1231522
Ion Ratio Lower Upper
51 100
67 22.5 17.8 26.8

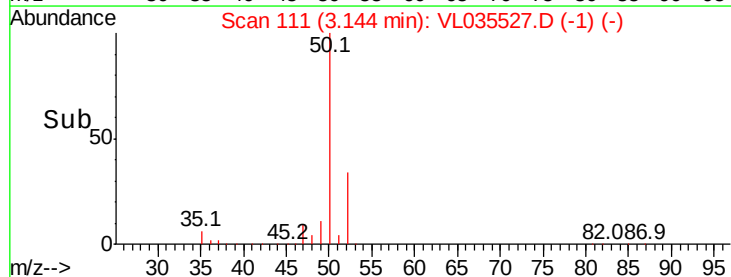
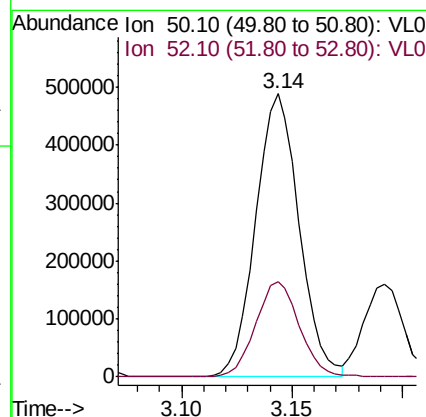
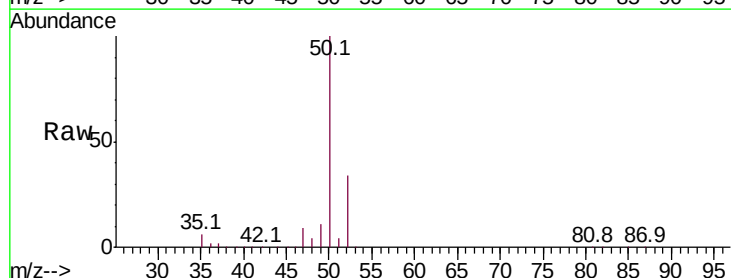
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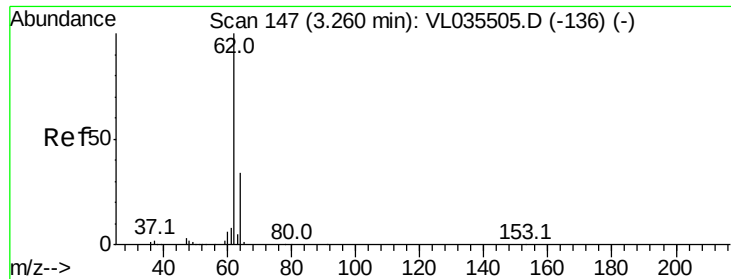
MMDadoda
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#4
Chloromethane
Concen: 10.412 ppbv
RT: 3.14 min Scan# 111
Delta R.T. 0.00 min
Lab File: VL035527.D
Acq: 3 Sep 2020 11:40

Tgt Ion: 50 Resp: 669121
Ion Ratio Lower Upper
50 100
52 33.7 27.7 41.5





#5

Vinyl Chloride

Concen: 9.983 ppbv

RT: 3.26 min Scan# 148

Delta R.T. 0.00 min

Lab File: VL035527.D

Acq: 3 Sep 2020 11:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 62 Resp: 790949

Ion Ratio Lower Upper

62 100

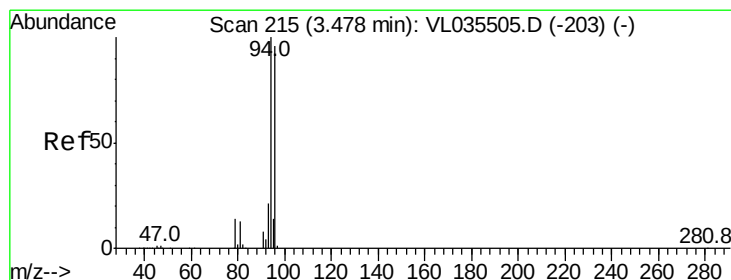
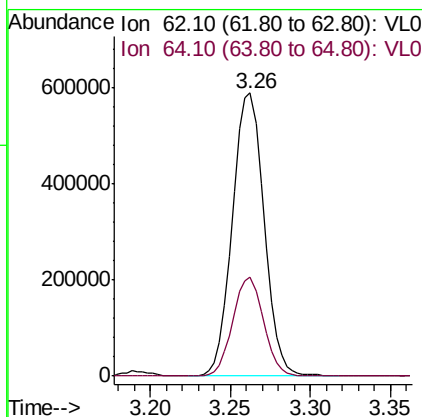
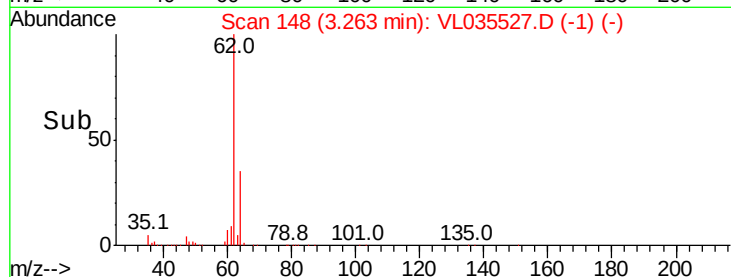
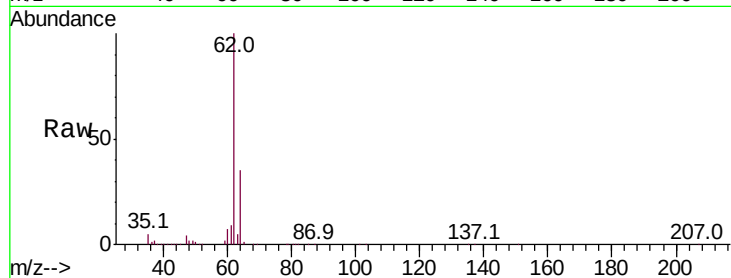
64 34.8 27.4 41.2

Manual Integrations

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#6

Bromomethane

Concen: 10.494 ppbv

RT: 3.48 min Scan# 215

Delta R.T. -0.00 min

Lab File: VL035527.D

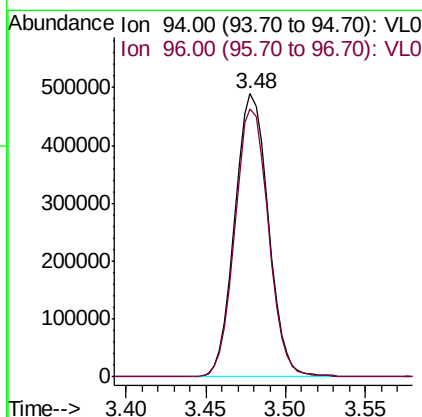
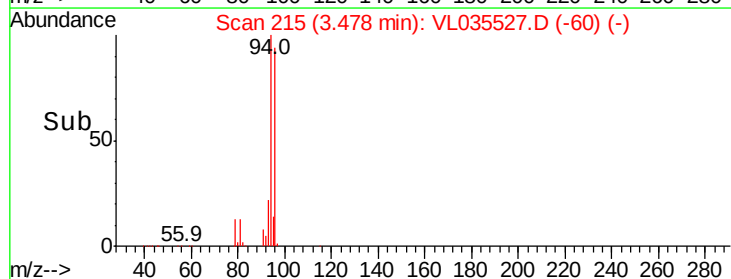
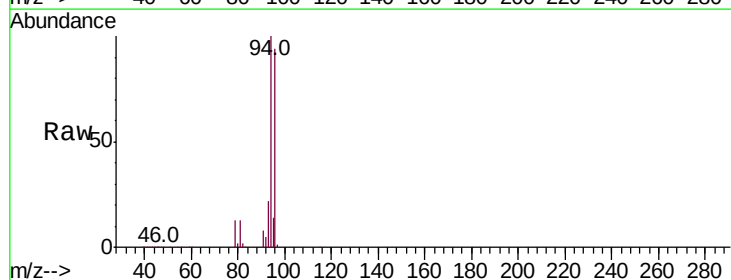
Acq: 3 Sep 2020 11:40

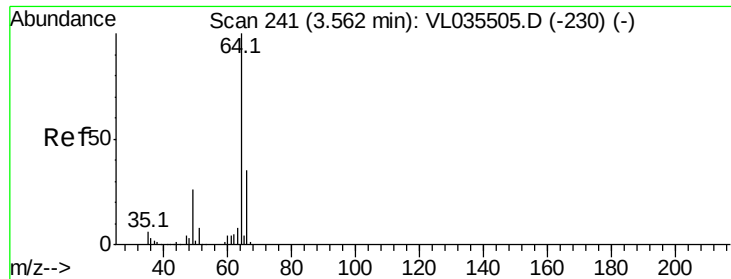
Tgt Ion: 94 Resp: 698327

Ion Ratio Lower Upper

94 100

96 94.5 77.1 115.7





#7

Chloroethane

Concen: 10.818 ppbv

RT: 3.56 min Scan# 241

Delta R.T. -0.00 min

Lab File: VL035527.D

Acq: 3 Sep 2020 11:40

Instrument :

MSVOA_L

ClientSampleId :

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Tot Ion: 64 Resp: 303019

Ion Ratio Lower Upper

64 100

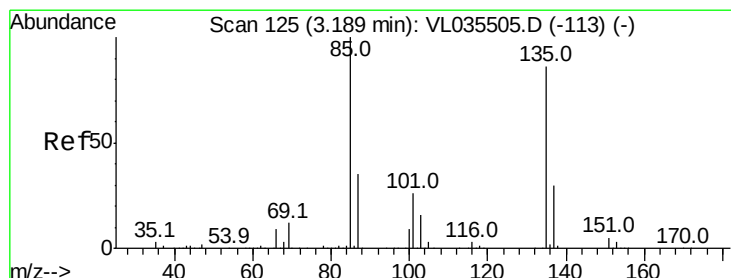
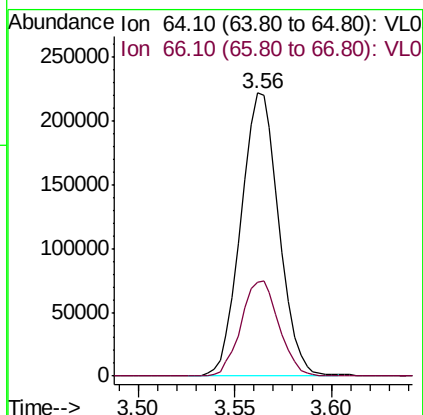
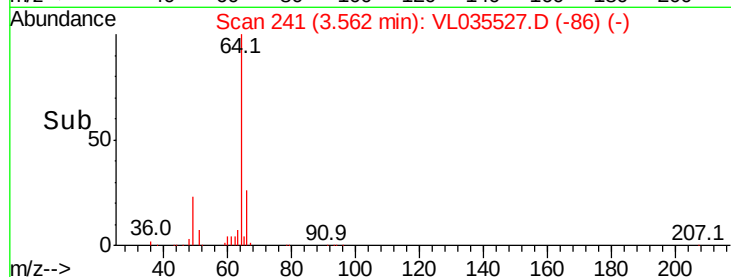
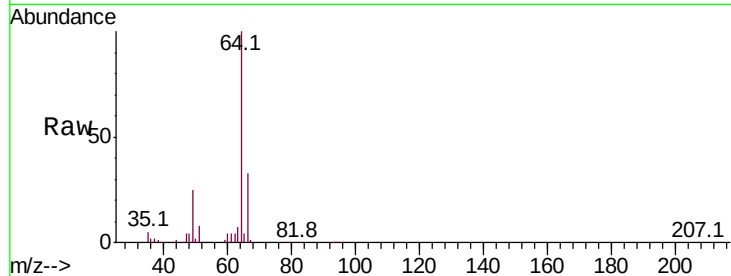
66 33.2 27.7 41.5

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 9.963 ppbv

RT: 3.19 min Scan# 126

Delta R.T. 0.00 min

Lab File: VL035527.D

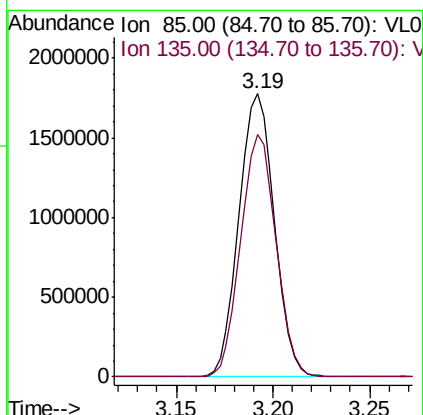
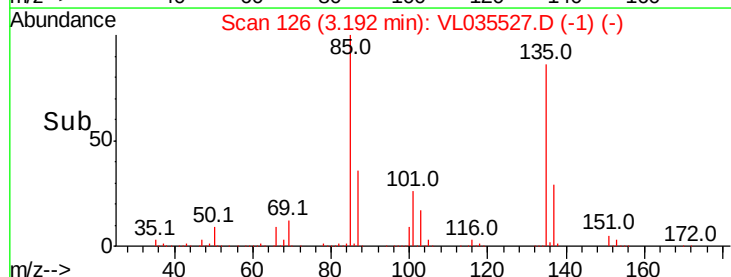
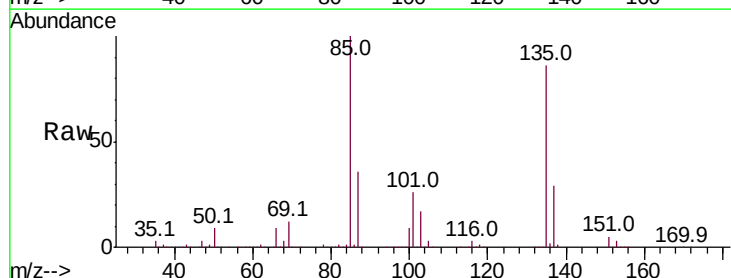
Acq: 3 Sep 2020 11:40

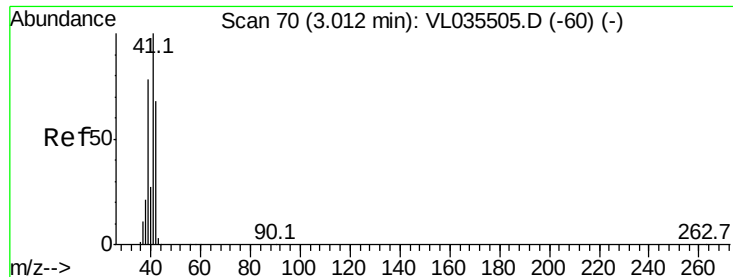
Tgt Ion: 85 Resp: 2267828

Ion Ratio Lower Upper

85 100

135 86.0 70.4 105.6





#9

Propene

Concen: 10.481 ppbv

RT: 3.01 min Scan# 70

Delta R.T. -0.00 min

Lab File: VL035527.D

Acq: 3 Sep 2020 11:40

Instrument :

MSVOA_L

ClientSampleId :

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Tot Ion: 41 Resp: 484669

Ion Ratio Lower Upper

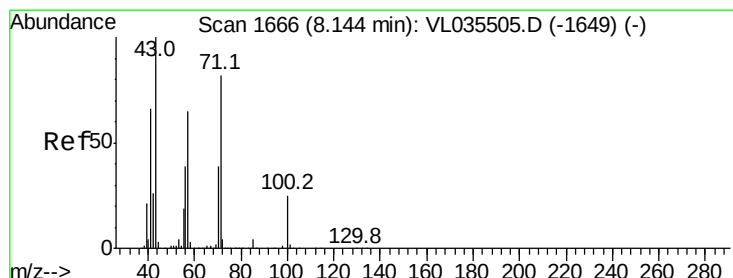
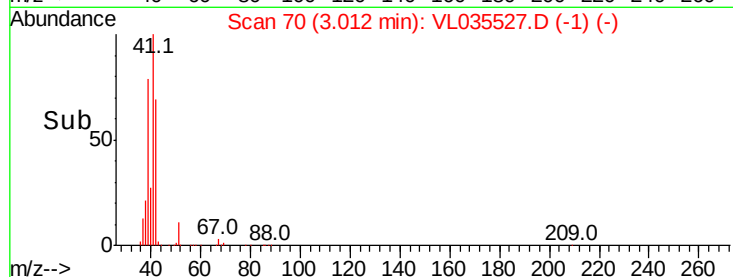
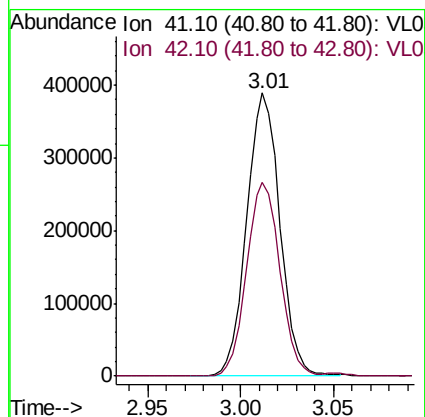
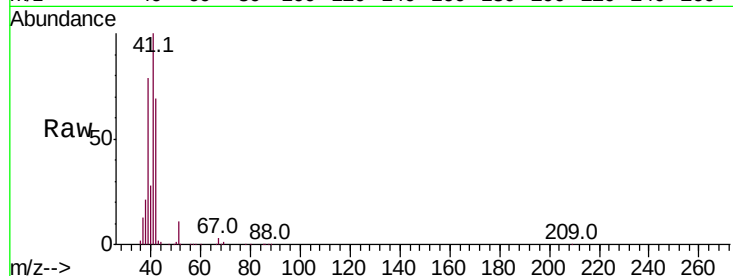
41 100

42 69.8 56.3 84.5

Manual Integrations
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#10

Heptane

Concen: 10.472 ppbv

RT: 8.15 min Scan# 1667

Delta R.T. 0.00 min

Lab File: VL035527.D

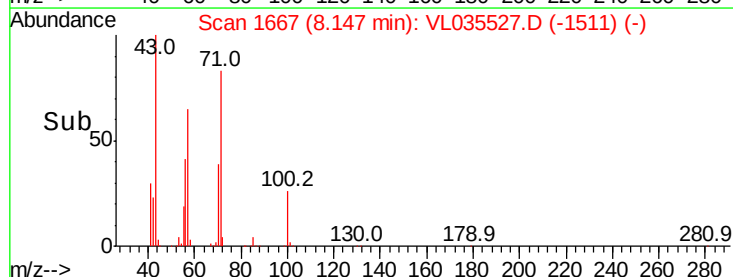
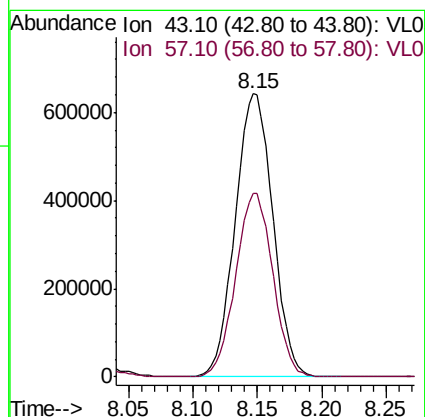
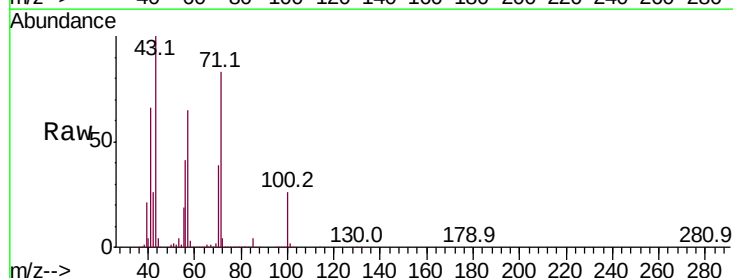
Acq: 3 Sep 2020 11:40

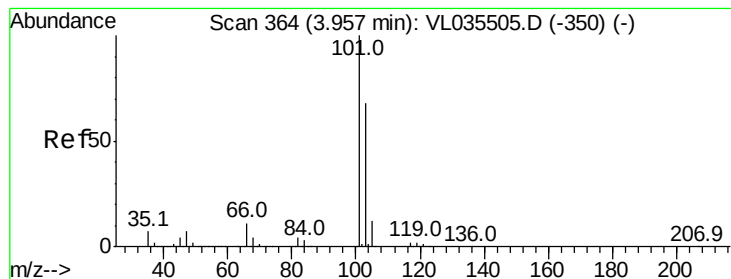
Tgt Ion: 43 Resp: 1300679

Ion Ratio Lower Upper

43 100

57 64.0 51.4 77.0





#11

Trichlorofluoromethane

Concen: 9.719 ppbv

RT: 3.96 min Scan# 364

Delta R.T. -0.00 min

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Acq: 3 Sep 2020 11:40

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Tot Ion:101 Resp: 2663804

Ion Ratio Lower Upper

101 100

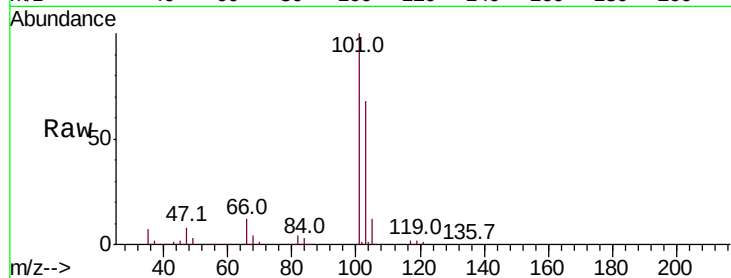
103 68.4 54.5 81.7

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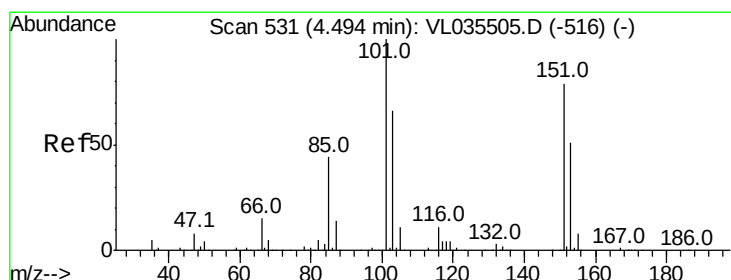
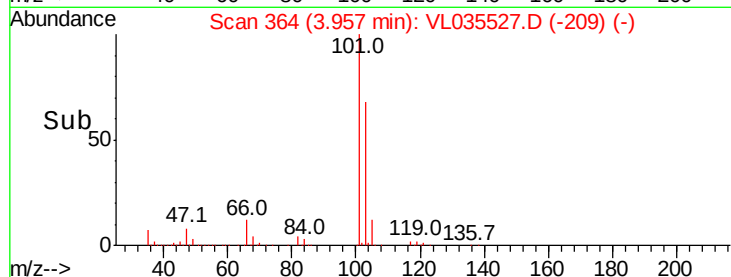
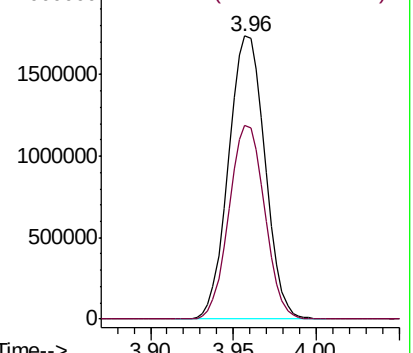
MMDadoda

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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.949 ppbv

RT: 4.49 min Scan# 531

Delta R.T. -0.00 min

Lab File: VL035527.D

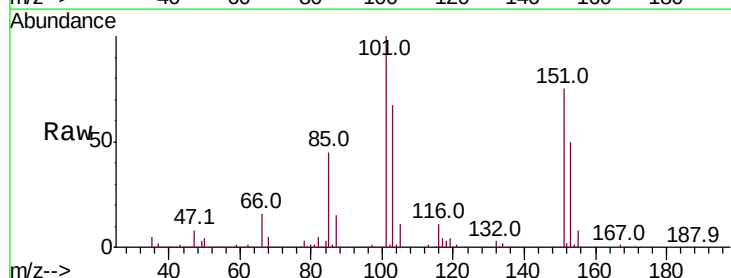
Acq: 3 Sep 2020 11:40

Tgt Ion:101 Resp: 2058282

Ion Ratio Lower Upper

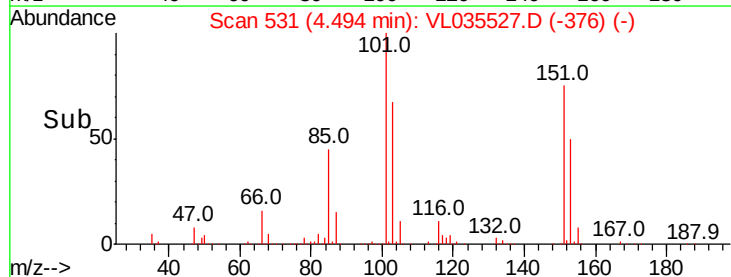
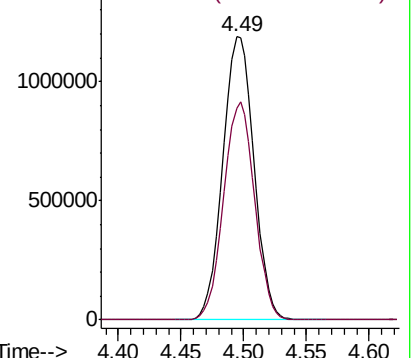
101 100

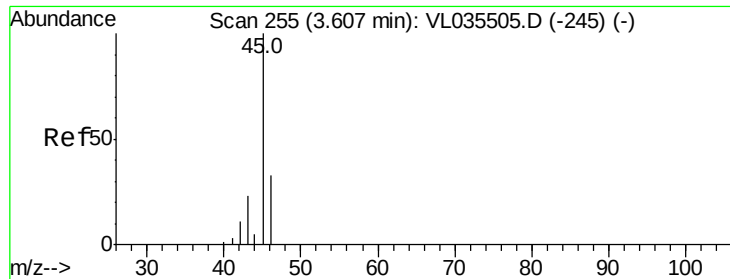
151 76.6 63.5 95.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





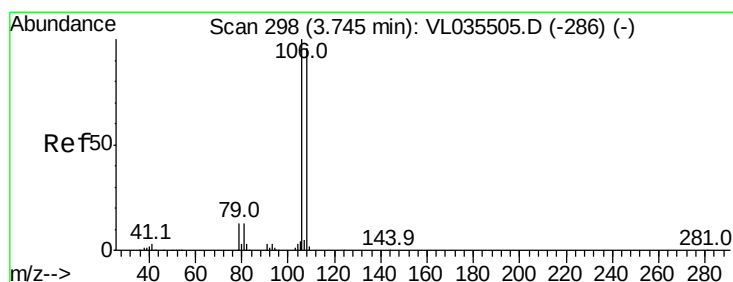
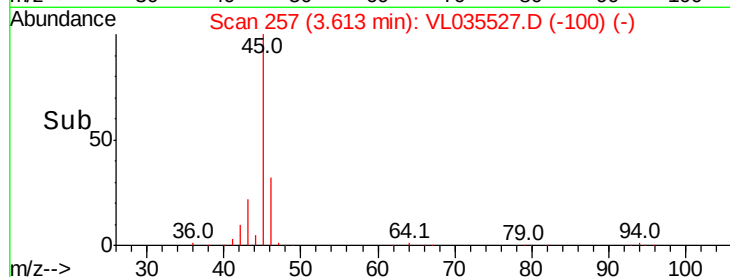
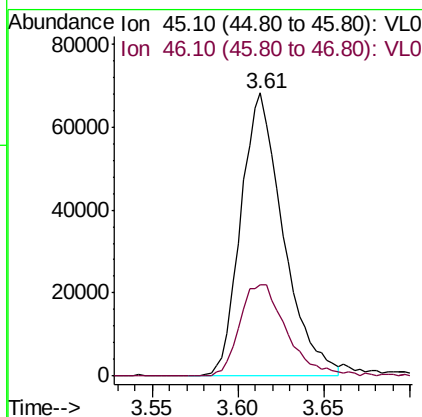
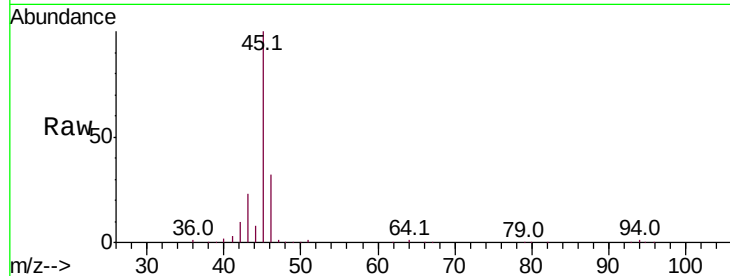
#13
Ethanol
Concen: 10.153 ppbv
RT: 3.61 min Scan# 257
Delta R.T. 0.01 min
Lab File: VL035527.D
Acq: 3 Sep 2020 11:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 45 Resp: 116403
Ion Ratio Lower Upper
45 100
46 36.7 15.2 60.6

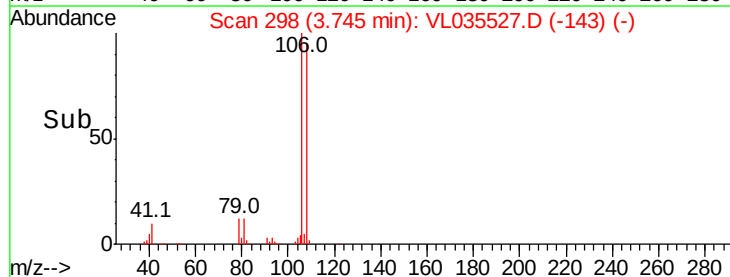
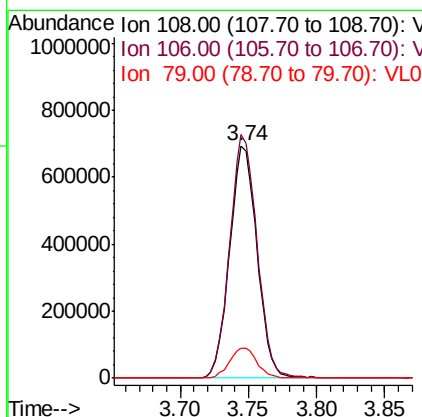
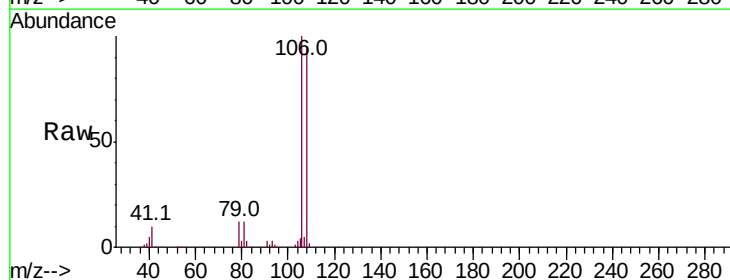
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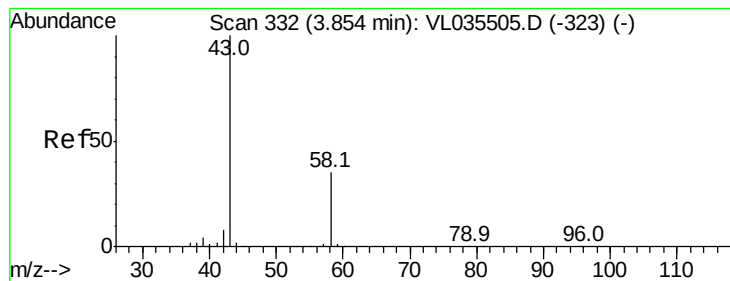
MMDadoda
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#14
Bromoethene
Concen: 10.881 ppbv
RT: 3.74 min Scan# 298
Delta R.T. -0.00 min
Lab File: VL035527.D
Acq: 3 Sep 2020 11:40

Tgt Ion: 108 Resp: 968923
Ion Ratio Lower Upper
108 100
106 105.1 84.9 127.3
79 13.3 10.8 16.2





#15

Acetone

Concen: 8.825 ppbv

RT: 3.86 min Scan# 333

Delta R.T. 0.00 min

Lab File: VL035527.D

Acq: 3 Sep 2020 11:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 1055582

Ion Ratio Lower Upper

43 100

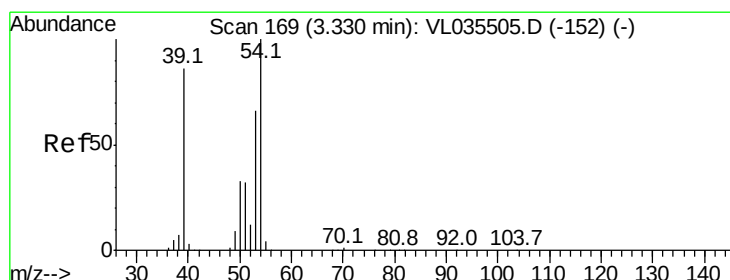
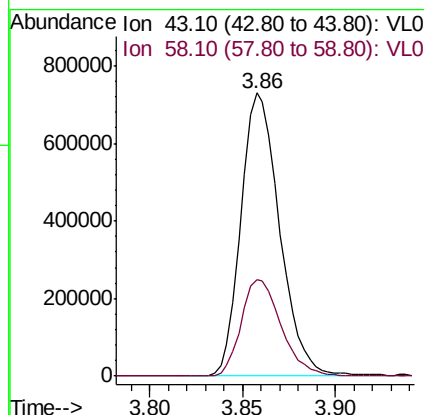
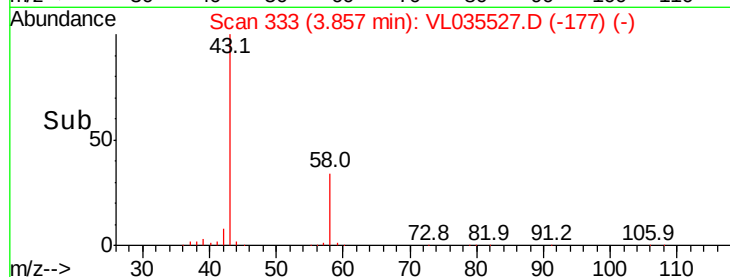
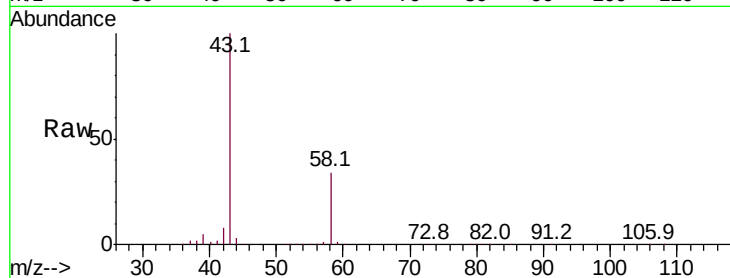
58 35.4 28.4 42.6

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#16

1,3-Butadiene

Concen: 10.735 ppbv

RT: 3.33 min Scan# 170

Delta R.T. 0.00 min

Lab File: VL035527.D

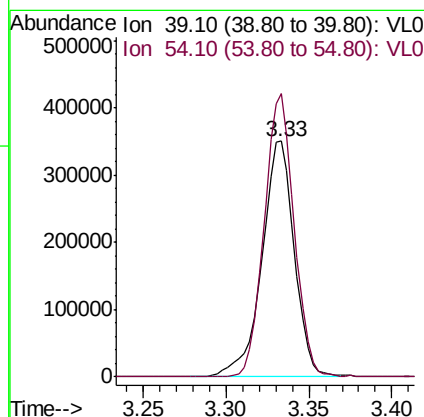
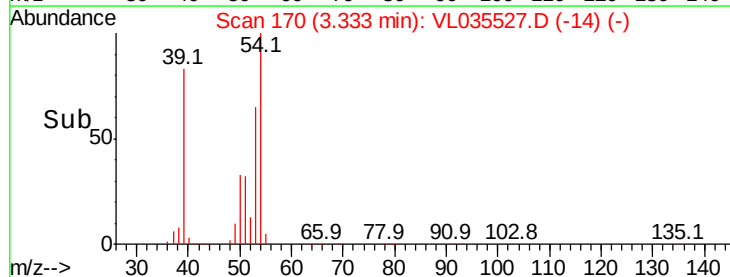
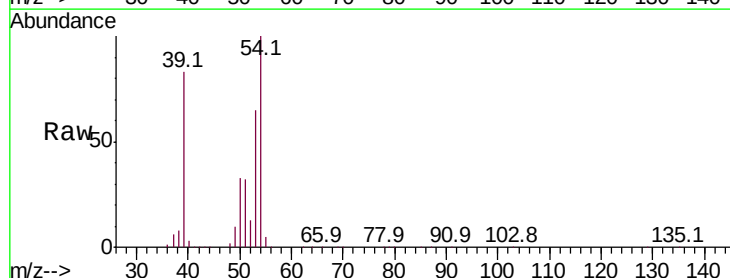
Acq: 3 Sep 2020 11:40

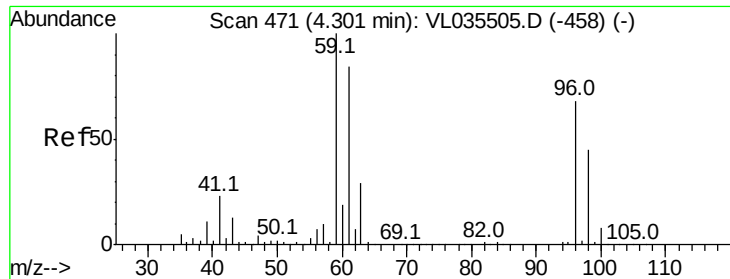
Tgt Ion: 39 Resp: 477985

Ion Ratio Lower Upper

39 100

54 111.5 88.4 132.6





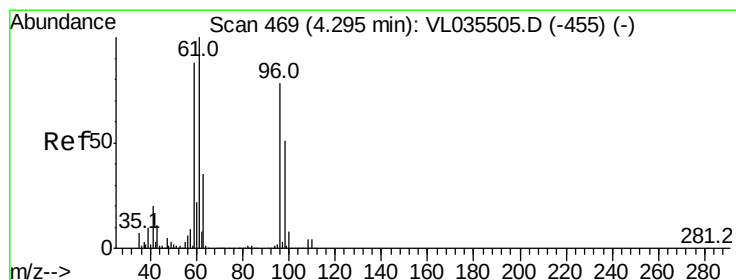
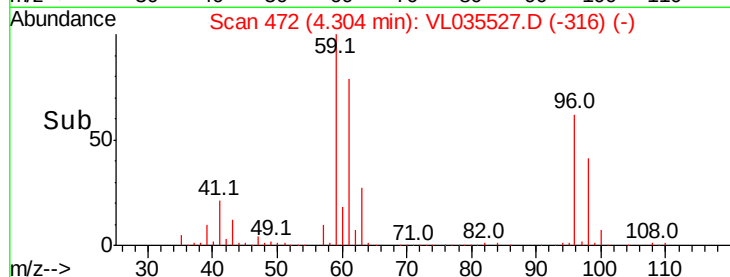
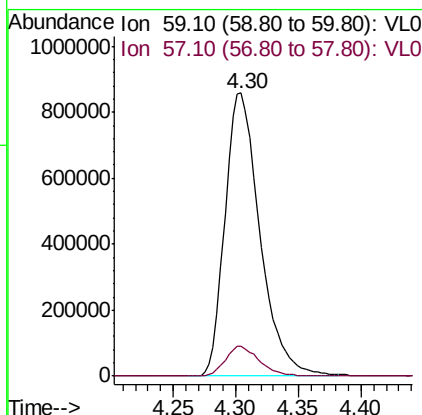
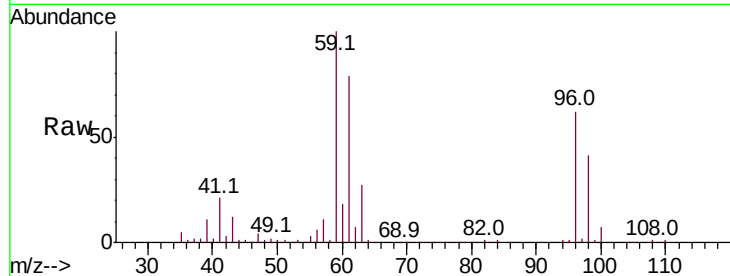
#17
 tert-Butyl alcohol
 Concen: 11.400 ppbv
 RT: 4.30 min Scan# 472
 Delta R.T. 0.00 min
 Lab File: VL035527.D
 Acq: 3 Sep 2020 11:40

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010

Tot Ion: 59 Resp: 1659909
 Ion Ratio Lower Upper
 59 100
 57 10.4 8.4 12.6

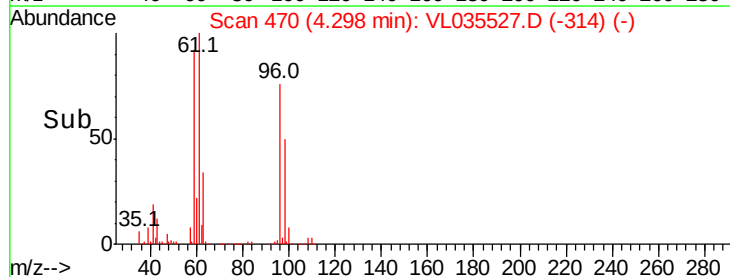
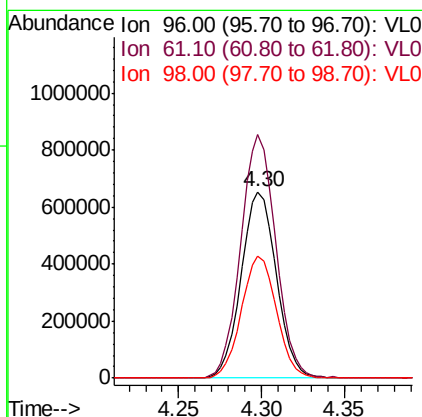
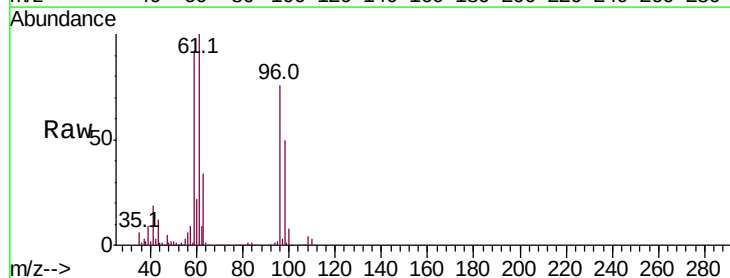
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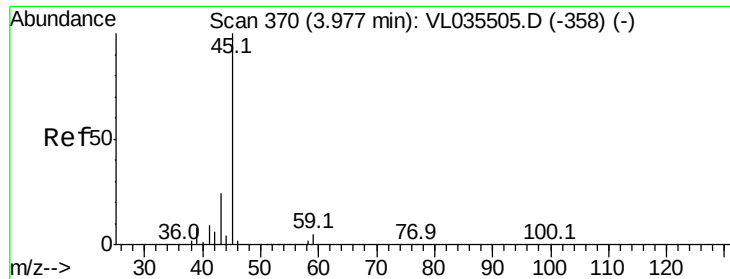
MMDadoda
 9/8/2020 4:05:39 PM



#18
 1,1-Dichloroethene
 Concen: 10.587 ppbv
 RT: 4.30 min Scan# 470
 Delta R.T. 0.00 min
 Lab File: VL035527.D
 Acq: 3 Sep 2020 11:40

Tgt Ion: 96 Resp: 964452
 Ion Ratio Lower Upper
 96 100
 61 130.8 103.0 154.6
 98 65.7 52.8 79.2





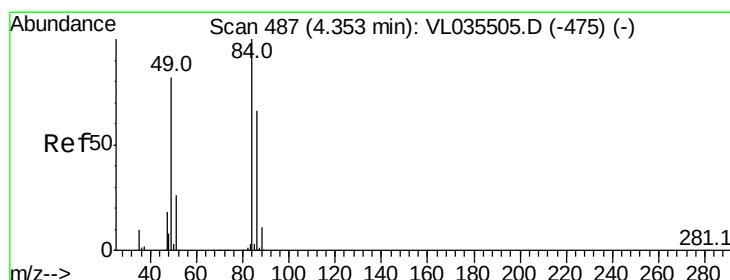
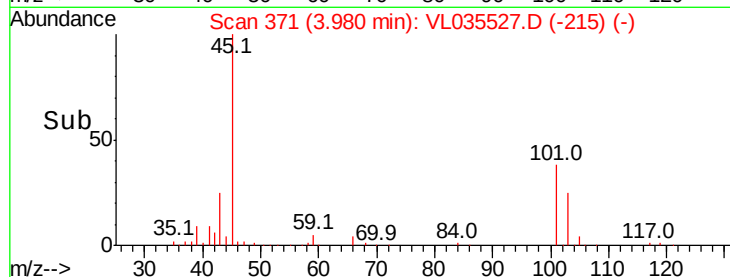
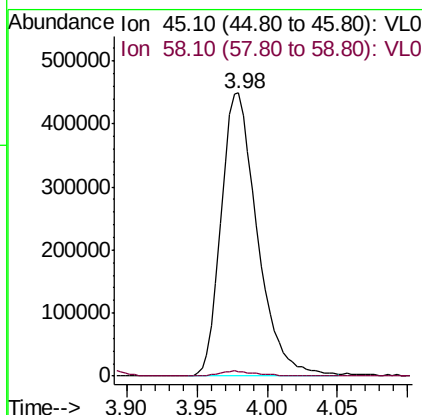
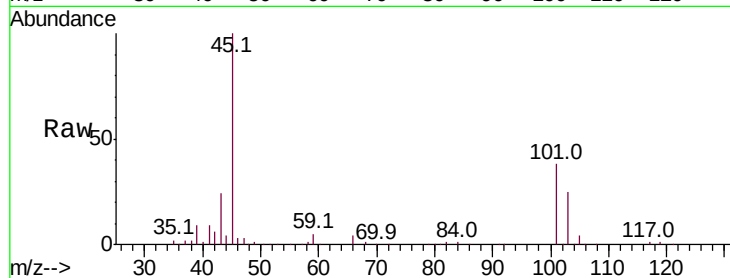
#19
Isopropyl Alcohol
Concen: 11.208 ppbv
RT: 3.98 min Scan# 371
Delta R.T. 0.00 min
Lab File: VL035527.D
Acq: 3 Sep 2020 11:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 45 Resp: 799783
Ion Ratio Lower Upper
45 100
58 2.0 2.0 3.0#

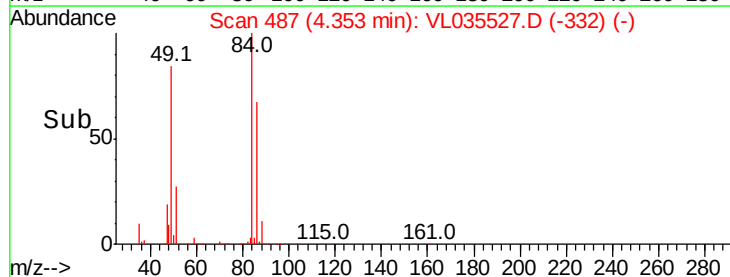
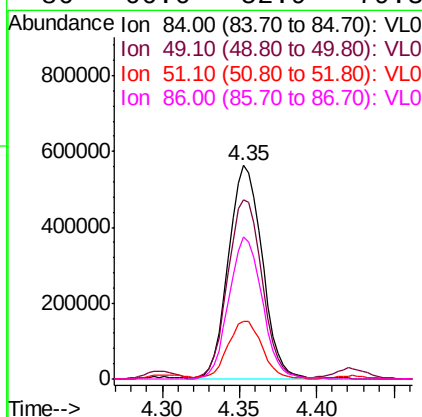
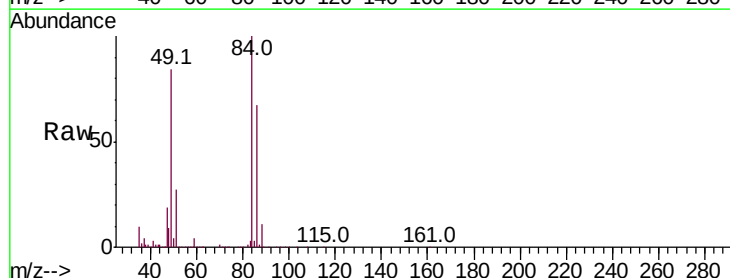
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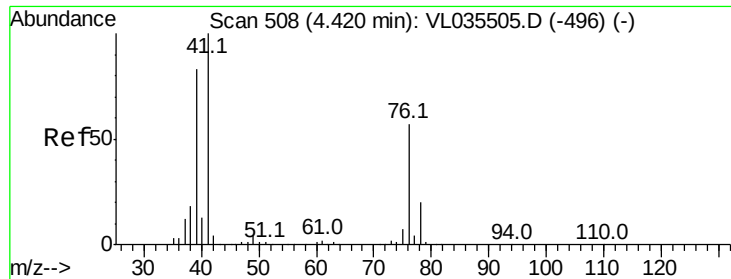
MMDadoda
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#20
Methylene Chloride
Concen: 9.556 ppbv
RT: 4.35 min Scan# 487
Delta R.T. -0.00 min
Lab File: VL035527.D
Acq: 3 Sep 2020 11:40

Tgt Ion: 84 Resp: 851371
Ion Ratio Lower Upper
84 100
49 83.6 65.4 98.0
51 26.2 21.5 32.3
86 66.6 52.9 79.3





#21

Allvl Chloride

Concen: 11.614 ppbv

RT: 4.42 min Scan# 509

Delta R.T. 0.00 min

Lab File: VL035527.D

Acq: 3 Sep 2020 11:40

Instrument :

MSVOA_L

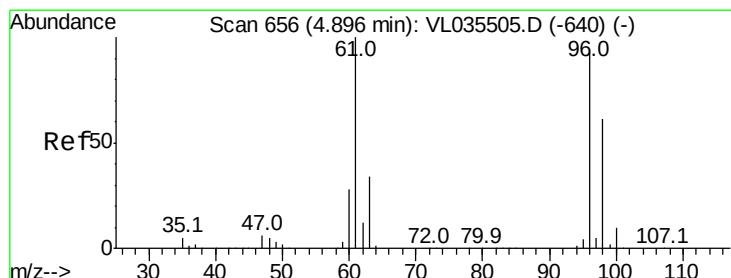
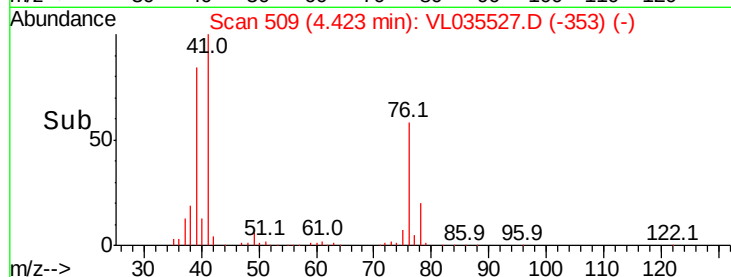
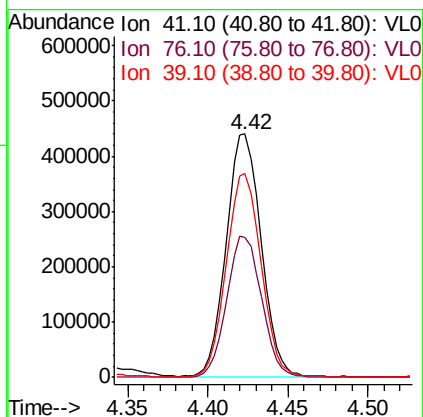
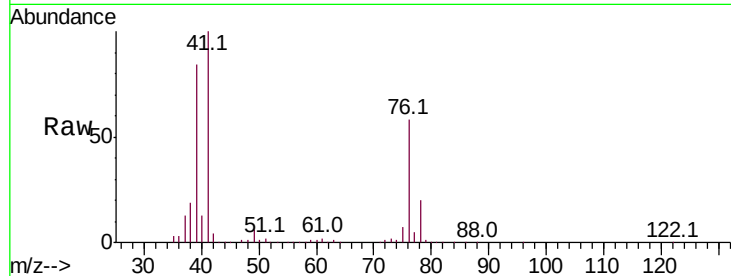
ClientSampleId :

VSTDCCC010

Tot Ion:	41	Resp:	650866
Ion	Ratio	Lower	Upper
41	100		
76	58.2	46.2	69.2
39	83.7	67.8	101.6

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#22

trans-1,2-Dichloroethene

Concen: 10.421 ppbv

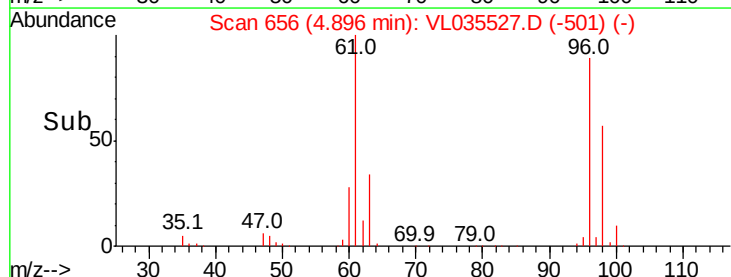
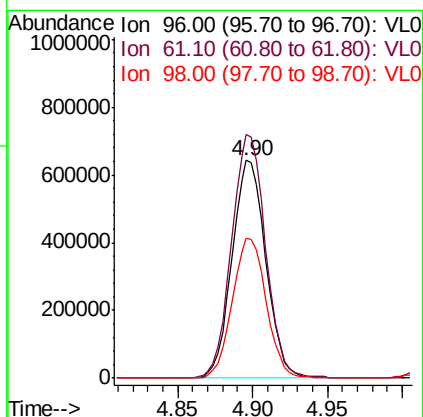
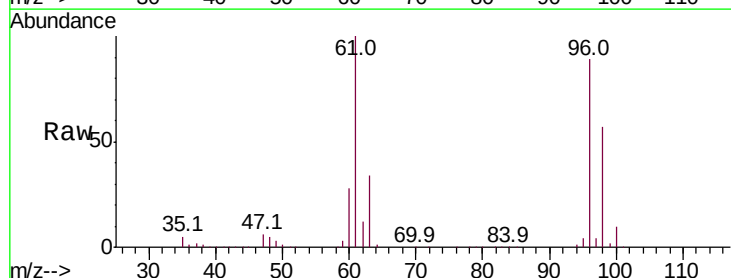
RT: 4.90 min Scan# 656

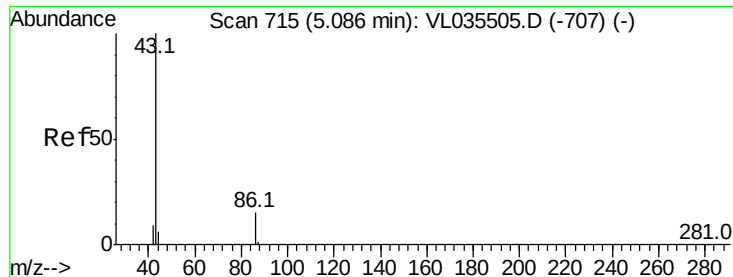
Delta R.T. -0.00 min

Lab File: VL035527.D

Acq: 3 Sep 2020 11:40

Tgt Ion:	96	Resp:	1010636
Ion	Ratio	Lower	Upper
96	100		
61	111.8	86.0	129.0
98	64.1	52.3	78.5





#23

Vinyl Acetate

Concen: 10.925 ppbv

RT: 5.09 min Scan# 716

Delta R.T. 0.00 min

Lab File: VL035527.D

Acq: 3 Sep 2020 11:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 1677310

Ion Ratio Lower Upper

43 100

86 14.0 10.6 16.0

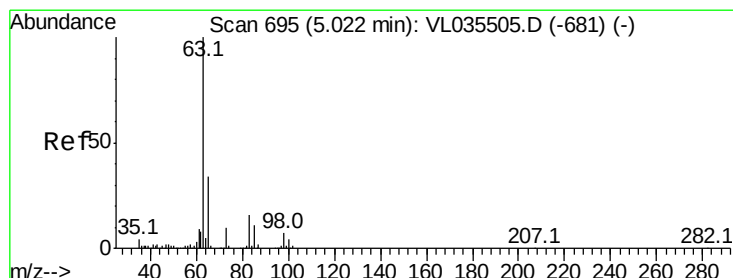
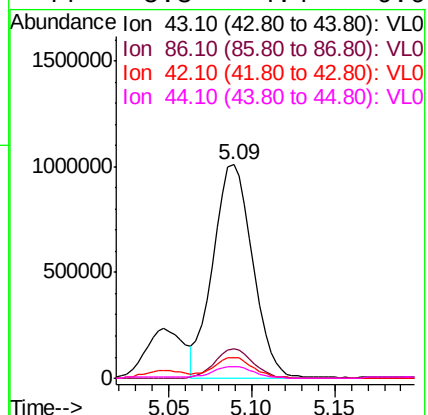
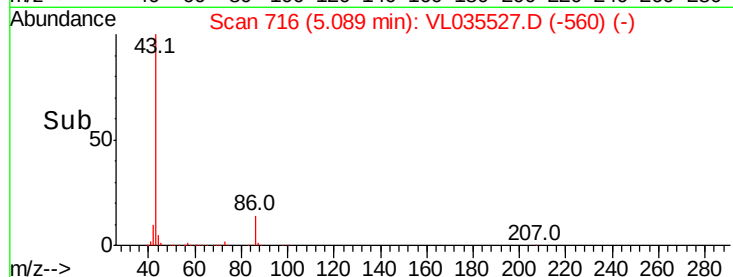
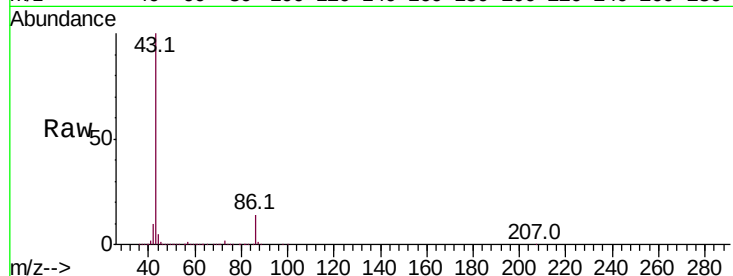
42 9.5 7.5 11.3

44 5.3 4.4 6.6

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 10.460 ppbv

RT: 5.02 min Scan# 696

Delta R.T. 0.00 min

Lab File: VL035527.D

Acq: 3 Sep 2020 11:40

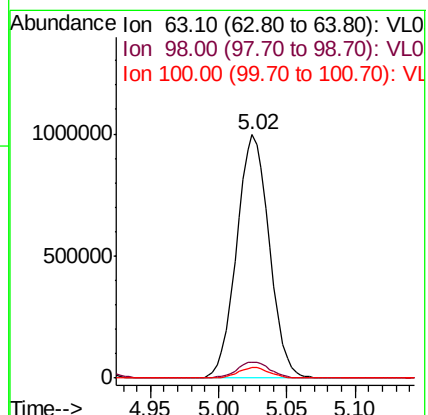
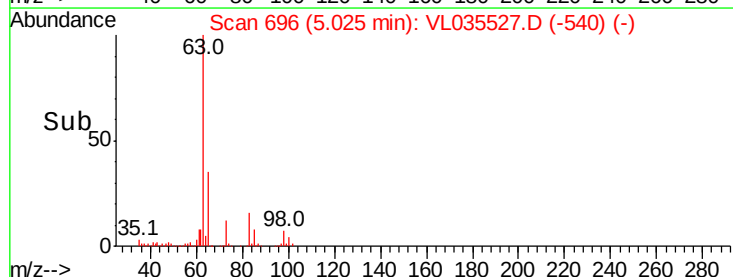
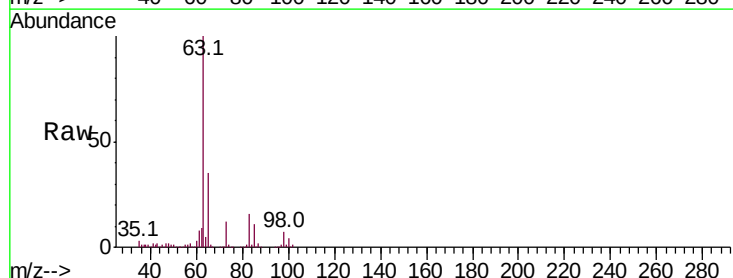
Tgt Ion: 63 Resp: 1652613

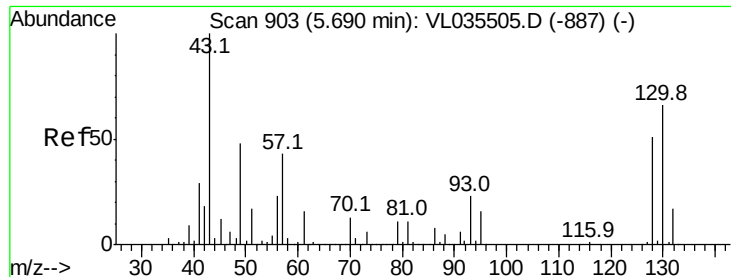
Ion Ratio Lower Upper

63 100

98 6.5 3.4 10.1

100 4.2 2.1 6.5





#25
Ethyl Acetate
Concen: 10.214 ppbv
RT: 5.69 min Scan# 904
Delta R.T. 0.00 min
Lab File: VL035527.D
Acq: 3 Sep 2020 11:40

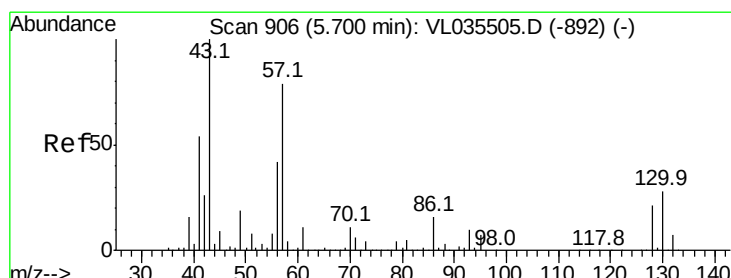
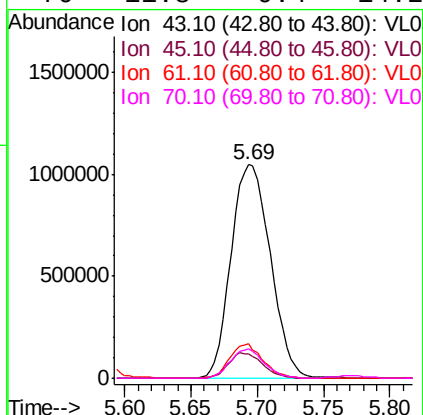
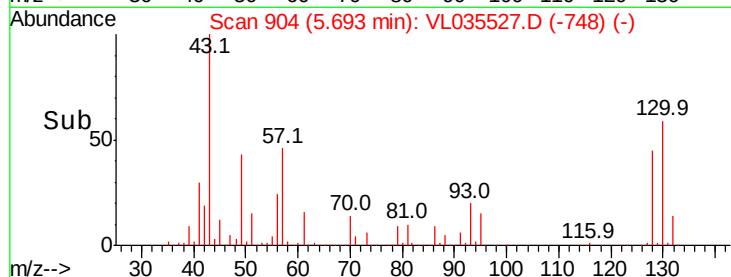
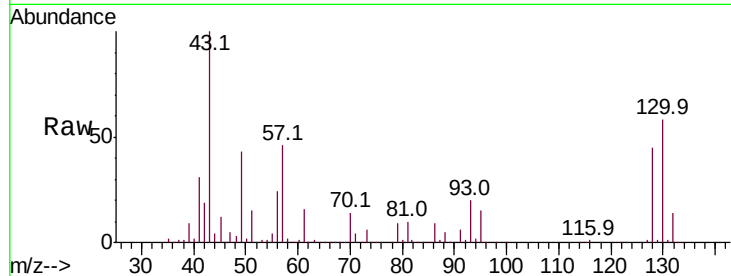
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 43 Resp: 2158409

Ion	Ratio	Lower	Upper
43	100		
45	10.6	8.4	12.6
61	13.5	10.6	16.0
70	11.8	9.4	14.2

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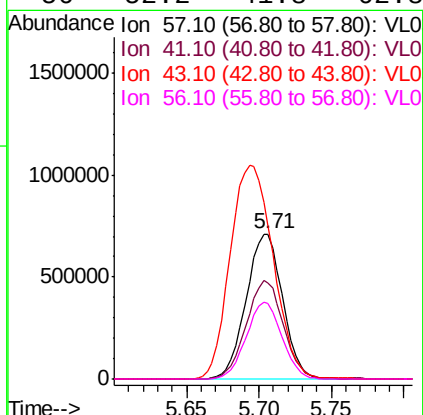
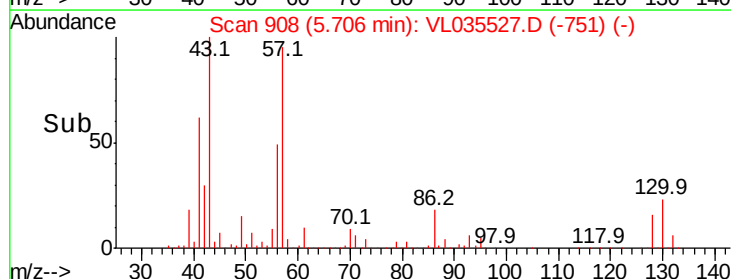
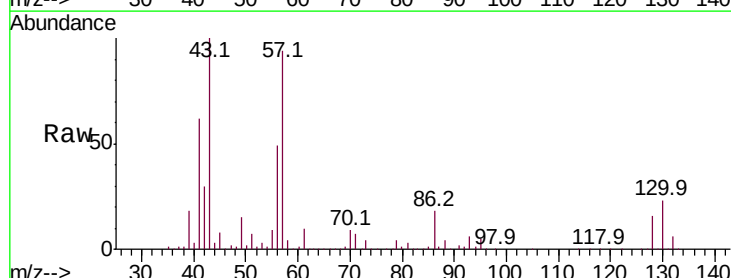
MMDadoda
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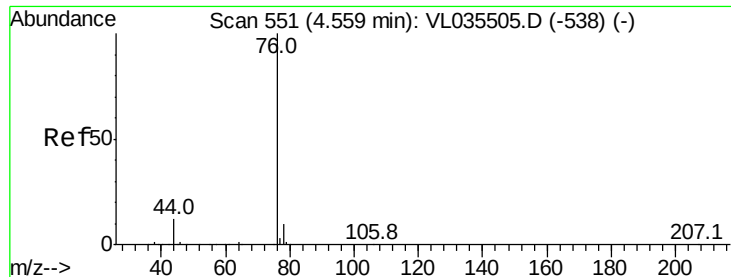


#26
Hexane
Concen: 10.350 ppbv
RT: 5.71 min Scan# 908
Delta R.T. 0.01 min
Lab File: VL035527.D
Acq: 3 Sep 2020 11:40

Tgt Ion: 57 Resp: 1239176

Ion	Ratio	Lower	Upper
57	100		
41	70.2	55.9	83.9
43	174.7	141.8	212.8
56	52.2	41.8	62.8





#27

Carbon Disulfide

Concen: 12.029 ppbv

RT: 4.56 min Scan# 552

Delta R.T. 0.00 min

Lab File: VL035527.D

Acq: 3 Sep 2020 11:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 76 Resp: 2066827

Ion Ratio Lower Upper

76 100

44 11.3 9.3 13.9

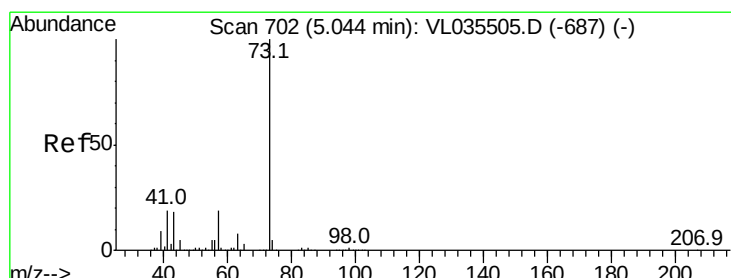
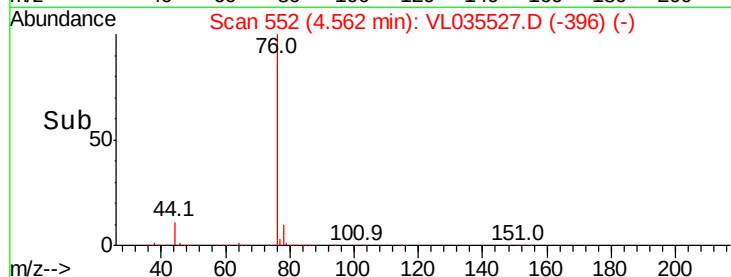
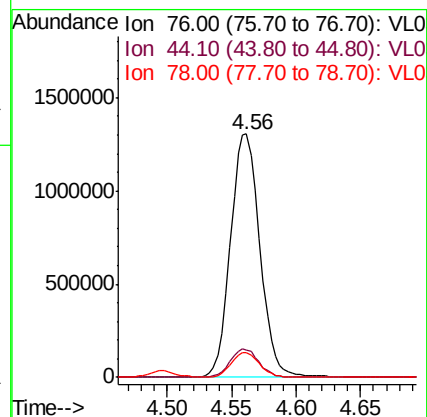
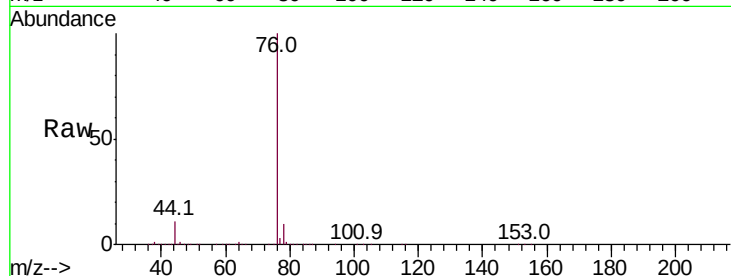
78 9.9 7.8 11.6

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#28

Methyl tert-Butyl Ether

Concen: 11.105 ppbv

RT: 5.05 min Scan# 703

Delta R.T. 0.00 min

Lab File: VL035527.D

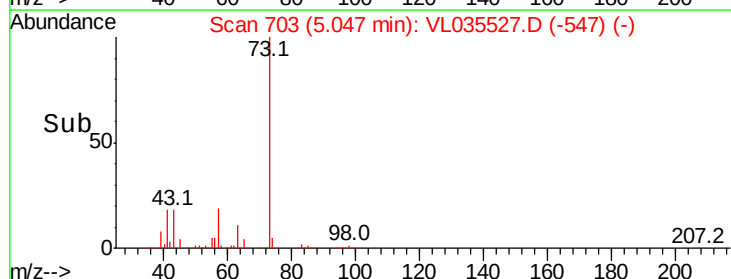
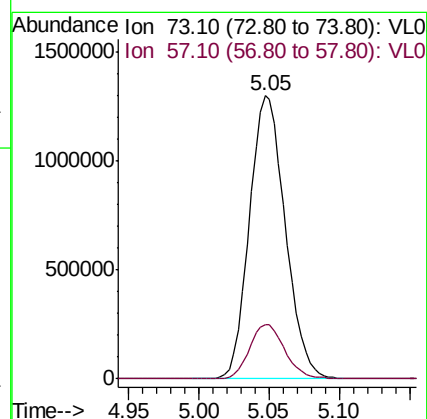
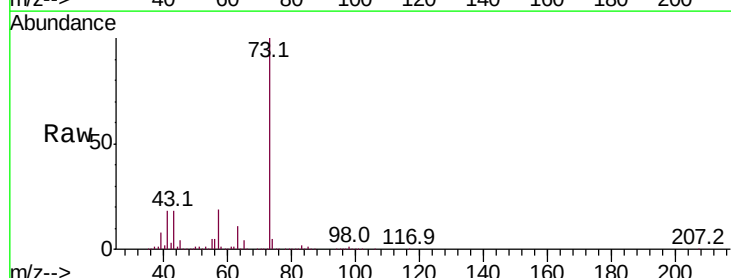
Acq: 3 Sep 2020 11:40

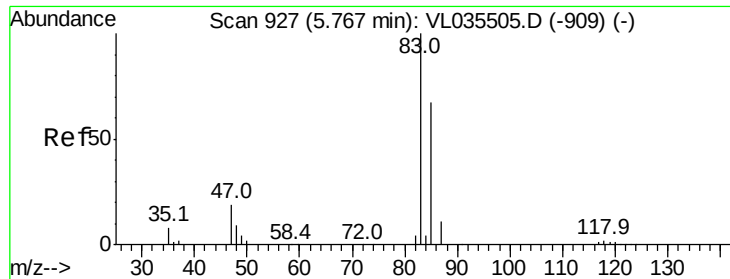
Tgt Ion: 73 Resp: 2317339

Ion Ratio Lower Upper

73 100

57 19.1 15.2 22.8





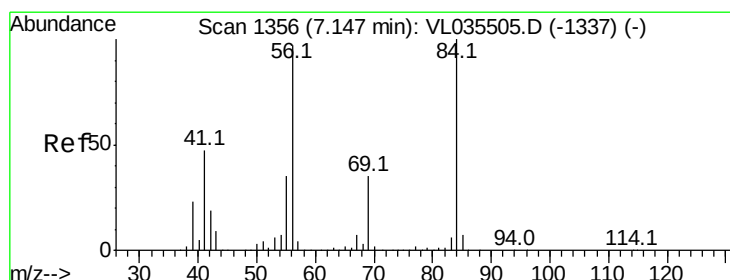
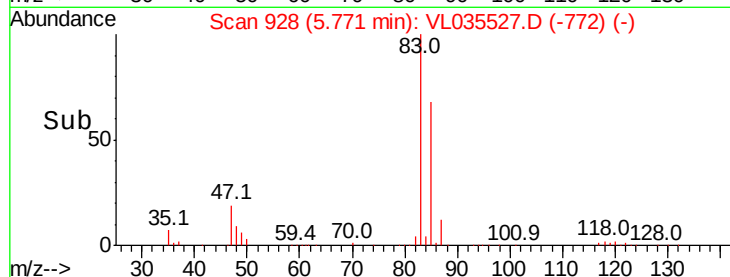
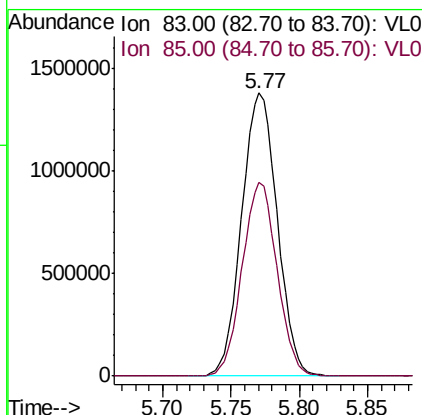
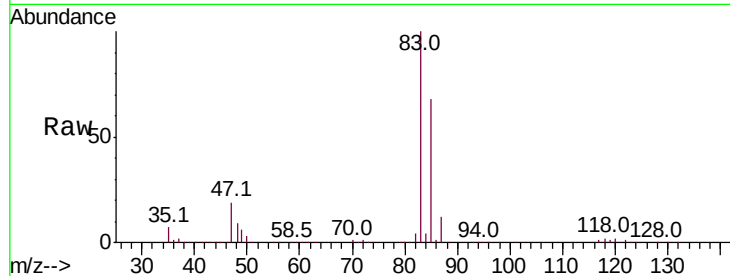
#29
Chloroform
Concen: 10.256 ppbv
RT: 5.77 min Scan# 928
Delta R.T. 0.00 min
Lab File: VL035527.D
Acq: 3 Sep 2020 11:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 83 Resp: 2501918
Ion Ratio Lower Upper
83 100
85 68.3 53.9 80.9

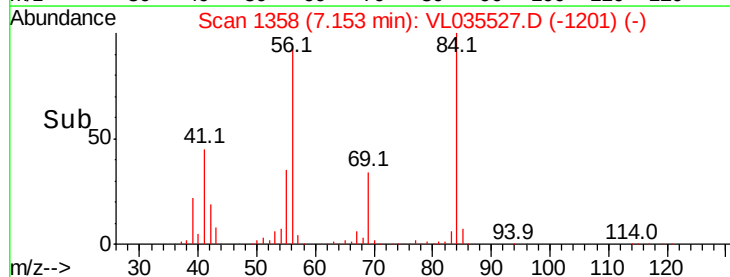
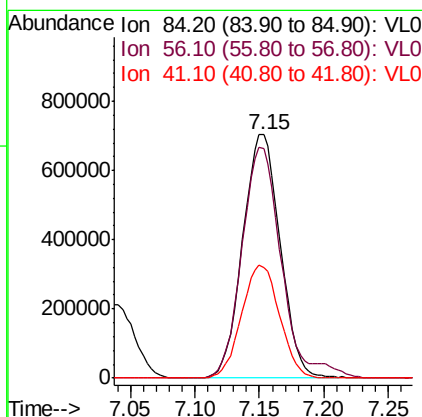
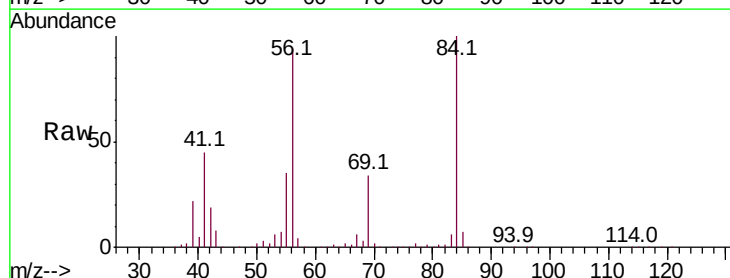
Manual Integrations
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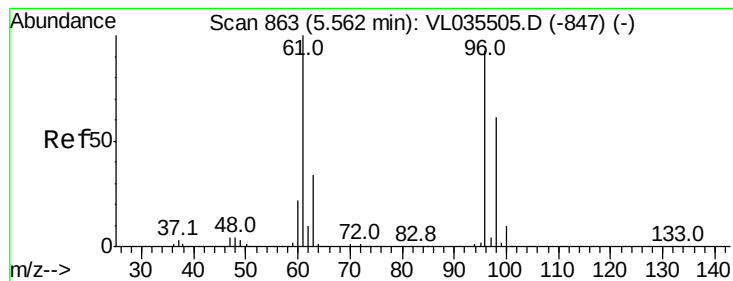
MMDadoda
9/8/2020 4:05:39 PM



#30
Cyclohexane
Concen: 11.125 ppbv
RT: 7.15 min Scan# 1358
Delta R.T. 0.01 min
Lab File: VL035527.D
Acq: 3 Sep 2020 11:40

Tgt Ion: 84 Resp: 1426924
Ion Ratio Lower Upper
84 100
56 100.0 80.1 120.1
41 47.1 38.1 57.1





#31

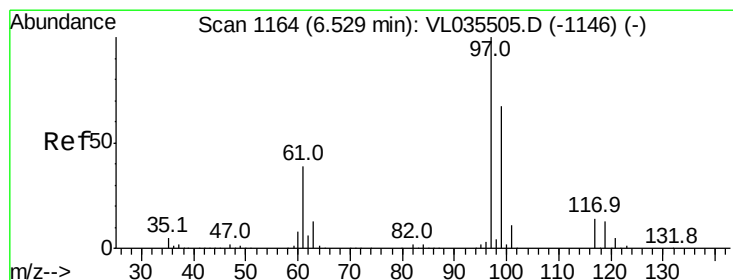
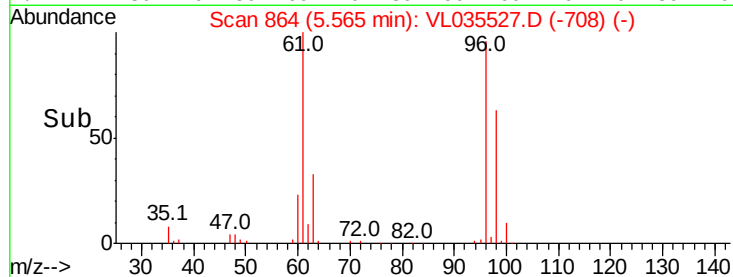
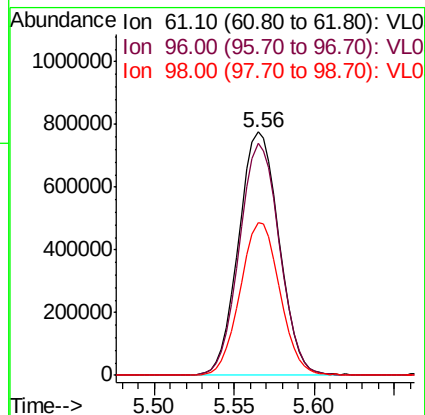
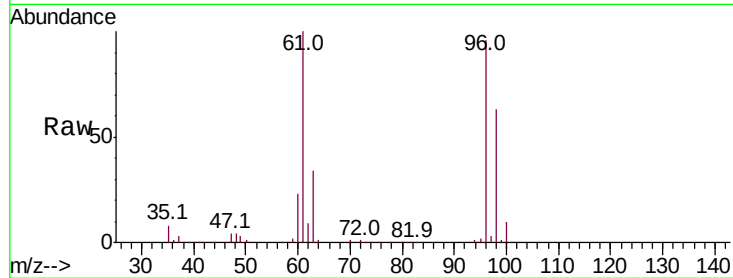
cis-1,2-Dichloroethene
Concen: 10.898 ppbv
RT: 5.56 min Scan# 864
Delta R.T. 0.00 min
Lab File: VL035527.D
Acq: 3 Sep 2020 11:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 61 Resp: 1338672
Ion Ratio Lower Upper
61 100
96 95.5 74.4 111.6
98 63.0 49.2 73.8

Manual Integrations
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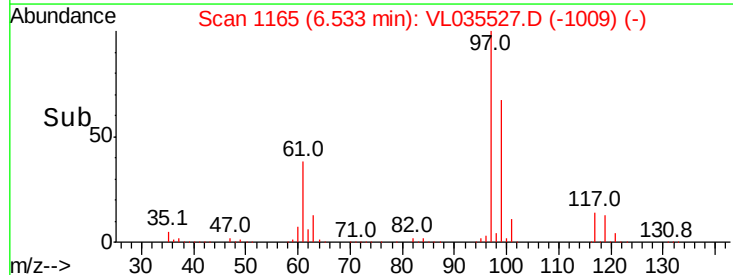
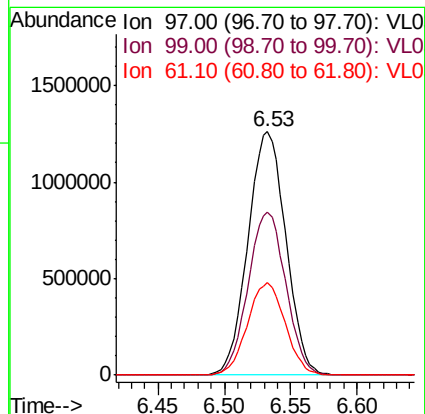
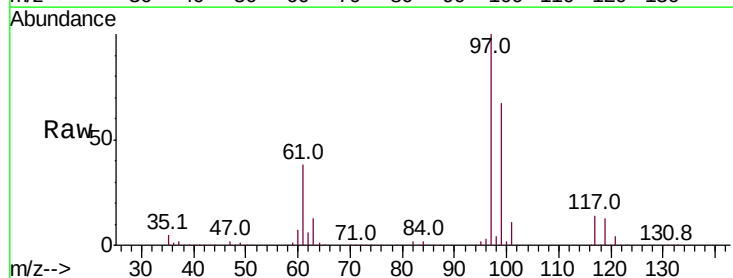
MMDadoda
9/8/2020 4:05:39 PM

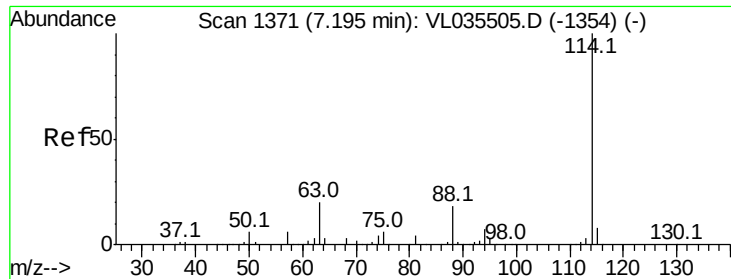


#32

1,1,1-Trichloroethane
Concen: 10.599 ppbv
RT: 6.53 min Scan# 1165
Delta R.T. 0.00 min
Lab File: VL035527.D
Acq: 3 Sep 2020 11:40

Tgt Ion: 97 Resp: 2508368
Ion Ratio Lower Upper
97 100
99 66.6 53.3 79.9
61 37.7 30.6 46.0





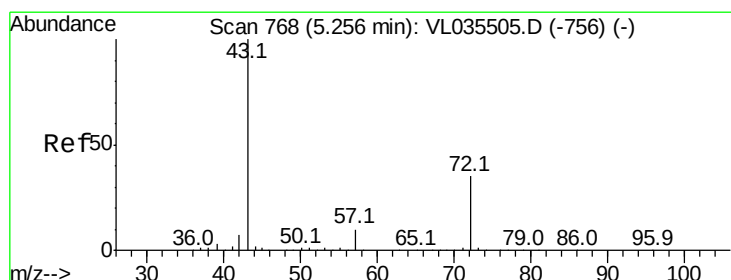
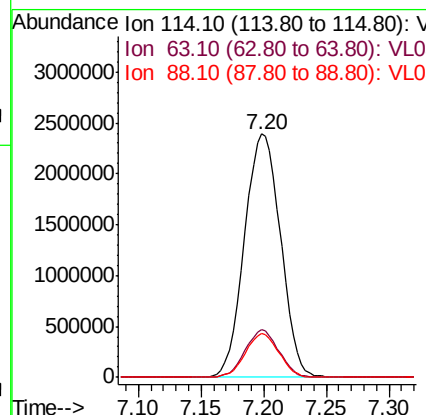
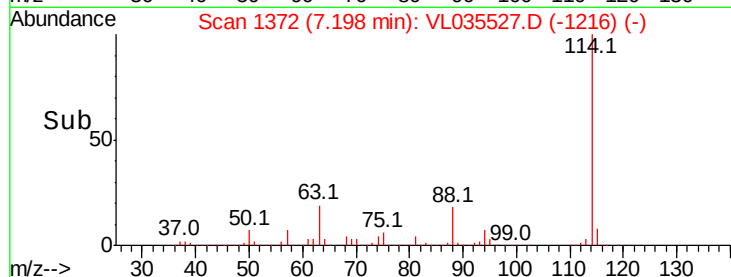
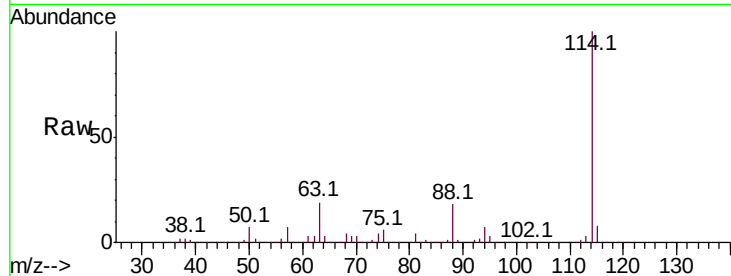
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.20 min Scan# 1372
 Delta R.T. 0.00 min
 Lab File: VL035527.D
 Acq: 3 Sep 2020 11:40

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:114 Resp: 4791200
 Ion Ratio Lower Upper
 114 100
 63 18.5 14.7 22.1
 88 16.9 13.4 20.2

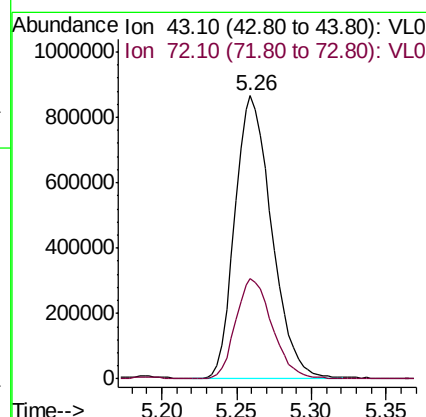
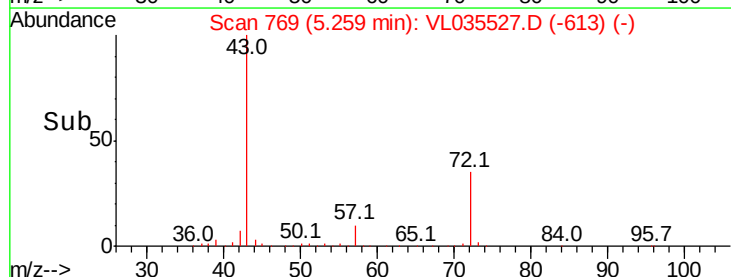
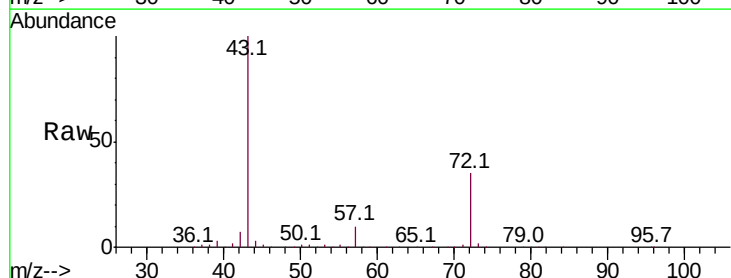
Manual Integrations
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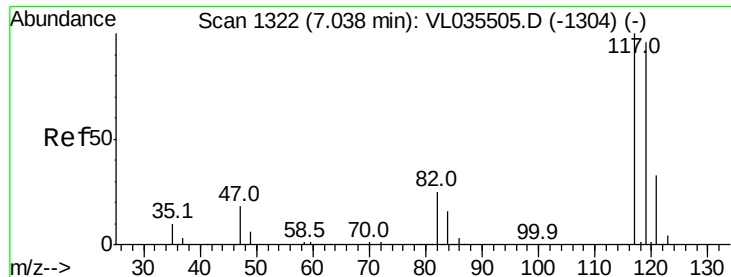
MMDadoda
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#34
 2-Butanone
 Concen: 10.412 ppbv
 RT: 5.26 min Scan# 769
 Delta R.T. 0.00 min
 Lab File: VL035527.D
 Acq: 3 Sep 2020 11:40

Tgt Ion: 43 Resp: 1480450
 Ion Ratio Lower Upper
 43 100
 72 35.2 27.7 41.5





#35

Carbon Tetrachloride

Concen: 10.832 ppbv

RT: 7.04 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VL035527.D

Acq: 3 Sep 2020 11:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:117 Resp: 2608408

Ion Ratio Lower Upper

117 100

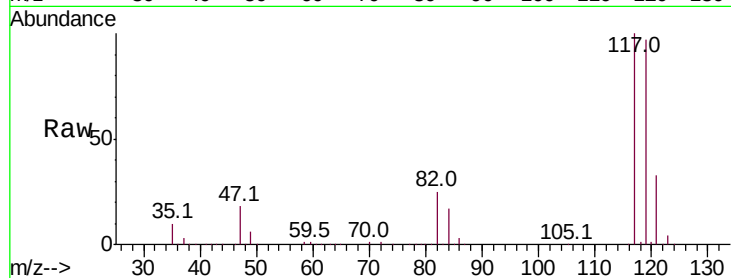
119 96.9 77.2 115.8

121 32.8 26.1 39.1

Manual Integrations
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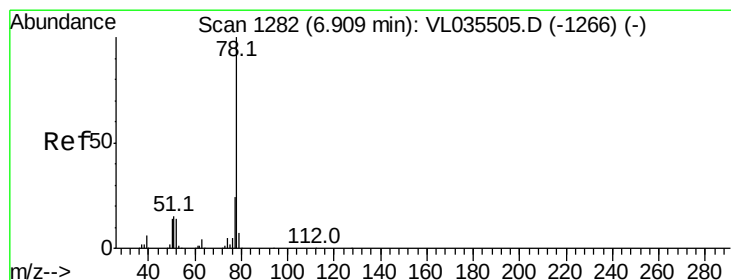
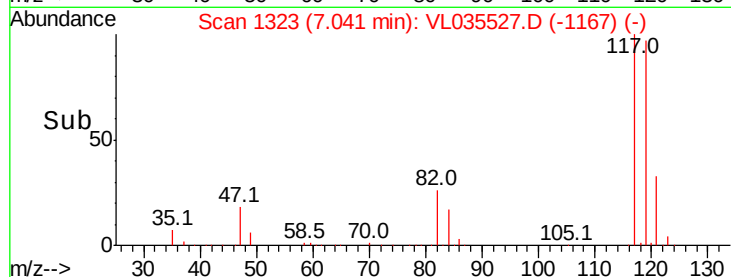
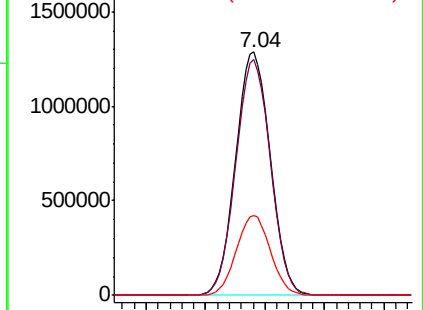
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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 10.539 ppbv

RT: 6.92 min Scan# 1284

Delta R.T. 0.01 min

Lab File: VL035527.D

Acq: 3 Sep 2020 11:40

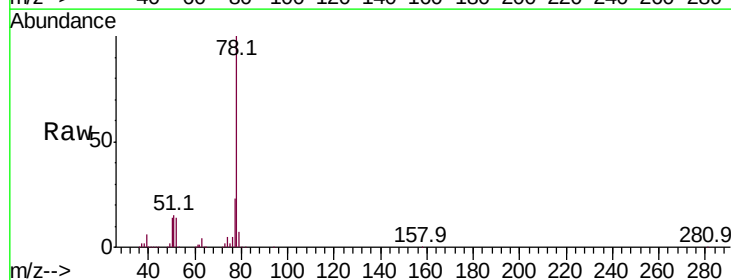
Tgt Ion: 78 Resp: 3268478

Ion Ratio Lower Upper

78 100

77 23.2 19.3 28.9

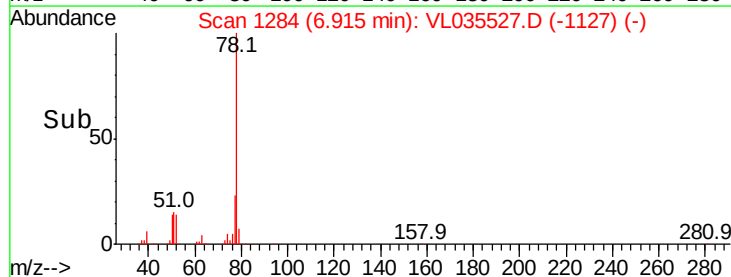
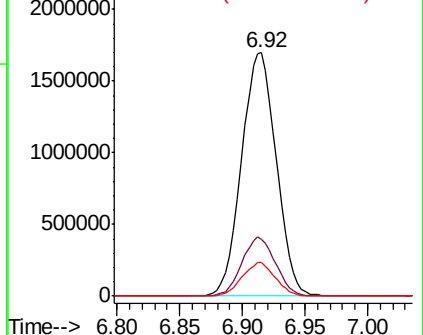
50 13.6 11.0 16.6

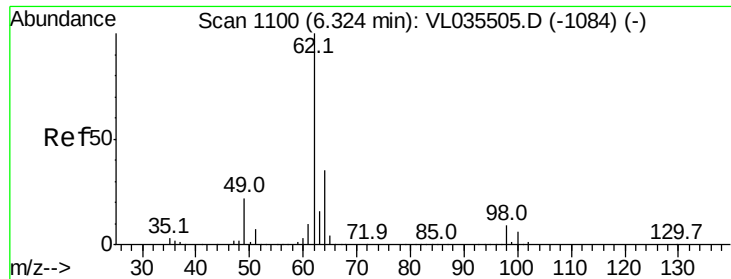


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





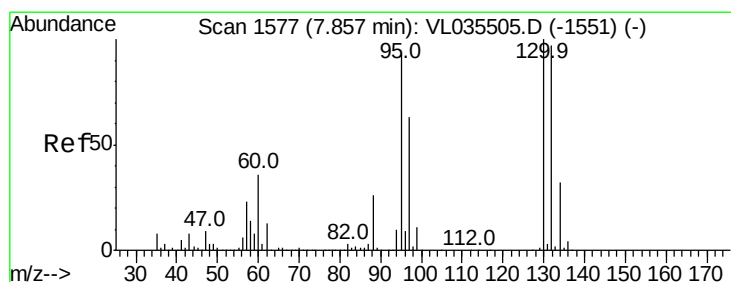
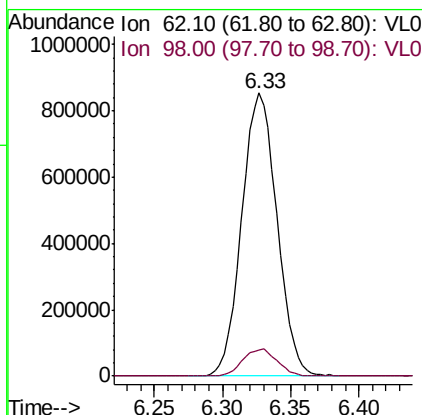
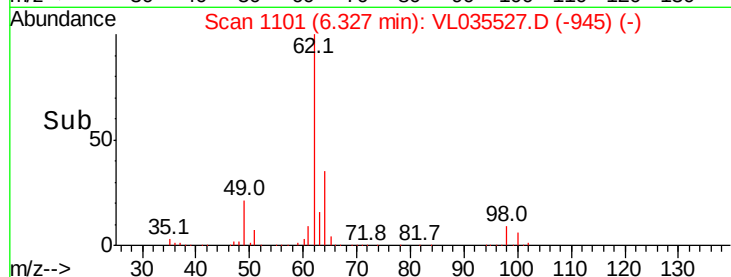
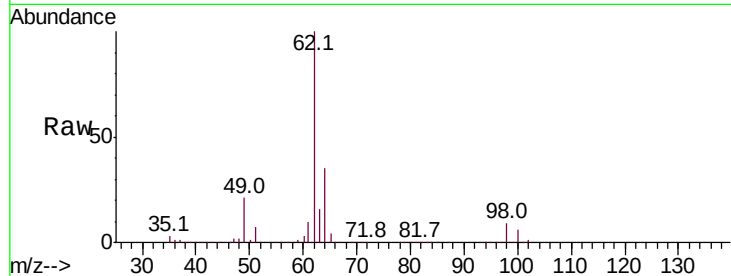
#37
 1,2-Dichloroethane
 Concen: 10.366 ppbv
 RT: 6.33 min Scan# 1101
 Delta R.T. 0.00 min
 Lab File: VL035527.D
 Acq: 3 Sep 2020 11:40

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 62 Resp: 1532794
 Ion Ratio Lower Upper
 62 100
 98 9.5 7.4 11.0

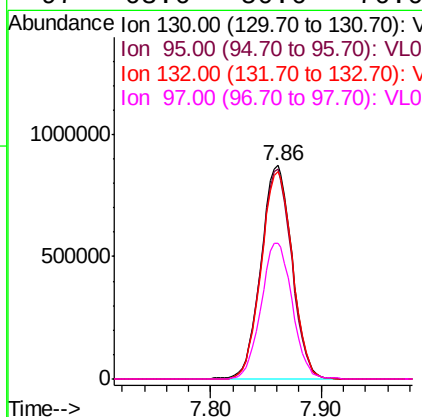
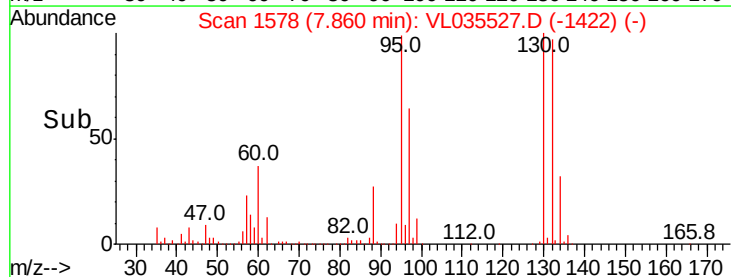
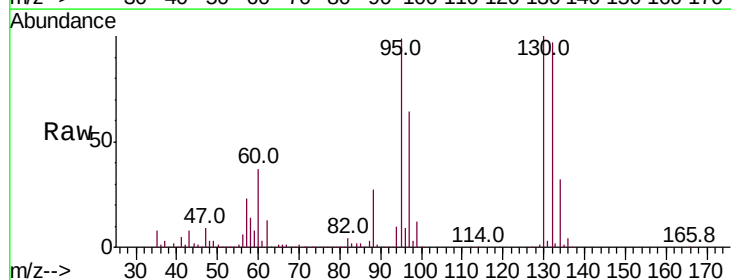
Manual Integrations
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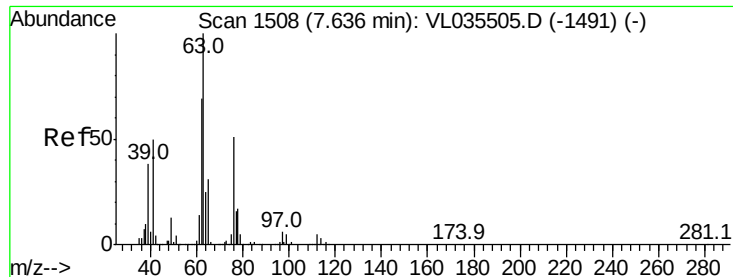
MMDadoda
 9/8/2020 4:05:39 PM



#38
 Trichloroethene
 Concen: 9.527 ppbv
 RT: 7.86 min Scan# 1578
 Delta R.T. 0.00 min
 Lab File: VL035527.D
 Acq: 3 Sep 2020 11:40

Tgt Ion:130 Resp: 1716292
 Ion Ratio Lower Upper
 130 100
 95 98.6 74.6 112.0
 132 96.8 77.6 116.4
 97 63.6 50.6 76.0





#39

1,2-Dichloropropane

Concen: 10.434 ppbv

RT: 7.64 min Scan# 1509

Delta R.T. 0.00 min

Lab File: VL035527.D

Acq: 3 Sep 2020 11:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 63 Resp: 1093177

Ion Ratio Lower Upper

63 100

41 50.3 40.0 60.0

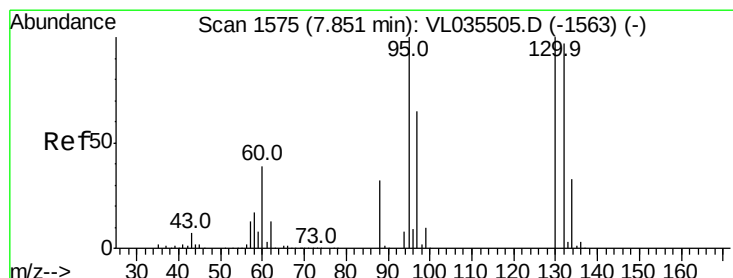
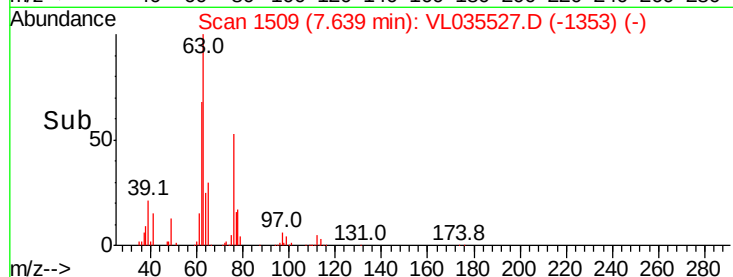
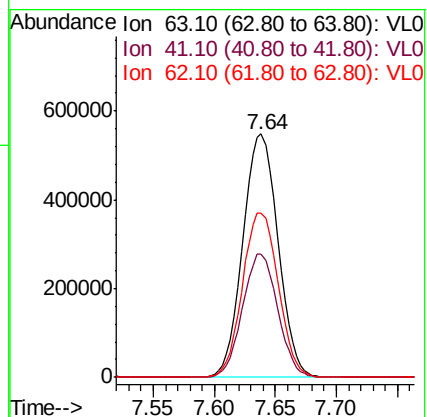
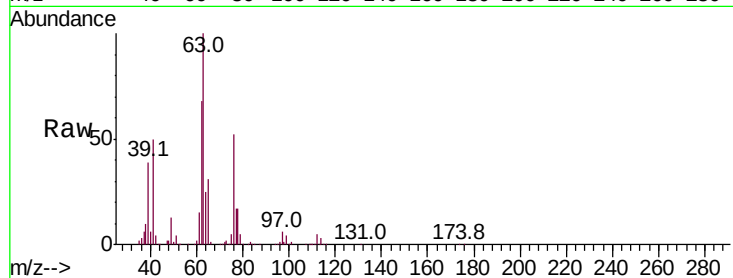
62 67.5 55.4 83.0

Manual Integrations

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#40

1,4-Dioxane

Concen: 11.012 ppbv

RT: 7.85 min Scan# 1575

Delta R.T. -0.00 min

Lab File: VL035527.D

Acq: 3 Sep 2020 11:40

Tgt Ion: 88 Resp: 576327

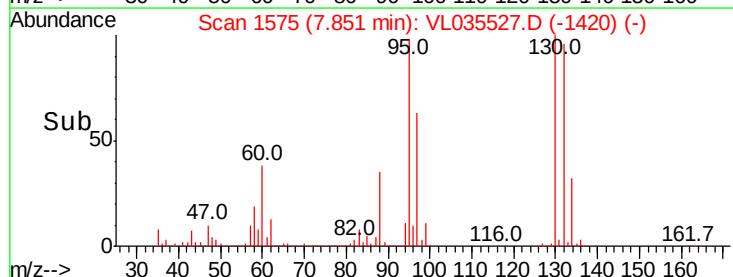
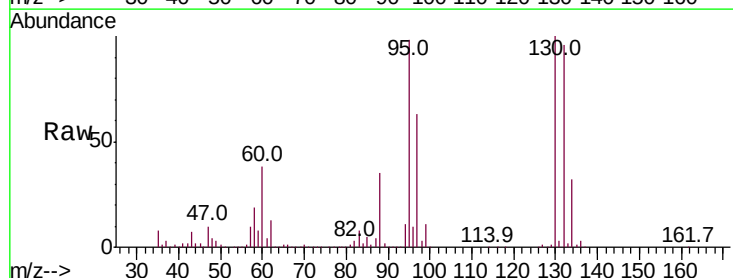
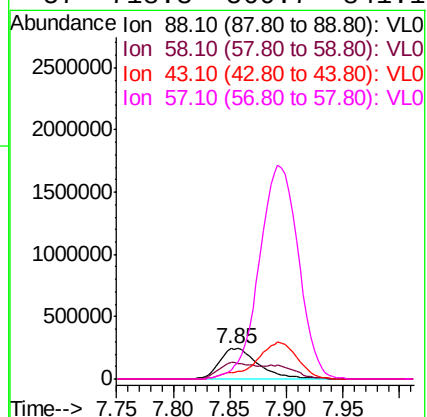
Ion Ratio Lower Upper

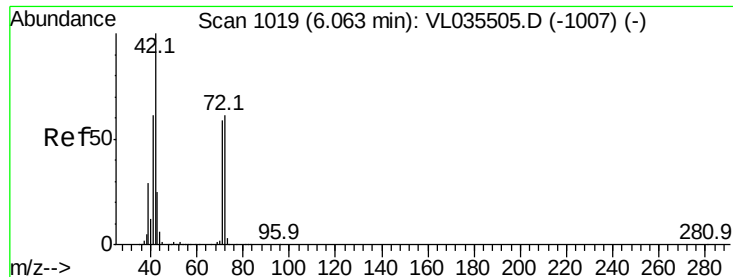
88 100

58 88.4 68.7 103.1

43 133.5 104.3 156.5

57 718.3 560.7 841.1





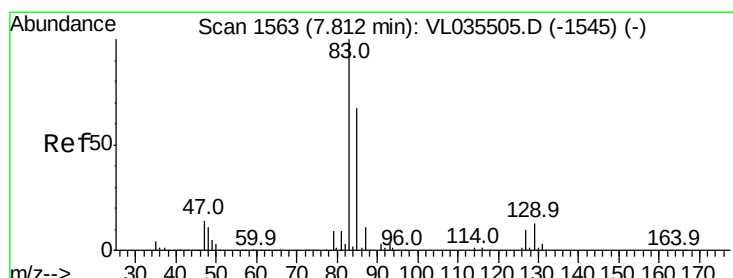
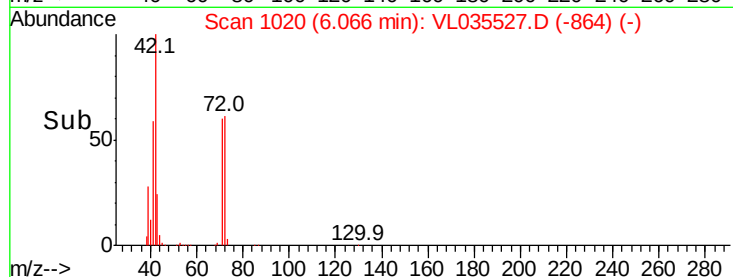
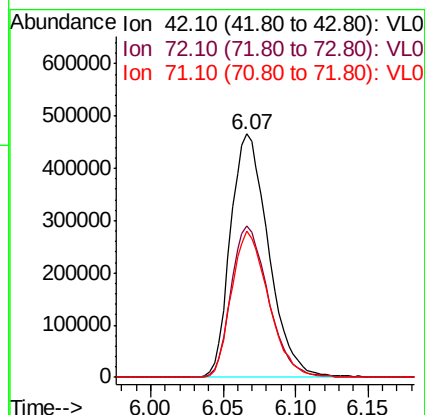
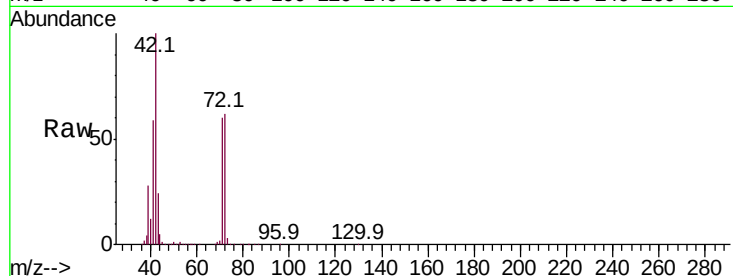
#41
Tetrahydrofuran
Concen: 11.255 ppbv
RT: 6.07 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VL035527.D
Acq: 3 Sep 2020 11:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	61.5	48.6	73.0
71	58.9	46.1	69.1

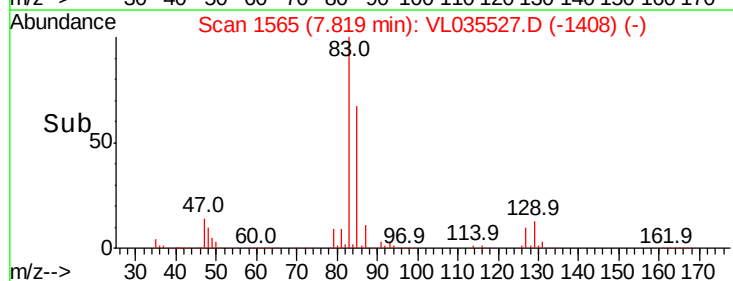
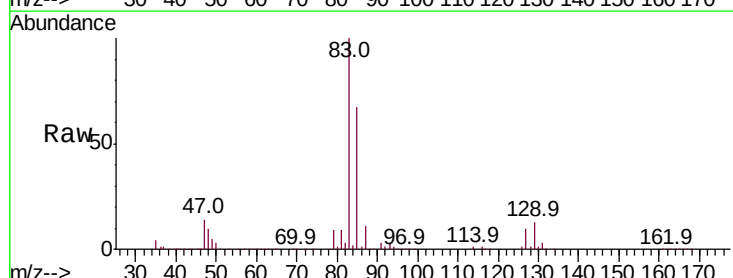
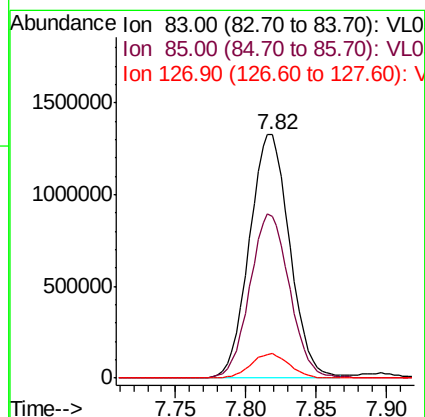
Manual Integrations
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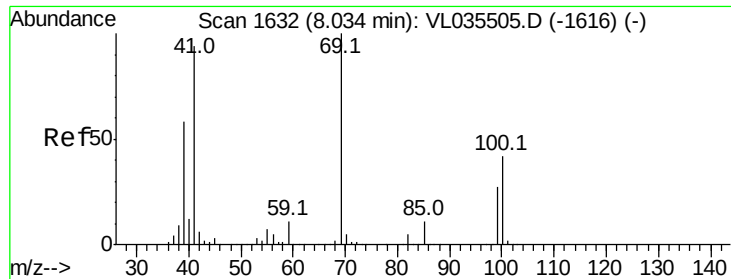
MMDadoda
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#42
Bromodichloromethane
Concen: 11.102 ppbv
RT: 7.82 min Scan# 1565
Delta R.T. 0.01 min
Lab File: VL035527.D
Acq: 3 Sep 2020 11:40

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.6	53.7	80.5
127	10.2	8.1	12.1





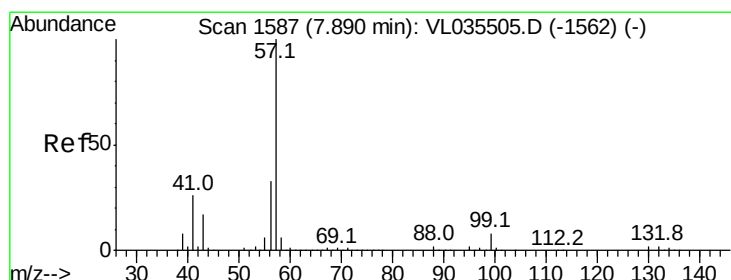
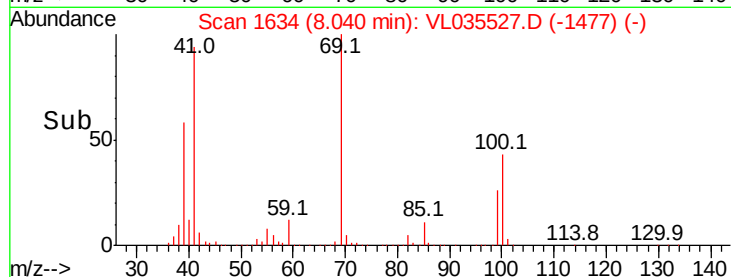
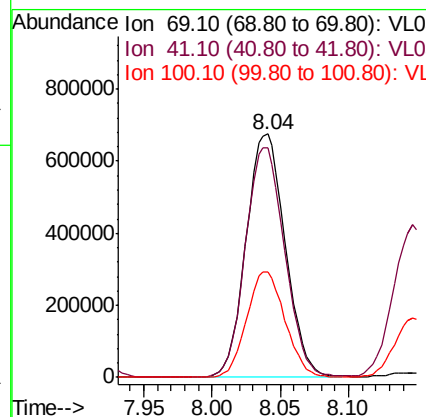
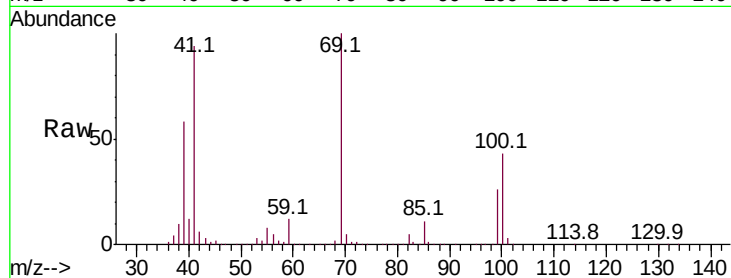
#43
Methyl Methacrylate
Concen: 11.229 ppbv
RT: 8.04 min Scan# 1634
Delta R.T. 0.01 min
Lab File: VL035527.D
Acq: 3 Sep 2020 11:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 69 Resp: 1346572
Ion Ratio Lower Upper
69 100
41 94.7 76.6 114.8
100 42.6 33.8 50.6

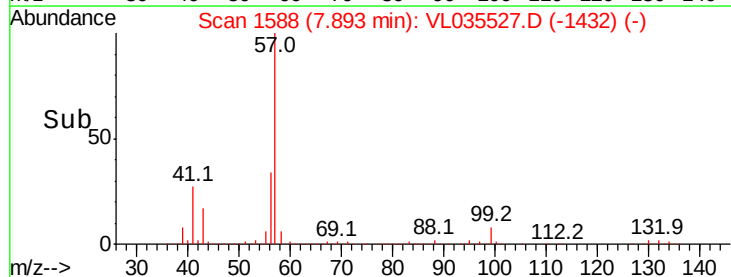
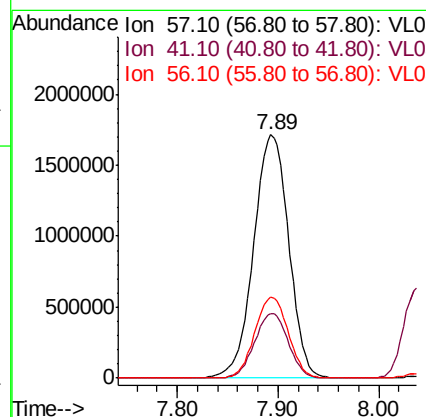
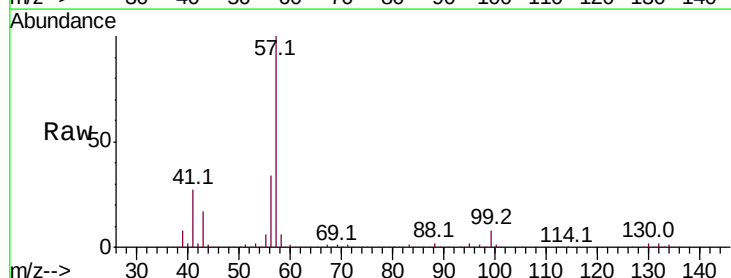
Manual Integrations
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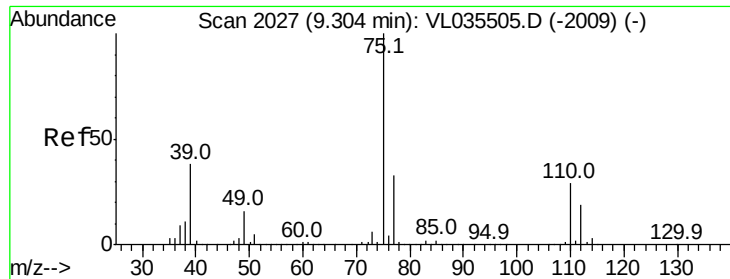
MMDadoda
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#44
2,2,4-Trimethylpentane
Concen: 10.133 ppbv
RT: 7.89 min Scan# 1588
Delta R.T. 0.00 min
Lab File: VL035527.D
Acq: 3 Sep 2020 11:40

Tgt Ion: 57 Resp: 4135014
Ion Ratio Lower Upper
57 100
41 25.4 20.5 30.7
56 31.8 25.3 37.9





#45

t-1,3-Dichloropropene

Concen: 12.661 ppbv

RT: 9.31 min Scan# 2028

Delta R.T. 0.00 min

Lab File: VL035527.D

Acq: 3 Sep 2020 11:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 75 Resp: 1538154

Ion Ratio Lower Upper

75 100

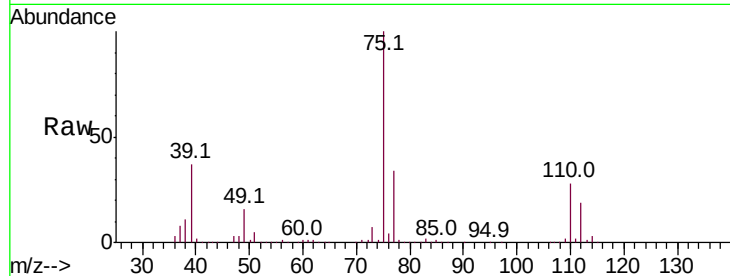
77 33.6 26.5 39.7

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Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

9.31

800000

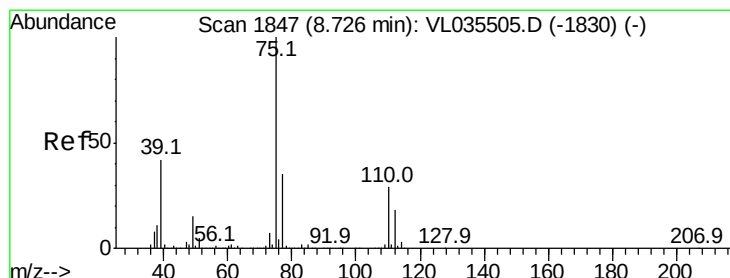
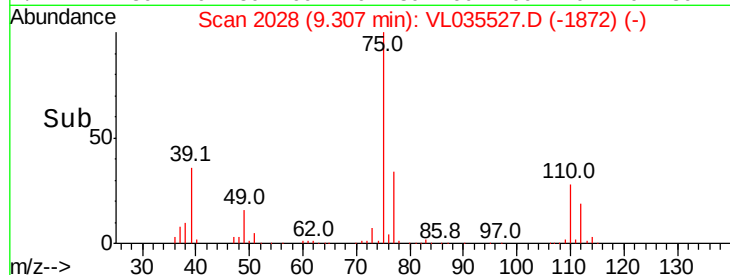
600000

400000

200000

0

Time-->



#46

cis-1,3-Dichloropropene

Concen: 12.180 ppbv

RT: 8.73 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VL035527.D

Acq: 3 Sep 2020 11:40

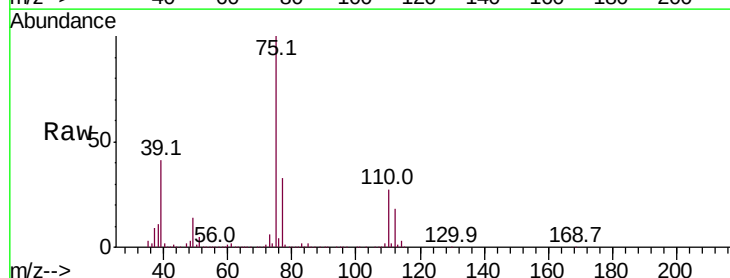
Tgt Ion: 75 Resp: 1837153

Ion Ratio Lower Upper

75 100

39 40.5 33.7 50.5

77 32.9 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

1200000

1000000

800000

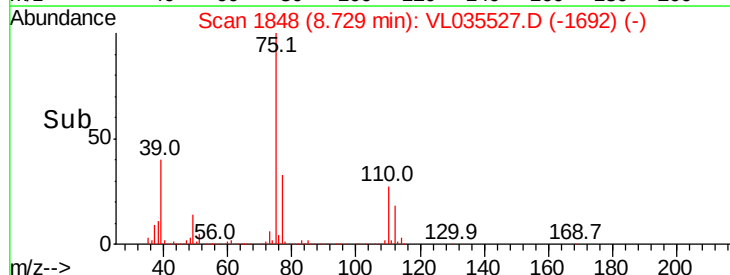
600000

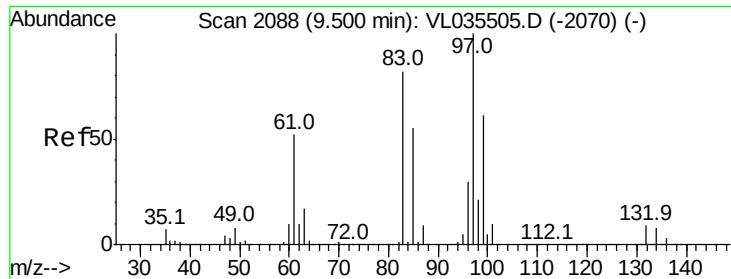
400000

200000

0

Time-->





#47
 1,1,2-Trichloroethane
 Concen: 10.423 ppbv
 RT: 9.50 min Scan# 2089
 Delta R.T. 0.00 min
 Lab File: VL035527.D
 Acq: 3 Sep 2020 11:40

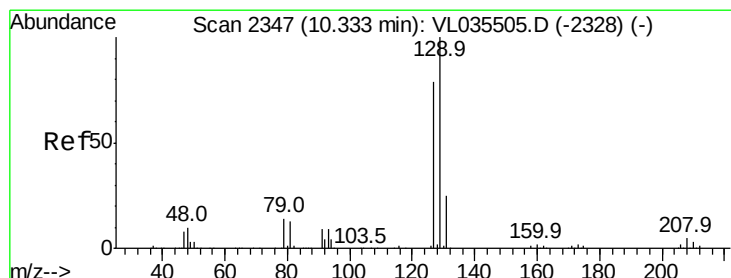
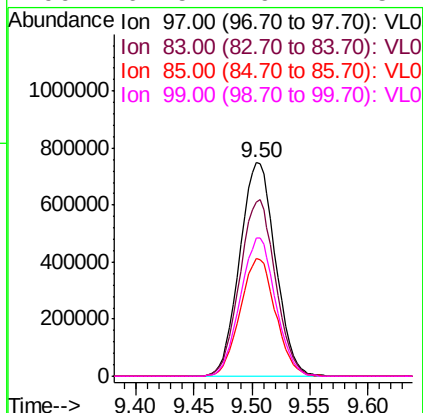
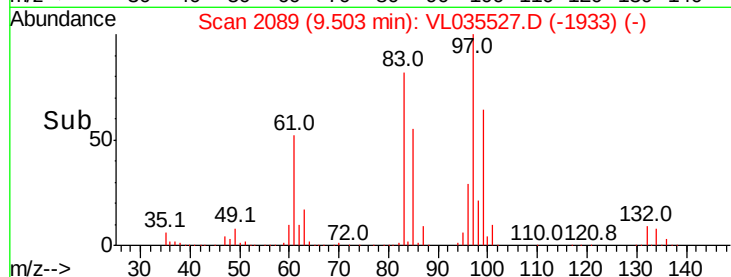
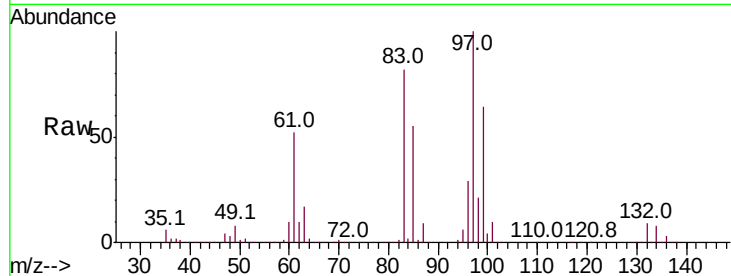
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 97 Resp: 1611399

Ion	Ratio	Lower	Upper
97	100		
83	81.7	65.4	98.2
85	54.9	43.7	65.5
99	64.5	49.1	73.7

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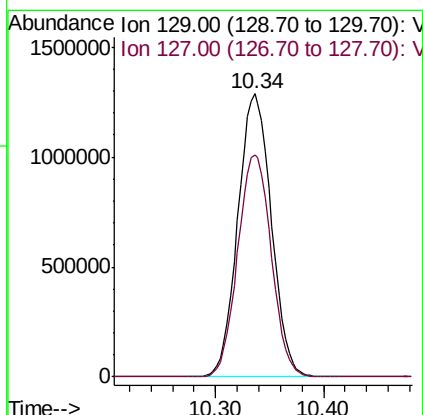
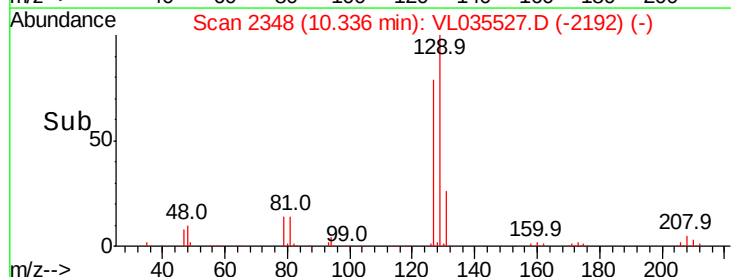
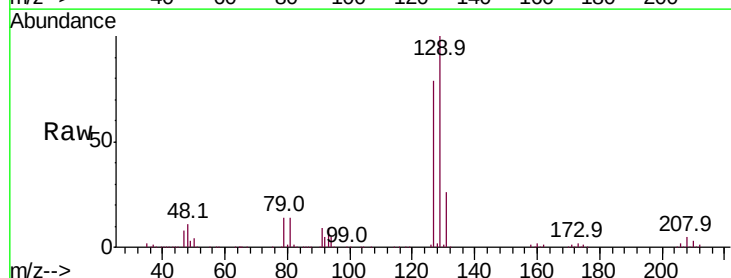
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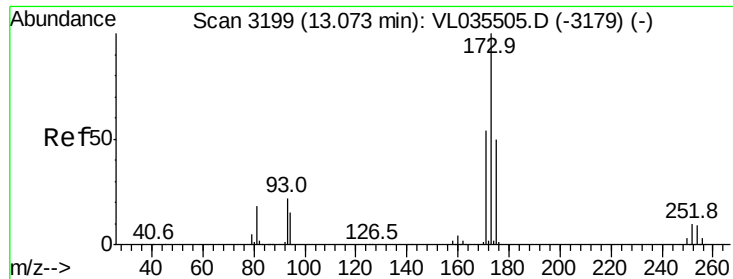


#48
 Dibromochloromethane
 Concen: 11.432 ppbv
 RT: 10.34 min Scan# 2348
 Delta R.T. 0.00 min
 Lab File: VL035527.D
 Acq: 3 Sep 2020 11:40

Tgt Ion: 129 Resp: 2781626

Ion	Ratio	Lower	Upper
129	100		
127	79.1	39.3	117.8





#49

Bromoform

Concen: 11.991 ppbv

RT: 13.08 min Scan# 3201

Delta R.T. 0.01 min

Lab File: VL035527.D

Acq: 3 Sep 2020 11:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:173 Resp: 2644043

Ion Ratio Lower Upper

173 100

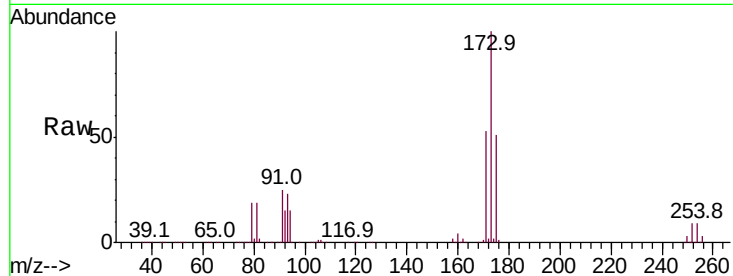
175 50.1 39.8 59.8

171 53.2 42.4 63.6

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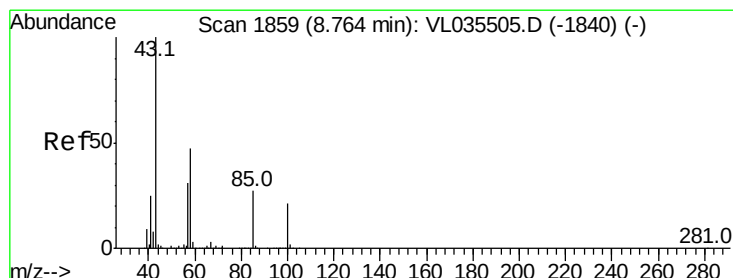
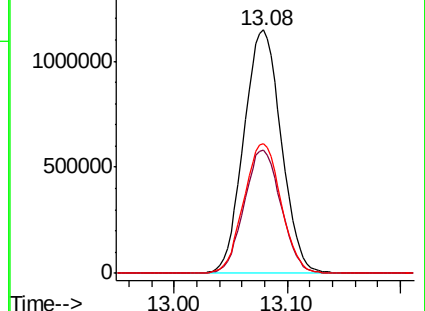
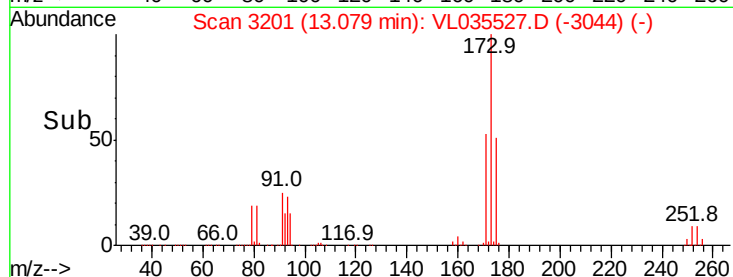
9/8/2020 4:05:39 PM



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 10.706 ppbv

RT: 8.77 min Scan# 1860

Delta R.T. 0.00 min

Lab File: VL035527.D

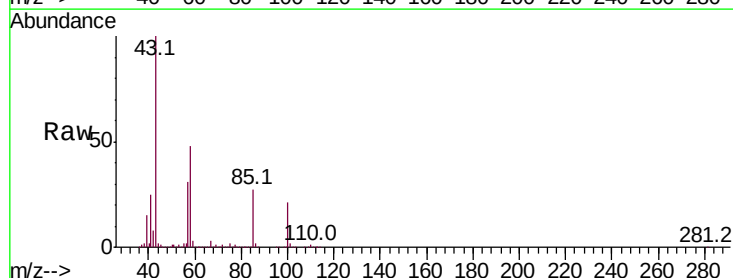
Acq: 3 Sep 2020 11:40

Tgt Ion: 43 Resp: 2204263

Ion Ratio Lower Upper

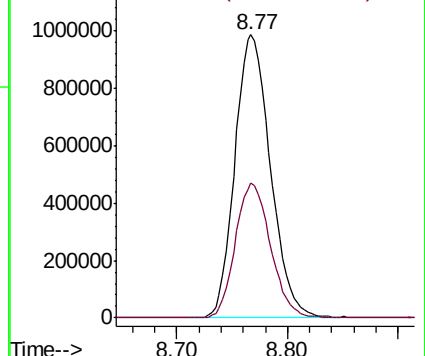
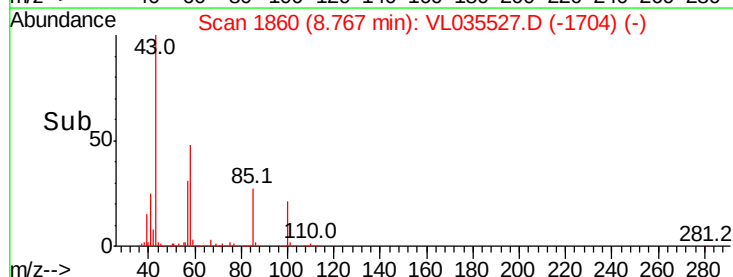
43 100

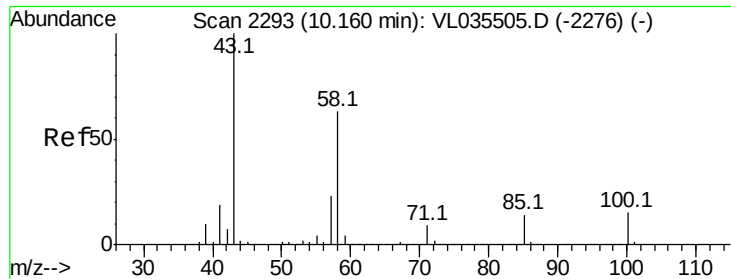
58 47.2 37.4 56.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





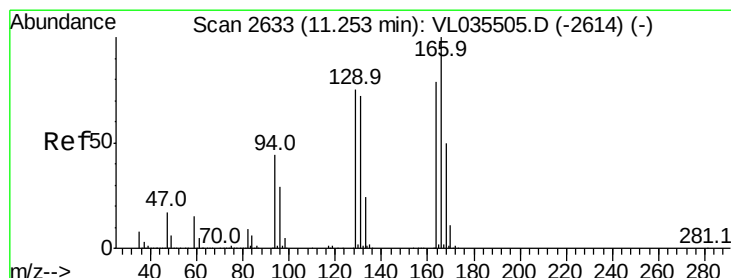
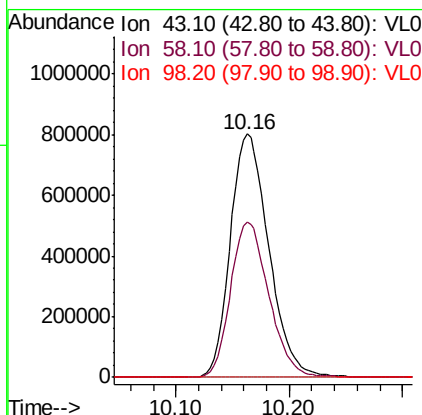
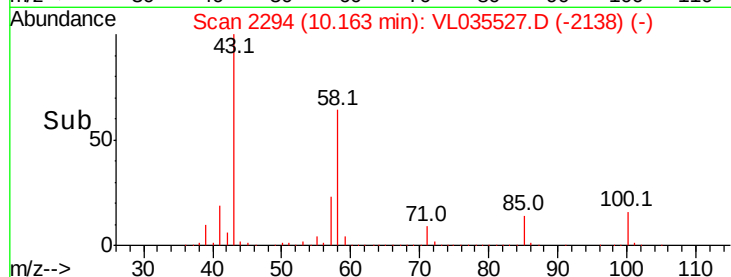
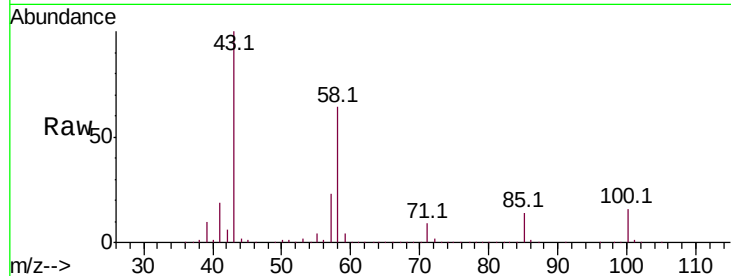
#51
2-Hexanone
Concen: 11.225 ppbv
RT: 10.16 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VL035527.D
Acq: 3 Sep 2020 11:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 43 Resp: 1895844
Ion Ratio Lower Upper
43 100
58 63.8 50.2 75.4
98 0.4 0.4 0.6

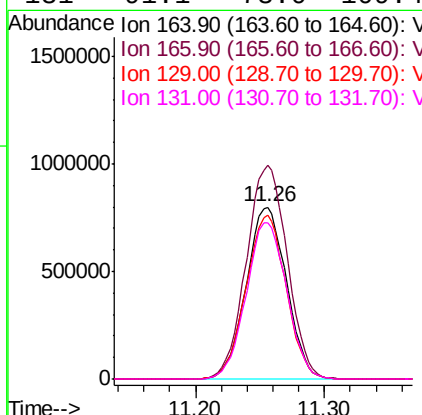
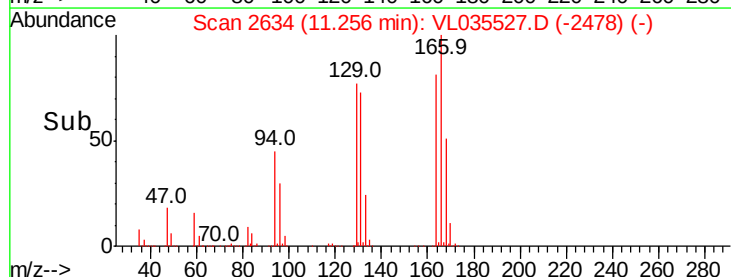
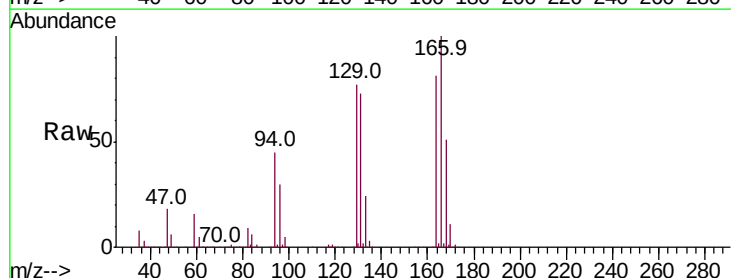
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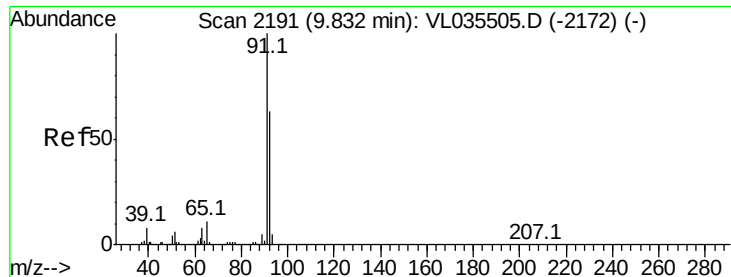
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#52
Tetrachloroethene
Concen: 9.593 ppbv
RT: 11.26 min Scan# 2634
Delta R.T. 0.00 min
Lab File: VL035527.D
Acq: 3 Sep 2020 11:40

Tgt Ion: 164 Resp: 1738042
Ion Ratio Lower Upper
164 100
166 124.0 100.9 151.3
129 95.4 75.3 112.9
131 91.1 73.0 109.4





#53

Toluene

Concen: 10.618 ppbv

RT: 9.83 min Scan# 2192

Delta R.T. 0.00 min

Lab File: VL035527.D

Acq: 3 Sep 2020 11:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 4141295

Ion Ratio Lower Upper

91 100

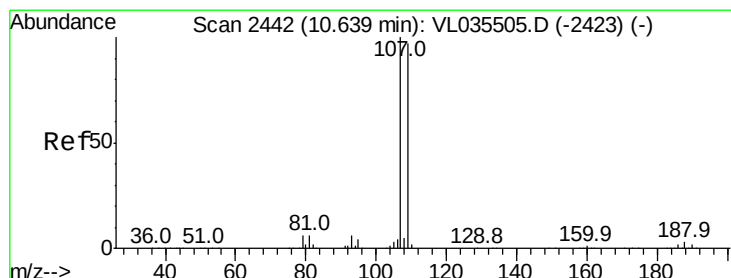
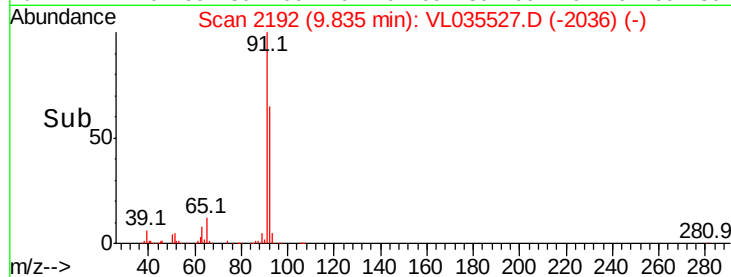
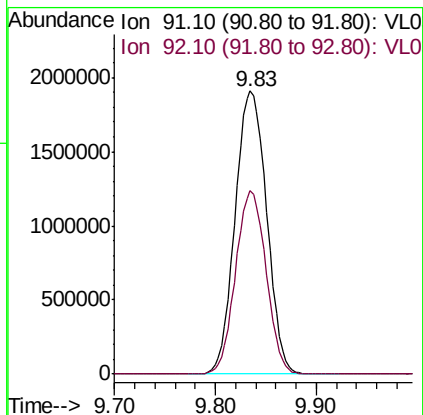
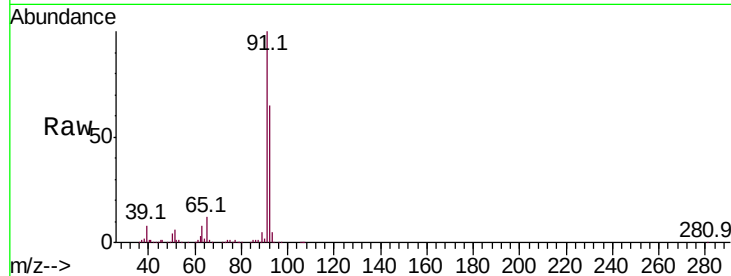
92 62.8 49.8 74.8

Manual Integrations

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#54

1,2-Dibromoethane

Concen: 10.521 ppbv

RT: 10.64 min Scan# 2443

Delta R.T. 0.00 min

Lab File: VL035527.D

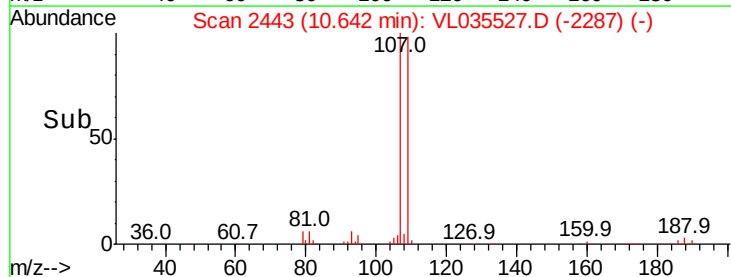
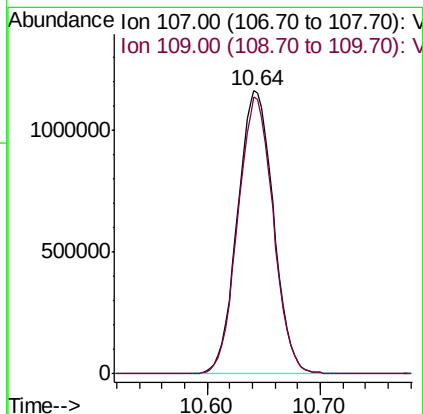
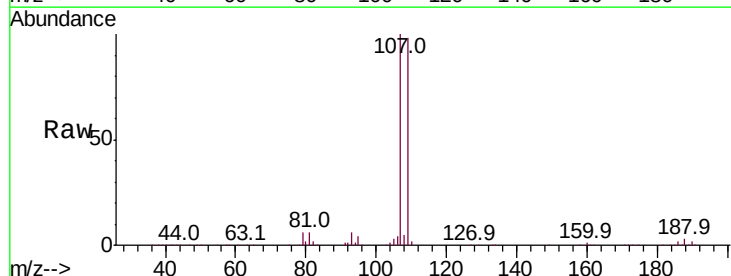
Acq: 3 Sep 2020 11:40

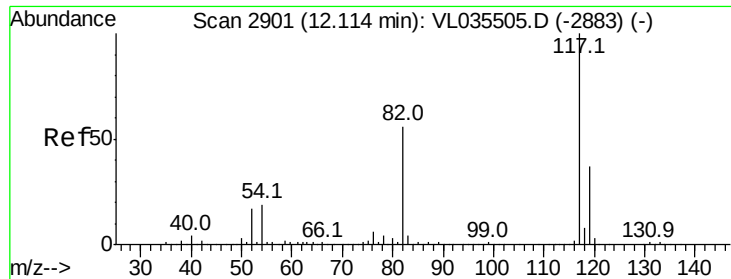
Tgt Ion: 107 Resp: 2570108

Ion Ratio Lower Upper

107 100

109 97.8 77.8 116.8





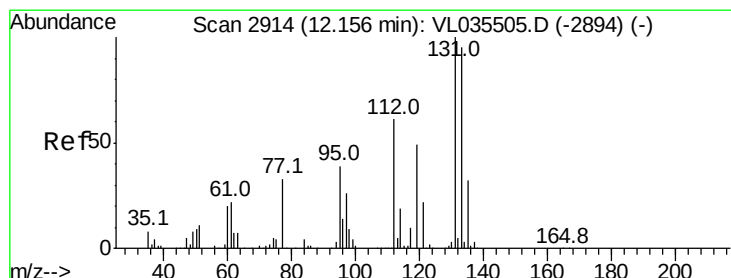
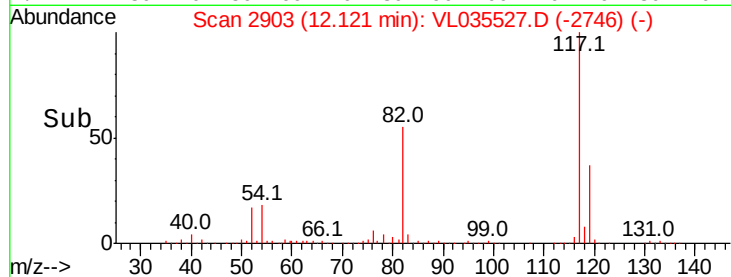
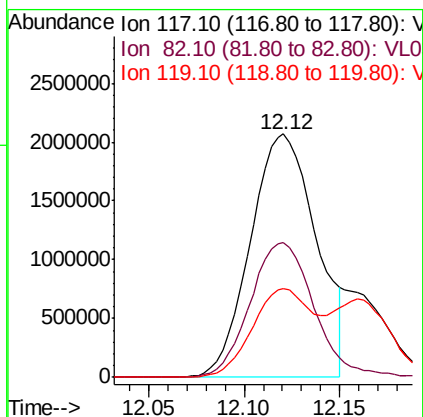
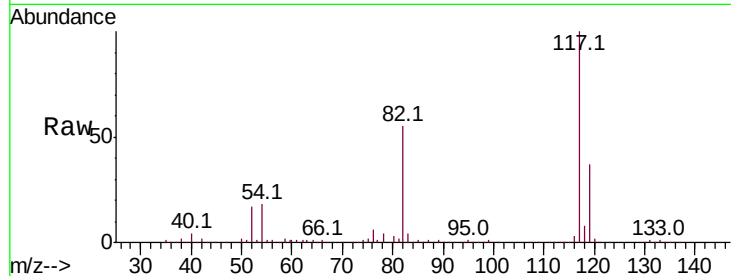
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.12 min Scan# 2903
Delta R.T. 0.01 min
Lab File: VL035527.D
Acq: 3 Sep 2020 11:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:117 Resp: 4961991
Ion Ratio Lower Upper
117 100
82 54.0 41.6 62.4
119 33.3 29.3 43.9

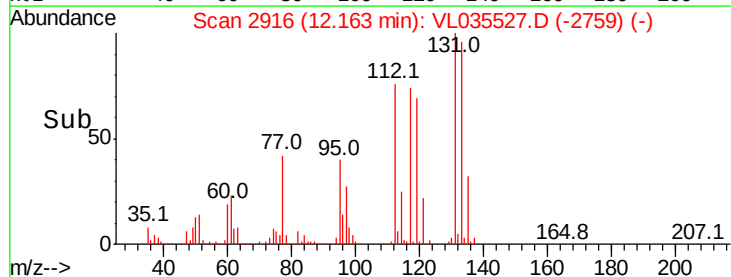
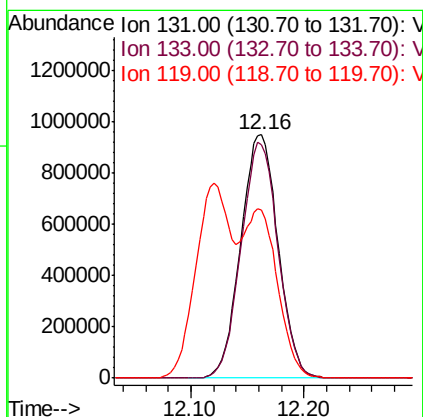
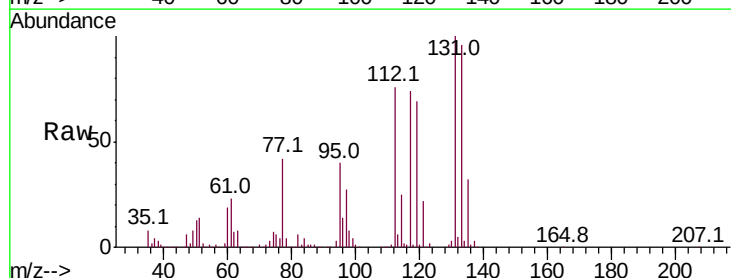
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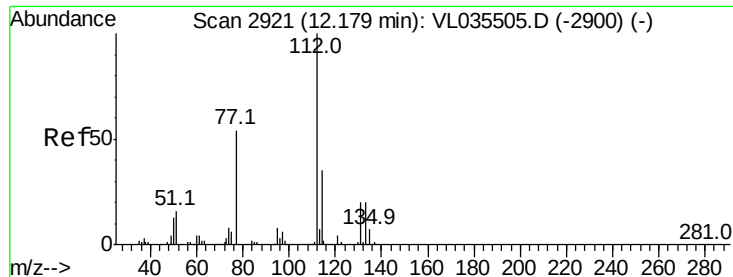
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#56
1,1,1,2-Tetrachloroethane
Concen: 10.792 ppbv
RT: 12.16 min Scan# 2916
Delta R.T. 0.01 min
Lab File: VL035527.D
Acq: 3 Sep 2020 11:40

Tgt Ion:131 Resp: 2178879
Ion Ratio Lower Upper
131 100
133 96.1 76.6 115.0
119 61.3 51.6 77.4





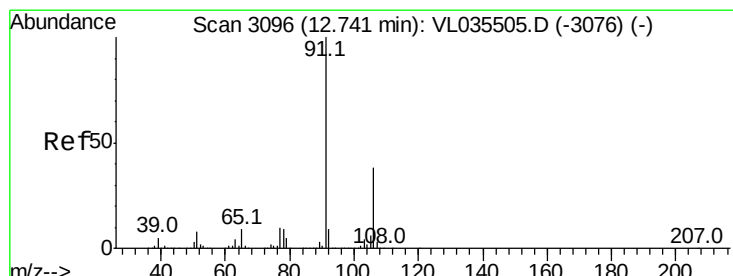
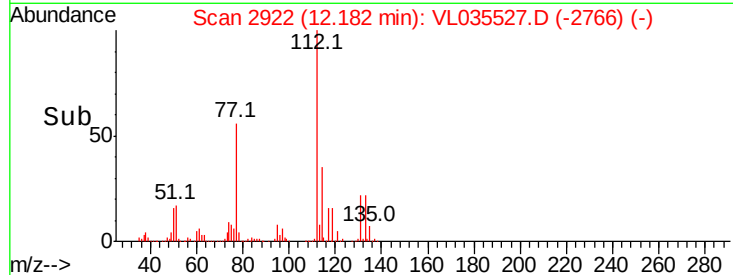
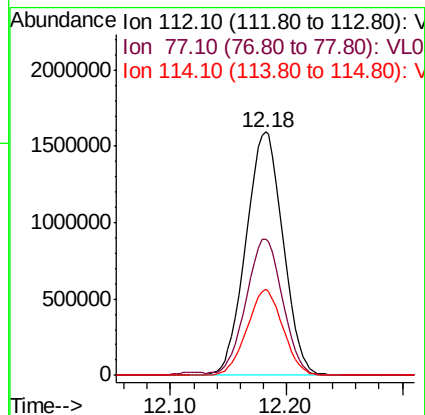
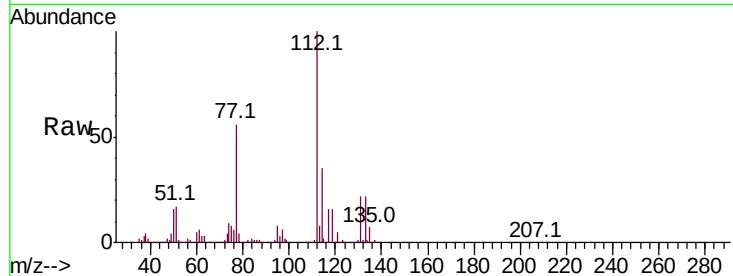
#57
Chlorobenzene
Concen: 9.732 ppbv
RT: 12.18 min Scan# 2922
Delta R.T. 0.00 min
Lab File: VL035527.D
Acq: 3 Sep 2020 11:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
112	100		
77	55.7	44.2	66.4
114	35.2	31.6	38.6

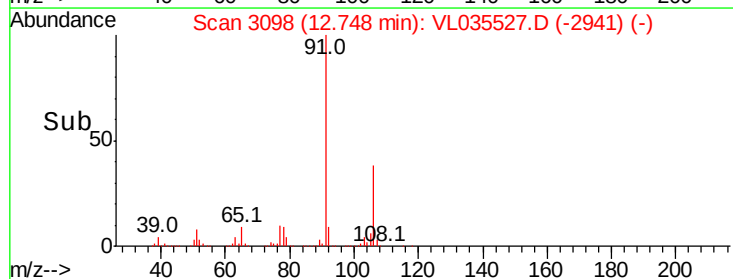
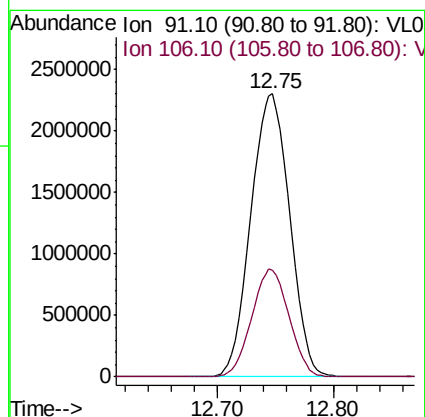
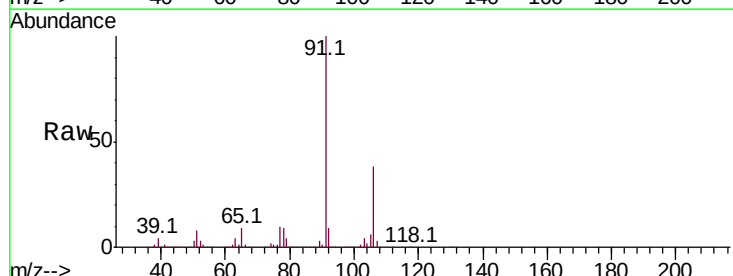
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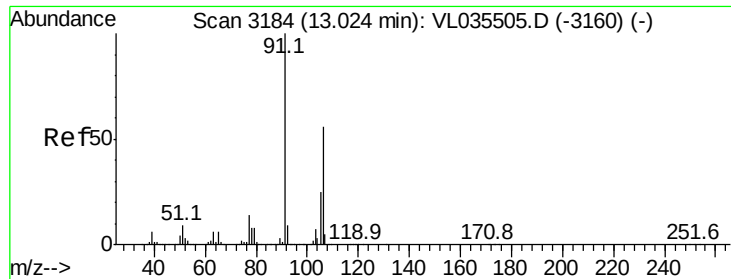
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#58
Ethyl Benzene
Concen: 10.499 ppbv
RT: 12.75 min Scan# 3098
Delta R.T. 0.01 min
Lab File: VL035527.D
Acq: 3 Sep 2020 11:40

Tgt Ion	Ratio	Lower	Upper
91	100		
106	37.9	30.3	45.5





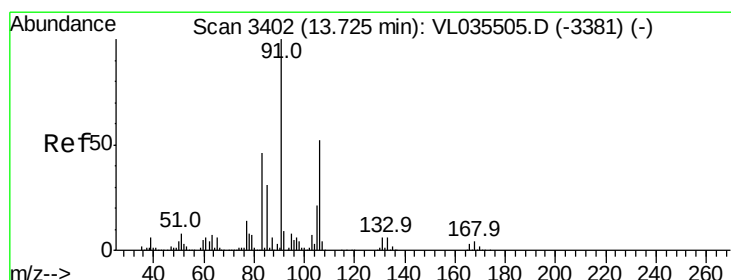
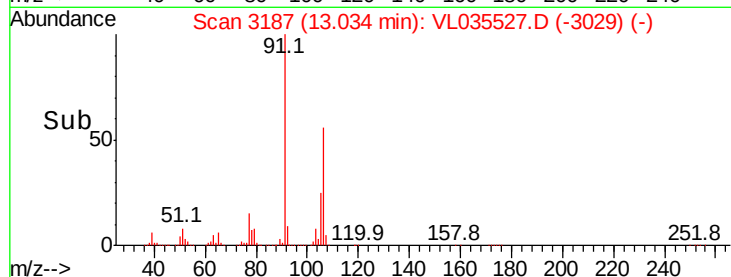
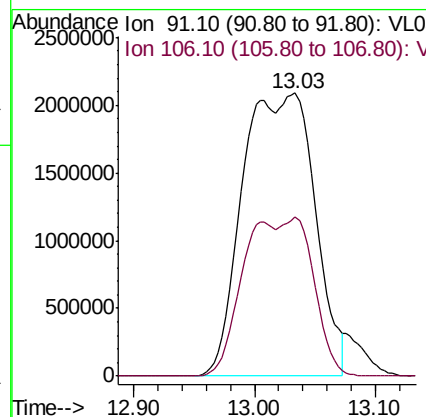
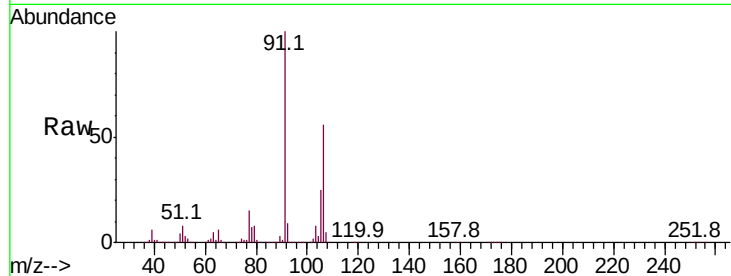
#59
m/p-Xylene
Concen: 20.228 ppbv m
RT: 13.03 min Scan# 3187
Delta R.T. 0.01 min
Lab File: VL035527.D
Acq: 3 Sep 2020 11:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 91 Resp: 8648644
Ion Ratio Lower Upper
91 100
106 54.1 43.4 65.2

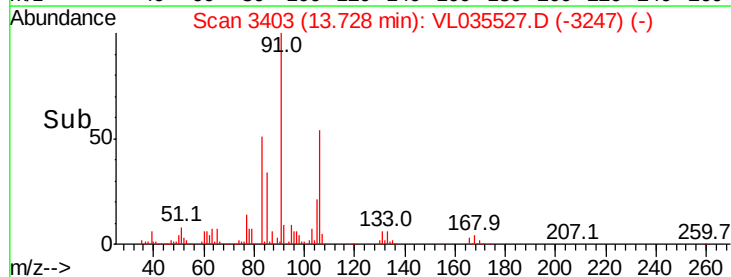
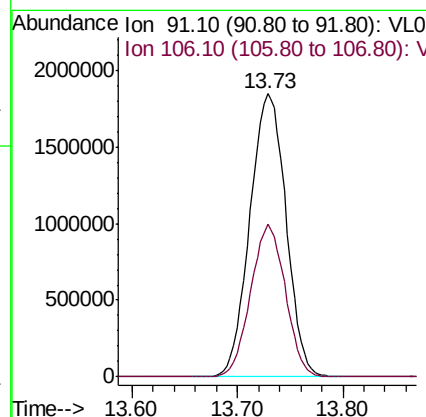
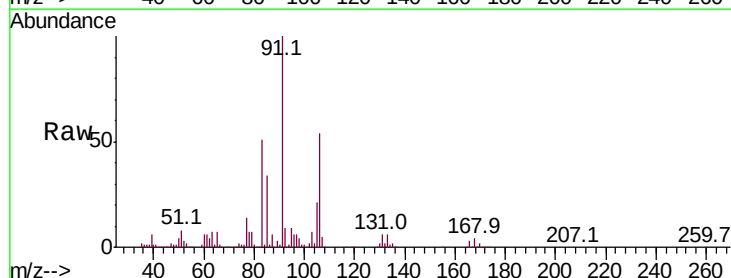
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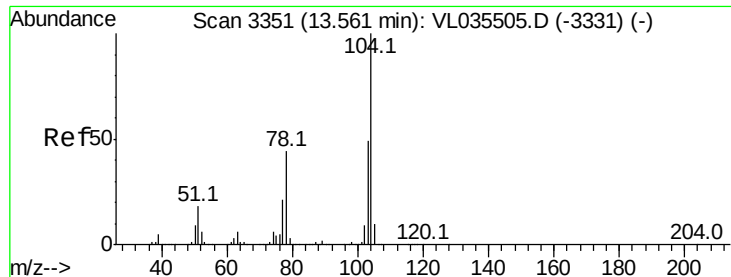
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#60
o-Xylene
Concen: 10.225 ppbv
RT: 13.73 min Scan# 3403
Delta R.T. 0.00 min
Lab File: VL035527.D
Acq: 3 Sep 2020 11:40

Tgt Ion: 91 Resp: 4403006
Ion Ratio Lower Upper
91 100
106 51.8 25.8 77.4





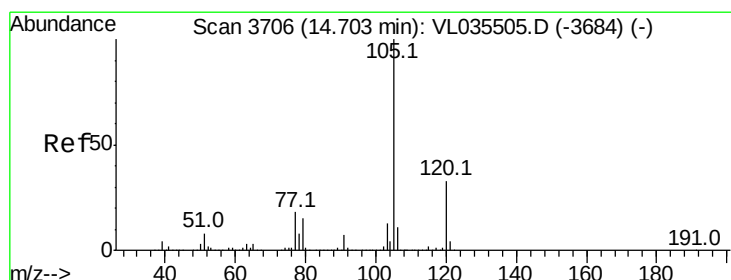
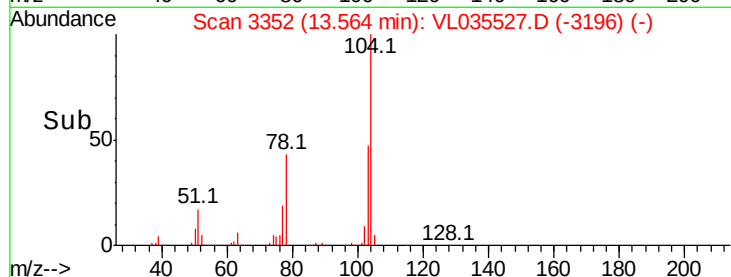
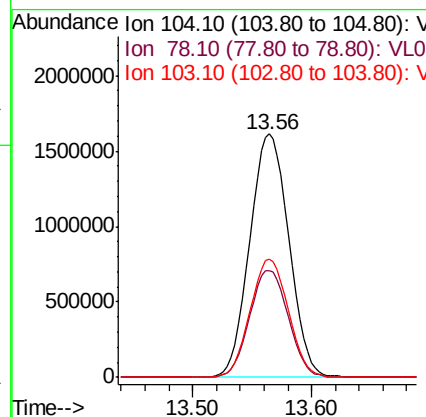
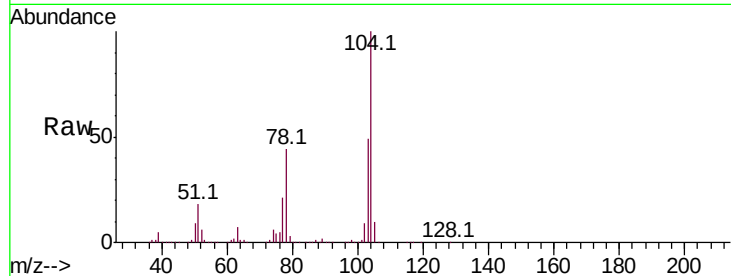
#61
Stvrene
Concen: 11.142 ppbv
RT: 13.56 min Scan# 3352
Delta R.T. 0.00 min
Lab File: VL035527.D
Acq: 3 Sep 2020 11:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
104	100		
78	43.7	34.8	52.2
103	47.7	38.2	57.4

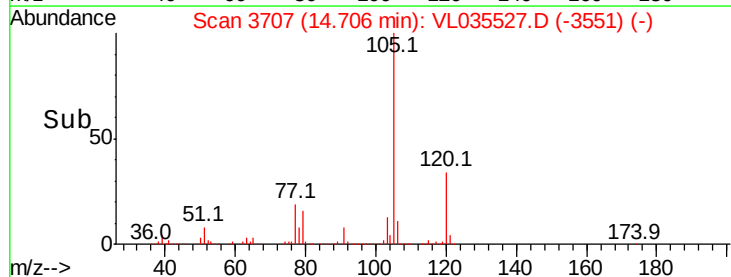
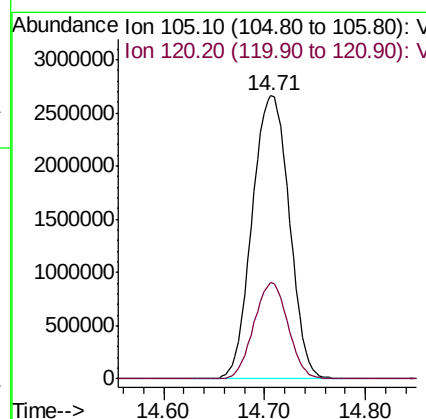
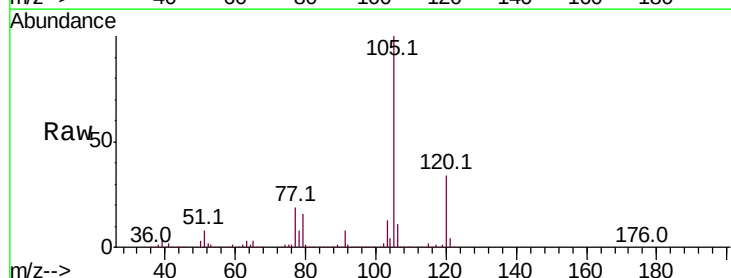
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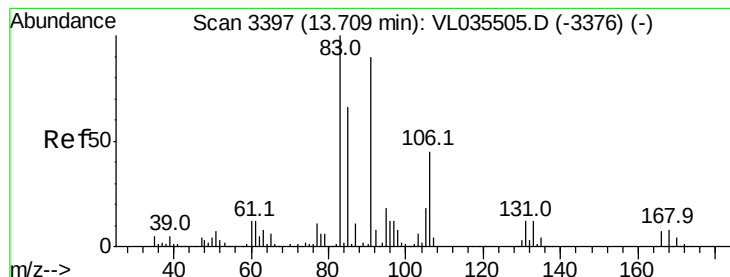
MMDadoda
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#62
Isopropylbenzene
Concen: 9.813 ppbv
RT: 14.71 min Scan# 3707
Delta R.T. 0.00 min
Lab File: VL035527.D
Acq: 3 Sep 2020 11:40

Tgt Ion	Ratio	Lower	Upper
105	100		
120	31.3	25.0	37.4





#63

1,1,2,2-Tetrachloroethane

Concen: 9.470 ppbv

RT: 13.72 min Scan# 3399

Delta R.T. 0.01 min

Lab File: VL035527.D

Acq: 3 Sep 2020 11:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 83 Resp: 3161806

Ion Ratio Lower Upper

83 100

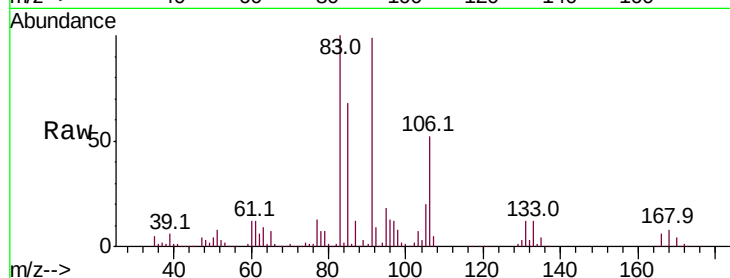
131 11.8 6.0 18.0

85 67.4 33.4 100.2

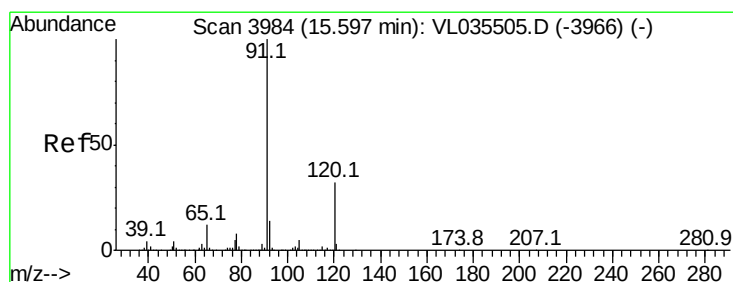
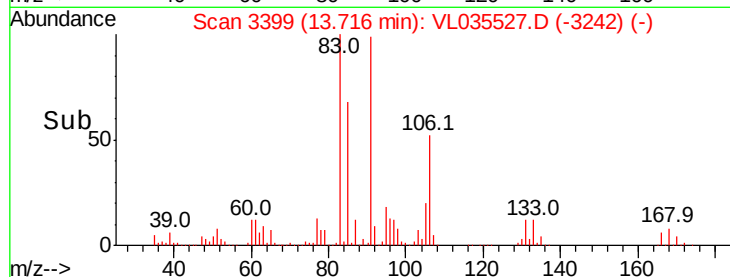
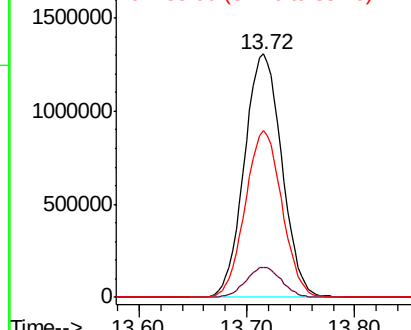
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Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 131.00 (130.70 to 131.70): V
Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 10.355 ppbv

RT: 15.60 min Scan# 3986

Delta R.T. 0.01 min

Lab File: VL035527.D

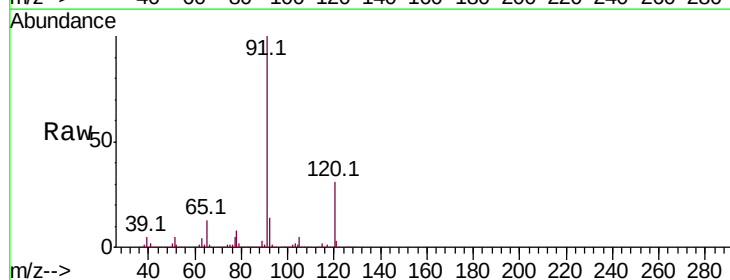
Acq: 3 Sep 2020 11:40

Tgt Ion:120 Resp: 2185832

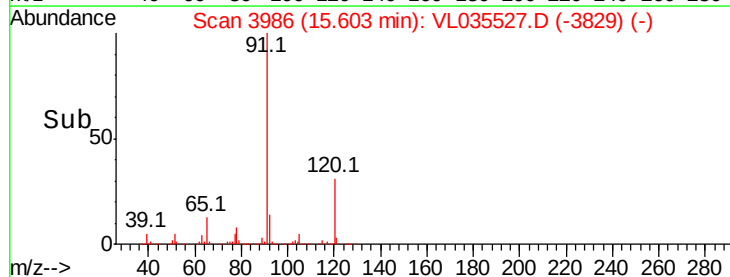
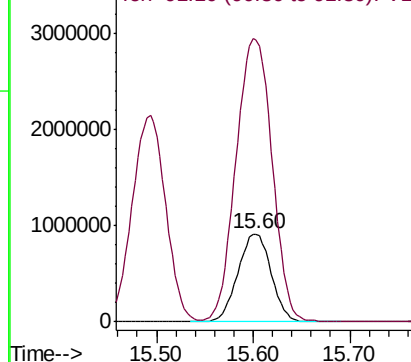
Ion Ratio Lower Upper

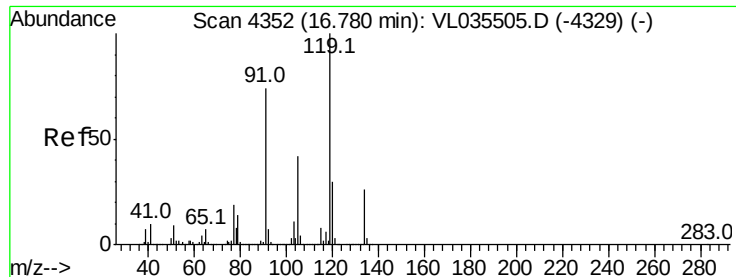
120 100

91 350.3 279.4 419.0



Abundance Ion 120.20 (119.90 to 120.90): V
Ion 91.10 (90.80 to 91.80): VL0





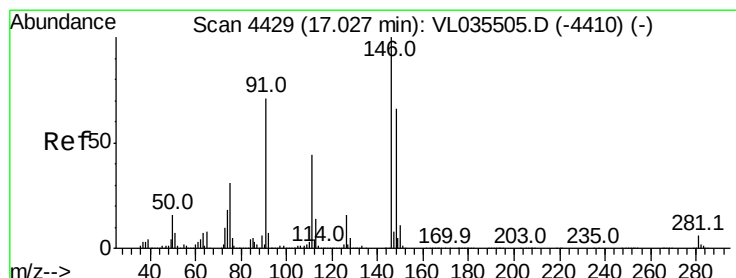
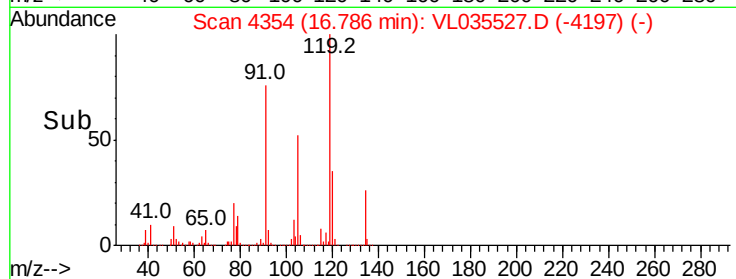
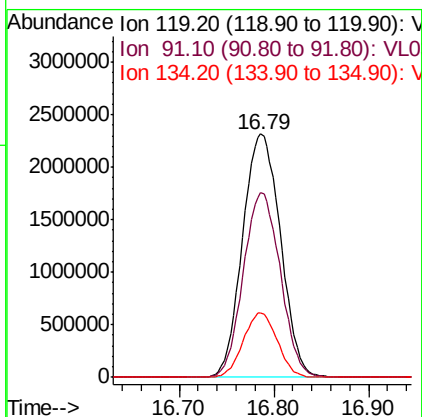
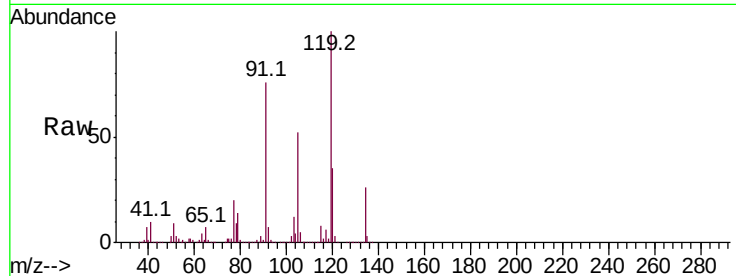
#65
tert-Butylbenzene
Concen: 10.023 ppbv
RT: 16.79 min Scan# 4354
Delta R.T. 0.01 min
Lab File: VL035527.D
Acq: 3 Sep 2020 11:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
119	100		
91	74.1	58.6	87.8
134	23.8	18.9	28.3

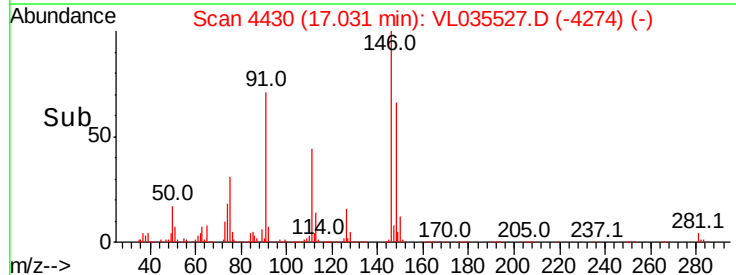
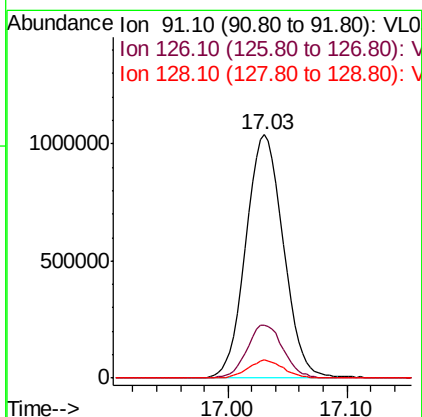
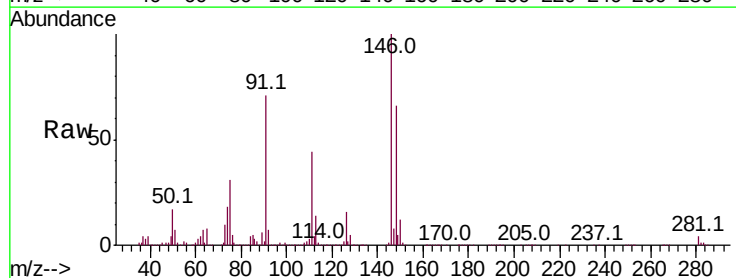
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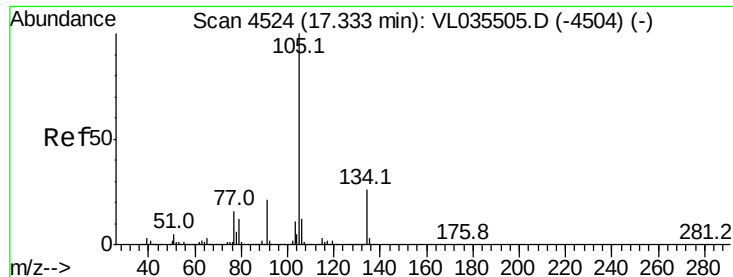
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#66
Benzyl Chloride
Concen: 14.187 ppbv
RT: 17.03 min Scan# 4430
Delta R.T. 0.00 min
Lab File: VL035527.D
Acq: 3 Sep 2020 11:40

Tgt Ion	Ratio	Lower	Upper
91	100		
126	21.3	17.2	25.8
128	7.0	5.5	8.3





#67

sec-Butylbenzene

Concen: 9.687 ppbv

RT: 17.34 min Scan# 4525

Delta R.T. 0.00 min

Lab File: VL035527.D

Acq: 3 Sep 2020 11:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:105 Resp: 8298582

Ion Ratio Lower Upper

105 100

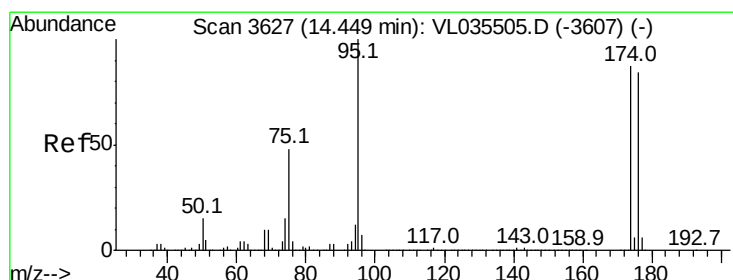
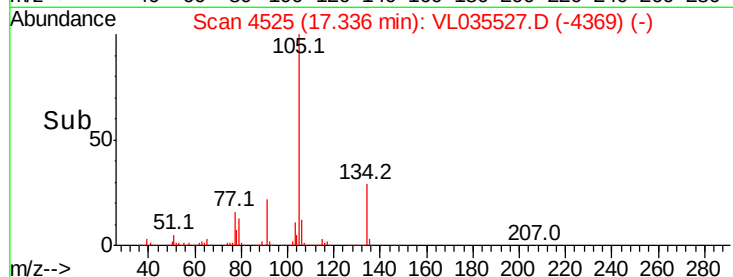
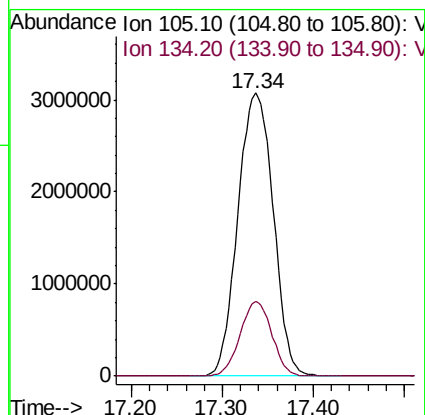
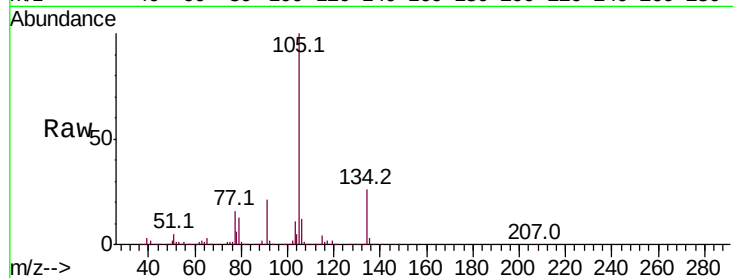
134 23.8 19.1 28.7

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#68

1-Bromo-4-Fluorobenzene

Concen: 10.038 ppbv

RT: 14.46 min Scan# 3629

Delta R.T. 0.01 min

Lab File: VL035527.D

Acq: 3 Sep 2020 11:40

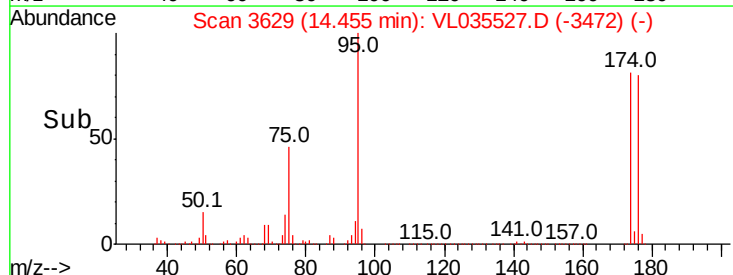
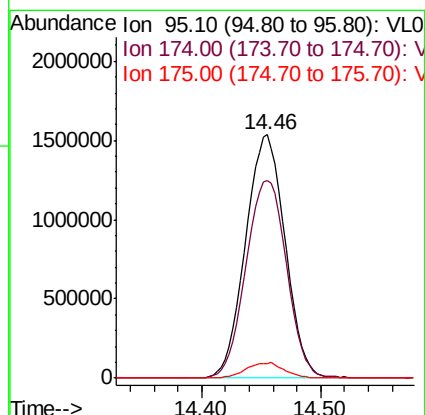
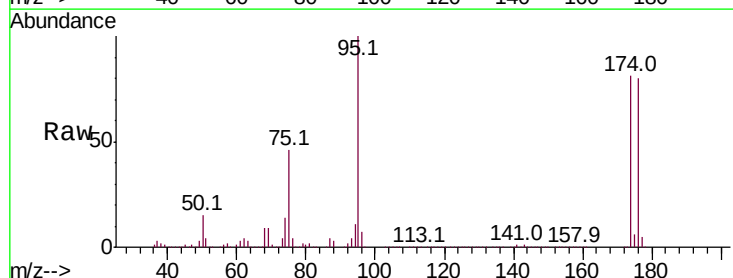
Tgt Ion: 95 Resp: 3537316

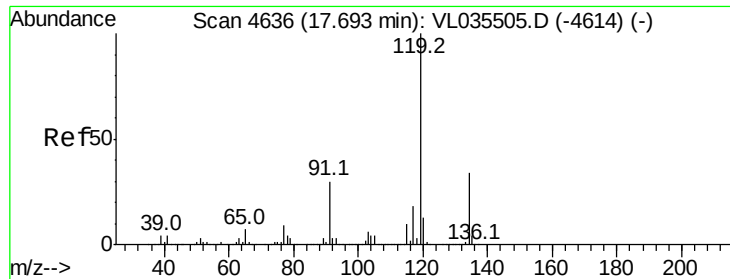
Ion Ratio Lower Upper

95 100

174 84.1 69.6 104.4

175 6.1 5.1 7.7





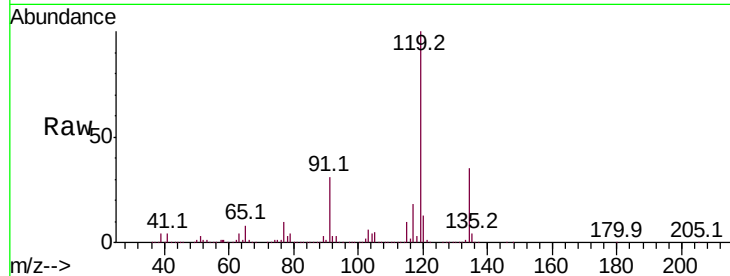
#69
p-Isopropyltoluene
Concen: 9.754 ppbv
RT: 17.70 min Scan# 4637
Delta R.T. 0.00 min
Lab File: VL035527.D
Acq: 3 Sep 2020 11:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

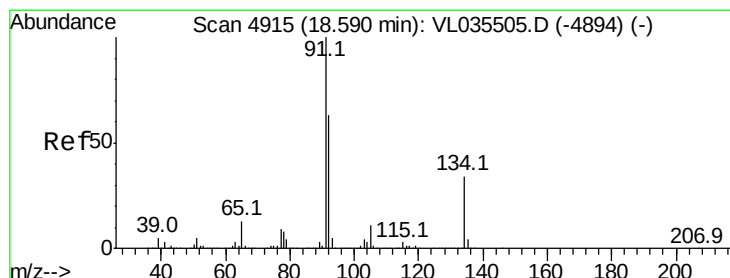
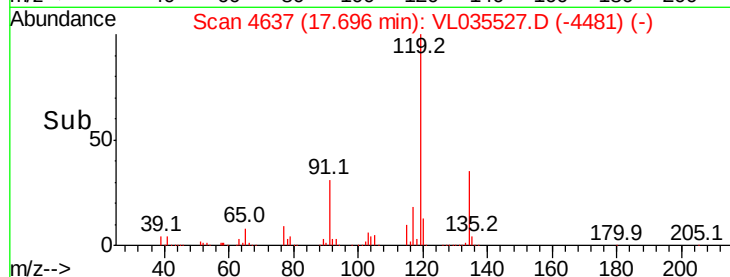
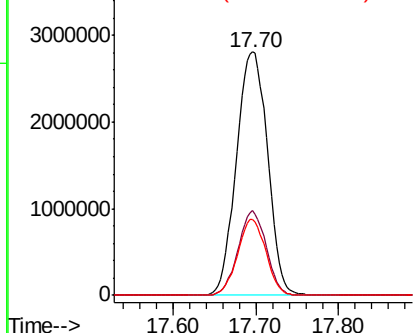
Tot Ion	Ratio	Lower	Upper
119	100		
134	31.4	25.0	37.4
91	28.5	22.3	33.5

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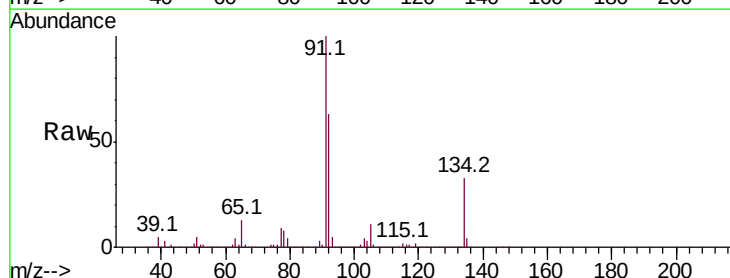


Abundance Ion 119.10 (118.80 to 119.80): V
Ion 134.20 (133.90 to 134.90): V
Ion 91.10 (90.80 to 91.80): V

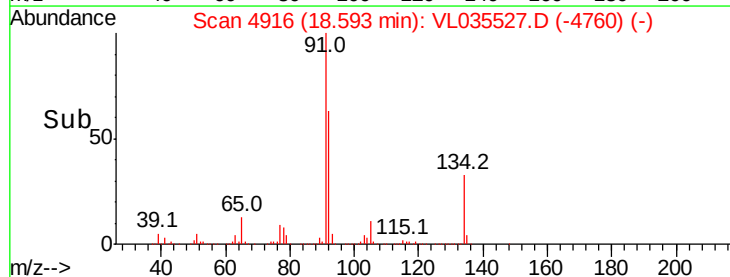
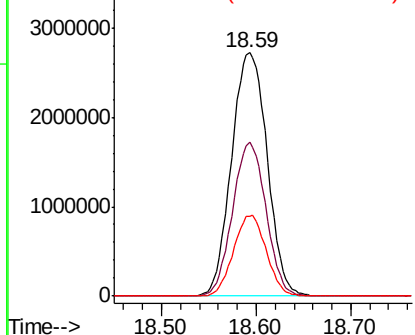


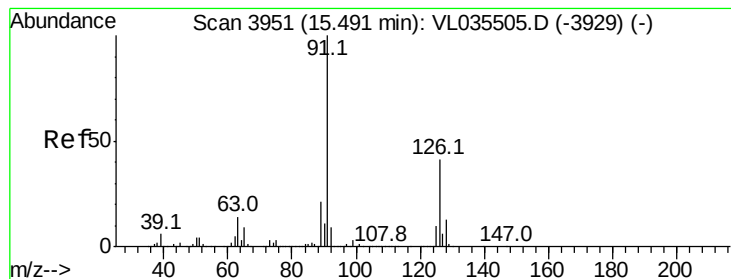
#70
n-Butylbenzene
Concen: 9.846 ppbv
RT: 18.59 min Scan# 4916
Delta R.T. 0.00 min
Lab File: VL035527.D
Acq: 3 Sep 2020 11:40

Tgt Ion	Ratio	Lower	Upper
91	100		
92	59.3	47.3	70.9
134	30.7	24.6	37.0



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





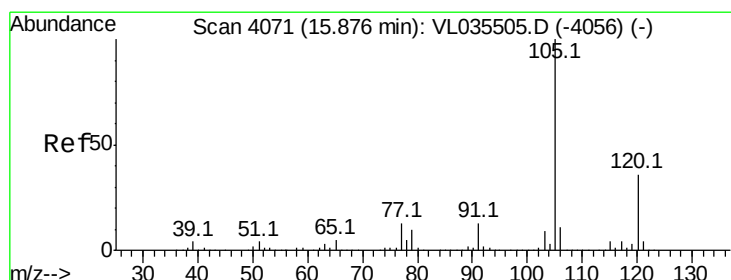
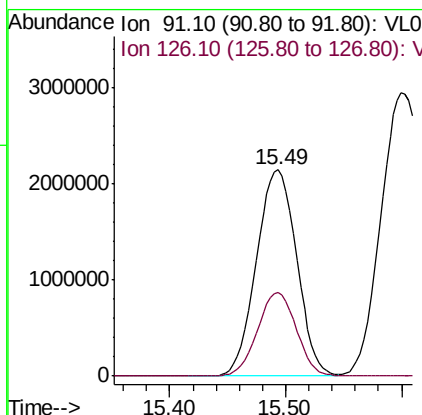
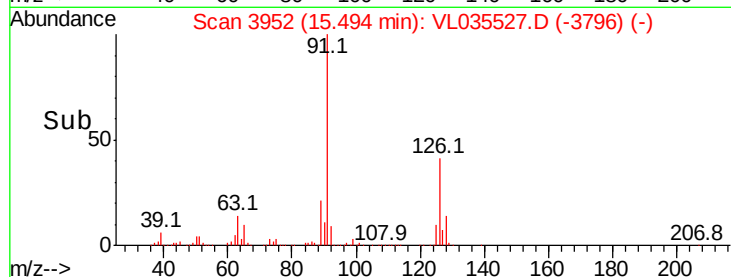
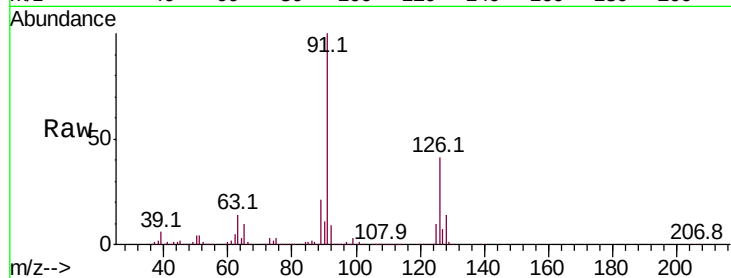
#71
 2-Chlorotoluene
 Concen: 10.266 ppbv
 RT: 15.49 min Scan# 3952
 Delta R.T. 0.00 min
 Lab File: VL035527.D
 Acq: 3 Sep 2020 11:40

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 91 Resp: 5171609
 Ion Ratio Lower Upper
 91 100
 126 39.2 15.6 62.6

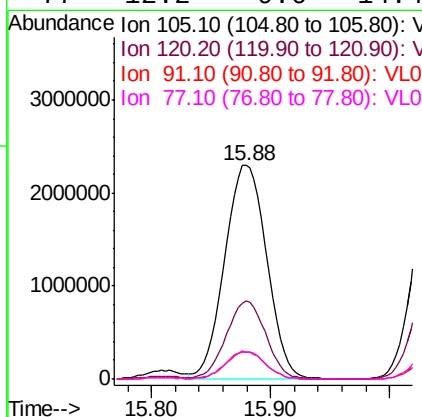
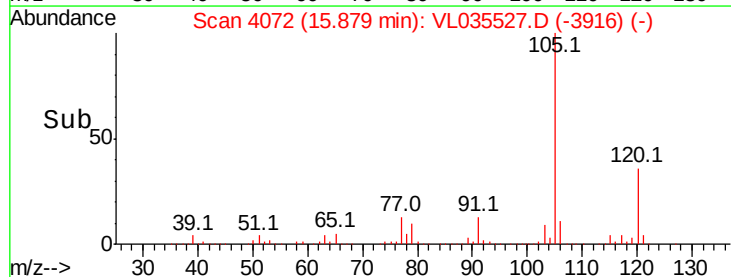
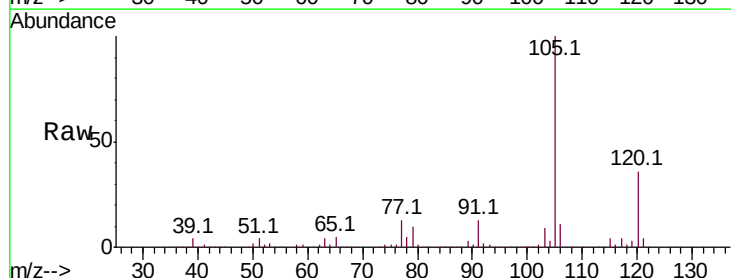
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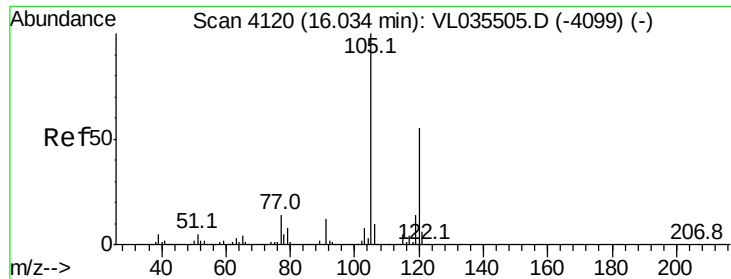
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#72
 4-Ethyltoluene
 Concen: 10.241 ppbv
 RT: 15.88 min Scan# 4072
 Delta R.T. 0.00 min
 Lab File: VL035527.D
 Acq: 3 Sep 2020 11:40

Tgt Ion: 105 Resp: 5606729
 Ion Ratio Lower Upper
 105 100
 120 34.6 27.4 41.2
 91 12.2 9.7 14.5
 77 12.2 9.6 14.4





#73

1,3,5-Trimethylbenzene

Concen: 10.337 ppbv

RT: 16.04 min Scan# 4121

Delta R.T. 0.00 min

Lab File: VL035527.D

Acq: 3 Sep 2020 11:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:105 Resp: 5234041

Ion Ratio Lower Upper

105 100

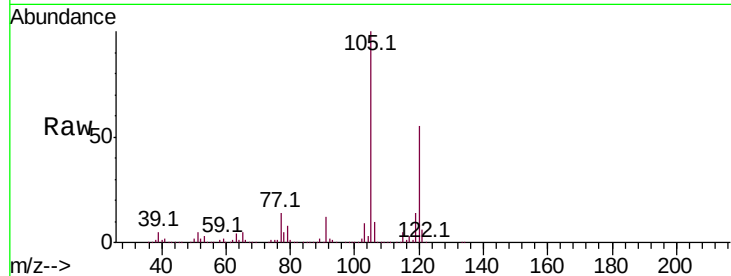
120 54.8 44.2 66.2

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

2500000

2000000

1500000

1000000

500000

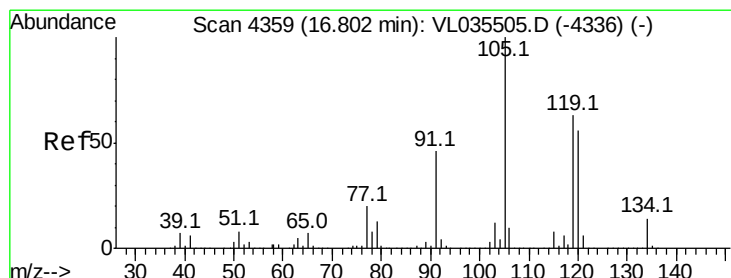
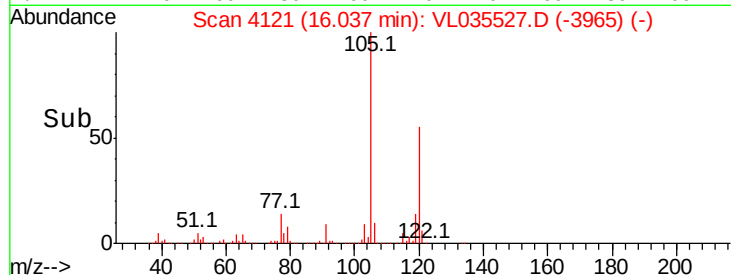
0

16.04

16.00

16.10

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 9.794 ppbv

RT: 16.81 min Scan# 4360

Delta R.T. 0.00 min

Lab File: VL035527.D

Acq: 3 Sep 2020 11:40

Tgt Ion:105 Resp: 5445865

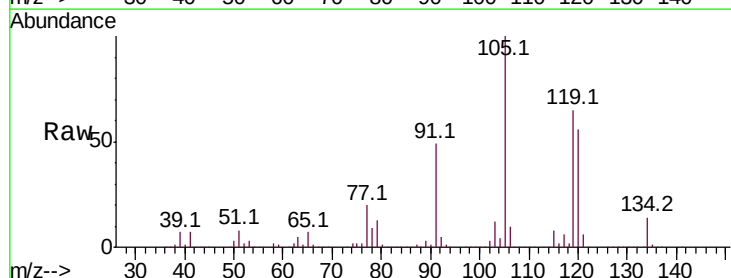
Ion Ratio Lower Upper

105 100

120 56.1 44.4 66.6

91 49.0 37.1 55.7

77 20.3 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): VL0

Ion 77.10 (76.80 to 77.80): VL0

3000000

2000000

1000000

0

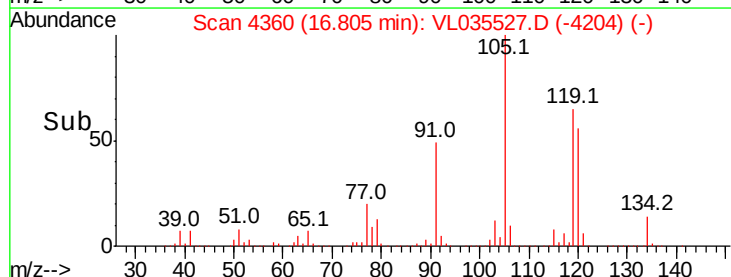
16.81

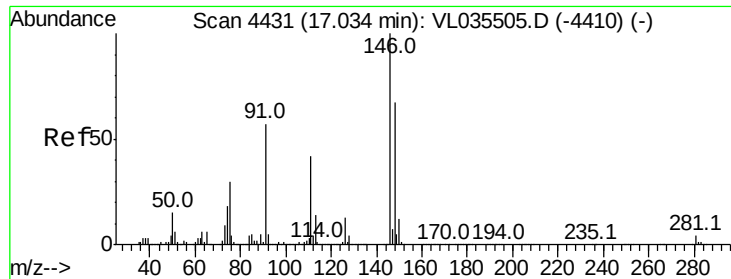
16.70

16.80

16.90

Time-->





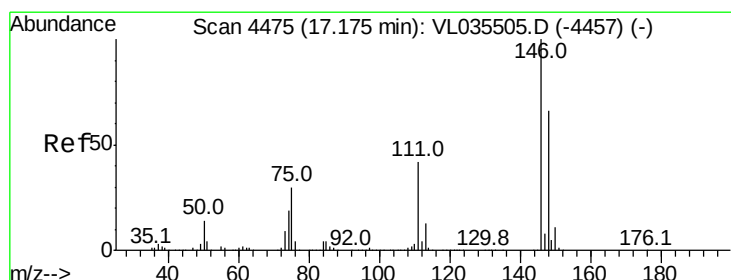
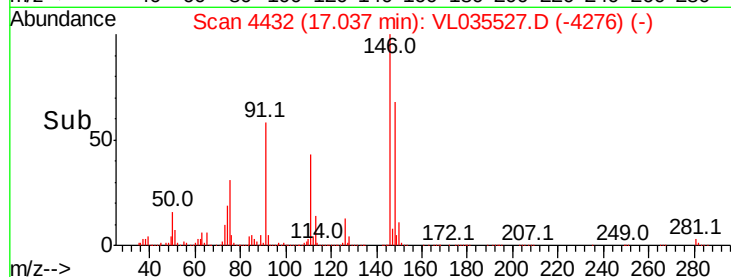
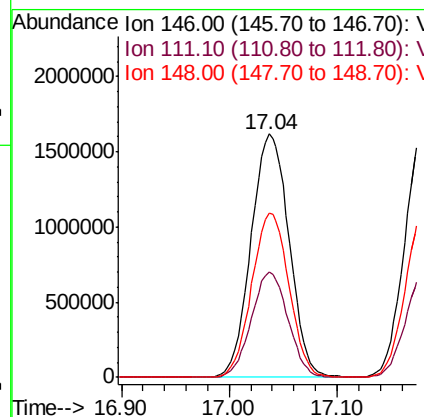
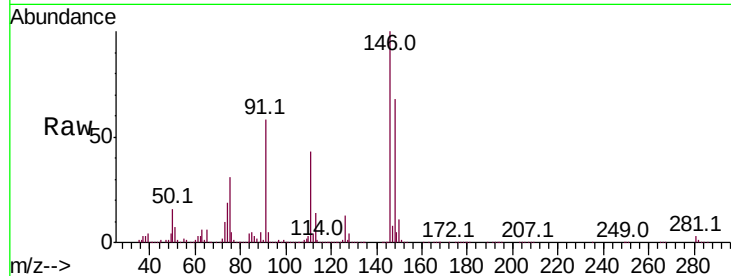
#75
 1,3-Dichlorobenzene
 Concen: 9.598 ppbv
 RT: 17.04 min Scan# 4432
 Delta R.T. 0.00 min
 Lab File: VL035527.D
 Acq: 3 Sep 2020 11:40

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:146 Resp: 3953380
 Ion Ratio Lower Upper
 146 100
 111 41.8 20.7 62.1
 148 66.1 33.0 98.9

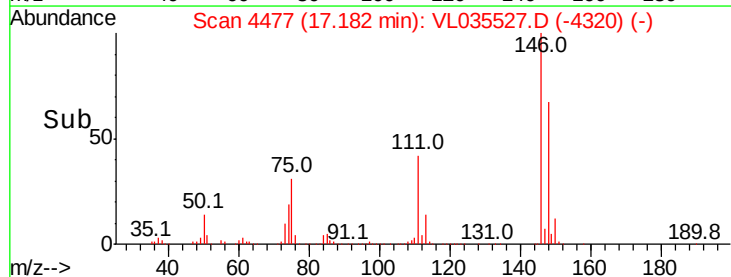
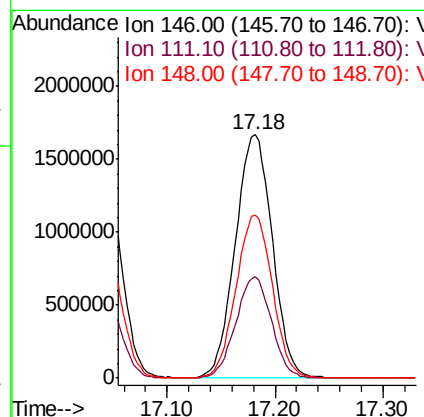
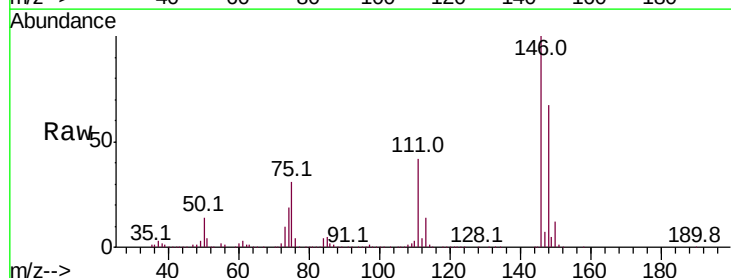
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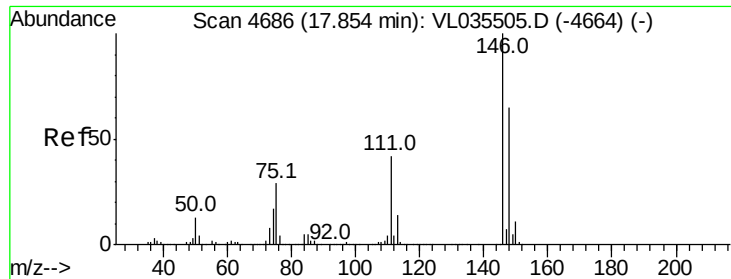
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#76
 1,4-Dichlorobenzene
 Concen: 9.770 ppbv
 RT: 17.18 min Scan# 4477
 Delta R.T. 0.01 min
 Lab File: VL035527.D
 Acq: 3 Sep 2020 11:40

Tgt Ion:146 Resp: 3968940
 Ion Ratio Lower Upper
 146 100
 111 40.5 20.0 60.0
 148 66.5 33.2 99.6





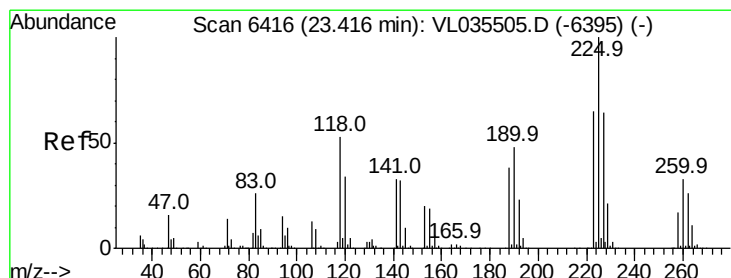
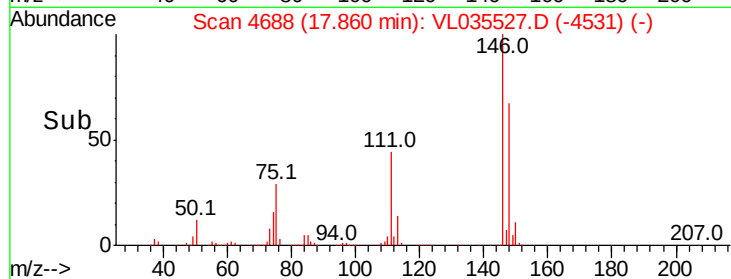
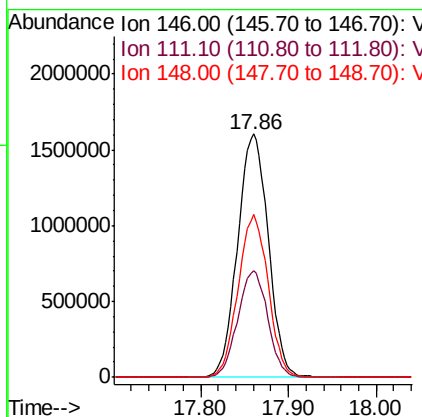
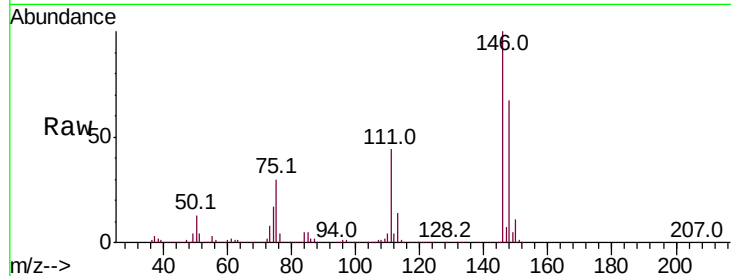
#77
 1,2-Dichlorobenzene
 Concen: 9.793 ppbv
 RT: 17.86 min Scan# 4686
 Delta R.T. 0.01 min
 Lab File: VL035527.D
 Acq: 3 Sep 2020 11:40

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:146 Resp: 3907866
 Ion Ratio Lower Upper
 146 100
 111 42.8 21.1 63.3
 148 65.5 32.9 98.7

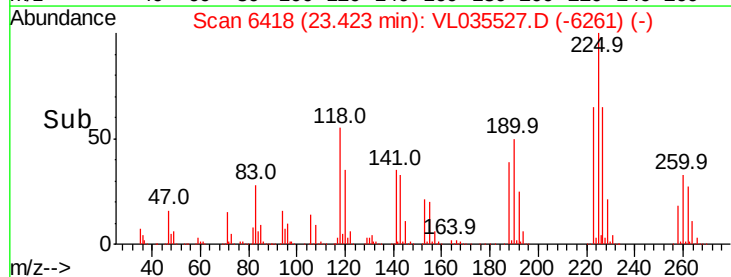
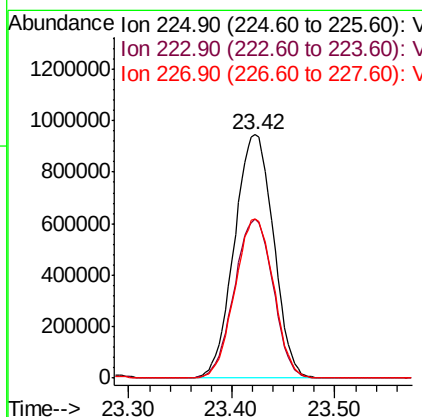
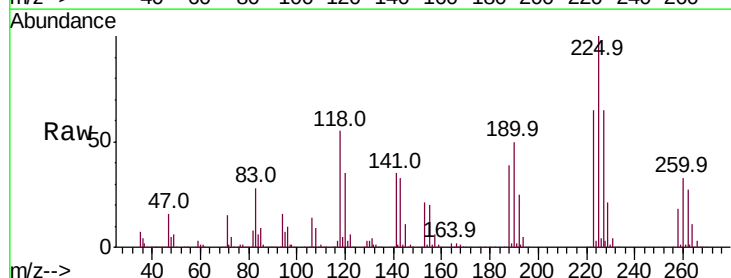
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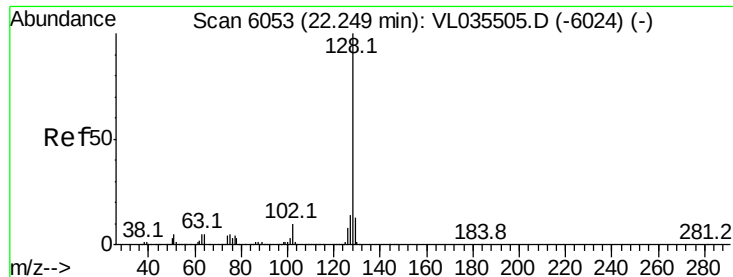
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#78
 Hexachloro-1,3-Butadiene
 Concen: 9.774 ppbv
 RT: 23.42 min Scan# 6418
 Delta R.T. 0.01 min
 Lab File: VL035527.D
 Acq: 3 Sep 2020 11:40

Tgt Ion:225 Resp: 2490092
 Ion Ratio Lower Upper
 225 100
 223 64.9 51.7 77.5
 227 64.6 51.5 77.3





#79

Naphthalene

Concen: 10.762 ppbv

RT: 22.25 min Scan# 6054

Delta R.T. 0.00 min

Lab File: VL035527.D

Acq: 3 Sep 2020 11:40

Instrument :

MSVOA_L

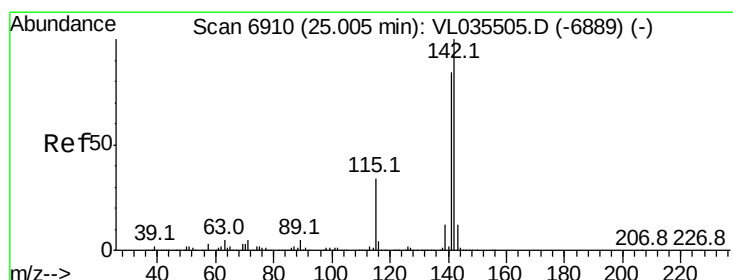
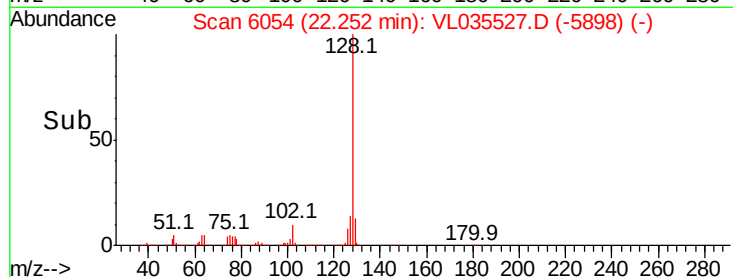
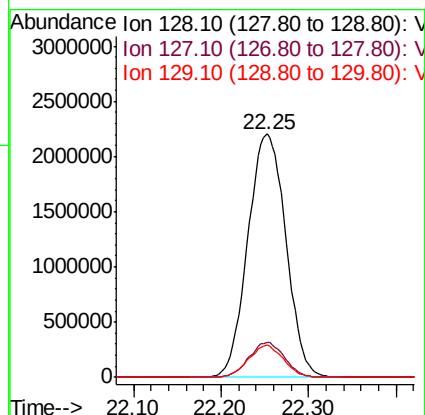
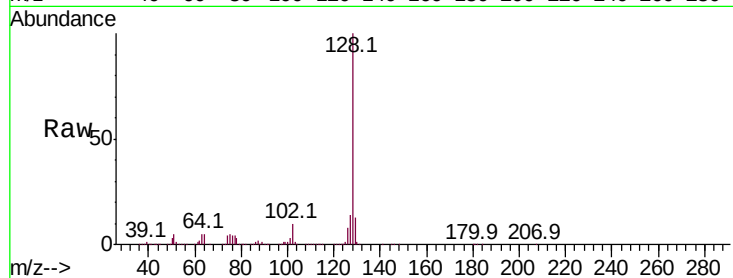
ClientSampleId :

VSTDCCC010

Tot Ion:	128	Resp:	6640362
Ion	Ratio	Lower	Upper
128	100		
127	14.2	11.4	17.2
129	13.4	10.5	15.7

Manual Integrations
APPROVED

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9/8/2020 4:05:39 PM



#80

Naphthalene, 2-methyl-

Concen: 12.466 ppbv

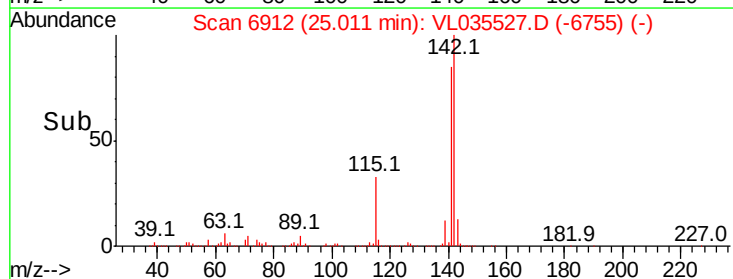
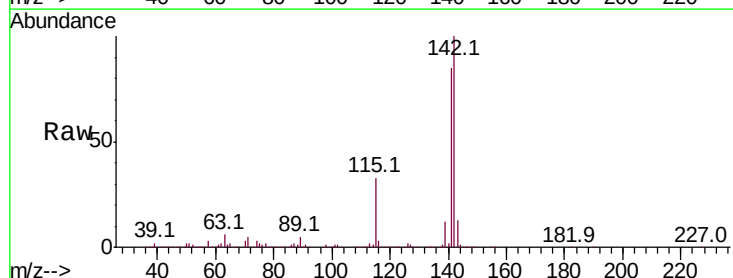
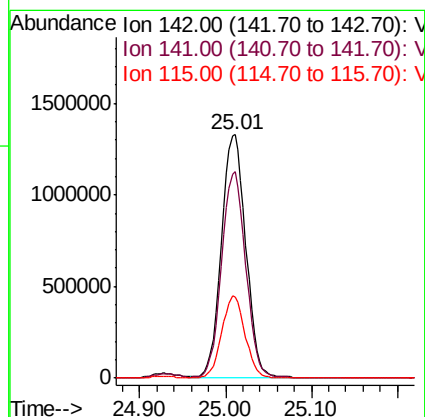
RT: 25.01 min Scan# 6912

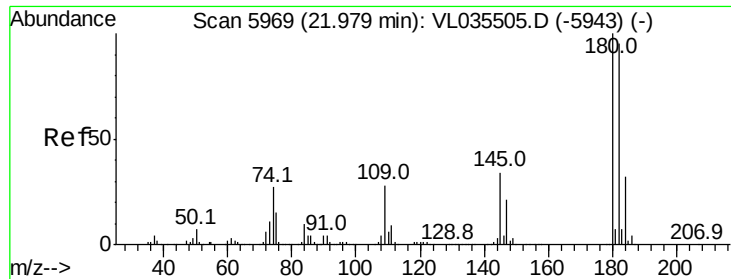
Delta R.T. 0.01 min

Lab File: VL035527.D

Acq: 3 Sep 2020 11:40

Tgt Ion:	142	Resp:	2625258
Ion	Ratio	Lower	Upper
142	100		
141	84.4	67.6	101.4
115	32.2	25.8	38.8





#81
 1,2,4-Trichlorobenzene
 Concen: 10.328 ppbv
 RT: 21.98 min Scan# 5969
 Delta R.T. -0.00 min
 Lab File: VL035527.D
 Acq: 3 Sep 2020 11:40

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.3	114.5
184	31.4	25.3	37.9

Manual Integrations
 APPROVED

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 9/8/2020 4:05:39 PM

