

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050720\
 Data File : VL034965.D
 Acq On : 7 May 2020 13:05
 Operator : SY/AP
 Sample : VL0507ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VL0507ABS01

Manual Integrations
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sam
 5/11/2020 12:03:27 PM

Quant Time: May 08 09:25:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May 0
 QLast Update : Wed May 06 14:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1101282	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2582586	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.13	117	2644994m	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.47	95	1990065	9.30	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.00%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.01	85	1287333	8.236	ppbv 97
3) Chlorodifluoromethane	2.95	51	1123888	8.939	ppbv 99
4) Chloromethane	3.11	50	656724	9.114	ppbv 98
5) Vinyl Chloride	3.23	62	629231	8.951	ppbv 97
6) Bromomethane	3.45	94	368806	8.787	ppbv 89
7) Chloroethane	3.53	64	232035	9.191	ppbv 98
8) Dichlorotetrafluoroethane	3.15	85	1406208	8.693	ppbv 100
9) Propene	2.97	41	508538	9.321	ppbv 100
10) Heptane	8.15	43	1363261	9.974	ppbv 99
11) Trichlorofluoromethane	3.93	101	1417296	8.794	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	996926	8.687	ppbv 99
13) Ethanol	3.58	45	142481	7.914	ppbv 96
14) Bromoethene	3.72	108	448451	9.456	ppbv 99
15) Acetone	3.83	43	1136059	7.803	ppbv 99
16) 1,3-Butadiene	3.29	39	585411	9.343	ppbv 98
17) tert-Butyl alcohol	4.28	59	1184639	9.145	ppbv 99
18) 1,1-Dichloroethene	4.27	96	468609	9.412	ppbv 96
19) Isopropyl Alcohol	3.95	45	869871	8.959	ppbv 100
20) Methylene Chloride	4.33	84	404504	8.393	ppbv 94
21) Allyl Chloride	4.39	41	787969	9.581	ppbv 98
22) trans-1,2-Dichloroethene	4.88	96	468162	9.493	ppbv 99
23) Vinyl Acetate	5.07	43	1814136	9.826	ppbv 100
24) 1,1-Dichloroethane	5.01	63	1296296	9.116	ppbv 99
25) Ethyl Acetate	5.68	43	2266442	9.267	ppbv 100
26) Hexane	5.69	57	1009441	9.521	ppbv 100
27) Carbon Disulfide	4.54	76	1161458	9.294	ppbv 99
28) Methyl tert-Butyl Ether	5.02	73	1531727	9.486	ppbv 99
29) Chloroform	5.76	83	1550839	8.940	ppbv 97
30) Cyclohexane	7.15	84	841397	10.284	ppbv 98
31) cis-1,2-Dichloroethene	5.55	61	1030780	9.964	ppbv 97
32) 1,1,1-Trichloroethane	6.52	97	1485198	9.480	ppbv 99
34) 2-Butanone	5.24	43	1514656	9.436	ppbv 100
35) Carbon Tetrachloride	7.04	117	1498726	9.194	ppbv 97
36) Benzene	6.91	78	2021552	9.494	ppbv 99
37) 1,2-Dichloroethane	6.32	62	1194828	9.097	ppbv 100
38) Trichloroethene	7.86	130	759308	9.205	ppbv 98
39) 1,2-Dichloropropane	7.64	63	793831	9.300	ppbv 96
40) 1,4-Dioxane	7.85	88	315204	9.085	ppbv # 1
41) Tetrahydrofuran	6.05	42	851275	10.073	ppbv 100
42) Bromodichloromethane	7.82	83	1610591	9.092	ppbv 99
43) Methyl Methacrylate	8.03	69	927824	10.319	ppbv 99

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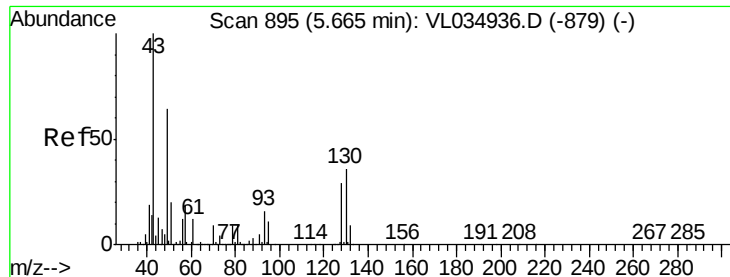
Manual Integrations
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Quant Time: May 08 09:25:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May 0
 QLast Update : Wed May 06 14:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	3495186	9.233	ppbv	99
45) t-1,3-Dichloropropene	9.31	75	1012435	11.158	ppbv	99
46) cis-1,3-Dichloropropene	8.73	75	1194253	10.721	ppbv	96
47) 1,1,2-Trichloroethane	9.51	97	821045	9.115	ppbv	96
48) Dibromochloromethane	10.34	129	1301391	9.395	ppbv	99
49) Bromoform	13.09	173	1103052	9.255	ppbv	99
50) 4-Methyl-2-Pentanone	8.76	43	2249860	9.830	ppbv	99
51) 2-Hexanone	10.16	43	1801876	10.065	ppbv #	100
52) Tetrachloroethene	11.26	164	698474	9.225	ppbv	99
53) Toluene	9.84	91	2302183	10.200	ppbv	100
54) 1,2-Dibromoethane	10.65	107	1216595	9.198	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.17	131	986863	8.273	ppbv	98
57) Chlorobenzene	12.19	112	1703386	8.129	ppbv	98
58) Ethyl Benzene	12.75	91	3057413	9.348	ppbv	99
59) m/p-Xylene	13.04	91	4986402m	17.328	ppbv	
60) o-Xylene	13.74	91	2455568	8.647	ppbv	100
61) Styrene	13.58	104	1755541	9.769	ppbv	100
62) Isopropylbenzene	14.72	105	3602607	8.497	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.73	83	1694724	7.582	ppbv	100
64) n-propylbenzene	15.61	120	945611	8.696	ppbv	97
65) tert-Butylbenzene	16.80	119	3136846	8.531	ppbv	99
66) Benzyl Chloride	17.05	91	1170896	9.380	ppbv	99
67) sec-Butylbenzene	17.35	105	4519744	8.611	ppbv	99
69) p-Isopropyltoluene	17.71	119	3763153	8.862	ppbv	100
70) n-Butylbenzene	18.61	91	4071589	9.008	ppbv	99
71) 2-Chlorotoluene	15.51	91	2809994	8.780	ppbv	99
72) 4-Ethyltoluene	15.89	105	2860576	9.029	ppbv	99
73) 1,3,5-Trimethylbenzene	16.05	105	2696906	8.747	ppbv	100
74) 1,2,4-Trimethylbenzene	16.82	105	2823650	8.390	ppbv	95
75) 1,3-Dichlorobenzene	17.06	146	1653383	8.367	ppbv	99
76) 1,4-Dichlorobenzene	17.19	146	1654832	8.813	ppbv	100
77) 1,2-Dichlorobenzene	17.88	146	1634143	8.777	ppbv	99
78) Hexachloro-1,3-Butadiene	23.44	225	1386995	8.739	ppbv	99
79) Naphthalene	22.28	128	3328050	12.699	ppbv	99
80) Naphthalene, 2-methyl-	25.02	142	554163	8.602	ppbv	97
81) 1,2,4-Trichlorobenzene	22.01	180	1742160	10.963	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 897

Delta R.T. 0.01 min

Lab File: VL034965.D

Acq: 7 May 2020 13:05

Instrument :

MSVOA_L

ClientSampleId :

VL0507ABS01

Tot Ion: 49 Resp: 1101282

Ion Ratio Lower Upper

49 100

128 44.3 22.1 66.5

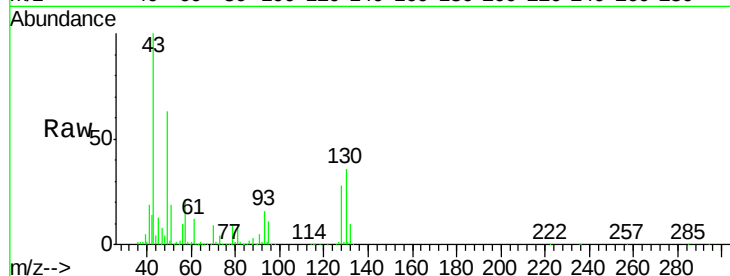
130 57.1 29.1 87.3

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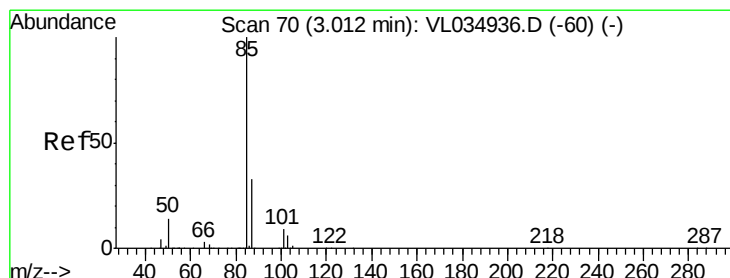
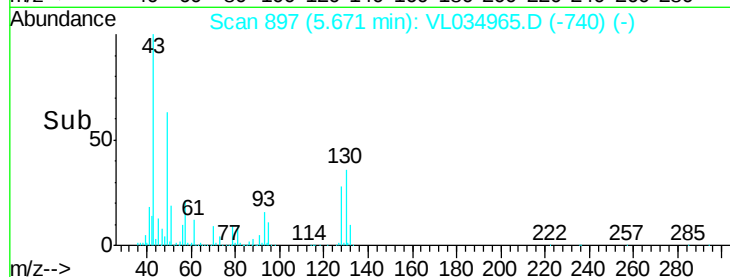
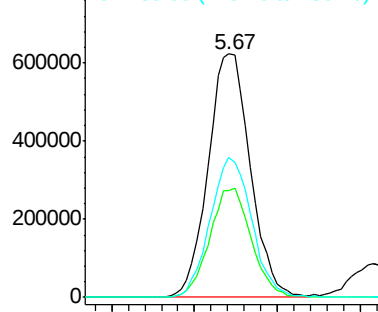
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 8.236 ppbv

RT: 3.01 min Scan# 71

Delta R.T. 0.00 min

Lab File: VL034965.D

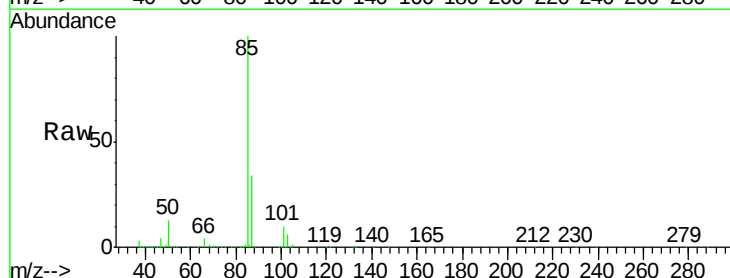
Acq: 7 May 2020 13:05

Tgt Ion: 85 Resp: 1287333

Ion Ratio Lower Upper

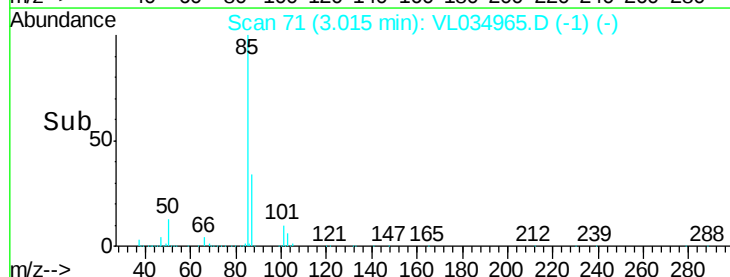
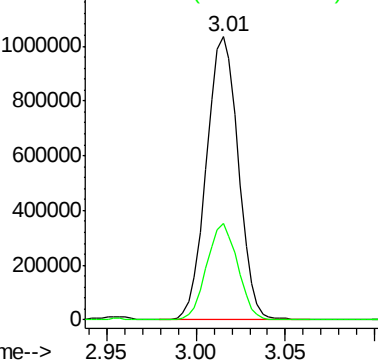
85 100

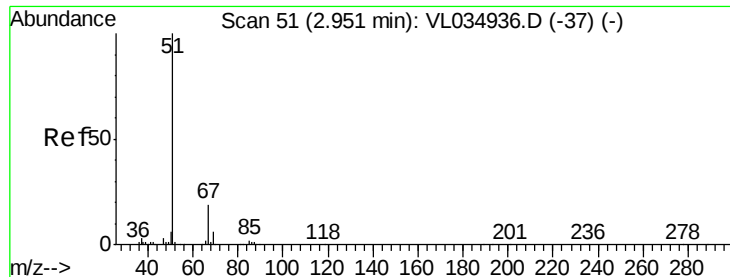
87 34.2 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 8.939 ppbv

RT: 2.95 min Scan# 52

Delta R.T. 0.00 min

Lab File: VL034965.D

Acq: 7 May 2020 13:05

Tot Ion: 51 Resp: 1123888

Ion Ratio Lower Upper

51 100

67 18.5 15.0 22.6

Instrument :

MSVOA_L

ClientSampleId :

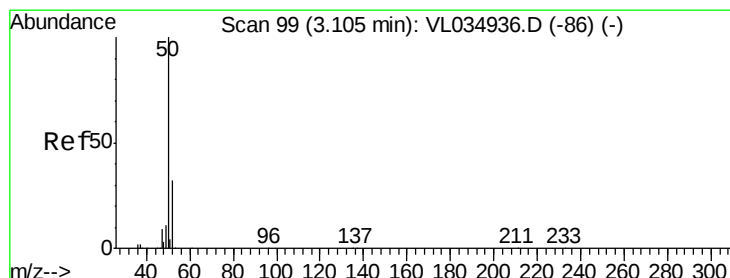
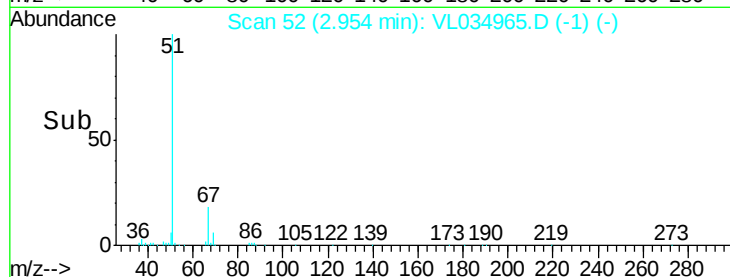
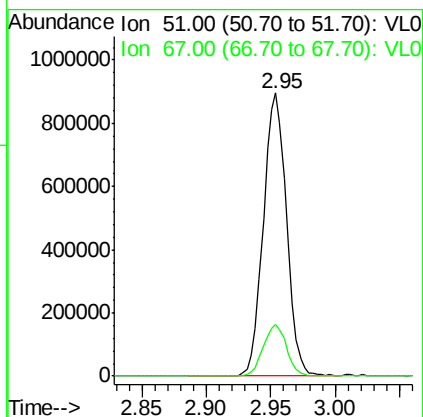
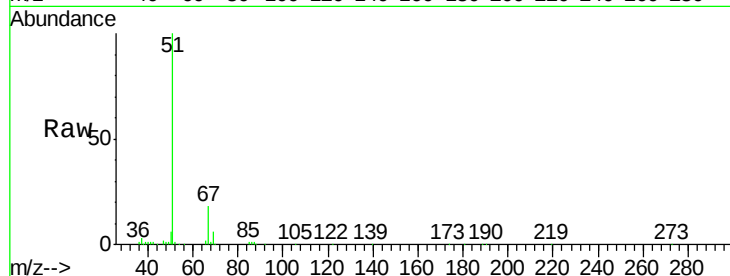
VL0507ABS01

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#4

Chloromethane

Concen: 9.114 ppbv

RT: 3.11 min Scan# 100

Delta R.T. 0.00 min

Lab File: VL034965.D

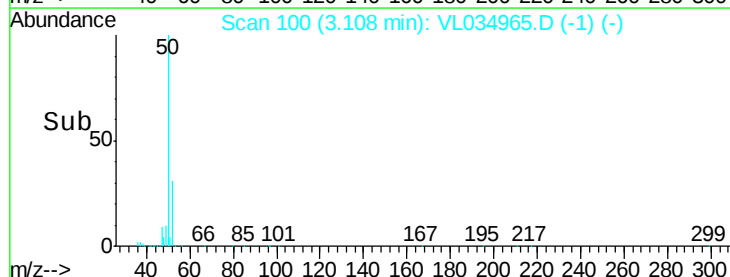
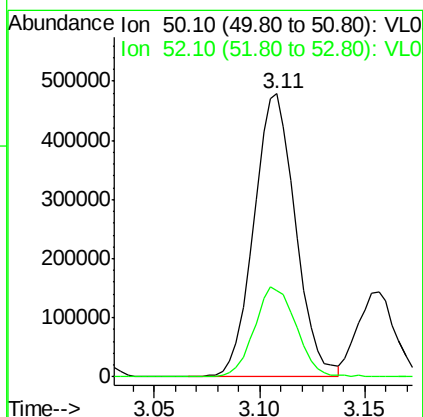
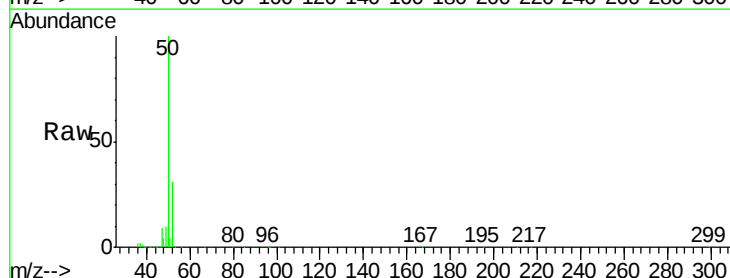
Acq: 7 May 2020 13:05

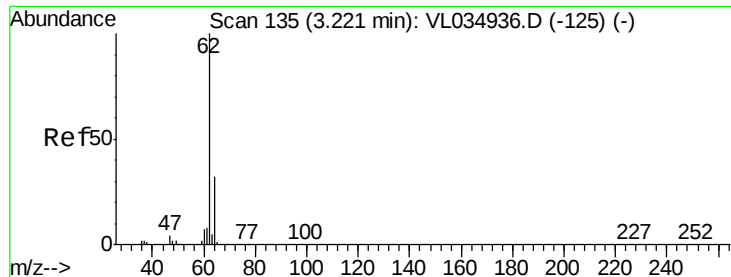
Tgt Ion: 50 Resp: 656724

Ion Ratio Lower Upper

50 100

52 30.6 25.4 38.2





#5

Vinyl Chloride

Concen: 8.951 ppbv

RT: 3.23 min Scan# 137

Delta R.T. 0.01 min

Lab File: VL034965.D

Acq: 7 May 2020 13:05

Instrument :

MSVOA_L

ClientSampleId :

VL0507ABS01

Tot Ion: 62 Resp: 629231

Ion Ratio Lower Upper

62 100

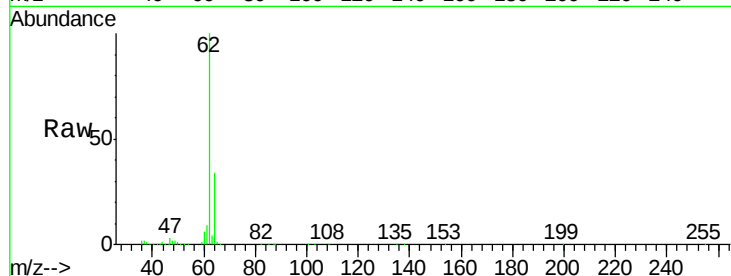
64 33.6 25.7 38.5

Manual Integrations

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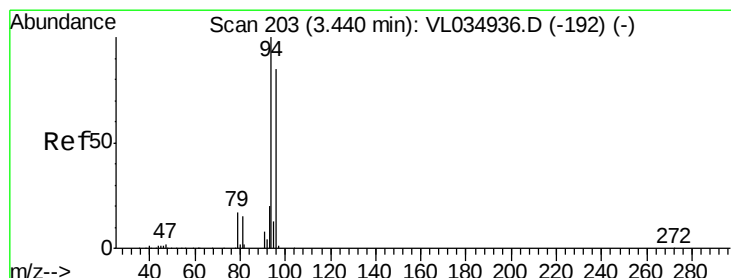
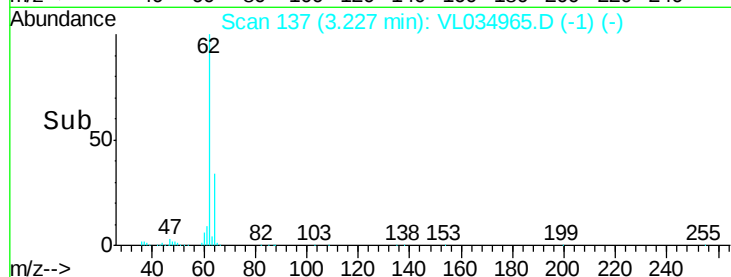
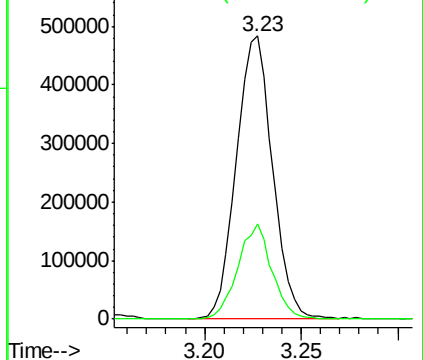
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 8.787 ppbv

RT: 3.45 min Scan# 205

Delta R.T. 0.01 min

Lab File: VL034965.D

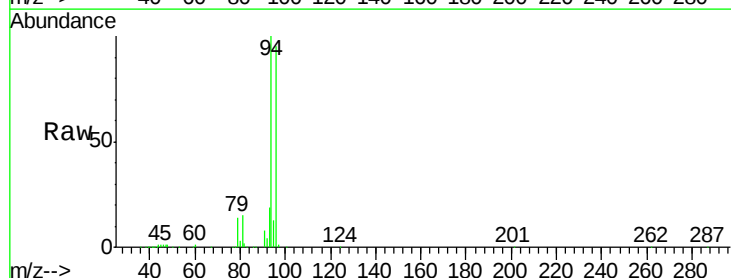
Acq: 7 May 2020 13:05

Tgt Ion: 94 Resp: 368806

Ion Ratio Lower Upper

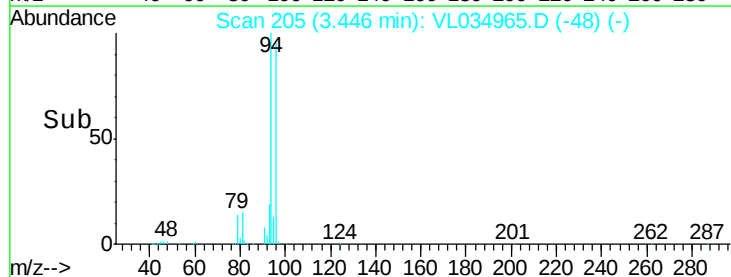
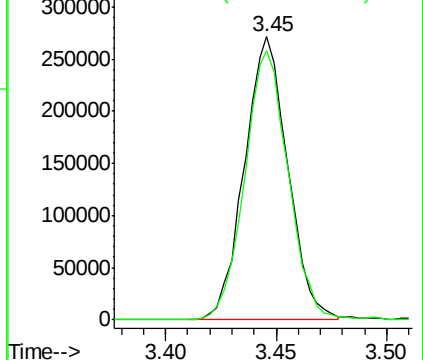
94 100

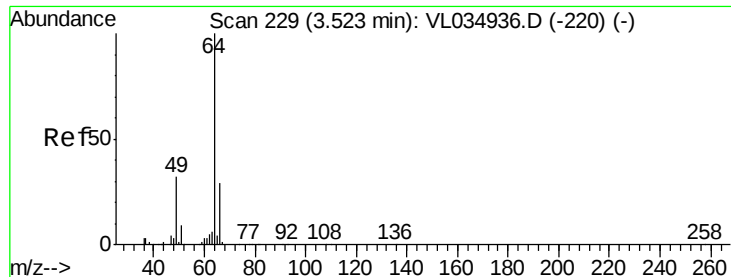
96 95.3 67.9 101.9



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.191 ppbv

RT: 3.53 min Scan# 232

Delta R.T. 0.01 min

Lab File: VL034965.D

Acq: 7 May 2020 13:05

Instrument :

MSVOA_L

ClientSampleId :

VL0507ABS01

Tot Ion: 64 Resp: 232035

Ion Ratio Lower Upper

64 100

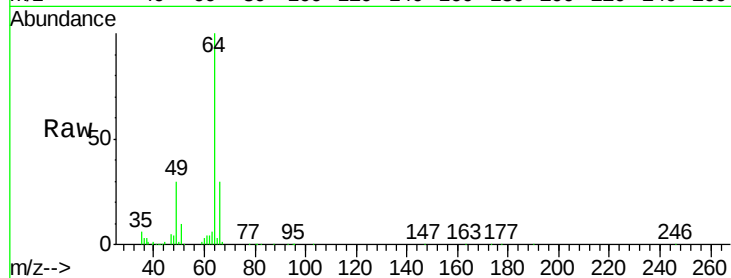
66 30.2 23.2 34.8

Manual Integrations

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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

200000

150000

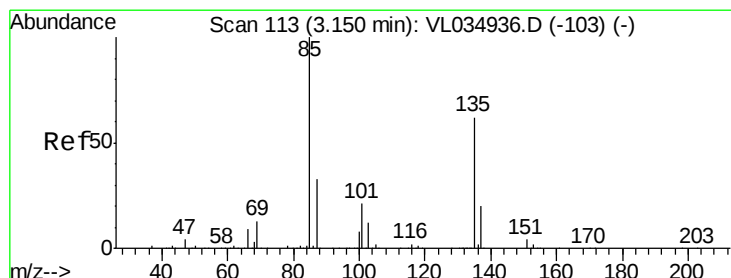
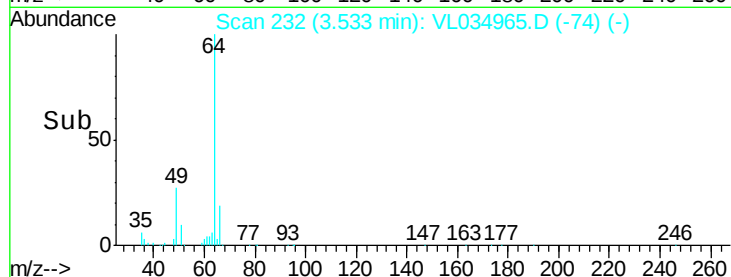
100000

50000

0

3.50 3.55 3.60

Time-->



#8

Dichlorotetrafluoroethane

Concen: 8.693 ppbv

RT: 3.15 min Scan# 114

Delta R.T. 0.00 min

Lab File: VL034965.D

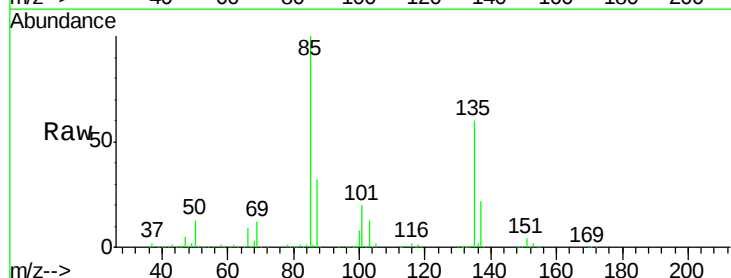
Acq: 7 May 2020 13:05

Tgt Ion: 85 Resp: 1406208

Ion Ratio Lower Upper

85 100

135 63.8 50.9 76.3



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

1200000

1000000

800000

600000

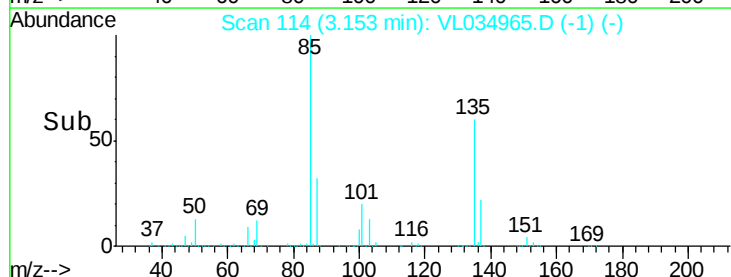
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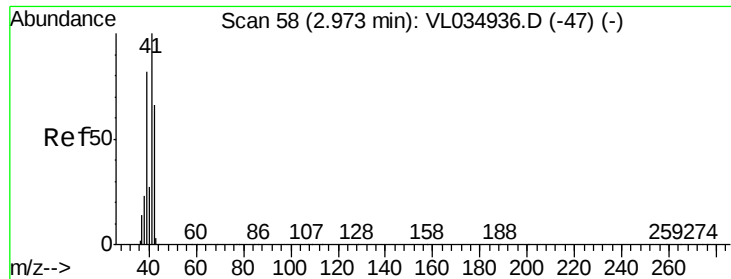
200000

0

3.10 3.15 3.20

Time-->





#9

Propene

Concen: 9.321 ppbv

RT: 2.97 min Scan# 58

Delta R.T. -0.00 min

Lab File: VL034965.D

Acq: 7 May 2020 13:05

Instrument :

MSVOA_L

ClientSampleId :

VL0507ABS01

Tot Ion: 41 Resp: 508538

Ion Ratio Lower Upper

41 100

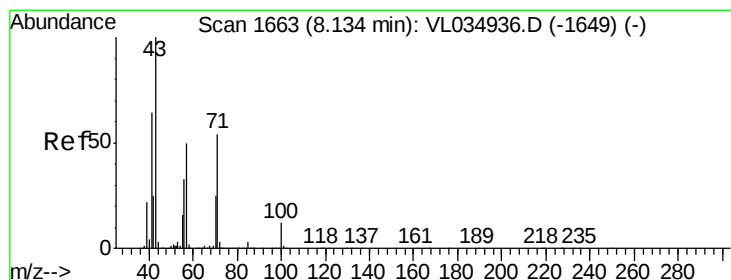
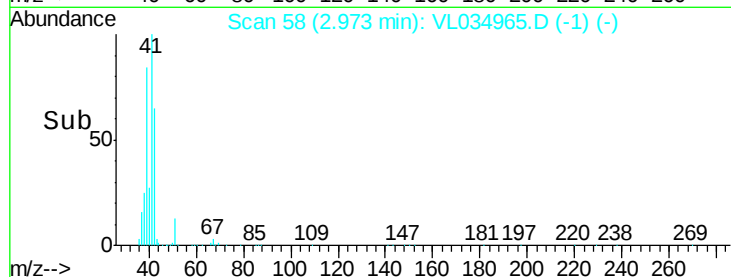
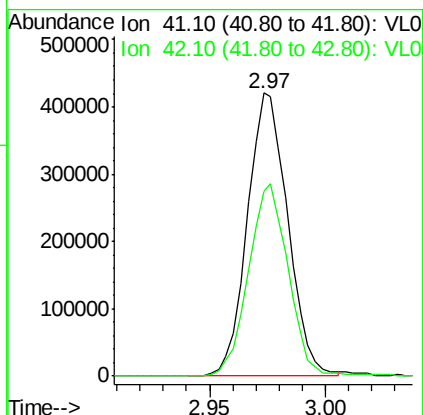
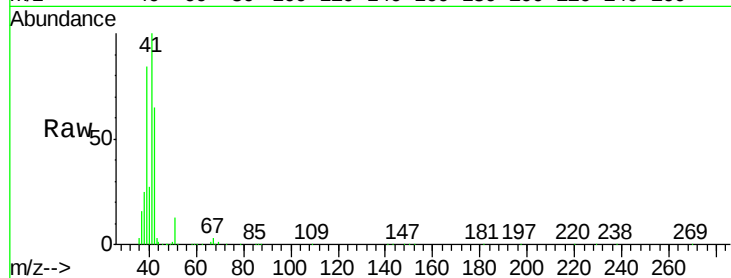
42 67.7 54.5 81.7

Manual Integrations

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#10

Heptane

Concen: 9.974 ppbv

RT: 8.15 min Scan# 1667

Delta R.T. 0.01 min

Lab File: VL034965.D

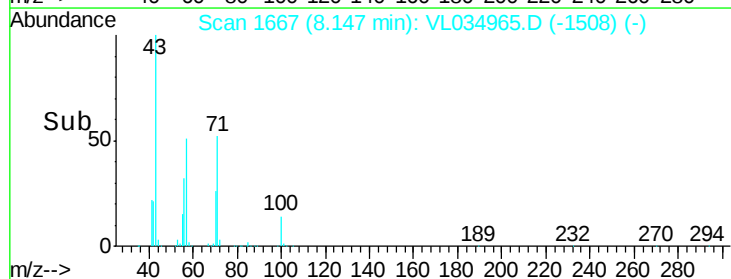
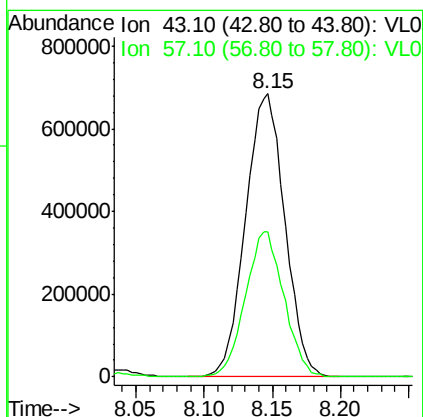
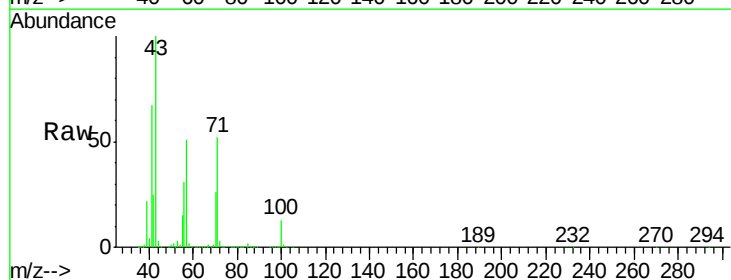
Acq: 7 May 2020 13:05

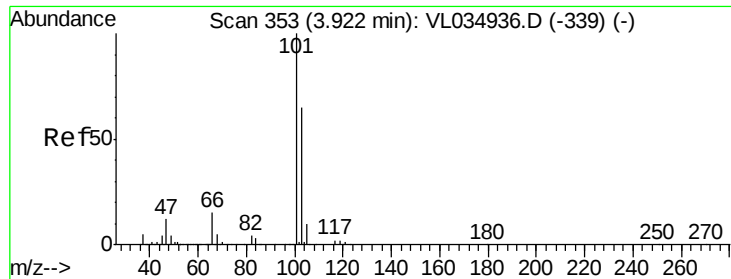
Tgt Ion: 43 Resp: 1363261

Ion Ratio Lower Upper

43 100

57 50.4 41.1 61.7





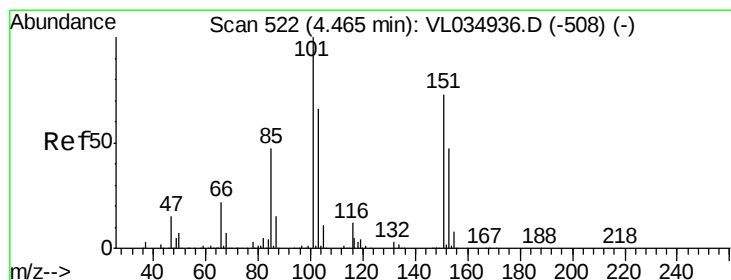
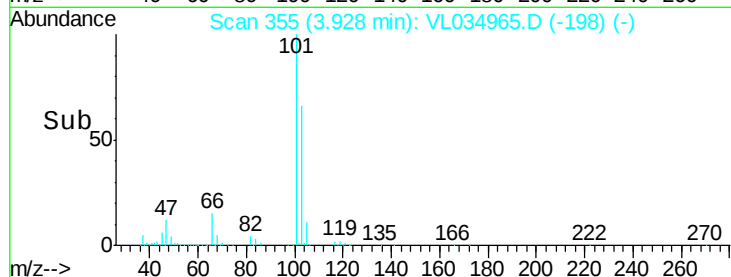
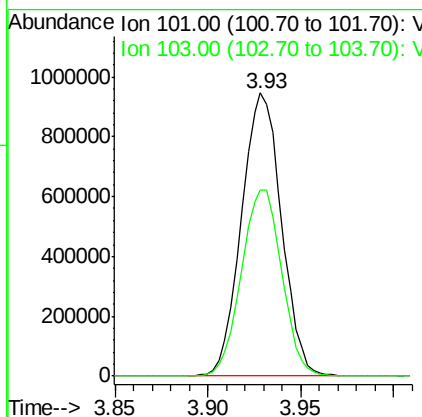
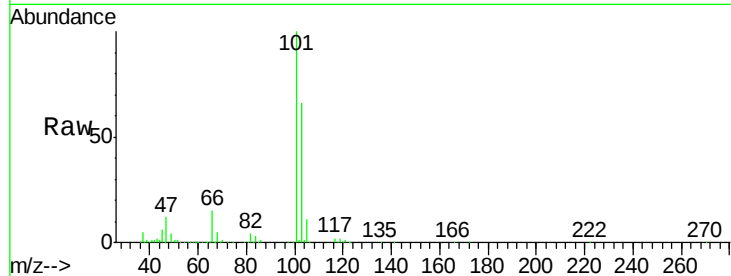
#11
 Trichlorofluoromethane
 Concen: 8.794 ppbv
 RT: 3.93 min Scan# 355
 Delta R.T. 0.01 min
 Lab File: VL034965.D
 Acq: 7 May 2020 13:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0507ABS01

Tot Ion:101 Resp: 1417296
 Ion Ratio Lower Upper
 101 100
 103 65.9 51.9 77.9

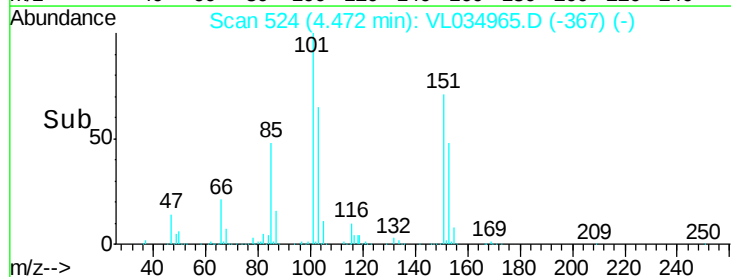
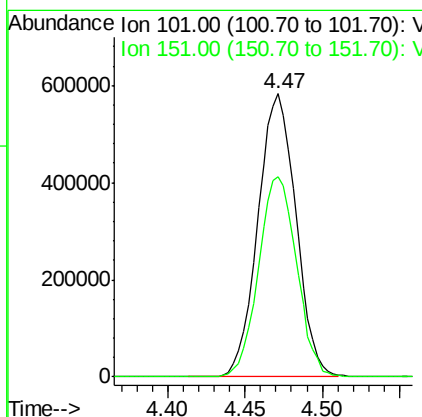
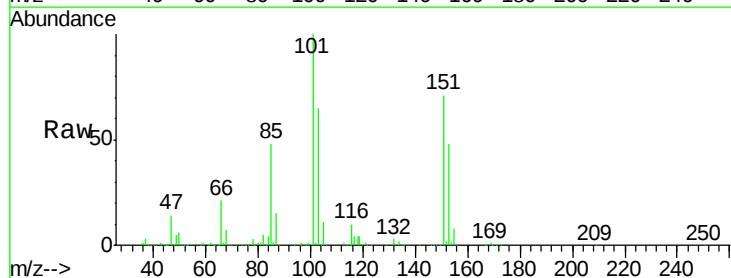
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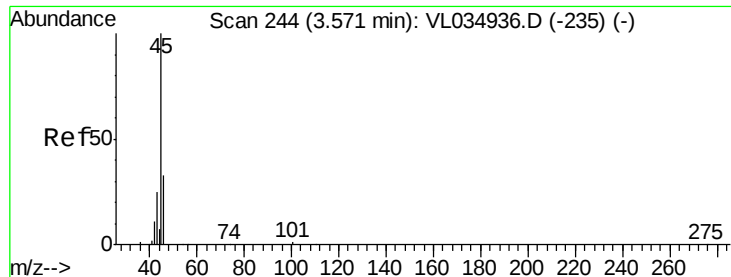
sam
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.687 ppbv
 RT: 4.47 min Scan# 524
 Delta R.T. 0.01 min
 Lab File: VL034965.D
 Acq: 7 May 2020 13:05

Tgt Ion:101 Resp: 996926
 Ion Ratio Lower Upper
 101 100
 151 70.9 57.6 86.4





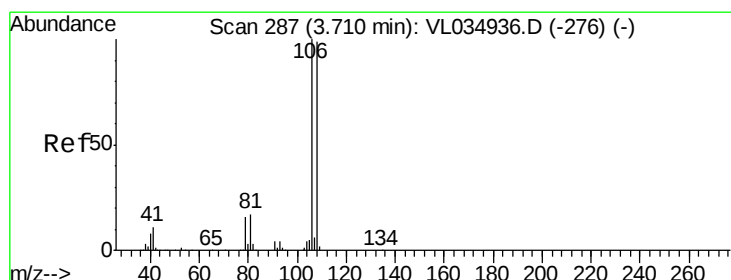
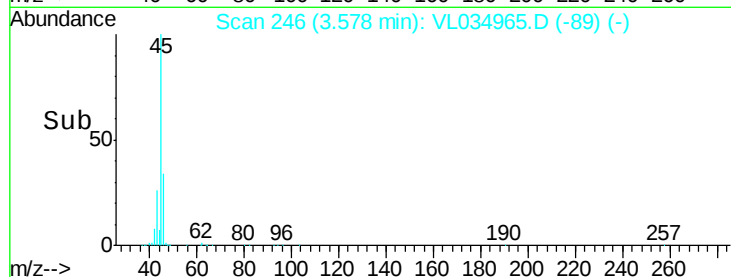
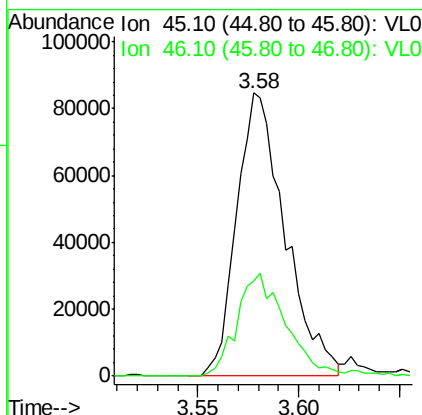
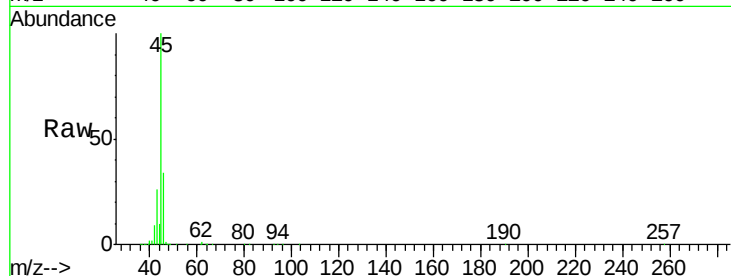
#13
Ethanol
Concen: 7.914 ppbv
RT: 3.58 min Scan# 246
Delta R.T. 0.01 min
Lab File: VL034965.D
Acq: 7 May 2020 13:05

Instrument :
MSVOA_L
ClientSampleId :
VL0507ABS01

Tot Ion	Ratio	Lower	Upper
45	100		
46	37.9	14.3	57.3

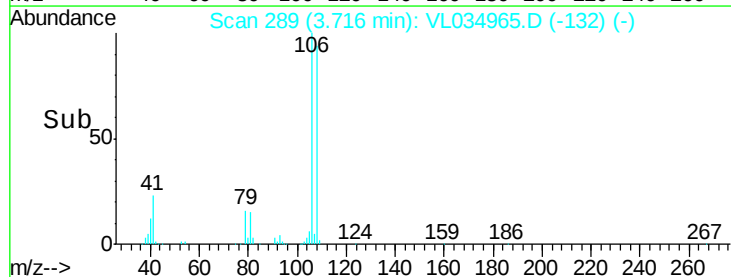
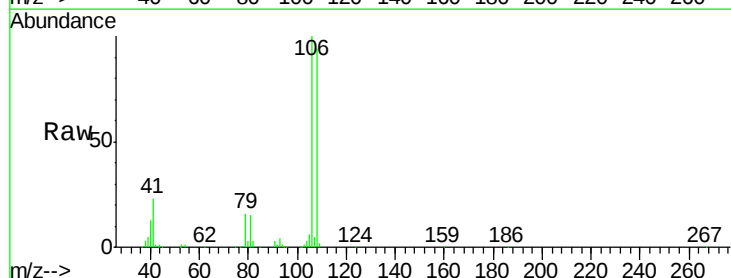
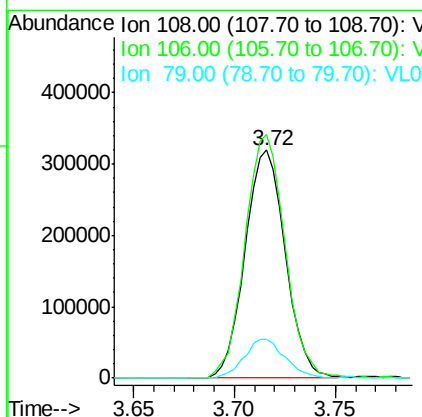
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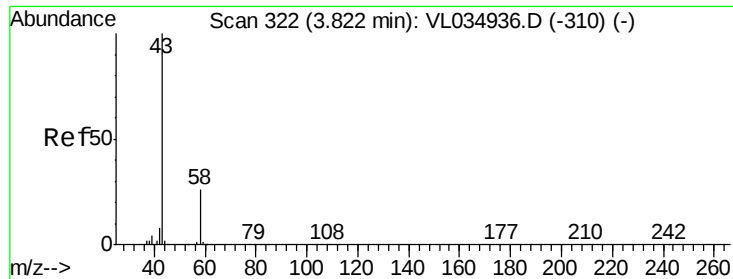
sam
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#14
Bromoethene
Concen: 9.456 ppbv
RT: 3.72 min Scan# 289
Delta R.T. 0.01 min
Lab File: VL034965.D
Acq: 7 May 2020 13:05

Tgt Ion	Ratio	Lower	Upper
108	100		
106	106.9	84.9	127.3
79	17.9	14.1	21.1





#15

Acetone

Concen: 7.803 ppbv

RT: 3.83 min Scan# 324

Delta R.T. 0.01 min

Lab File: VL034965.D

Acq: 7 May 2020 13:05

Instrument :

MSVOA_L

ClientSampleId :

VL0507ABS01

Tot Ion: 43 Resp: 1136059

Ion Ratio Lower Upper

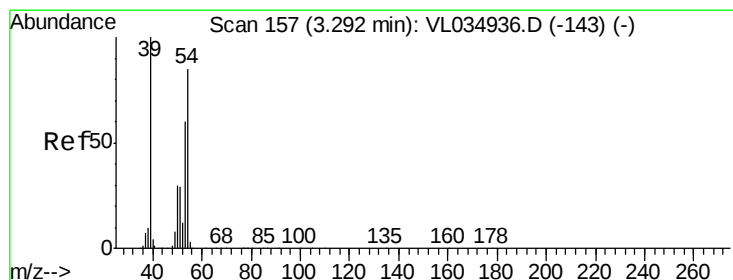
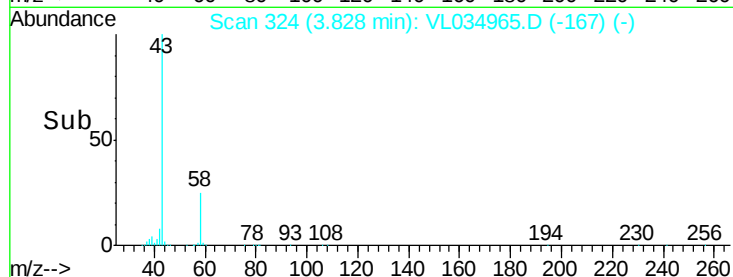
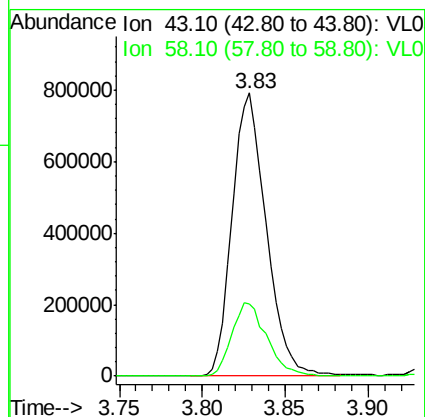
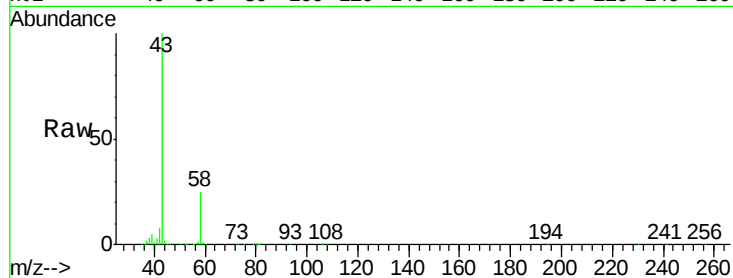
43 100

58 26.8 21.7 32.5

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#16

1,3-Butadiene

Concen: 9.343 ppbv

RT: 3.29 min Scan# 158

Delta R.T. 0.00 min

Lab File: VL034965.D

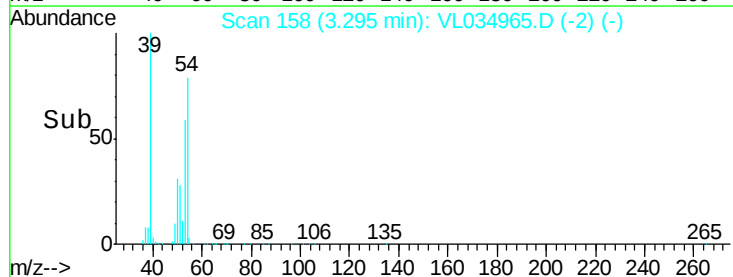
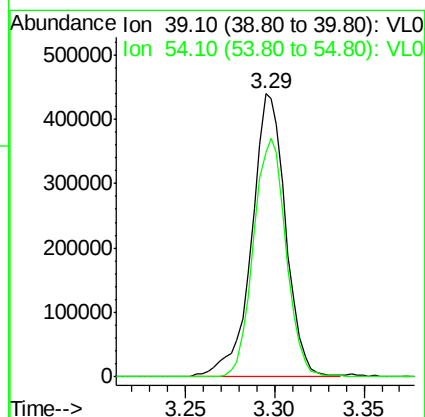
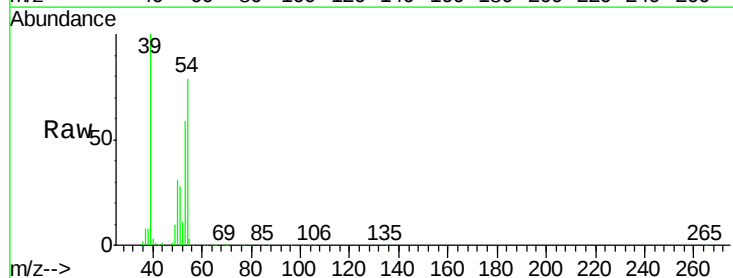
Acq: 7 May 2020 13:05

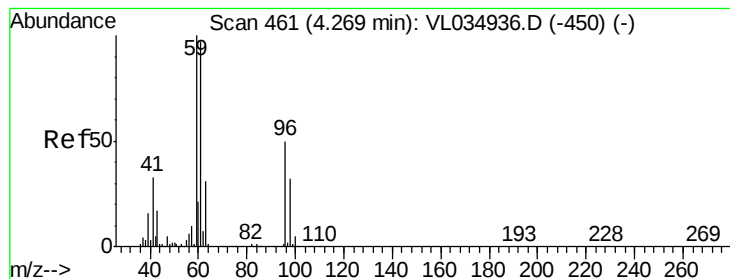
Tgt Ion: 39 Resp: 585411

Ion Ratio Lower Upper

39 100

54 81.4 66.6 100.0





#17

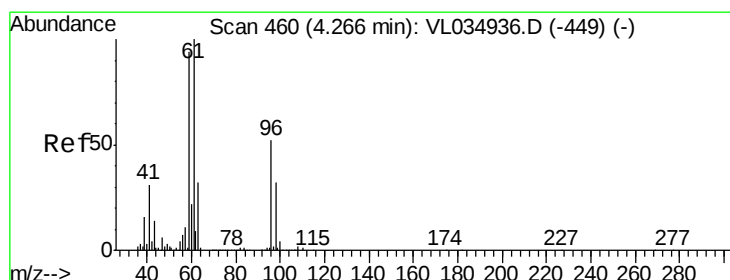
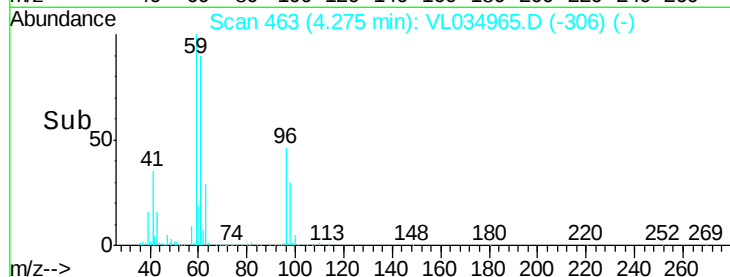
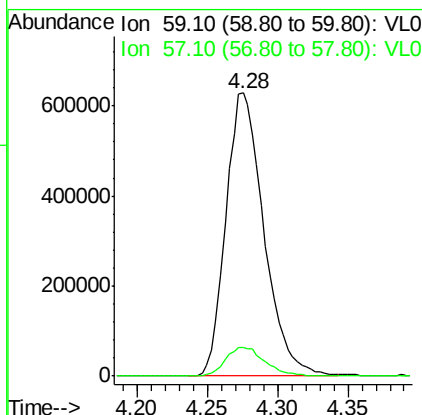
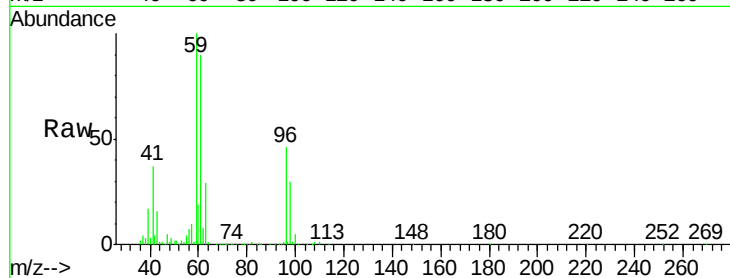
tert-Butyl alcohol
Concen: 9.145 ppbv
RT: 4.28 min Scan# 463
Delta R.T. 0.01 min
Lab File: VL034965.D
Acq: 7 May 2020 13:05

Instrument :
MSVOA_L
ClientSampleId :
VL0507ABS01

Tot Ion: 59 Resp: 1184639
Ion Ratio Lower Upper
59 100
57 10.7 8.7 13.1

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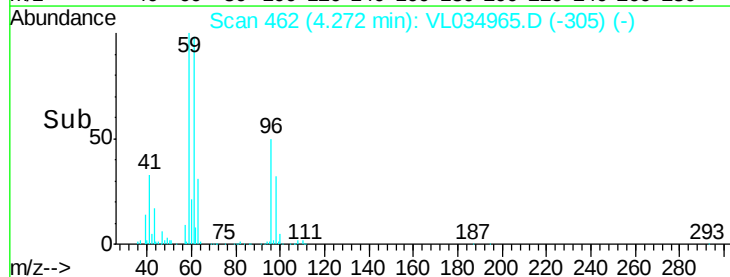
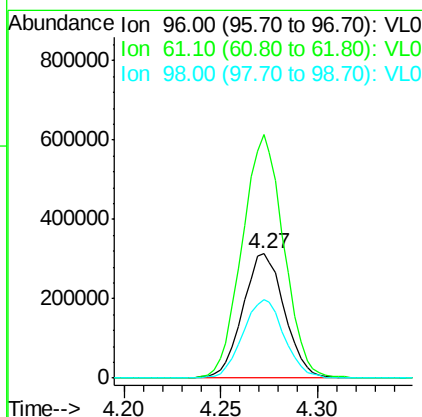
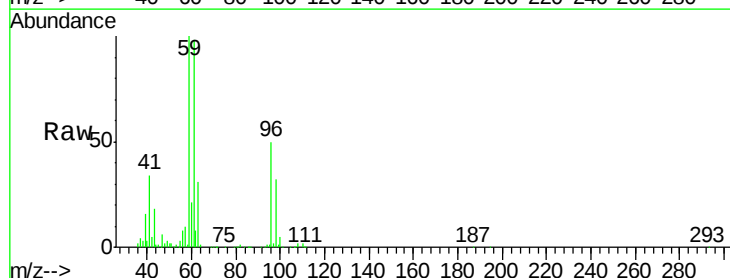
sam
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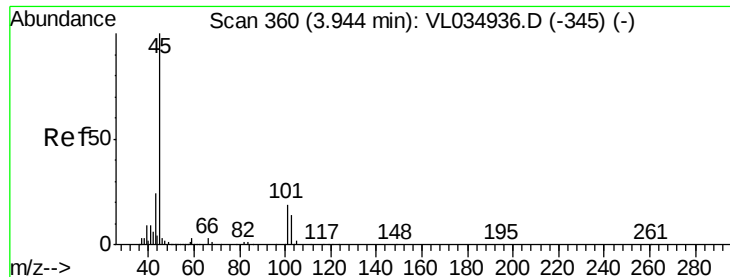


#18

1,1-Dichloroethene
Concen: 9.412 ppbv
RT: 4.27 min Scan# 462
Delta R.T. 0.01 min
Lab File: VL034965.D
Acq: 7 May 2020 13:05

Tgt Ion: 96 Resp: 468609
Ion Ratio Lower Upper
96 100
61 196.4 152.4 228.6
98 63.6 48.8 73.2





#19

Isopropyl Alcohol

Concen: 8.959 ppbv

RT: 3.95 min Scan# 361

Delta R.T. 0.00 min

Lab File: VL034965.D

Acq: 7 May 2020 13:05

Tot Ion: 45 Resp: 869871

Ion Ratio Lower Upper

45 100

58 2.1 1.7 2.5

Instrument :

MSVOA_L

ClientSampleId :

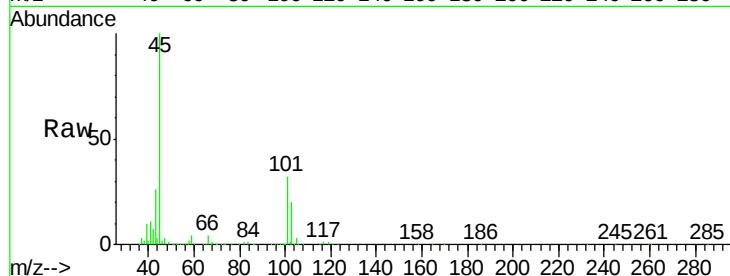
VL0507ABS01

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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.95

500000

400000

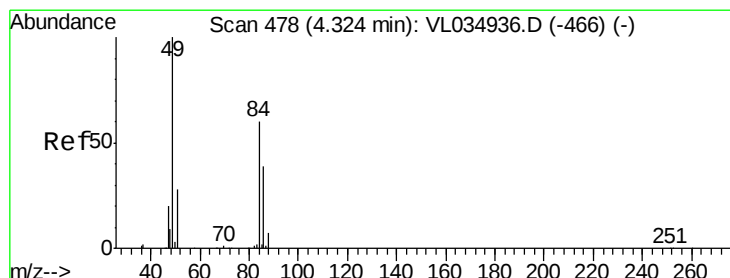
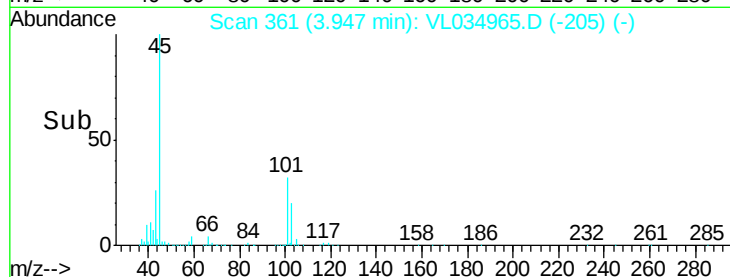
300000

200000

100000

0

Time-->



#20

Methylene Chloride

Concen: 8.393 ppbv

RT: 4.33 min Scan# 479

Delta R.T. 0.00 min

Lab File: VL034965.D

Acq: 7 May 2020 13:05

Tgt Ion: 84 Resp: 404504

Ion Ratio Lower Upper

84 100

49 153.2 132.5 198.7

51 45.4 38.4 57.6

86 64.5 51.2 76.8

Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

600000

500000

400000

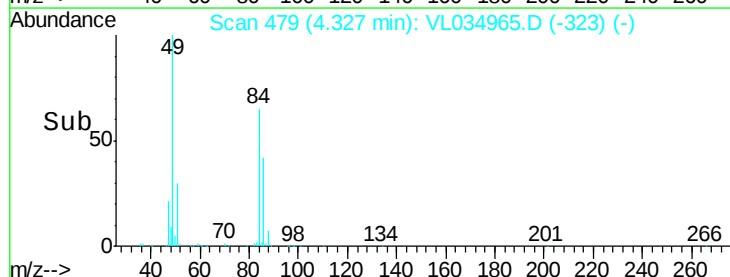
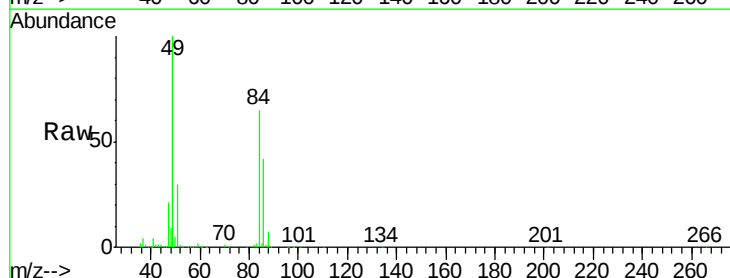
300000

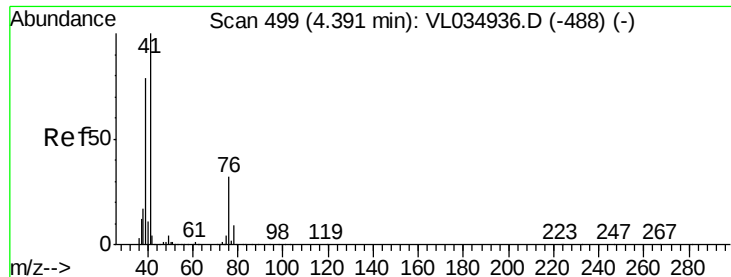
200000

100000

0

Time-->





#21

Allvl Chloride

Concen: 9.581 ppbv

RT: 4.39 min Scan# 500

Delta R.T. 0.00 min

Lab File: VL034965.D

Acq: 7 May 2020 13:05

Instrument :

MSVOA_L

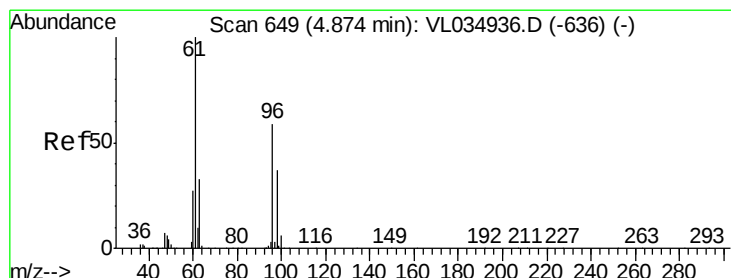
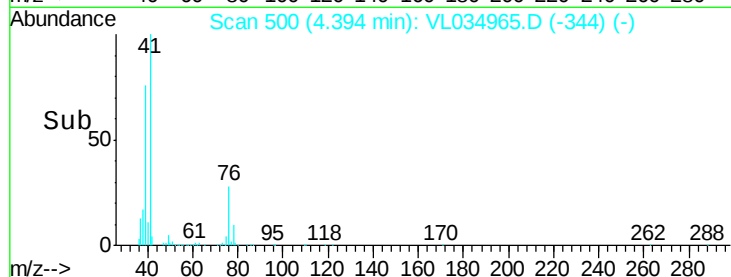
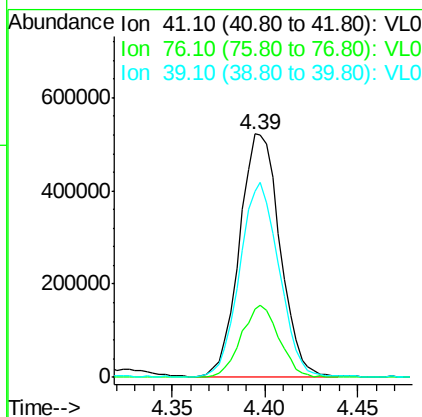
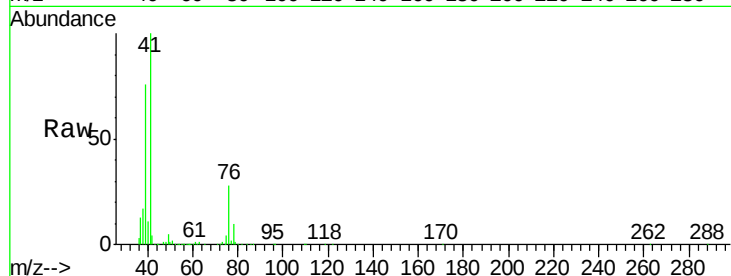
ClientSampleId :

VL0507ABS01

Tot Ion:	41	Resp:	787969
Ion Ratio	Lower	Upper	
41	100		
76	28.1	23.6	35.4
39	78.9	61.9	92.9

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#22

trans-1,2-Dichloroethene

Concen: 9.493 ppbv

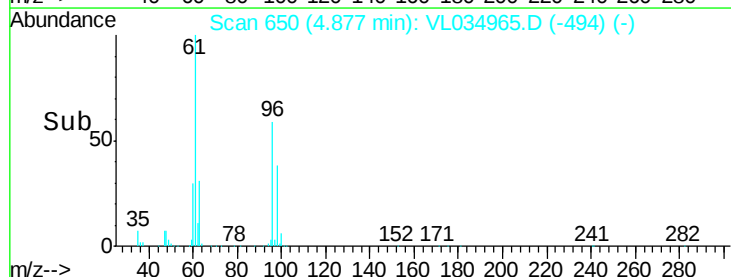
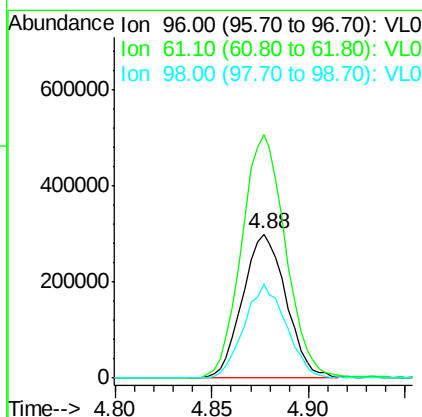
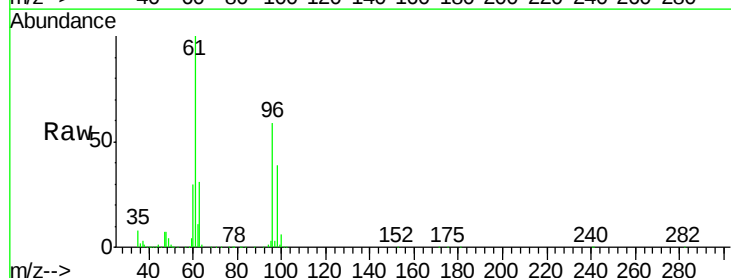
RT: 4.88 min Scan# 650

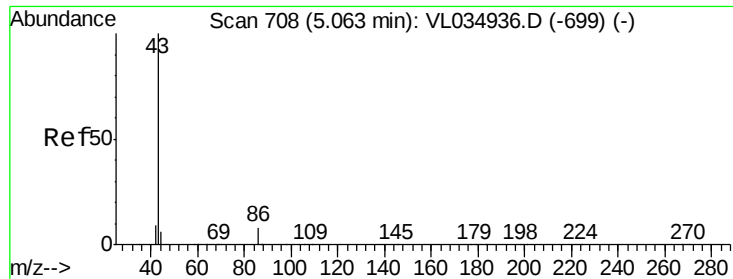
Delta R.T. 0.00 min

Lab File: VL034965.D

Acq: 7 May 2020 13:05

Tgt Ion:	96	Resp:	468162
Ion Ratio	Lower	Upper	
96	100		
61	168.7	135.3	202.9
98	64.9	50.4	75.6





#23

Vinyl Acetate

Concen: 9.826 ppbv

RT: 5.07 min Scan# 710

Delta R.T. 0.01 min

Lab File: VL034965.D

Acq: 7 May 2020 13:05

Tot Ion: 43 Resp: 1814136

Ion Ratio Lower Upper

43 100

86 7.0 5.5 8.3

42 10.0 8.0 12.0

44 5.7 4.5 6.7

Instrument :

MSVOA_L

ClientSampleId :

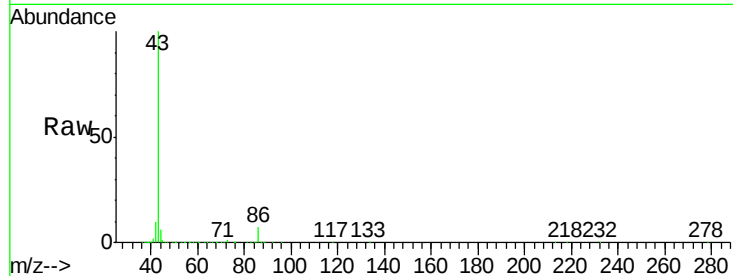
VL0507ABS01

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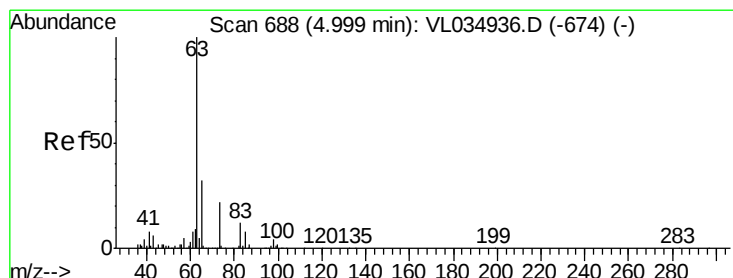
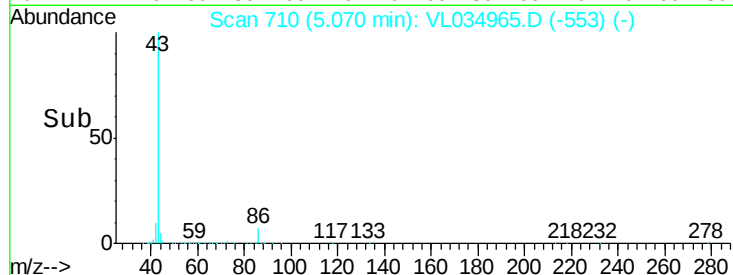
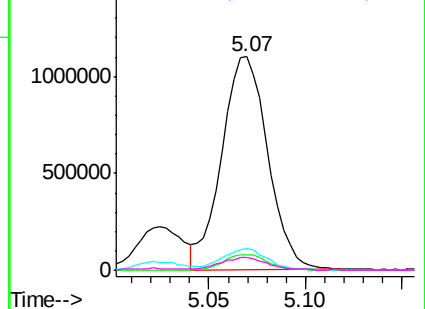


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.116 ppbv

RT: 5.01 min Scan# 690

Delta R.T. 0.01 min

Lab File: VL034965.D

Acq: 7 May 2020 13:05

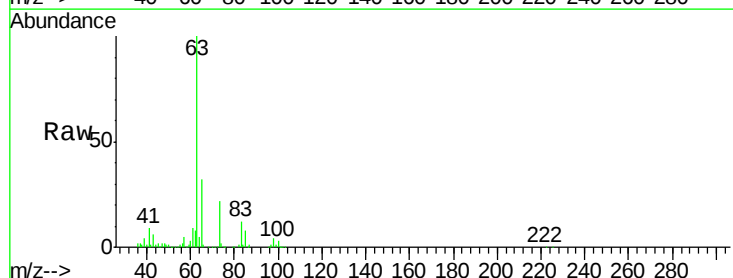
Tgt Ion: 63 Resp: 1296296

Ion Ratio Lower Upper

63 100

98 3.9 2.0 6.0

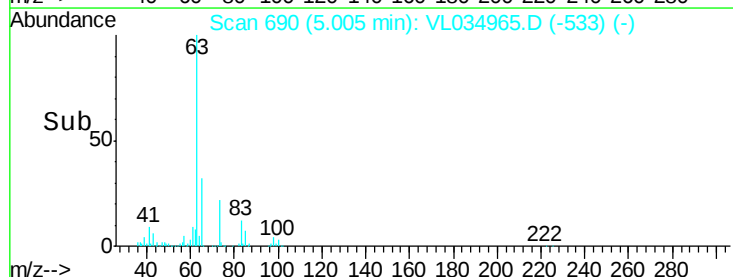
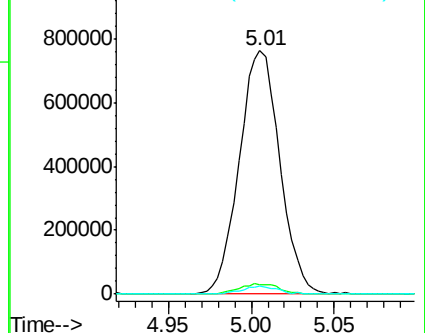
100 3.1 1.1 3.5

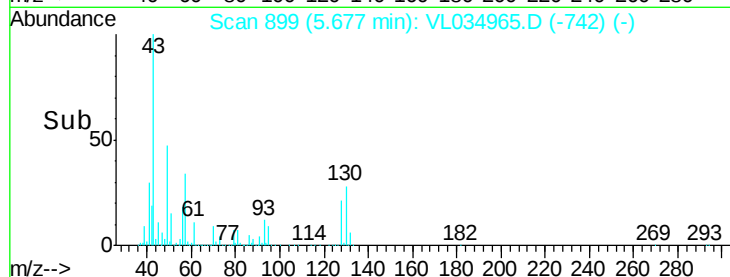
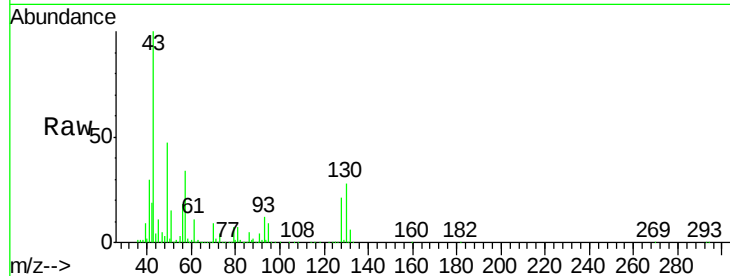
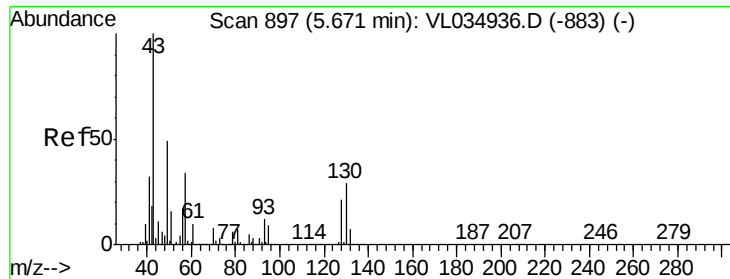


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

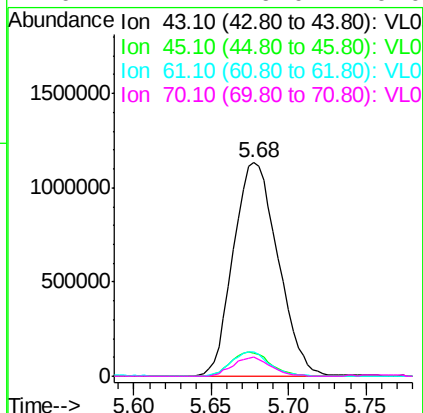
Ion 100.00 (99.70 to 100.70): VL0





#25
Ethyl Acetate
Concen: 9.267 ppbv
RT: 5.68 min Scan# 899
Delta R.T. 0.01 min
Lab File: VL034965.D
Acq: 7 May 2020 13:05

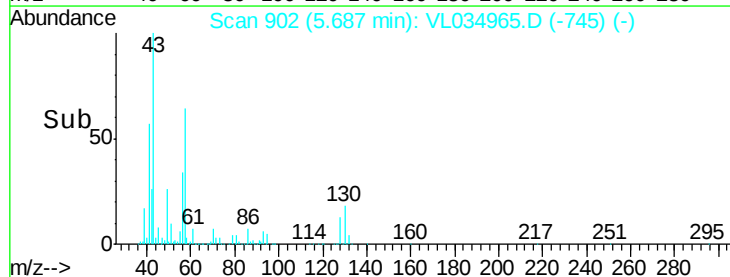
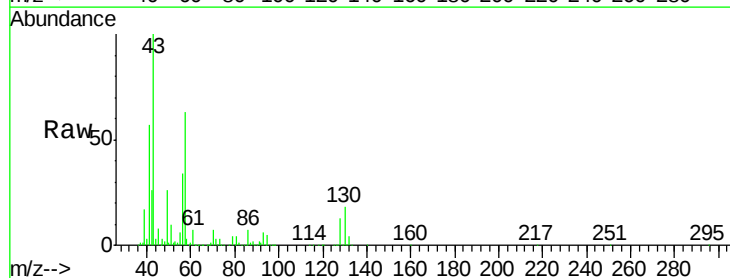
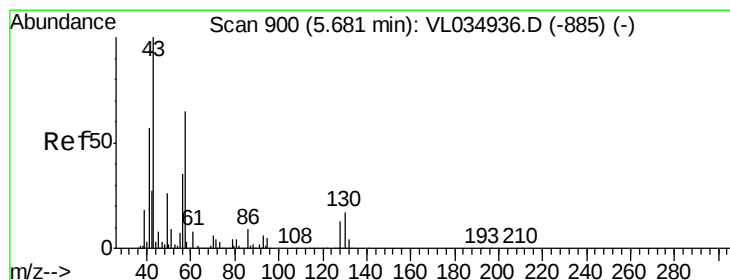
Tot Ion	43	Resp	2266442
Ion	Ratio	Lower	Upper
43	100		
45	10.1	8.1	12.1
61	9.5	7.8	11.8
70	7.7	6.0	9.0



Instrument :
MSVOA_L
ClientSampleId :
VL0507ABS01

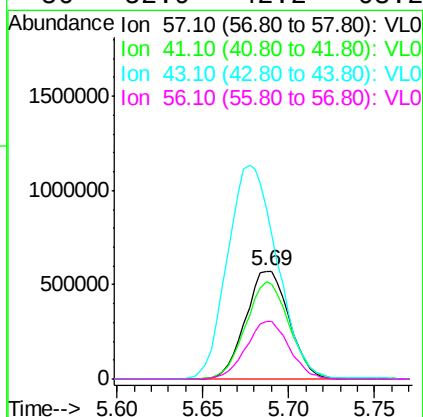
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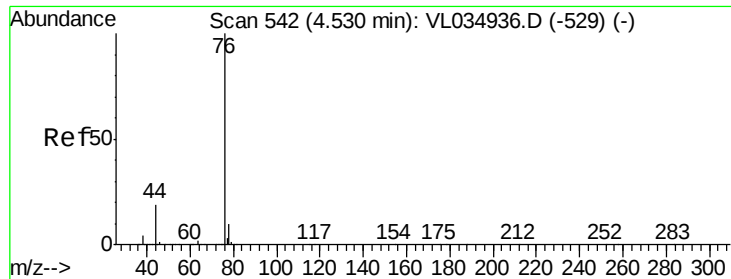
sam
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#26
Hexane
Concen: 9.521 ppbv
RT: 5.69 min Scan# 902
Delta R.T. 0.01 min
Lab File: VL034965.D
Acq: 7 May 2020 13:05

Tgt Ion	57	Resp	1009441
Ion	Ratio	Lower	Upper
57	100		
41	91.6	72.7	109.1
43	227.1	182.1	273.1
56	52.9	42.2	63.2





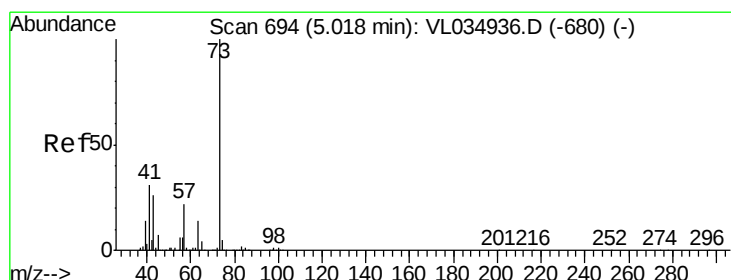
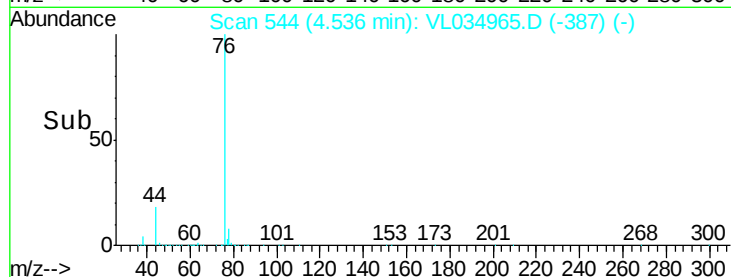
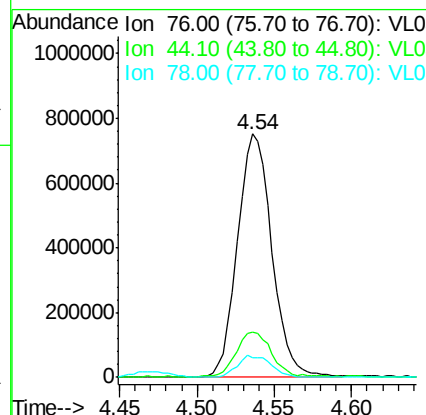
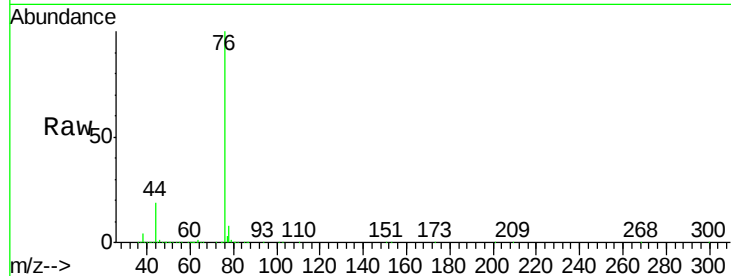
#27
Carbon Disulfide
Concen: 9.294 ppbv
RT: 4.54 min Scan# 544
Delta R.T. 0.01 min
Lab File: VL034965.D
Acq: 7 May 2020 13:05

Instrument :
MSVOA_L
ClientSampleId :
VL0507ABS01

Tot Ion: 76 Resp: 1161458
Ion Ratio Lower Upper
76 100
44 19.0 15.2 22.8
78 9.0 7.7 11.5

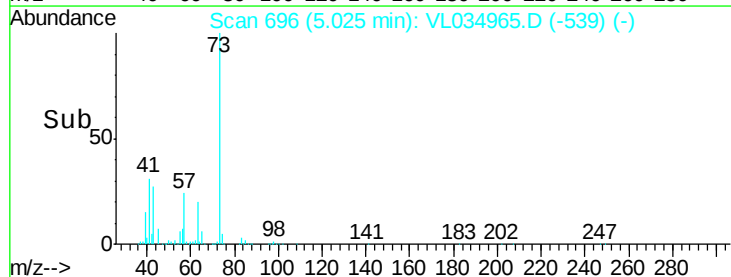
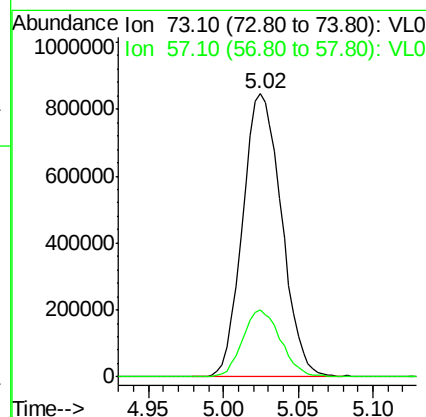
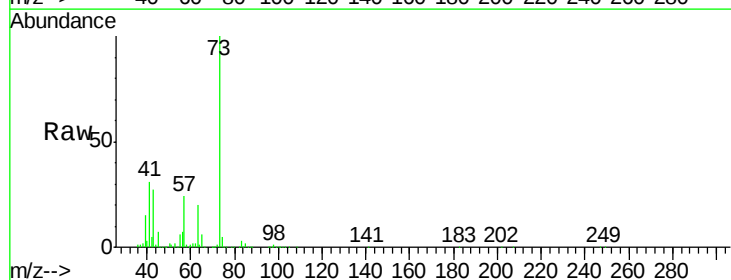
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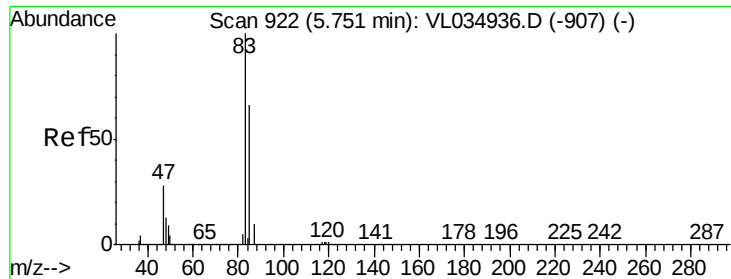
sam
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#28
Methyl tert-Butyl Ether
Concen: 9.486 ppbv
RT: 5.02 min Scan# 696
Delta R.T. 0.01 min
Lab File: VL034965.D
Acq: 7 May 2020 13:05

Tgt Ion: 73 Resp: 1531727
Ion Ratio Lower Upper
73 100
57 23.3 18.3 27.5





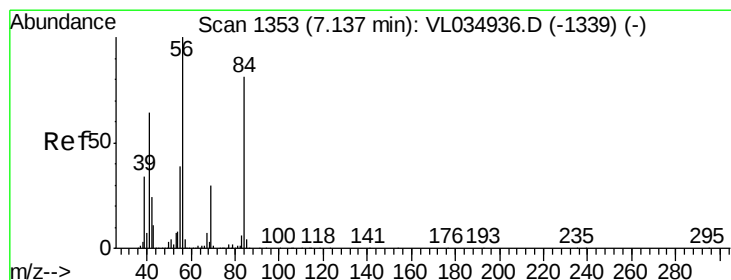
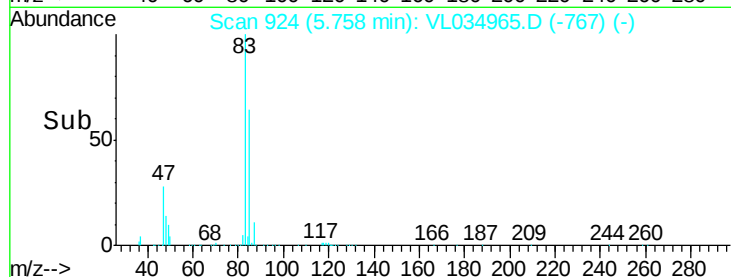
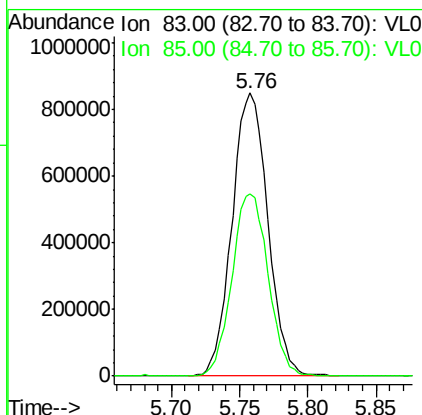
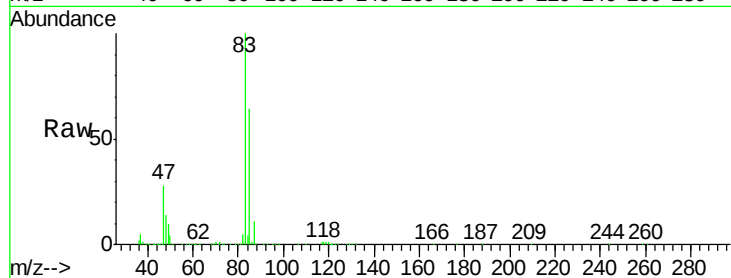
#29
Chloroform
Concen: 8.940 ppbv
RT: 5.76 min Scan# 924
Delta R.T. 0.01 min
Lab File: VL034965.D
Acq: 7 May 2020 13:05

Instrument :
MSVOA_L
ClientSampleId :
VL0507ABS01

Tot Ion: 83 Resp: 1550839
Ion Ratio Lower Upper
83 100
85 64.2 53.0 79.6

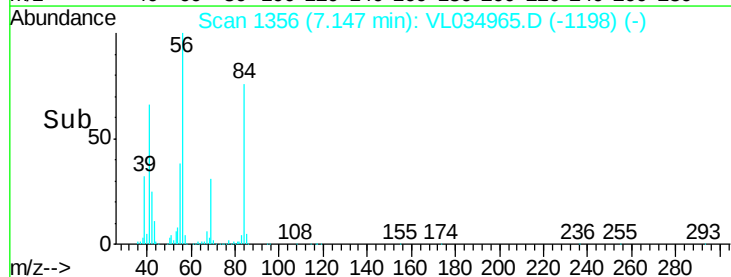
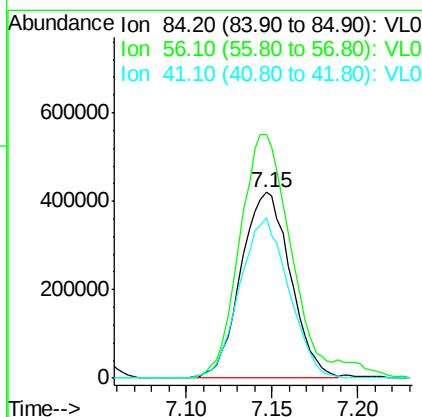
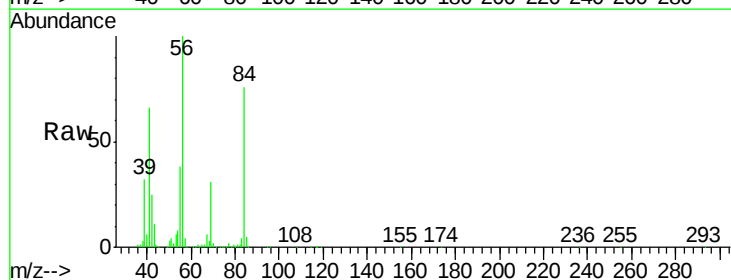
Manual Integrations
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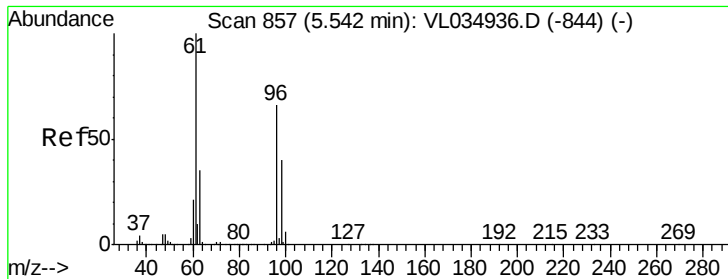
sam
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#30
Cyclohexane
Concen: 10.284 ppbv
RT: 7.15 min Scan# 1356
Delta R.T. 0.01 min
Lab File: VL034965.D
Acq: 7 May 2020 13:05

Tgt Ion: 84 Resp: 841397
Ion Ratio Lower Upper
84 100
56 140.3 111.4 167.2
41 85.9 66.7 100.1





#31

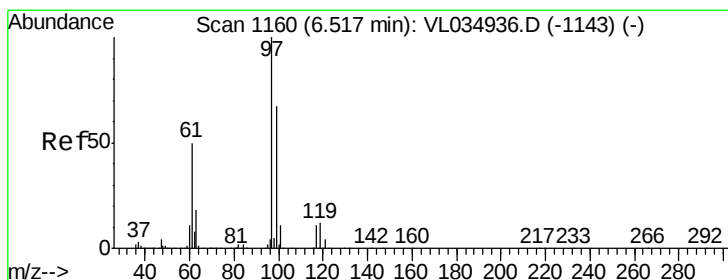
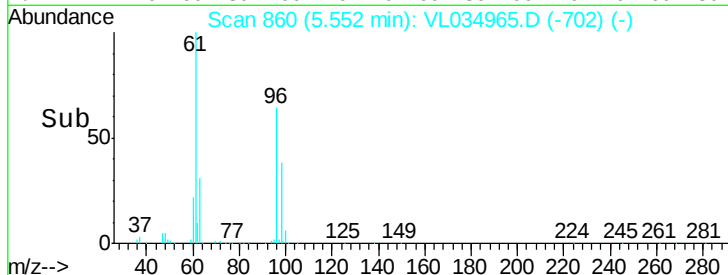
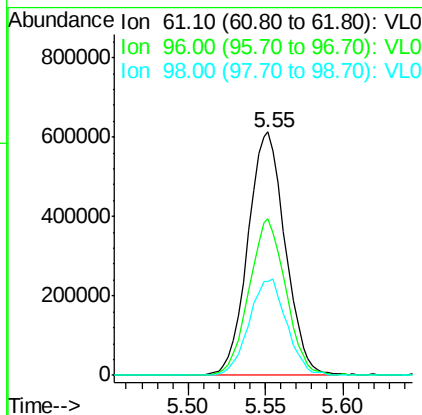
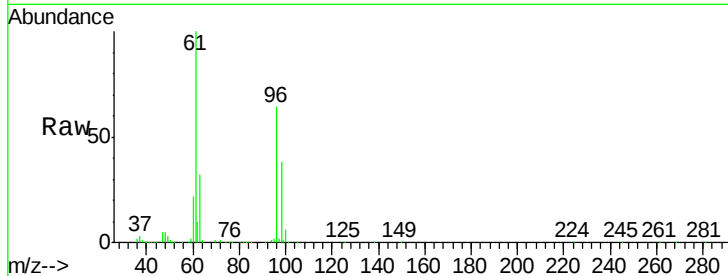
cis-1,2-Dichloroethene
Concen: 9.964 ppbv
RT: 5.55 min Scan# 860
Delta R.T. 0.01 min
Lab File: VL034965.D
Acq: 7 May 2020 13:05

Instrument :
MSVOA_L
ClientSampleId :
VL0507ABS01

Tot Ion	Ion	Ratio	Lower	Upper
61	100			
96	64.3	53.0	79.6	
98	38.3	32.2	48.2	

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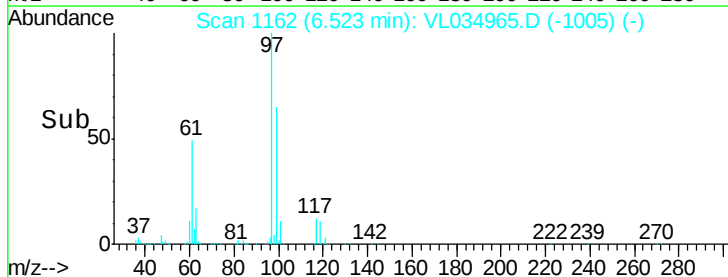
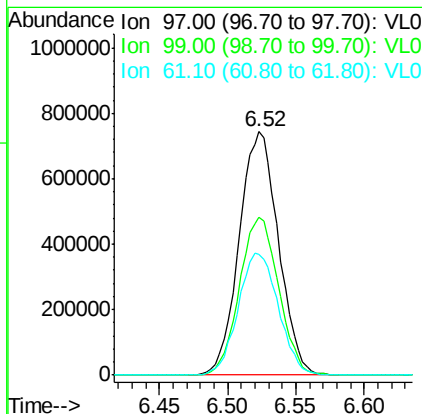
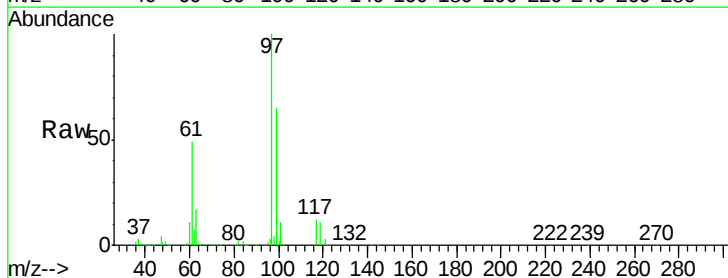
sam
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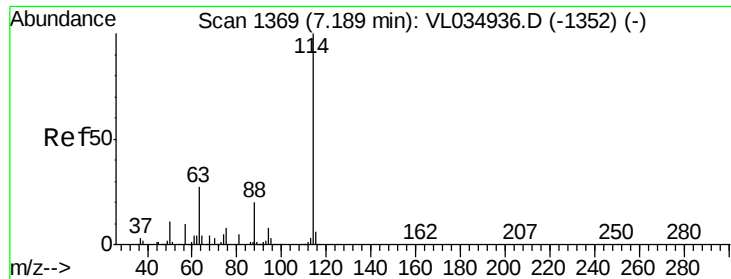


#32

1,1,1-Trichloroethane
Concen: 9.480 ppbv
RT: 6.52 min Scan# 1162
Delta R.T. 0.01 min
Lab File: VL034965.D
Acq: 7 May 2020 13:05

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	64.7	52.1	78.1	
61	51.4	41.8	62.8	





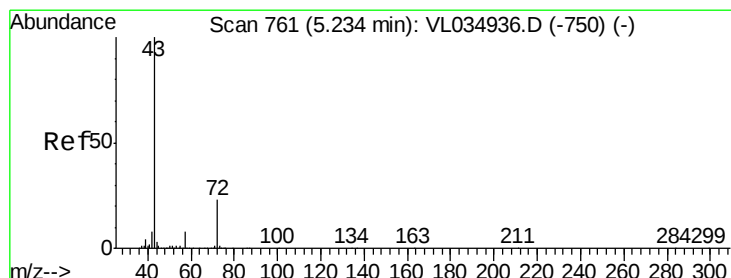
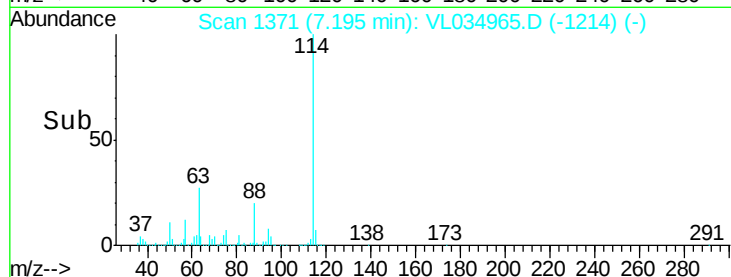
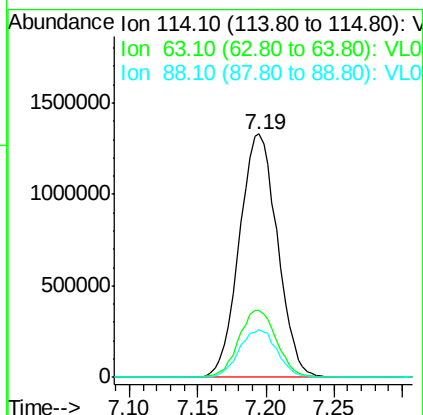
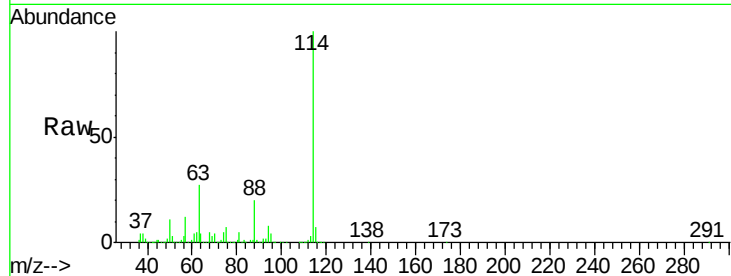
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1371
 Delta R.T. 0.01 min
 Lab File: VL034965.D
 Acq: 7 May 2020 13:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0507ABS01

Tot Ion	Ratio	Lower	Upper
114	100		
63	27.8	22.2	33.4
88	19.5	15.5	23.3

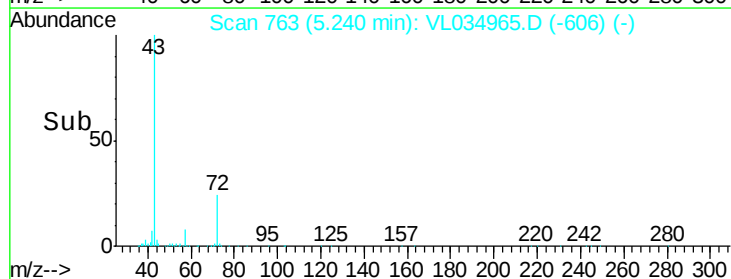
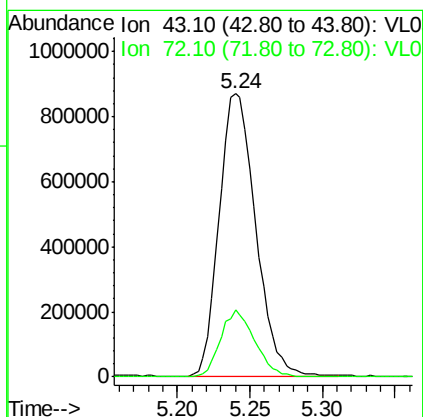
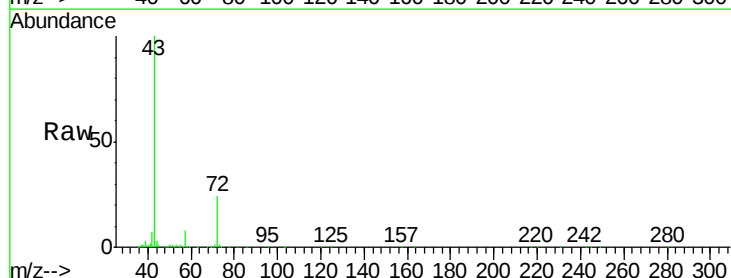
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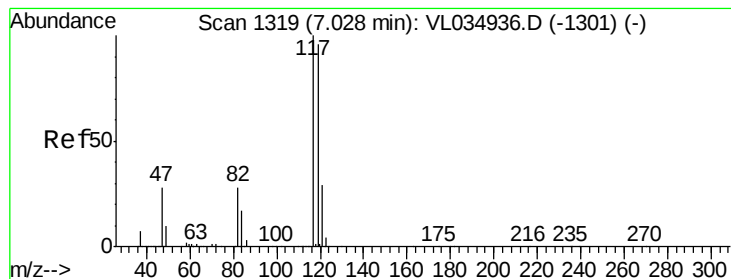
sam
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#34
 2-Butanone
 Concen: 9.436 ppbv
 RT: 5.24 min Scan# 763
 Delta R.T. 0.01 min
 Lab File: VL034965.D
 Acq: 7 May 2020 13:05

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.4	18.0	27.0





#35

Carbon Tetrachloride

Concen: 9.194 ppbv

RT: 7.04 min Scan# 1322

Delta R.T. 0.01 min

Lab File: VL034965.D

Acq: 7 May 2020 13:05

Instrument :

MSVOA_L

ClientSampleId :

VL0507ABS01

Tot Ion: 117 Resp: 1498726

Ion Ratio Lower Upper

117 100

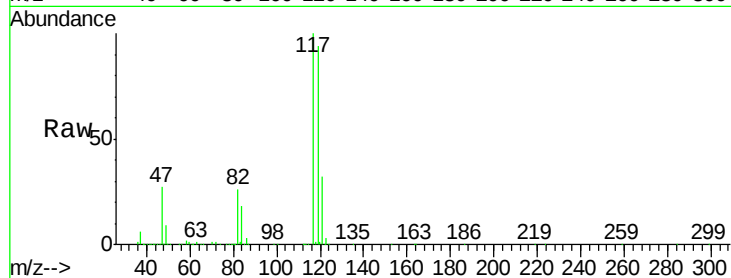
119 93.5 77.0 115.6

121 31.5 23.0 34.6

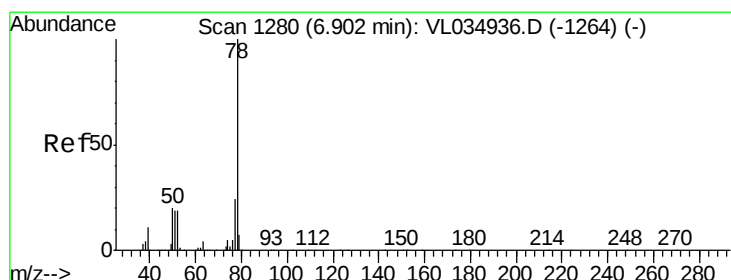
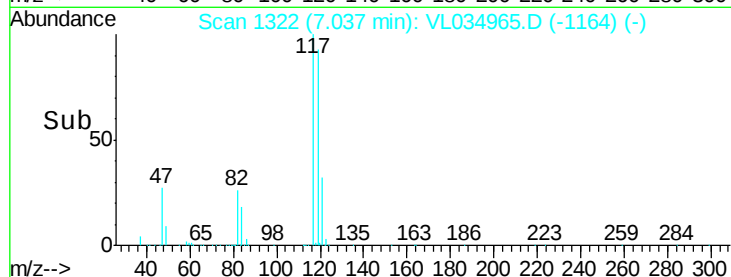
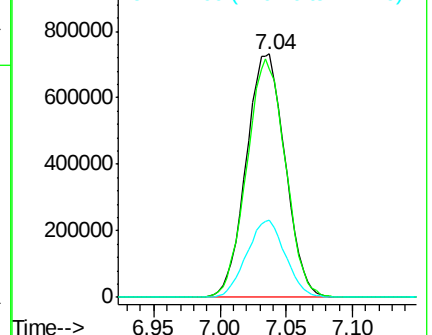
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Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 9.494 ppbv

RT: 6.91 min Scan# 1282

Delta R.T. 0.01 min

Lab File: VL034965.D

Acq: 7 May 2020 13:05

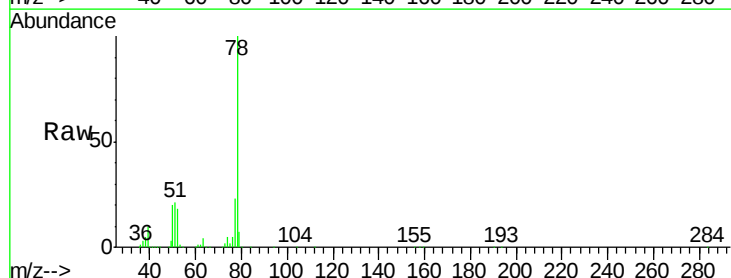
Tgt Ion: 78 Resp: 2021552

Ion Ratio Lower Upper

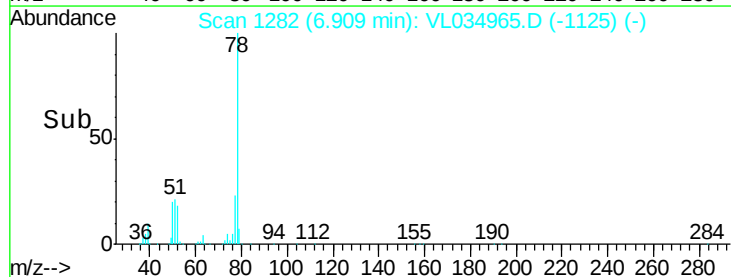
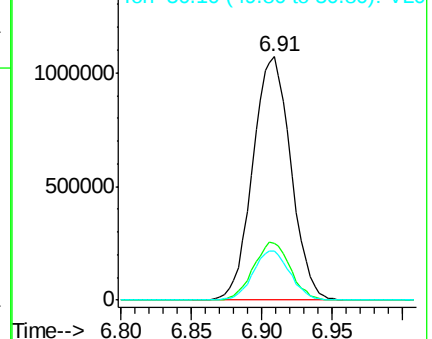
78 100

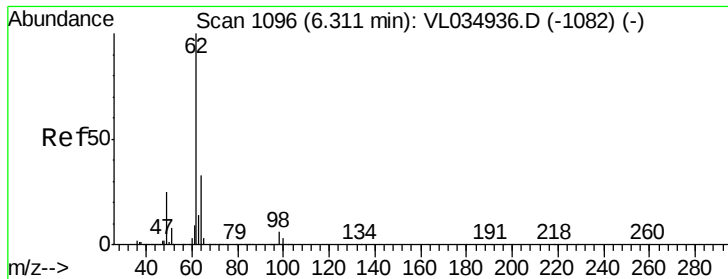
77 23.3 19.0 28.6

50 20.4 15.8 23.8



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





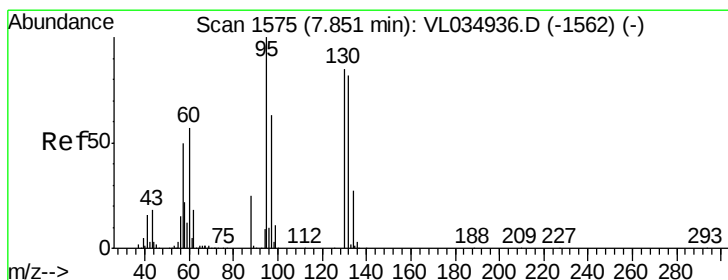
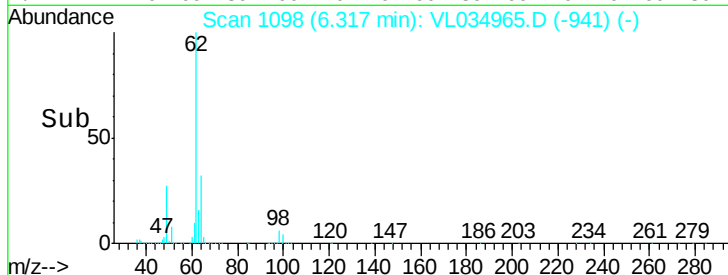
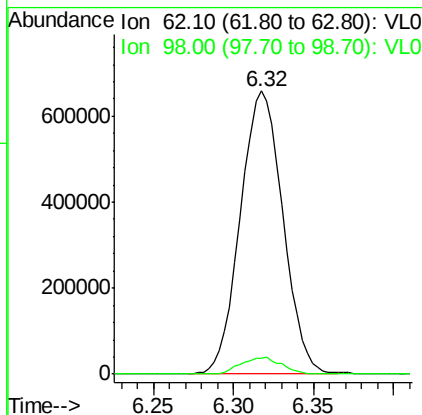
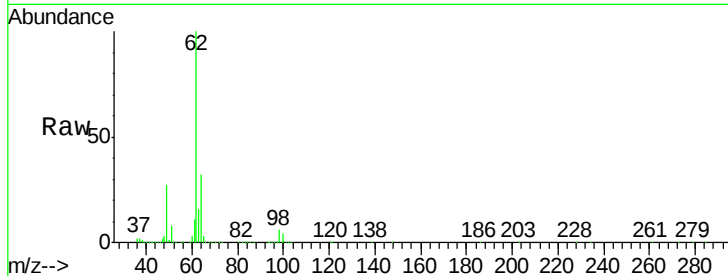
#37
 1,2-Dichloroethane
 Concen: 9.097 ppbv
 RT: 6.32 min Scan# 1098
 Delta R.T. 0.01 min
 Lab File: VL034965.D
 Acq: 7 May 2020 13:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0507ABS01

Tot Ion: 62 Resp: 1194828
 Ion Ratio Lower Upper
 62 100
 98 5.9 4.8 7.2

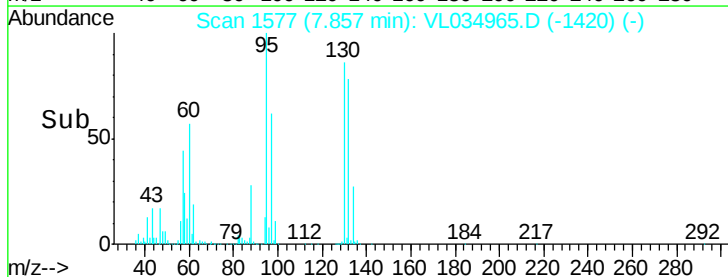
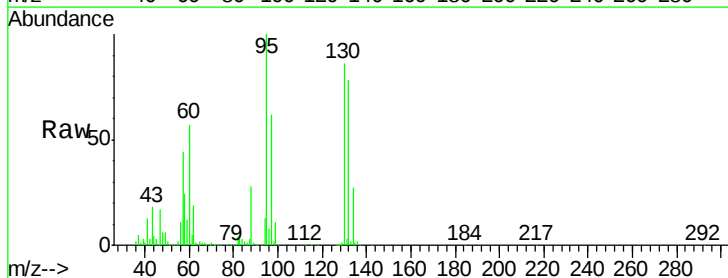
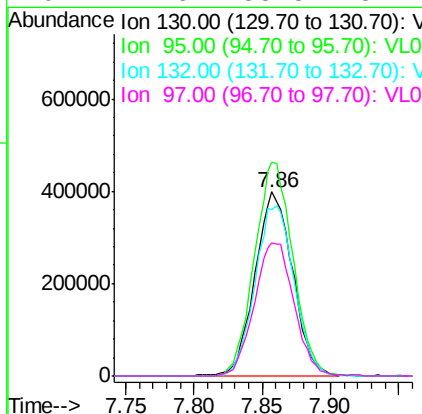
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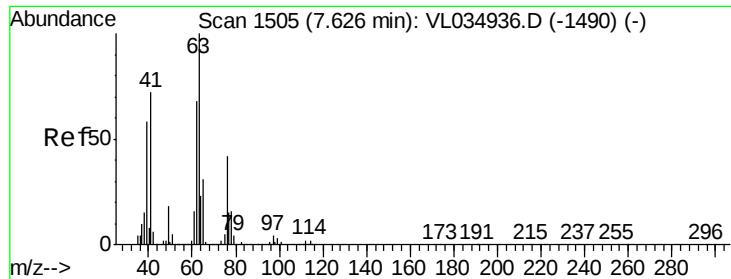
sam
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#38
 Trichloroethene
 Concen: 9.205 ppbv
 RT: 7.86 min Scan# 1577
 Delta R.T. 0.01 min
 Lab File: VL034965.D
 Acq: 7 May 2020 13:05

Tgt Ion: 130 Resp: 759308
 Ion Ratio Lower Upper
 130 100
 95 116.2 93.4 140.0
 132 90.7 76.4 114.6
 97 72.6 58.5 87.7





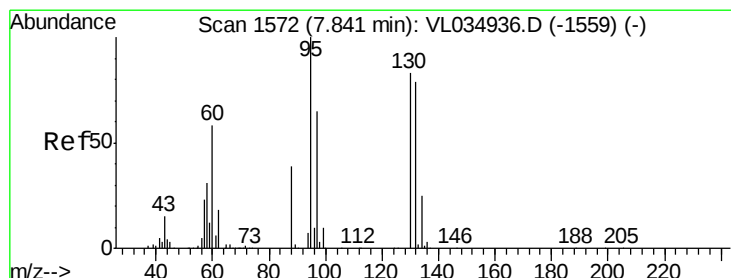
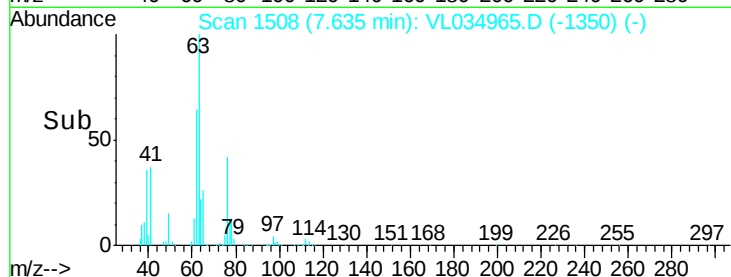
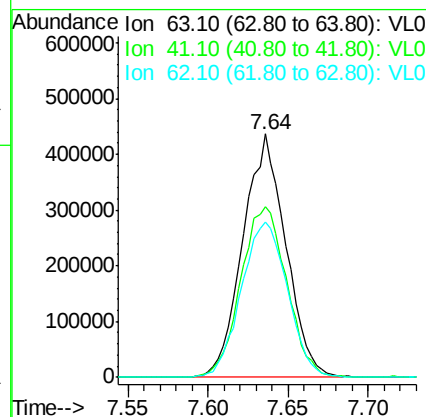
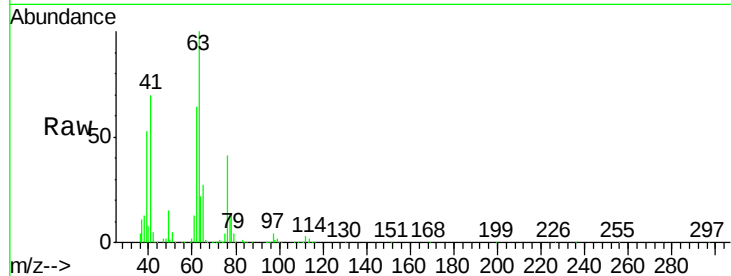
#39
 1,2-Dichloropropane
 Concen: 9.300 ppbv
 RT: 7.64 min Scan# 1508
 Delta R.T. 0.01 min
 Lab File: VL034965.D
 Acq: 7 May 2020 13:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0507ABS01

Tot Ion	Ratio	Lower	Upper
63	100		
41	70.1	57.8	86.8
62	63.6	54.2	81.2

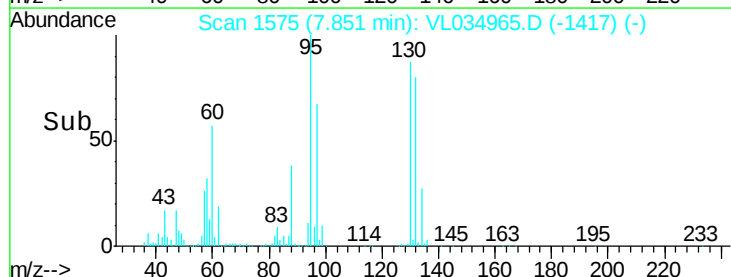
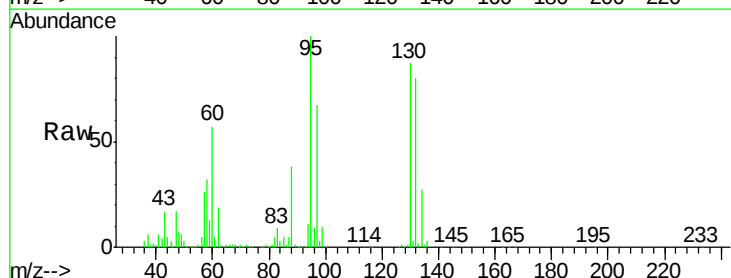
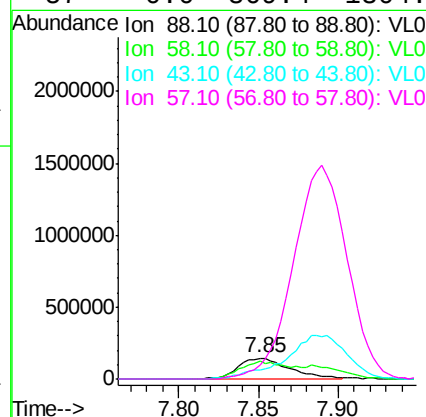
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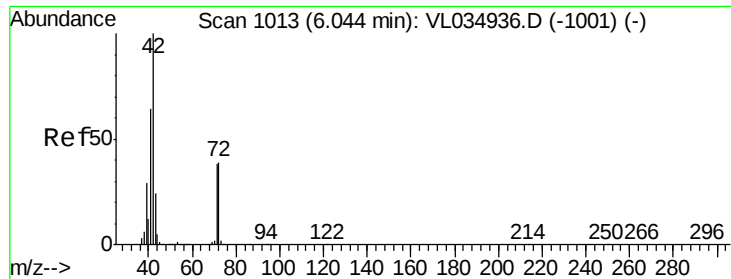
sam
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#40
 1,4-Dioxane
 Concen: 9.085 ppbv
 RT: 7.85 min Scan# 1575
 Delta R.T. 0.01 min
 Lab File: VL034965.D
 Acq: 7 May 2020 13:05

Tgt Ion	Ratio	Lower	Upper
88	100		
58	132.0	105.1	157.7
43	0.0	202.6	303.8#
57	0.0	869.4	1304.0#





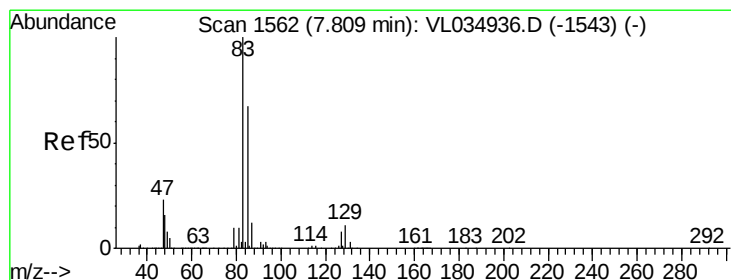
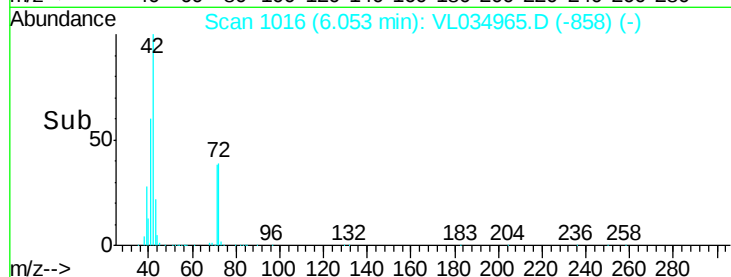
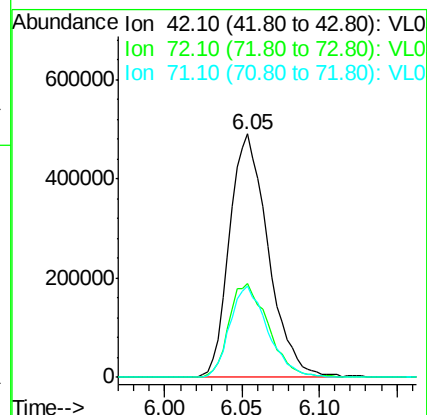
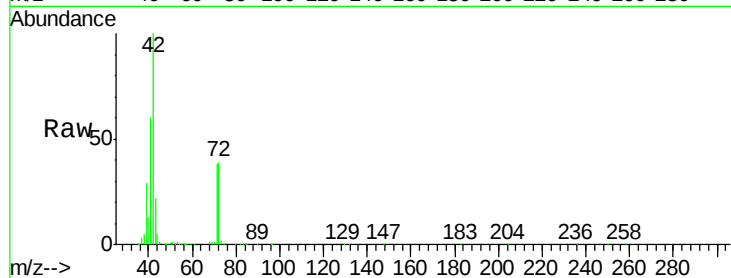
#41
Tetrahydrofuran
Concen: 10.073 ppbv
RT: 6.05 min Scan# 1016
Delta R.T. 0.01 min
Lab File: VL034965.D
Acq: 7 May 2020 13:05

Instrument :
MSVOA_L
ClientSampleId :
VL0507ABS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.3	31.4	47.0
71	37.1	29.8	44.8

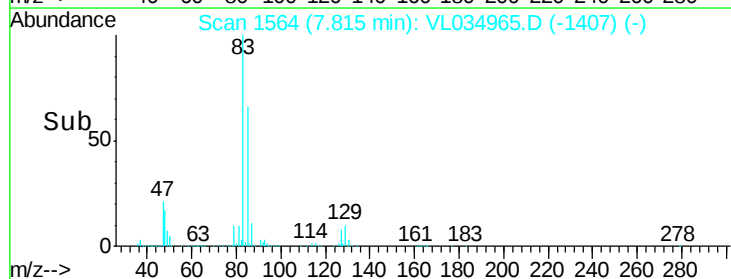
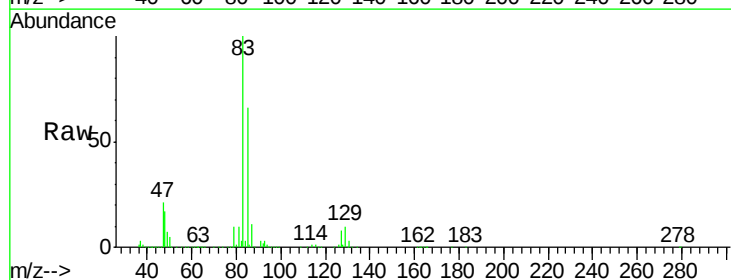
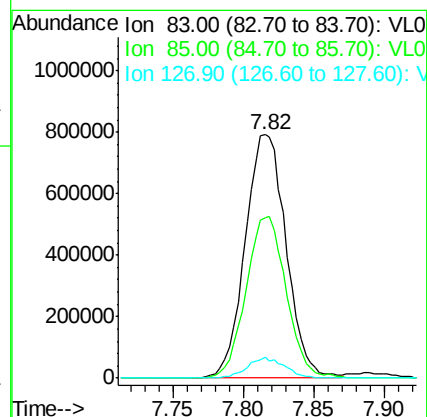
Manual Integrations
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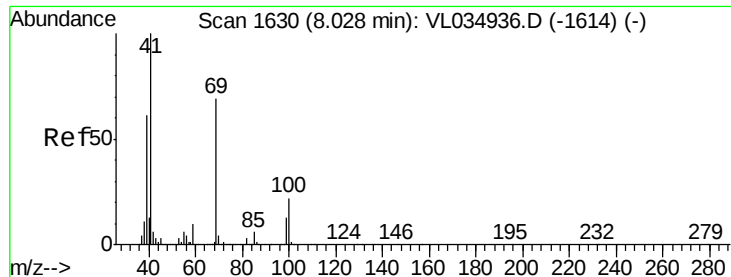
sam
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#42
Bromodichloromethane
Concen: 9.092 ppbv
RT: 7.82 min Scan# 1564
Delta R.T. 0.01 min
Lab File: VL034965.D
Acq: 7 May 2020 13:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	53.4	80.0
127	8.4	6.1	9.1





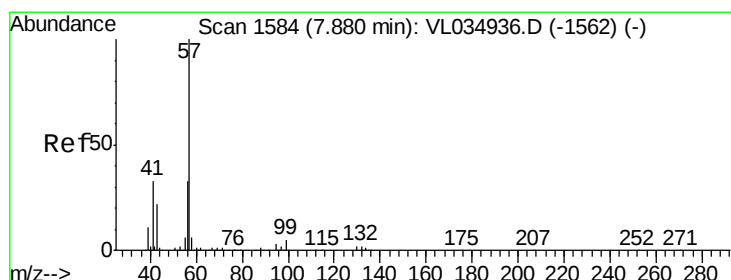
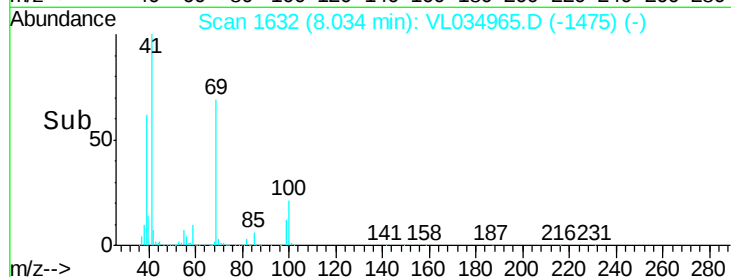
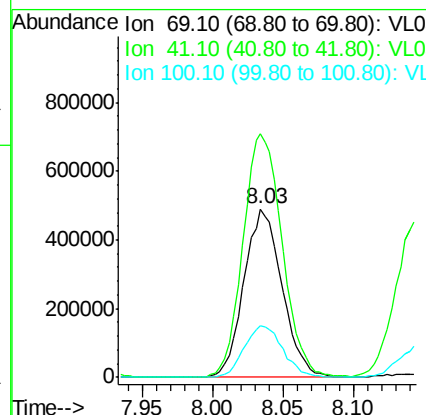
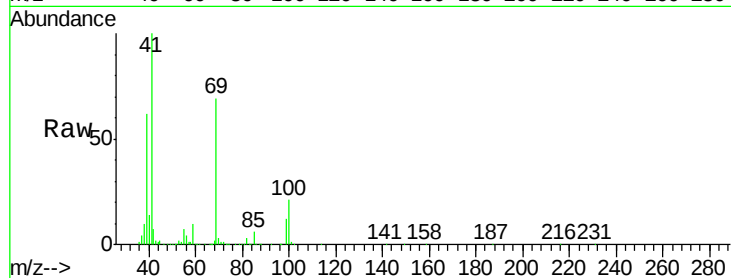
#43
Methvl Methacrilate
Concen: 10.319 ppbv
RT: 8.03 min Scan# 1632
Delta R.T. 0.01 min
Lab File: VL034965.D
Acq: 7 May 2020 13:05

Instrument :
MSVOA_L
ClientSampleId :
VL0507ABS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
69	100				
41	148.7	119.8	179.6		
100	31.2	25.0	37.6		

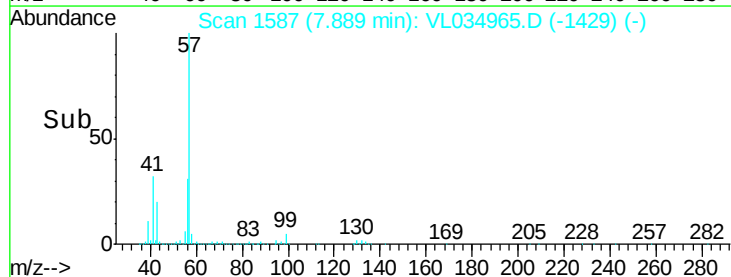
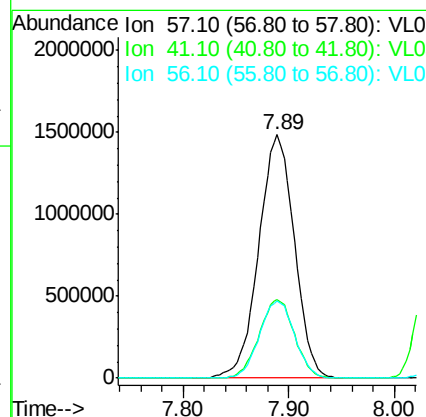
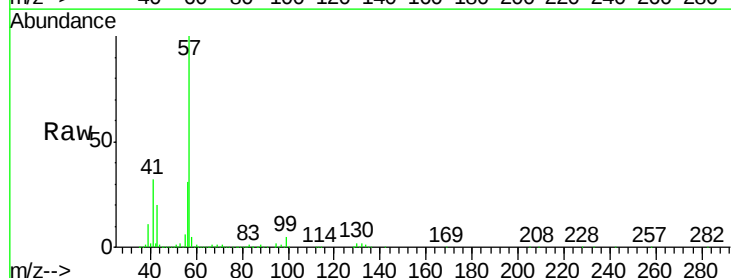
Manual Integrations
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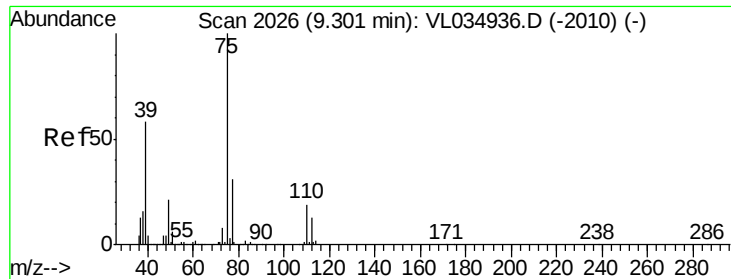
sam
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#44
2,2,4-Trimethylpentane
Concen: 9.233 ppbv
RT: 7.89 min Scan# 1587
Delta R.T. 0.01 min
Lab File: VL034965.D
Acq: 7 May 2020 13:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
57	100				
41	32.3	26.4	39.6		
56	31.4	25.5	38.3		





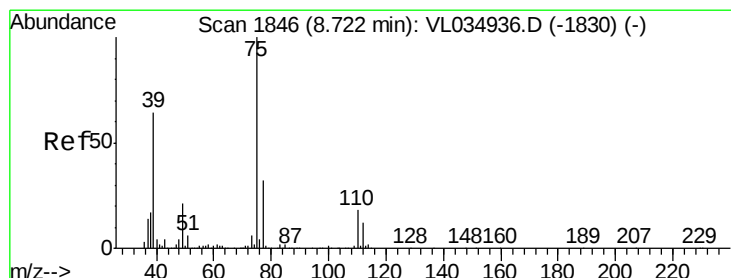
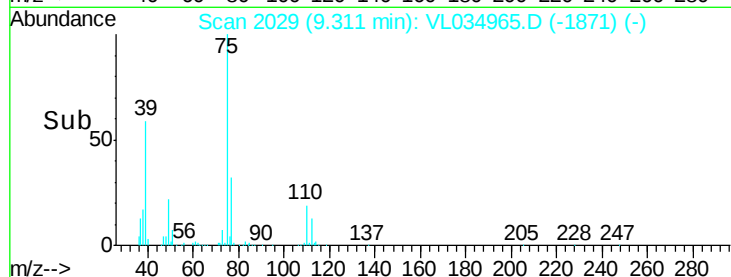
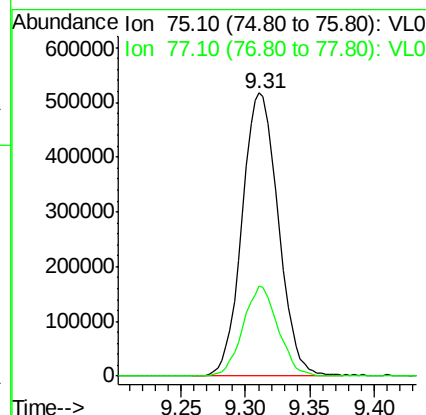
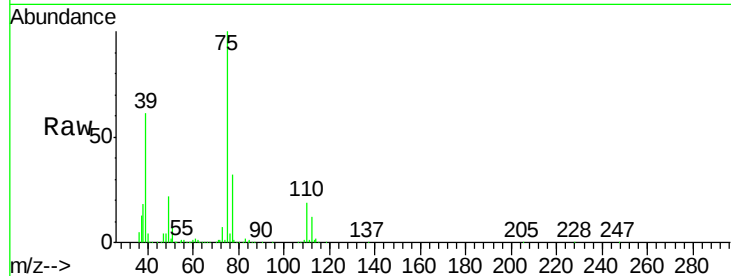
#45
t-1,3-Dichloropropene
Concen: 11.158 ppbv
RT: 9.31 min Scan# 2029
Delta R.T. 0.01 min
Lab File: VL034965.D
Acq: 7 May 2020 13:05

Instrument :
MSVOA_L
ClientSampleId :
VL0507ABS01

Tot Ion: 75 Resp: 1012435
Ion Ratio Lower Upper
75 100
77 31.8 24.9 37.3

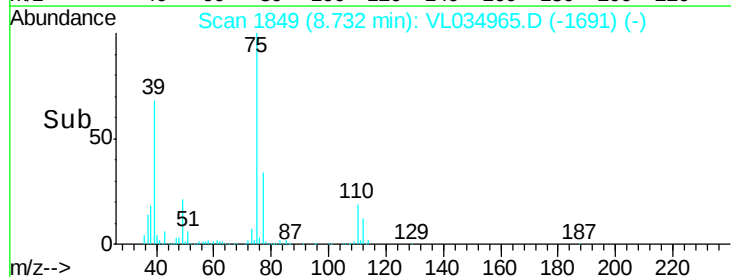
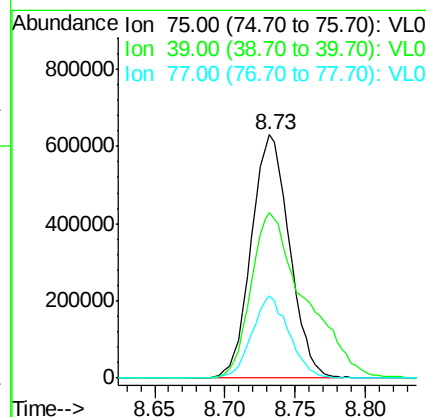
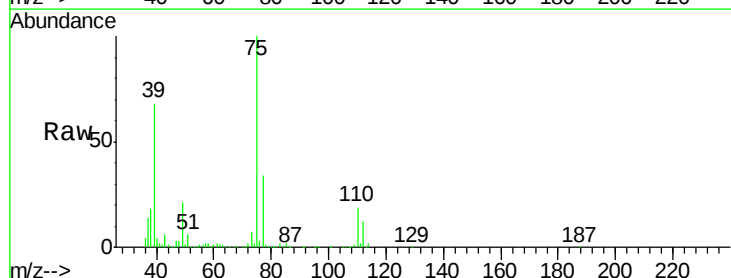
Manual Integrations
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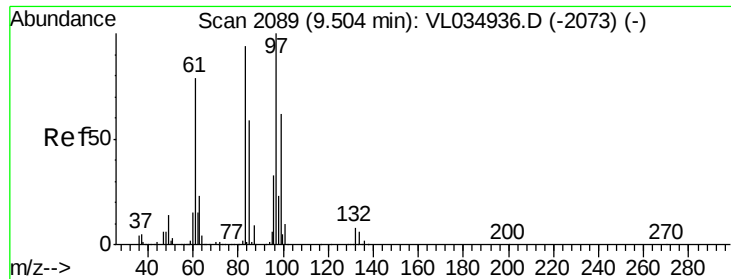
sam
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#46
cis-1,3-Dichloropropene
Concen: 10.721 ppbv
RT: 8.73 min Scan# 1849
Delta R.T. 0.01 min
Lab File: VL034965.D
Acq: 7 May 2020 13:05

Tgt Ion: 75 Resp: 1194253
Ion Ratio Lower Upper
75 100
39 67.7 51.5 77.3
77 33.7 25.5 38.3





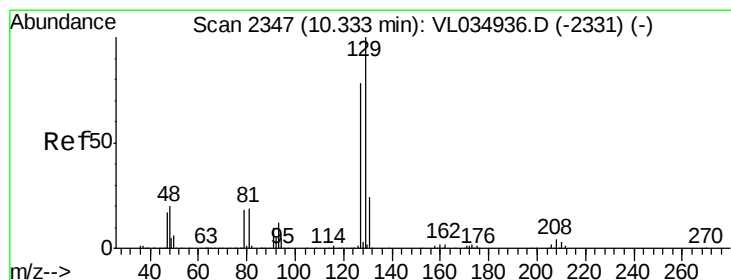
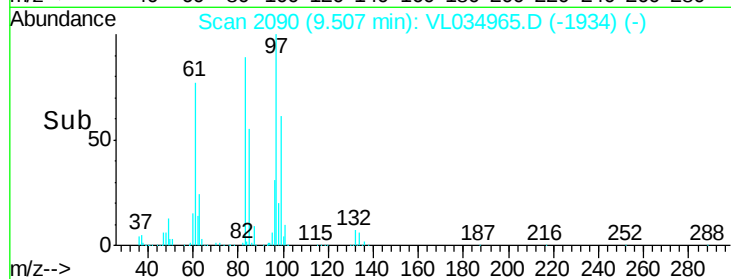
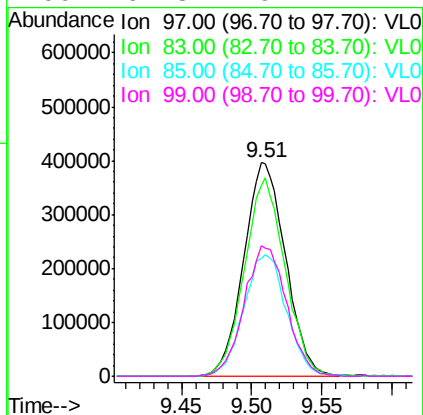
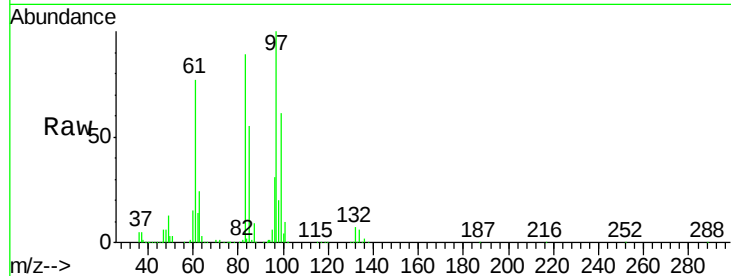
#47
 1,1,2-Trichloroethane
 Concen: 9.115 ppbv
 RT: 9.51 min Scan# 2090
 Delta R.T. 0.00 min
 Lab File: VL034965.D
 Acq: 7 May 2020 13:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0507ABS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	89.2	75.6	113.4
85	55.0	47.0	70.6
99	61.3	49.4	74.2

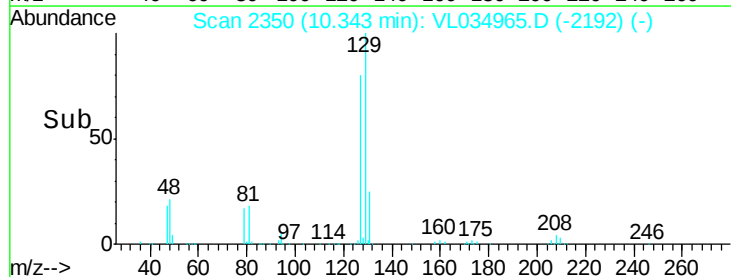
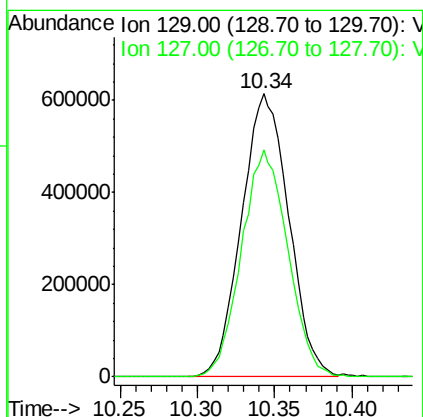
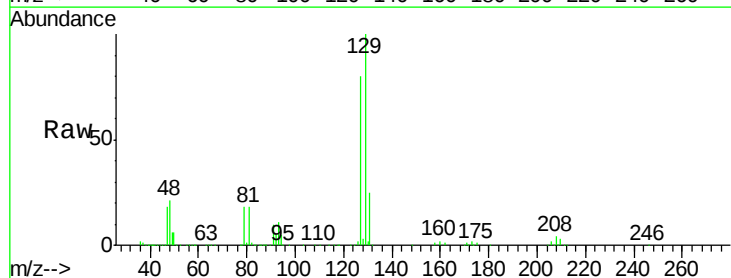
Manual Integrations
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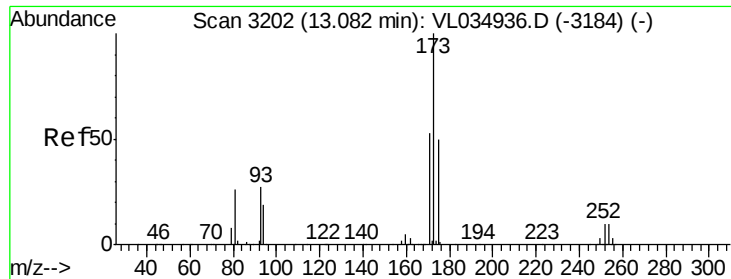
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#48
 Dibromochloromethane
 Concen: 9.395 ppbv
 RT: 10.34 min Scan# 2350
 Delta R.T. 0.01 min
 Lab File: VL034965.D
 Acq: 7 May 2020 13:05

Tgt Ion	Ratio	Lower	Upper
129	100		
127	79.1	39.1	117.2





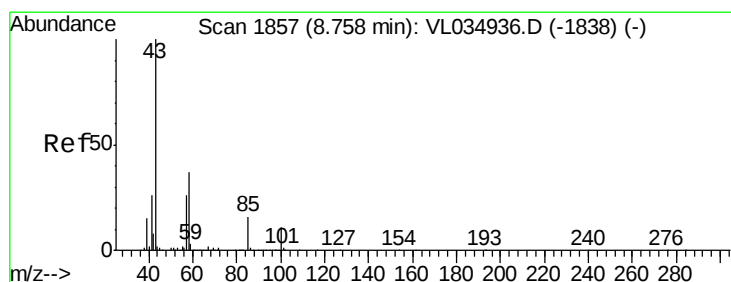
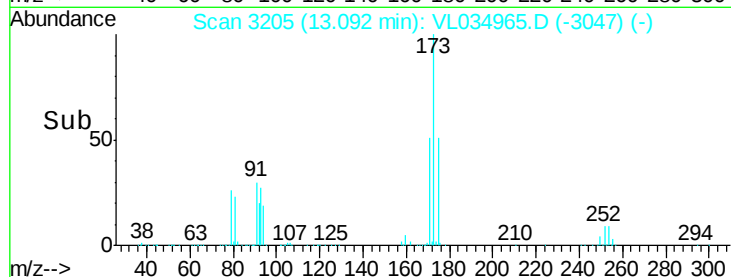
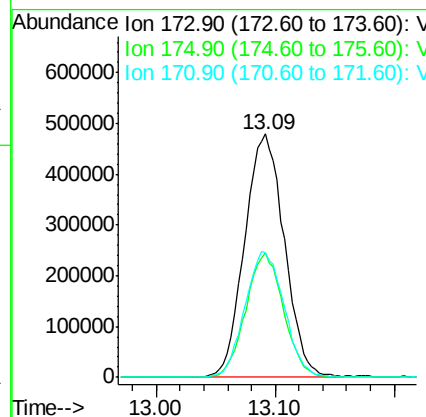
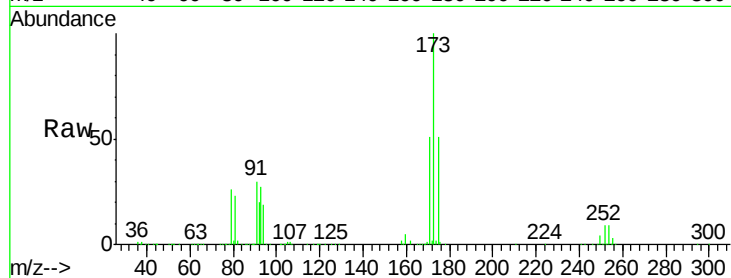
#49
Bromoform
Concen: 9.255 ppbv
RT: 13.09 min Scan# 3205
Delta R.T. 0.01 min
Lab File: VL034965.D
Acq: 7 May 2020 13:05

Instrument :
MSVOA_L
ClientSampleId :
VL0507ABS01

Tot Ion:173 Resp: 1103052
Ion Ratio Lower Upper
173 100
175 49.1 39.0 58.6
171 51.4 41.4 62.2

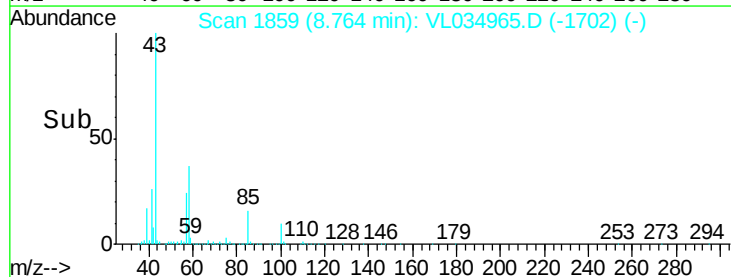
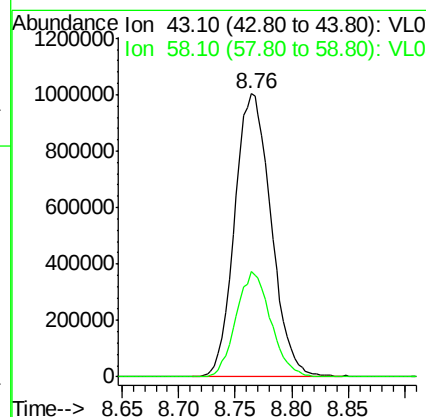
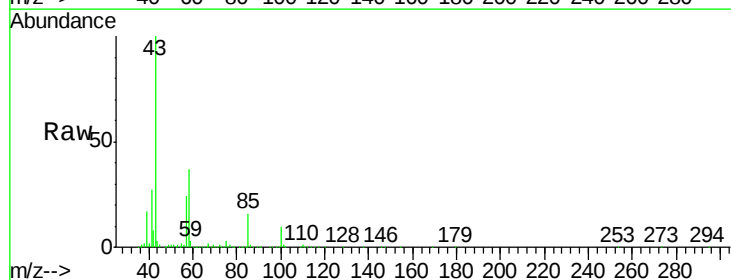
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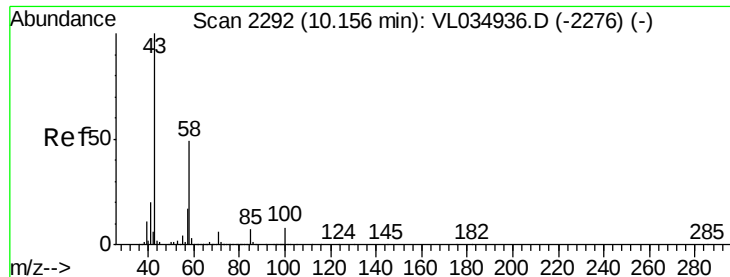
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#50
4-Methyl-2-Pentanone
Concen: 9.830 ppbv
RT: 8.76 min Scan# 1859
Delta R.T. 0.01 min
Lab File: VL034965.D
Acq: 7 May 2020 13:05

Tgt Ion: 43 Resp: 2249860
Ion Ratio Lower Upper
43 100
58 35.5 29.1 43.7





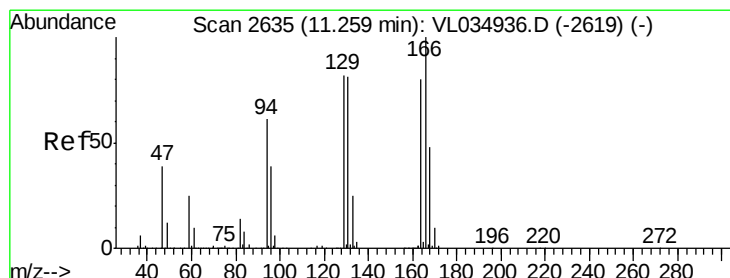
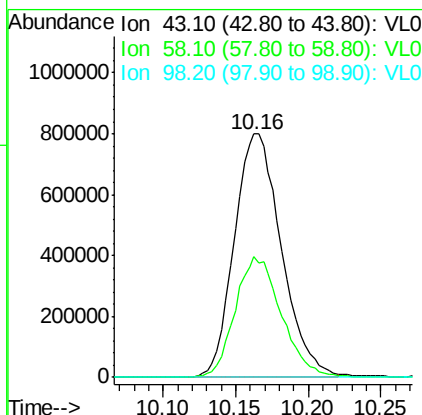
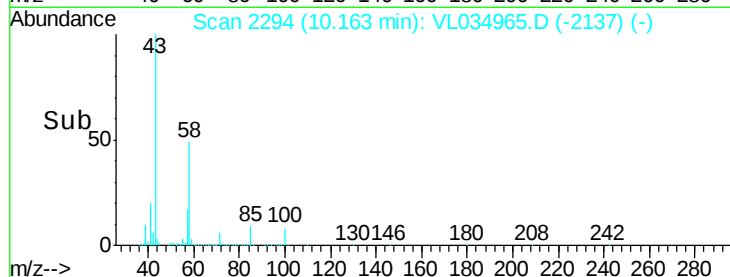
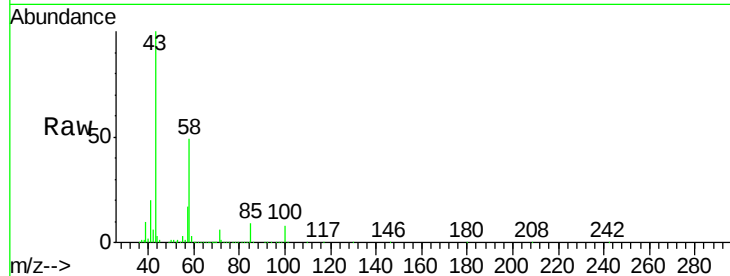
#51
2-Hexanone
Concen: 10.065 ppbv
RT: 10.16 min Scan# 2294
Delta R.T. 0.01 min
Lab File: VL034965.D
Acq: 7 May 2020 13:05

Instrument :
MSVOA_L
ClientSampleId :
VL0507ABS01

Tot Ion: 43 Resp: 1801876
Ion Ratio Lower Upper
43 100
58 48.8 39.1 58.7
98 0.3 0.3 0.5#

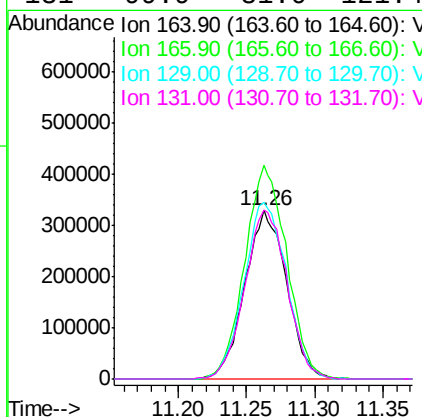
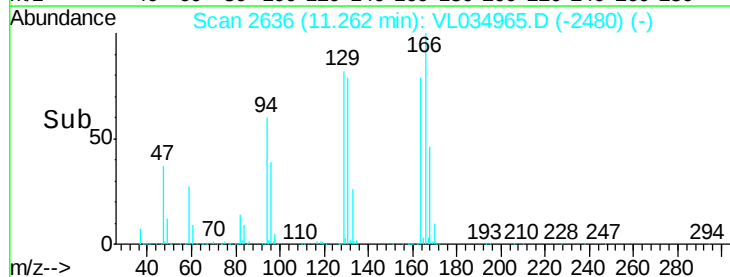
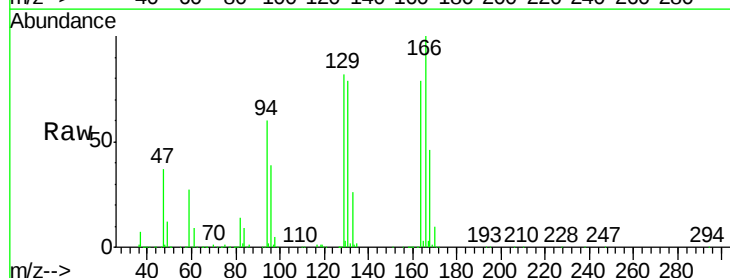
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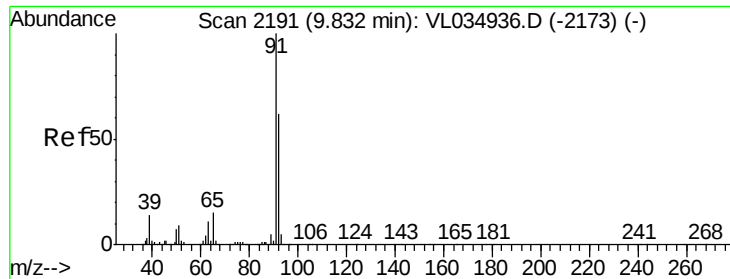
sam
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#52
Tetrachloroethene
Concen: 9.225 ppbv
RT: 11.26 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VL034965.D
Acq: 7 May 2020 13:05

Tgt Ion: 164 Resp: 698474
Ion Ratio Lower Upper
164 100
166 126.6 100.7 151.1
129 104.3 83.0 124.4
131 99.9 81.0 121.4





#53

Toluene

Concen: 10.200 ppbv

RT: 9.84 min Scan# 2194

Delta R.T. 0.01 min

Lab File: VL034965.D

Acq: 7 May 2020 13:05

Instrument :

MSVOA_L

ClientSampleId :

VL0507ABS01

Tot Ion: 91 Resp: 2302183

Ion Ratio Lower Upper

91 100

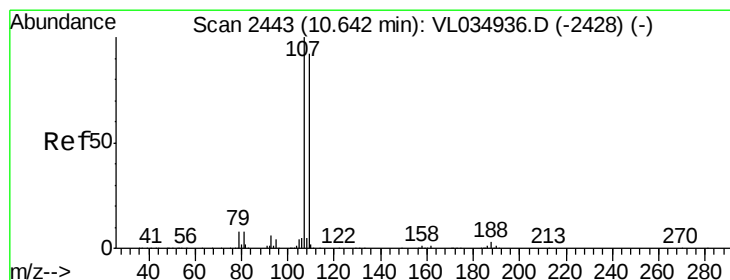
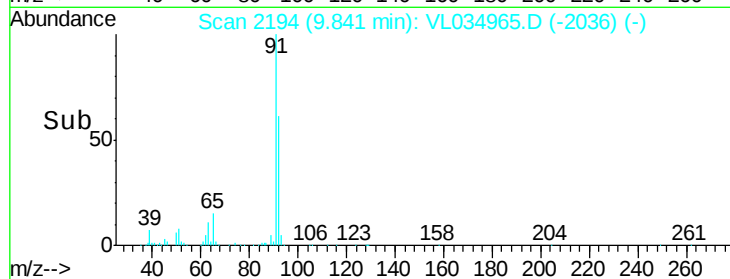
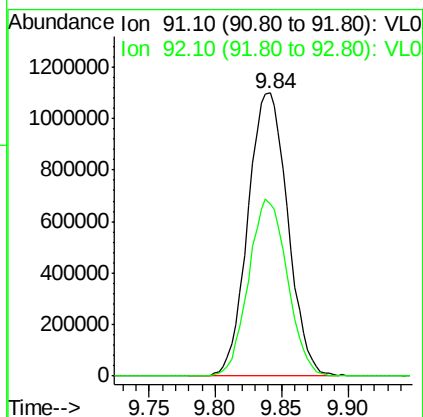
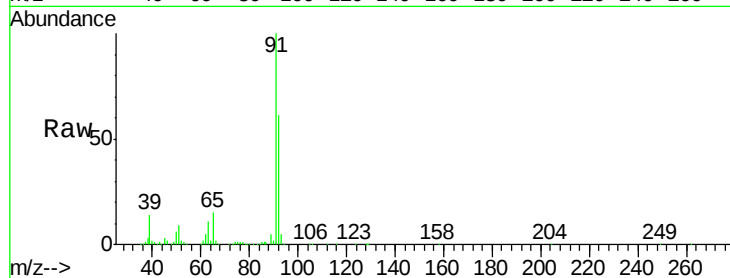
92 61.1 48.6 73.0

Manual Integrations

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sam

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#54

1,2-Dibromoethane

Concen: 9.198 ppbv

RT: 10.65 min Scan# 2446

Delta R.T. 0.01 min

Lab File: VL034965.D

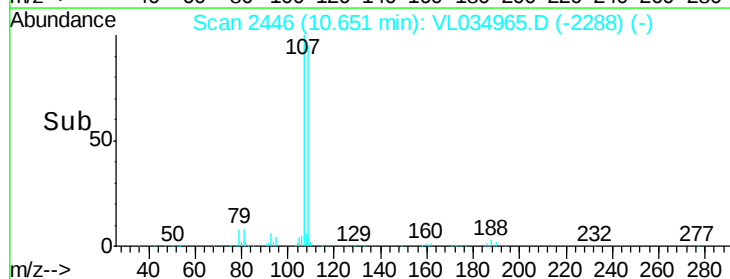
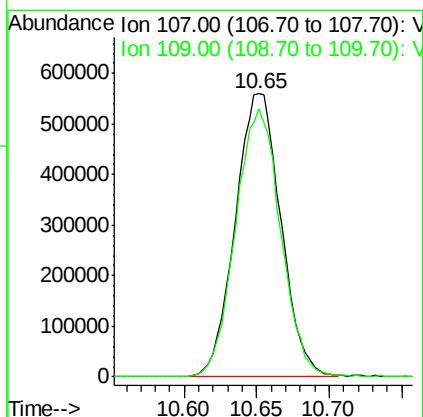
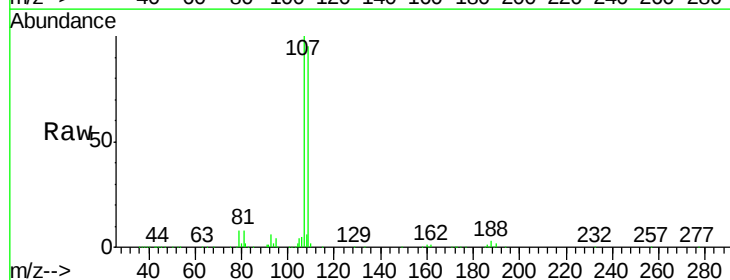
Acq: 7 May 2020 13:05

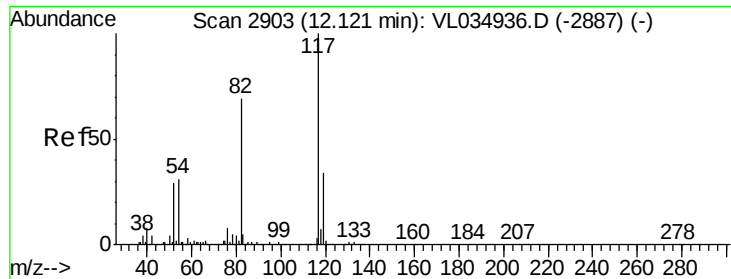
Tgt Ion: 107 Resp: 1216595

Ion Ratio Lower Upper

107 100

109 94.7 73.2 109.8





#55

Chlorobenzene-d5

Concen: 10.000 ppbv m

RT: 12.13 min Scan# 2906

Delta R.T. 0.01 min

Lab File: VL034965.D

Acq: 7 May 2020 13:05

Instrument :

MSVOA_L

ClientSampleId :

VL0507ABS01

Tot Ion:117 Resp: 2644994

Ion Ratio Lower Upper

117 100

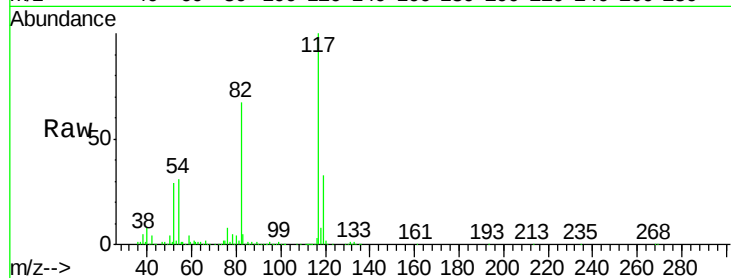
82 63.6 53.1 79.7

119 30.6 26.7 40.1

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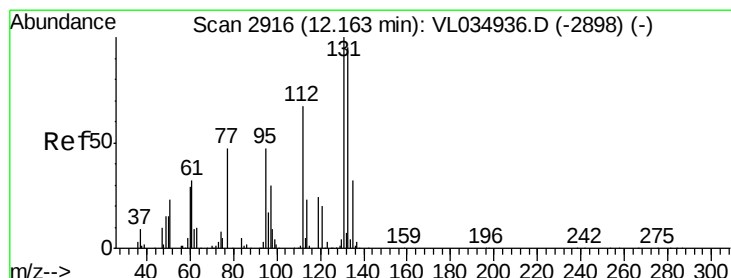
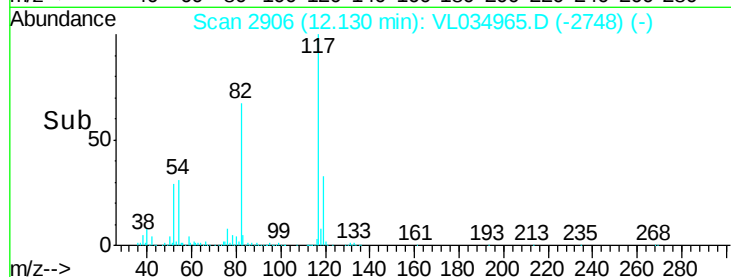
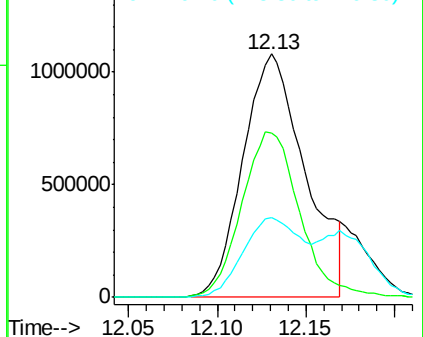
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Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 8.273 ppbv

RT: 12.17 min Scan# 2919

Delta R.T. 0.01 min

Lab File: VL034965.D

Acq: 7 May 2020 13:05

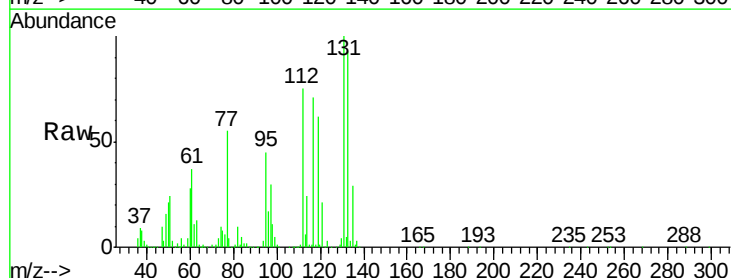
Tgt Ion:131 Resp: 986863

Ion Ratio Lower Upper

131 100

133 96.0 77.7 116.5

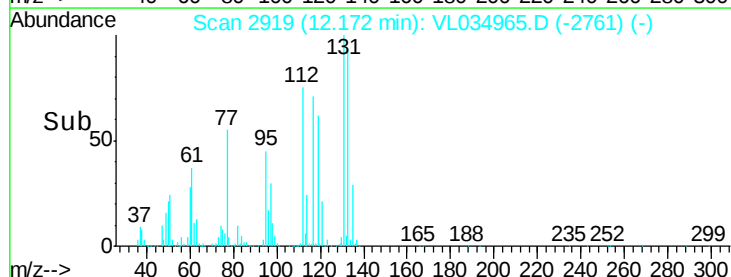
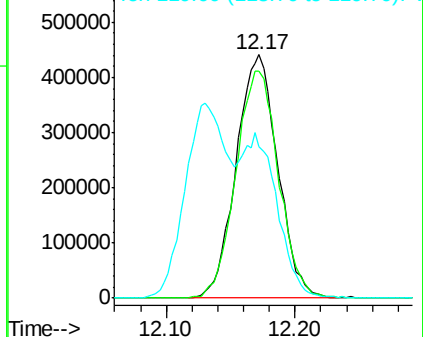
119 59.9 49.8 74.6

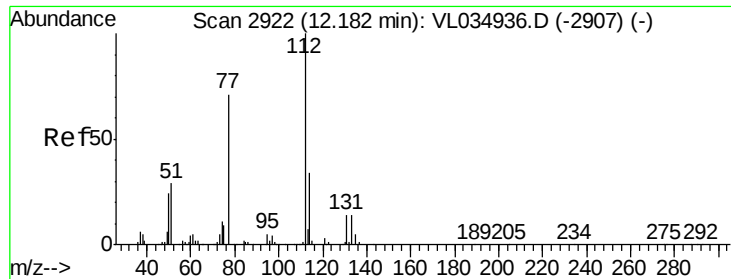


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 8.129 ppbv

RT: 12.19 min Scan# 2925

Delta R.T. 0.01 min

Lab File: VL034965.D

Acq: 7 May 2020 13:05

Instrument :

MSVOA_L

ClientSampleId :

VL0507ABS01

Tot Ion: 112 Resp: 1703386

Ion Ratio Lower Upper

112 100

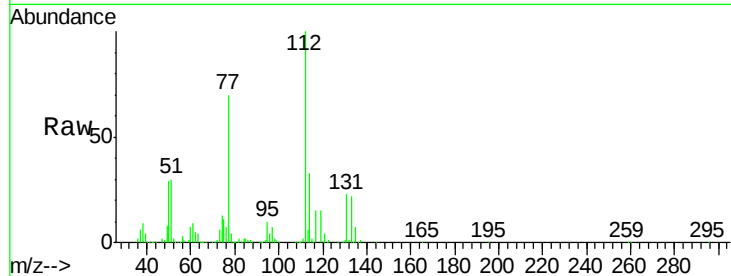
77 69.7 57.0 85.6

114 35.4 30.8 37.6

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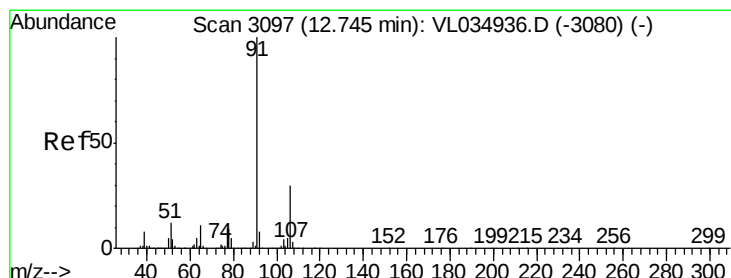
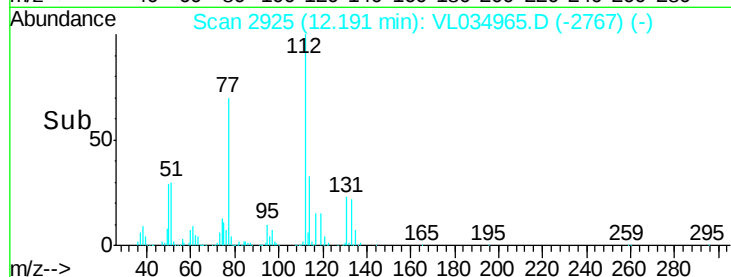
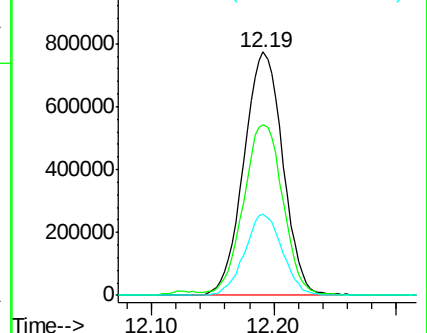
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 9.348 ppbv

RT: 12.75 min Scan# 3100

Delta R.T. 0.01 min

Lab File: VL034965.D

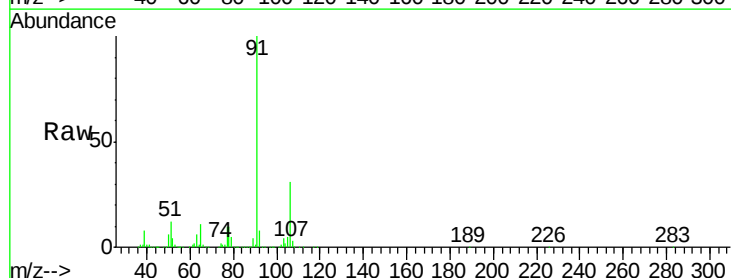
Acq: 7 May 2020 13:05

Tgt Ion: 91 Resp: 3057413

Ion Ratio Lower Upper

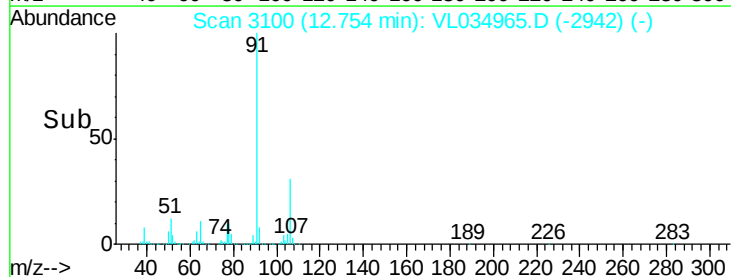
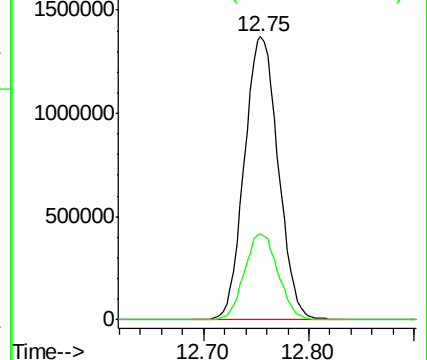
91 100

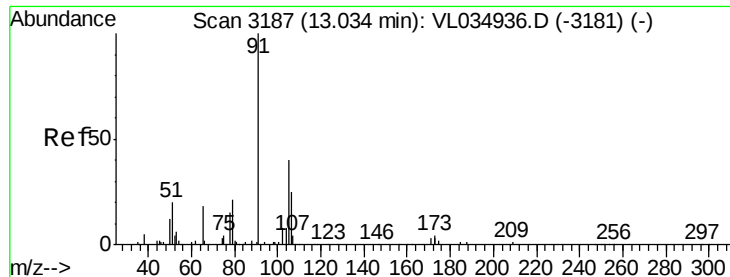
106 30.6 24.2 36.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





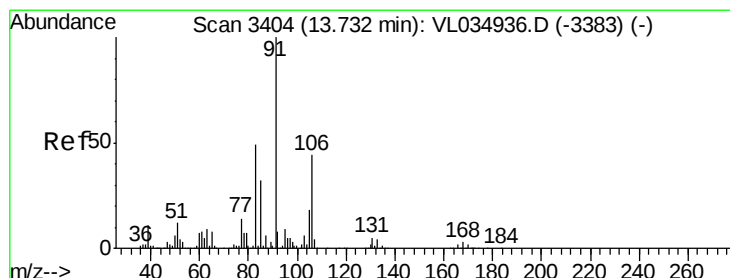
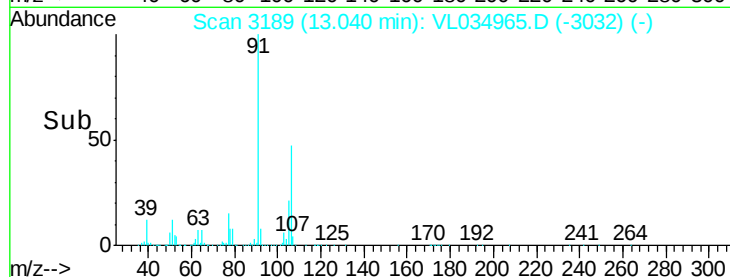
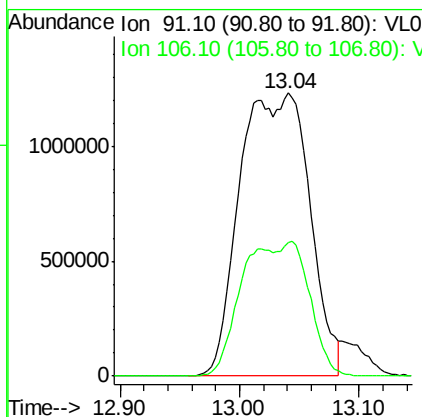
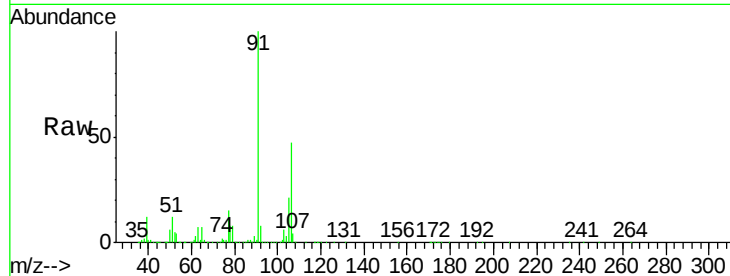
#59
m/p-Xylene
Concen: 17.328 ppbv m
RT: 13.04 min Scan# 3189
Delta R.T. 0.01 min
Lab File: VL034965.D
Acq: 7 May 2020 13:05

Instrument :
MSVOA_L
ClientSampleId :
VL0507ABS01

Tot Ion: 91 Resp: 4986402
Ion Ratio Lower Upper
91 100
106 45.9 66.0 99.0#

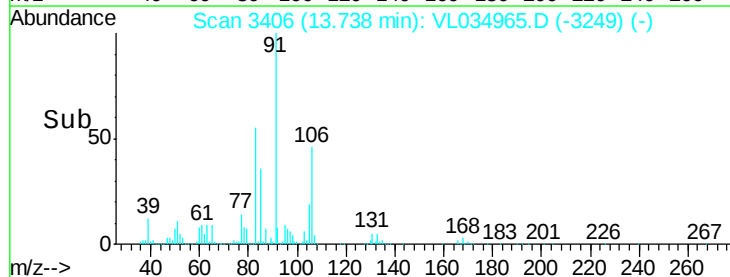
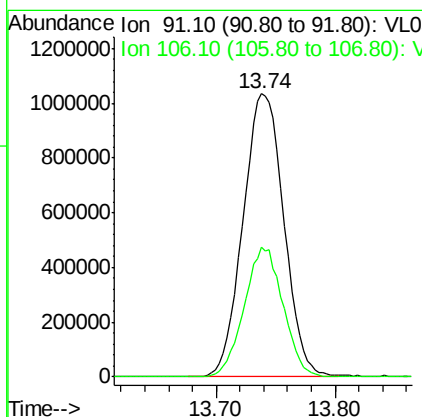
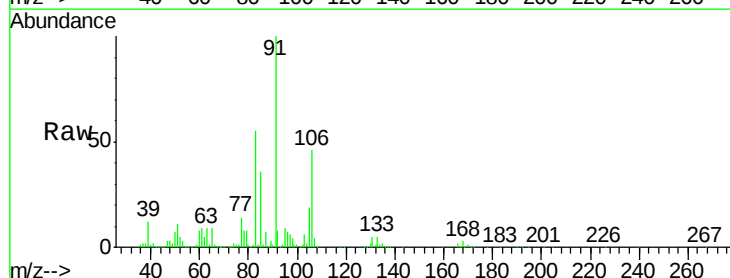
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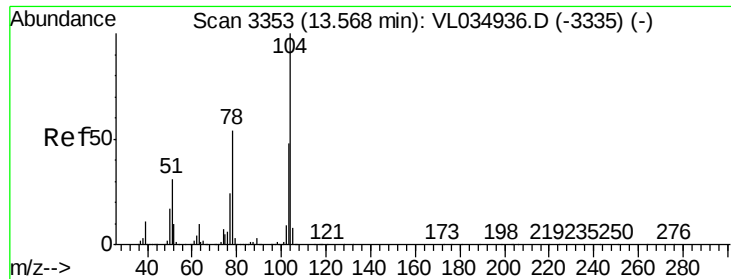
sam
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#60
o-Xylene
Concen: 8.647 ppbv
RT: 13.74 min Scan# 3406
Delta R.T. 0.01 min
Lab File: VL034965.D
Acq: 7 May 2020 13:05

Tgt Ion: 91 Resp: 2455568
Ion Ratio Lower Upper
91 100
106 43.6 21.9 65.5





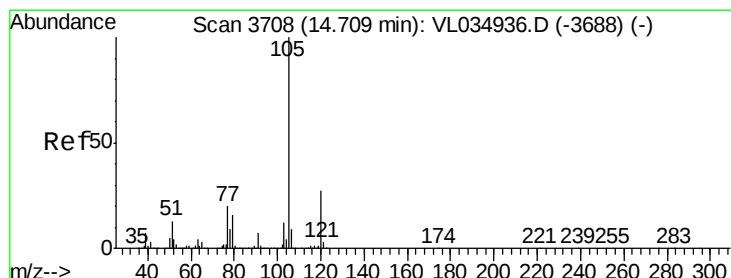
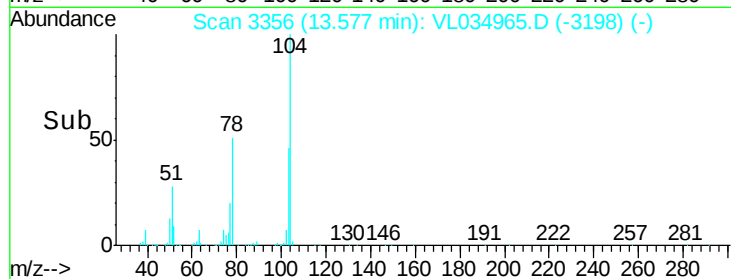
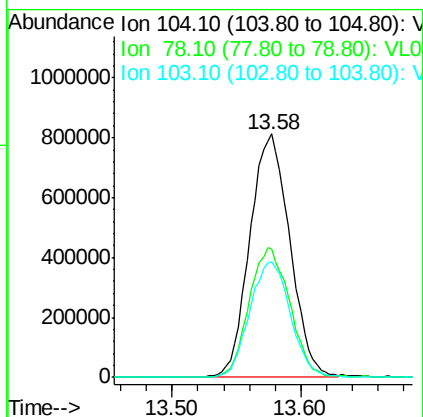
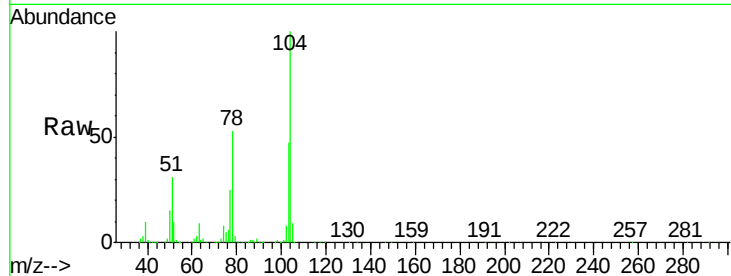
#61
Stvrene
Concen: 9.769 ppbv
RT: 13.58 min Scan# 3356
Delta R.T. 0.01 min
Lab File: VL034965.D
Acq: 7 May 2020 13:05

Instrument :
MSVOA_L
ClientSampleId :
VL0507ABS01

Tot Ion:104 Resp: 175541
Ion Ratio Lower Upper
104 100
78 54.1 43.7 65.5
103 48.4 38.8 58.2

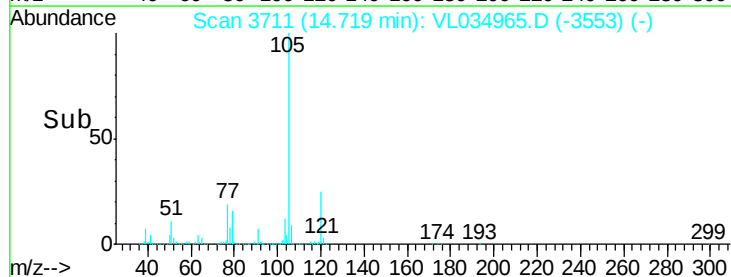
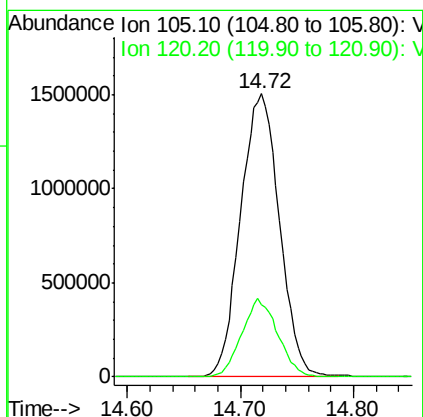
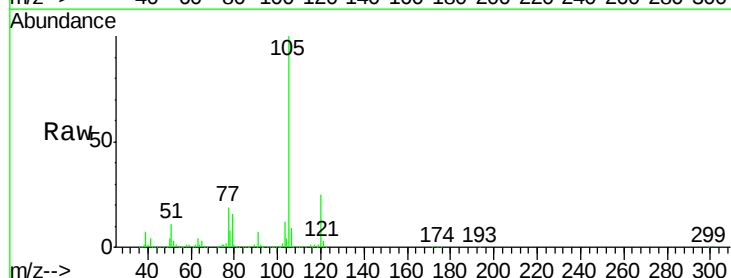
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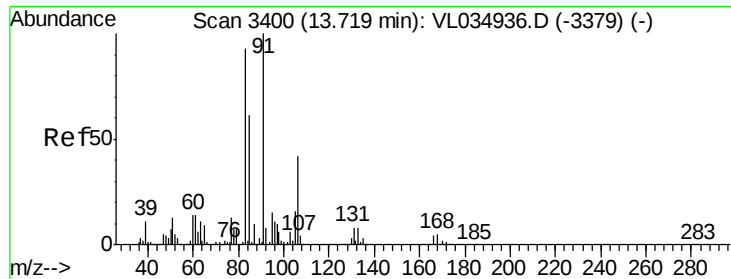
sam
5/11/2020 12:03:27 PM



#62
Isopropylbenzene
Concen: 8.497 ppbv
RT: 14.72 min Scan# 3711
Delta R.T. 0.01 min
Lab File: VL034965.D
Acq: 7 May 2020 13:05

Tgt Ion:105 Resp: 3602607
Ion Ratio Lower Upper
105 100
120 25.6 20.6 31.0





#63

1,1,2,2-Tetrachloroethane

Concen: 7.582 ppbv

RT: 13.73 min Scan# 3402

Delta R.T. 0.01 min

Lab File: VL034965.D

Acq: 7 May 2020 13:05

Instrument :

MSVOA_L

ClientSampleId :

VL0507ABS01

Tot Ion: 83 Resp: 1694724

Ion Ratio Lower Upper

83 100

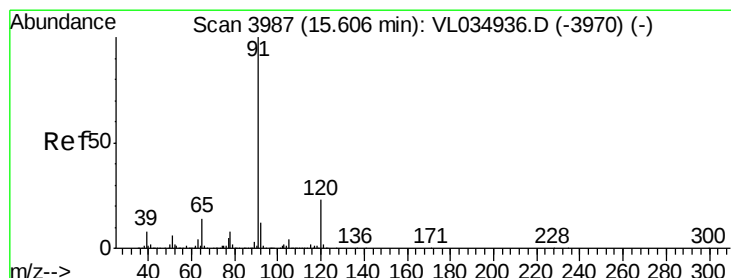
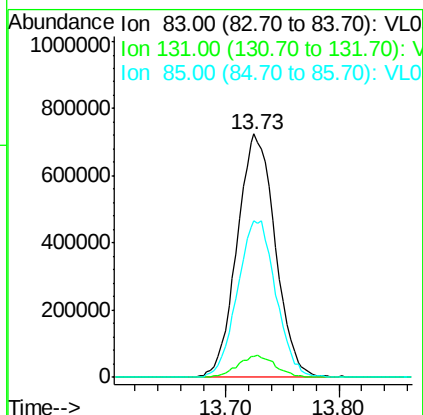
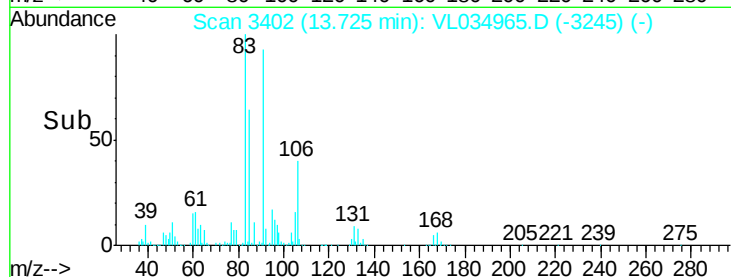
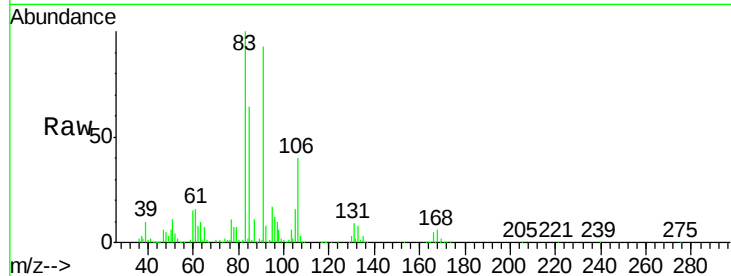
131 8.9 4.7 14.0

85 65.0 32.5 97.4

Manual Integrations
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#64

n-propylbenzene

Concen: 8.696 ppbv

RT: 15.61 min Scan# 3989

Delta R.T. 0.01 min

Lab File: VL034965.D

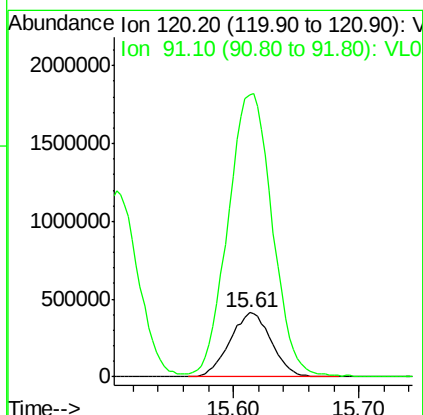
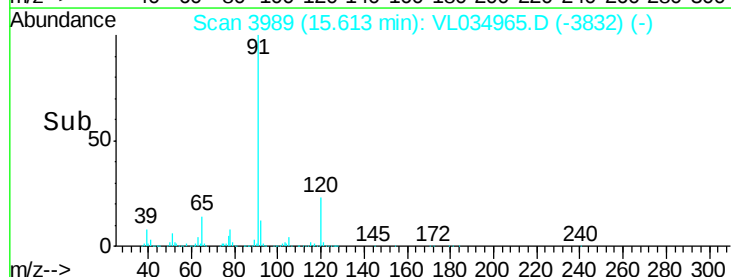
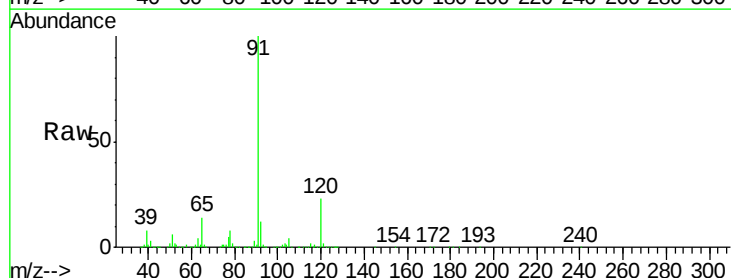
Acq: 7 May 2020 13:05

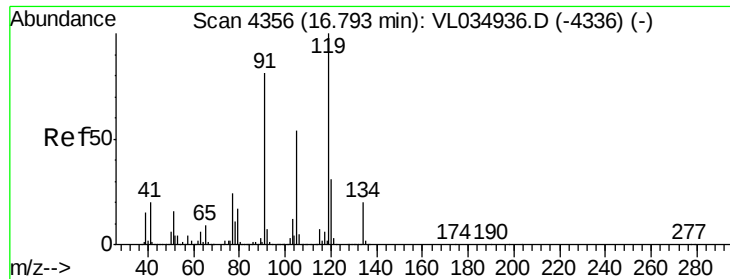
Tgt Ion: 120 Resp: 945611

Ion Ratio Lower Upper

120 100

91 474.1 373.5 560.3





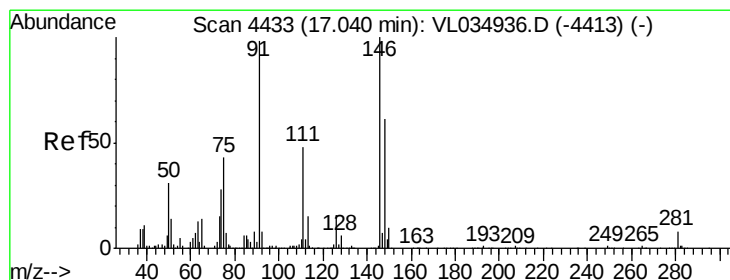
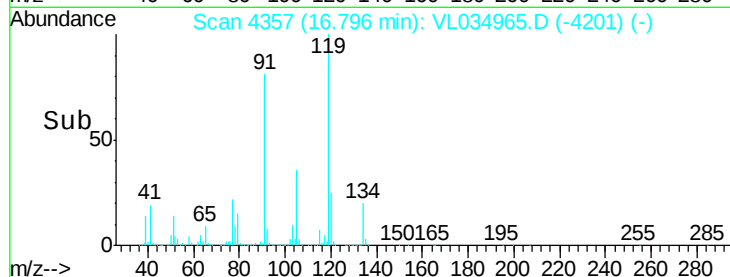
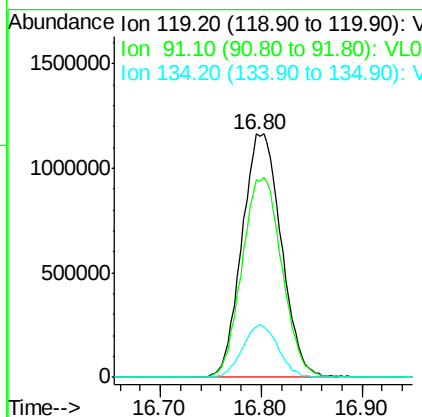
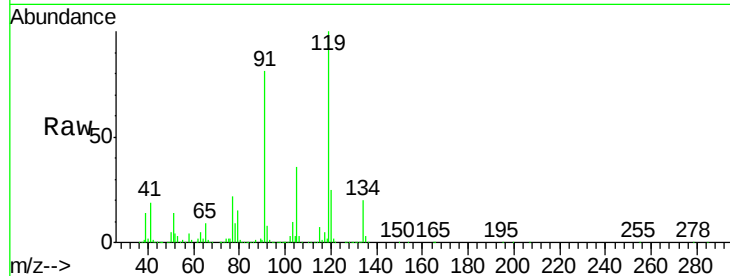
#65
tert-Butylbenzene
Concen: 8.531 ppbv
RT: 16.80 min Scan# 4357
Delta R.T. 0.00 min
Lab File: VL034965.D
Acq: 7 May 2020 13:05

Instrument :
MSVOA_L
ClientSampleId :
VL0507ABS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	83.6	67.5	101.3
134	19.8	16.1	24.1

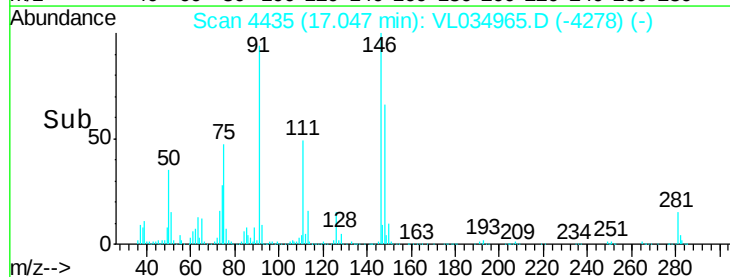
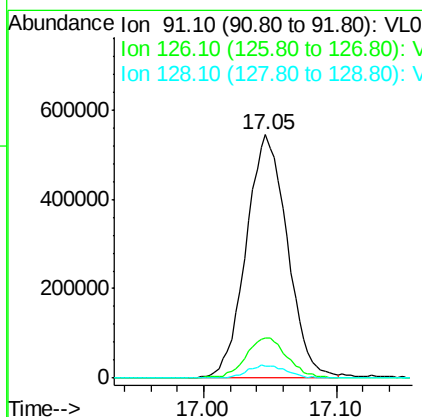
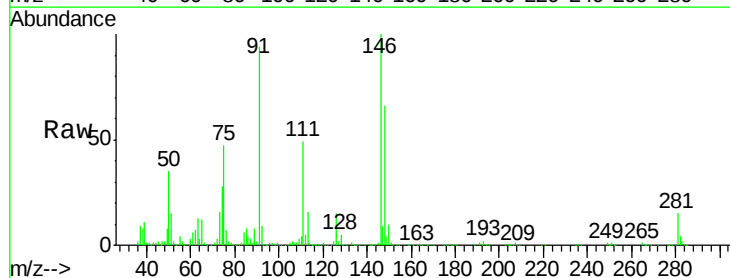
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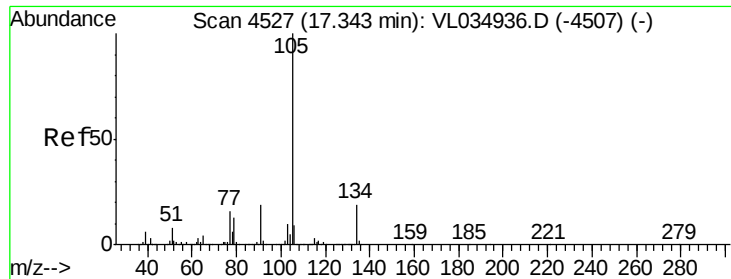
sam
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#66
Benzyl Chloride
Concen: 9.380 ppbv
RT: 17.05 min Scan# 4435
Delta R.T. 0.01 min
Lab File: VL034965.D
Acq: 7 May 2020 13:05

Tgt Ion	Ratio	Lower	Upper
91	100		
126	16.8	13.8	20.6
128	5.2	4.3	6.5





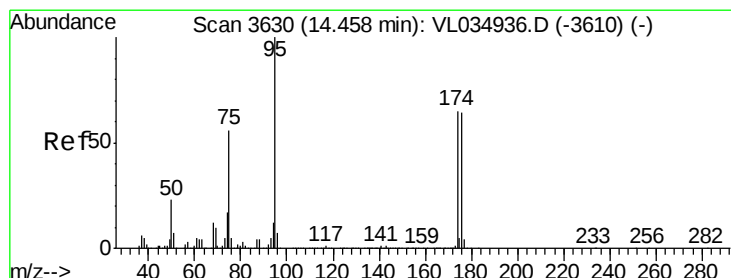
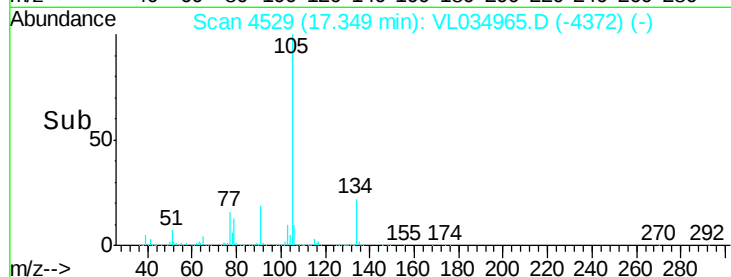
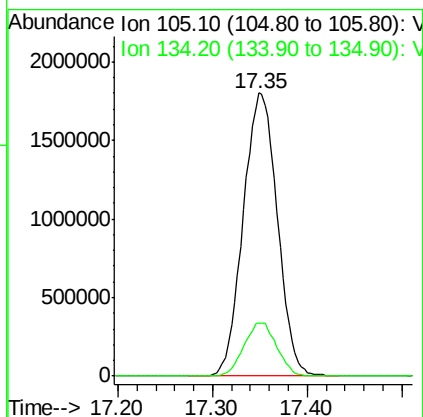
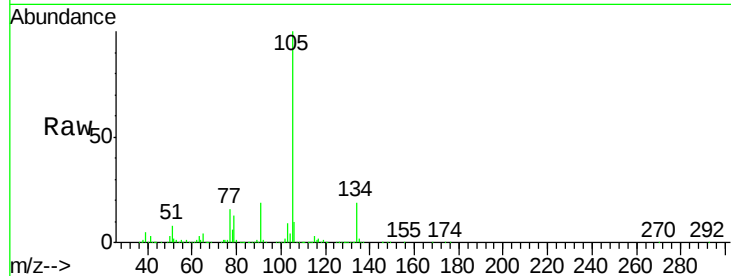
#67
 sec-Butylbenzene
 Concen: 8.611 ppbv
 RT: 17.35 min Scan# 4529
 Delta R.T. 0.01 min
 Lab File: VL034965.D
 Acq: 7 May 2020 13:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0507ABS01

Tot Ion: 105 Resp: 4519744
 Ion Ratio Lower Upper
 105 100
 134 18.2 14.8 22.2

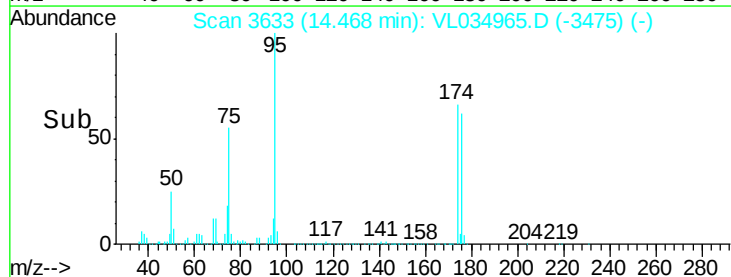
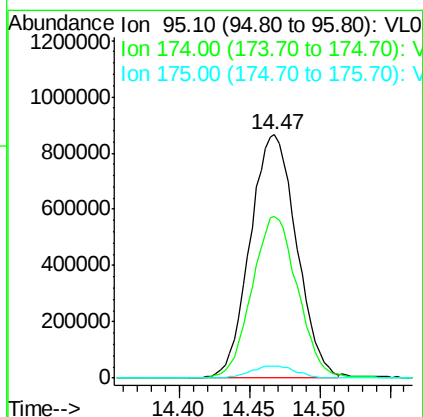
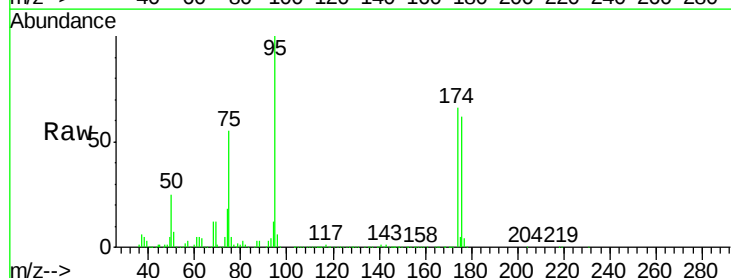
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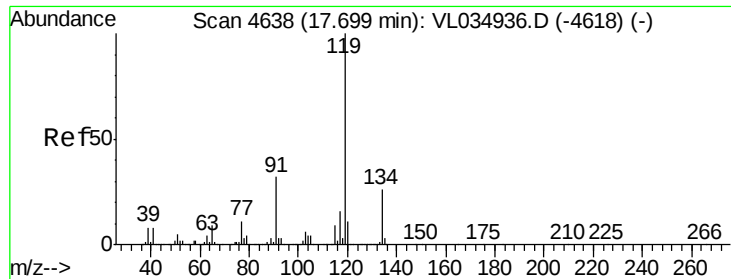
sam
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.295 ppbv
 RT: 14.47 min Scan# 3633
 Delta R.T. 0.01 min
 Lab File: VL034965.D
 Acq: 7 May 2020 13:05

Tgt Ion: 95 Resp: 1990065
 Ion Ratio Lower Upper
 95 100
 174 65.5 51.5 77.3
 175 4.9 3.8 5.8





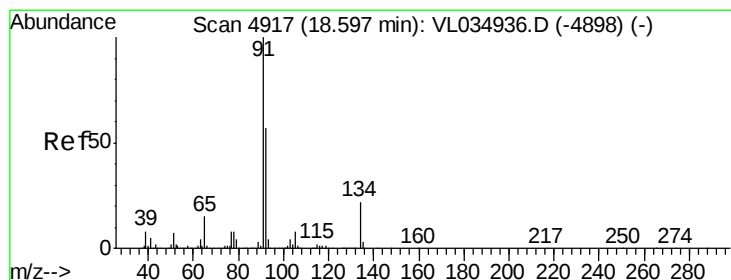
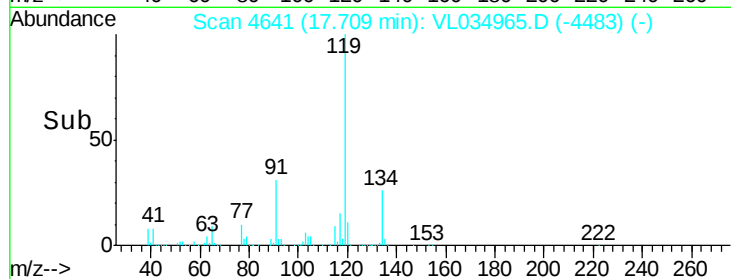
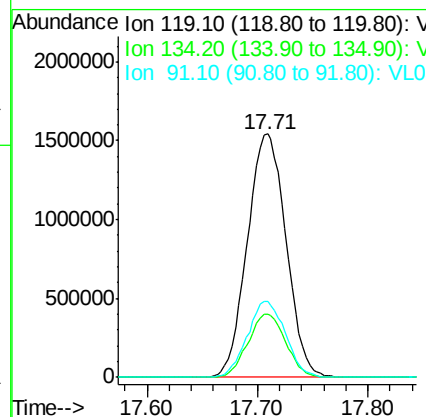
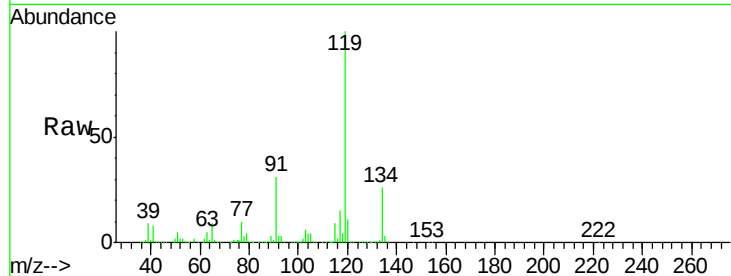
#69
 p-Isopropyltoluene
 Concen: 8.862 ppbv
 RT: 17.71 min Scan# 4641
 Delta R.T. 0.01 min
 Lab File: VL034965.D
 Acq: 7 May 2020 13:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0507ABS01

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.3	20.3	30.5
91	30.6	24.6	36.8

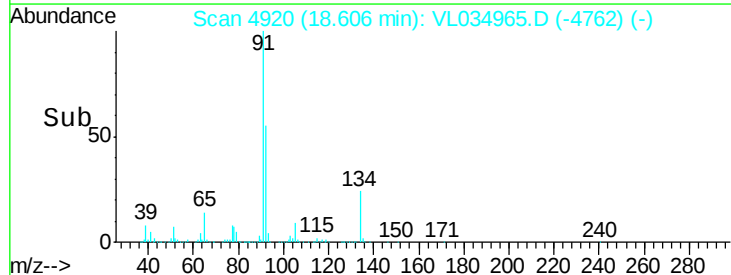
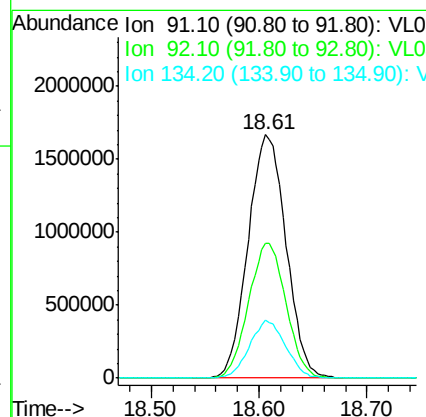
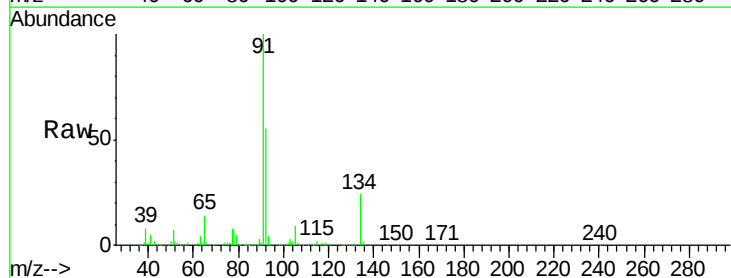
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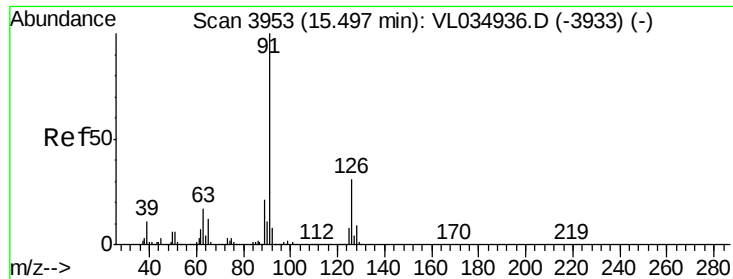
sam
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#70
 n-Butylbenzene
 Concen: 9.008 ppbv
 RT: 18.61 min Scan# 4920
 Delta R.T. 0.01 min
 Lab File: VL034965.D
 Acq: 7 May 2020 13:05

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.8	44.4	66.6
134	22.6	18.0	27.0





#71

2-Chlorotoluene

Concen: 8.780 ppbv

RT: 15.51 min Scan# 3956

Delta R.T. 0.01 min

Lab File: VL034965.D

Acq: 7 May 2020 13:05

Instrument :

MSVOA_L

ClientSampleId :

VL0507ABS01

Tot Ion: 91 Resp: 2809994

Ion Ratio Lower Upper

91 100

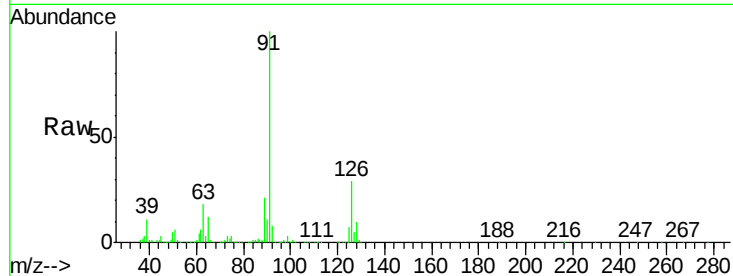
126 29.3 12.0 47.8

Manual Integrations

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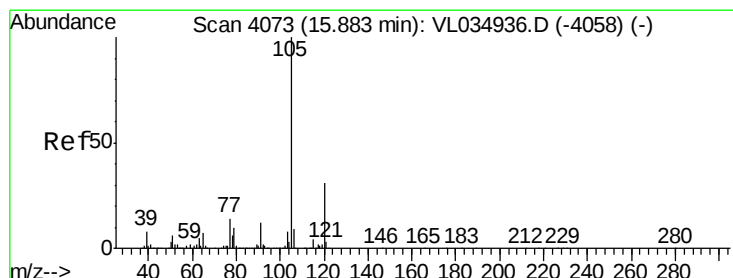
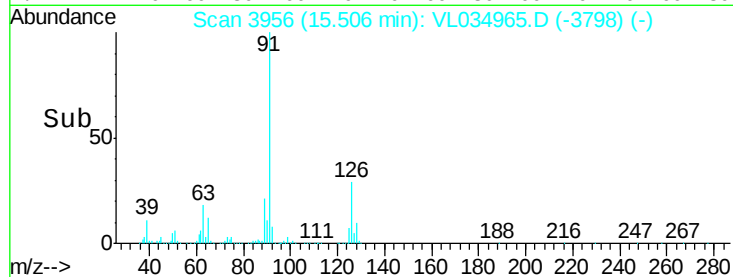
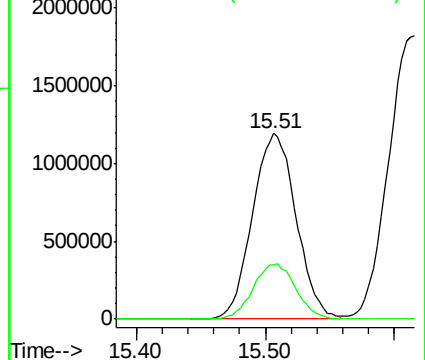
sam

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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 9.029 ppbv

RT: 15.89 min Scan# 4076

Delta R.T. 0.01 min

Lab File: VL034965.D

Acq: 7 May 2020 13:05

Tgt Ion: 105 Resp: 2860576

Ion Ratio Lower Upper

105 100

120 29.3 23.8 35.8

91 13.2 10.6 15.8

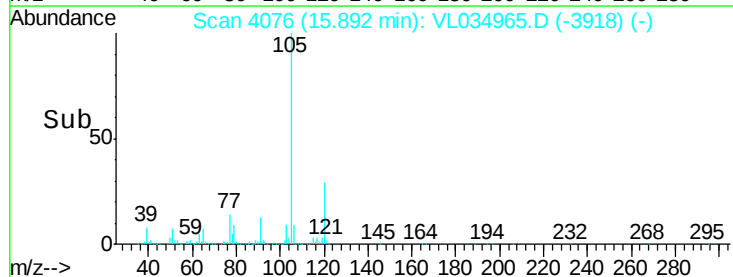
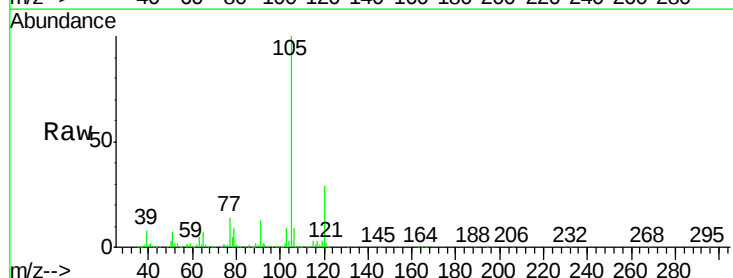
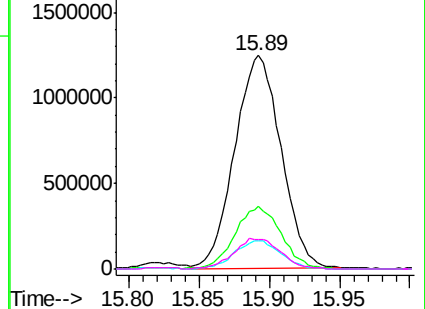
77 14.4 11.6 17.4

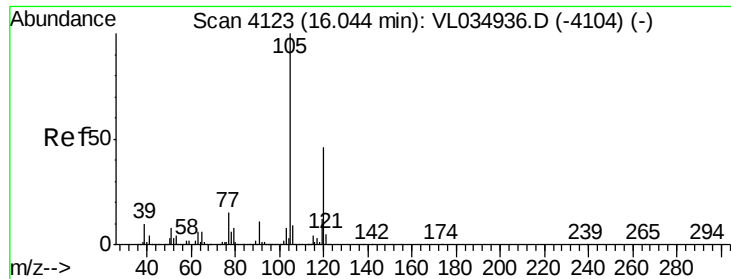
Abundance Ion 105.10 (104.80 to 105.80): V

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





#73

1,3,5-Trimethylbenzene

Concen: 8.747 ppbv

RT: 16.05 min Scan# 4125

Delta R.T. 0.01 min

Lab File: VL034965.D

Acq: 7 May 2020 13:05

Instrument :

MSVOA_L

ClientSampleId :

VL0507ABS01

Tot Ion:105 Resp: 2696906

Ion Ratio Lower Upper

105 100

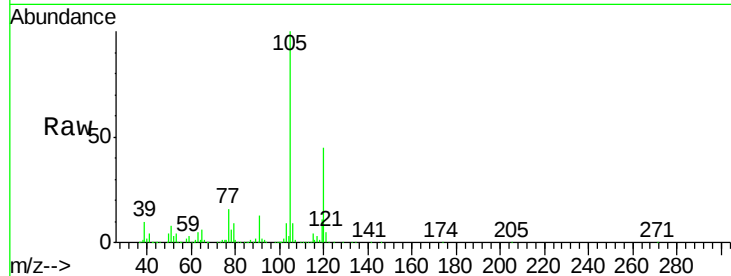
120 45.4 36.4 54.6

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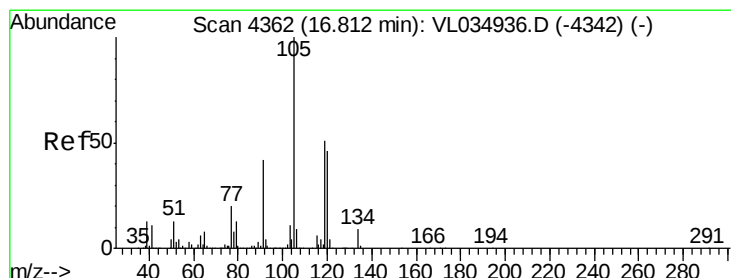
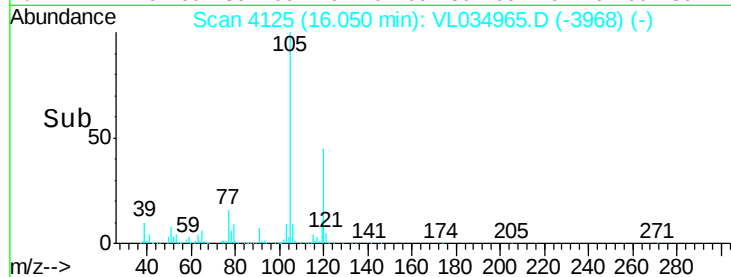
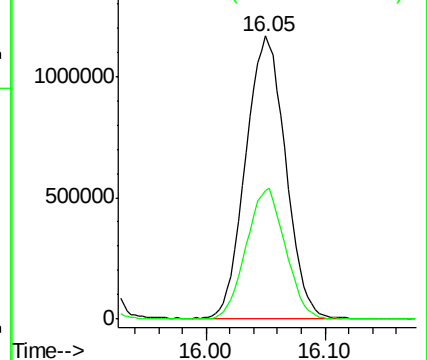
sam

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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: 8.390 ppbv

RT: 16.82 min Scan# 4364

Delta R.T. 0.01 min

Lab File: VL034965.D

Acq: 7 May 2020 13:05

Tgt Ion:105 Resp: 2823650

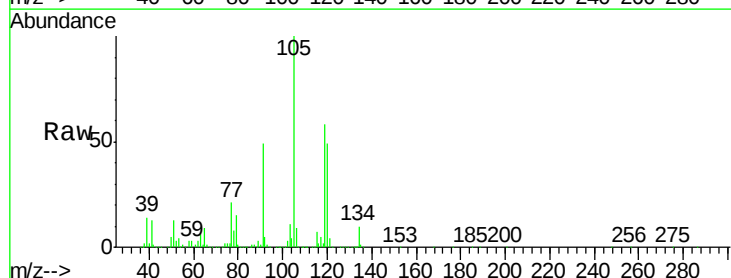
Ion Ratio Lower Upper

105 100

120 48.8 36.8 55.2

91 48.8 35.4 53.0

77 20.9 16.2 24.2

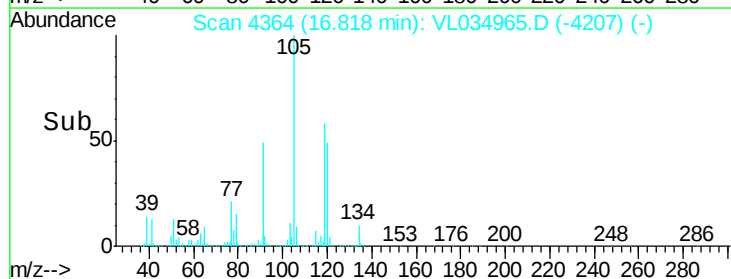
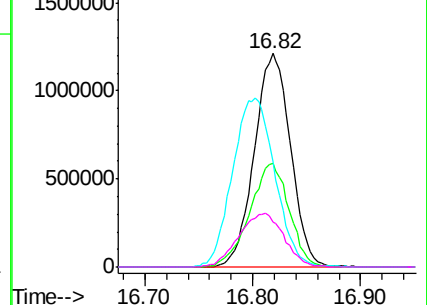


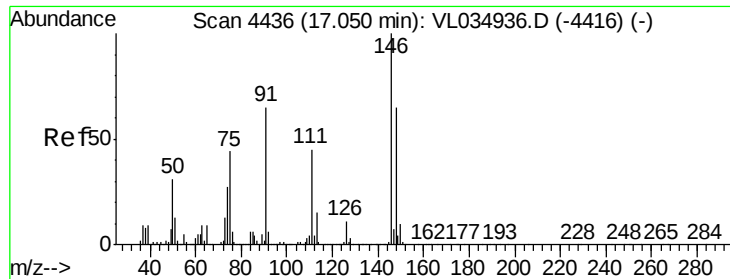
Abundance Ion 105.10 (104.80 to 105.80): V

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





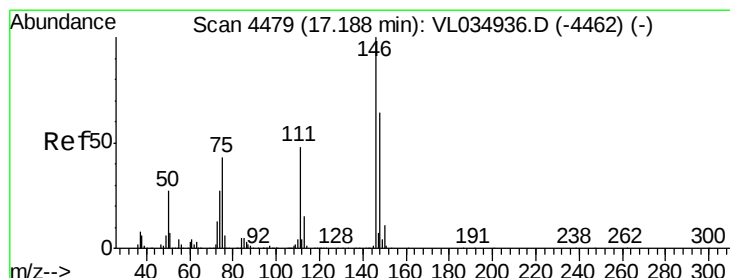
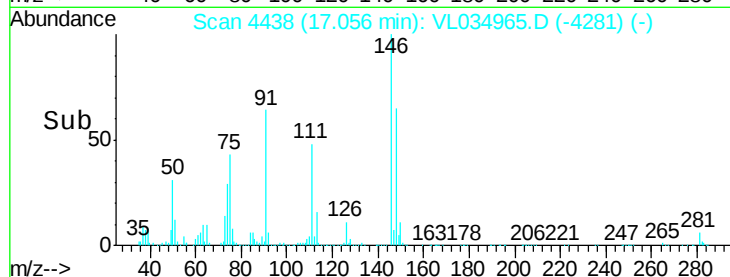
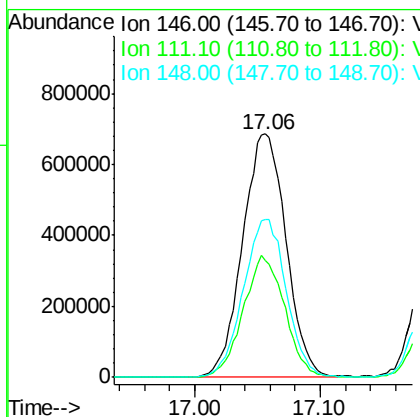
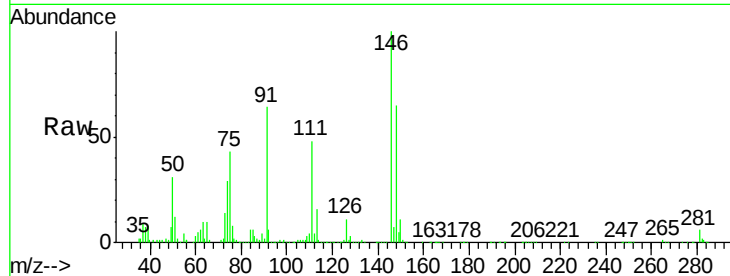
#75
 1,3-Dichlorobenzene
 Concen: 8.367 ppbv
 RT: 17.06 min Scan# 4438
 Delta R.T. 0.01 min
 Lab File: VL034965.D
 Acq: 7 May 2020 13:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0507ABS01

Tot Ion:146 Resp: 1653383
 Ion Ratio Lower Upper
 146 100
 111 47.9 24.0 72.0
 148 64.2 32.6 97.7

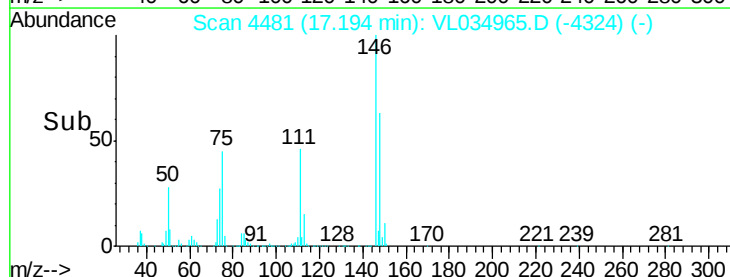
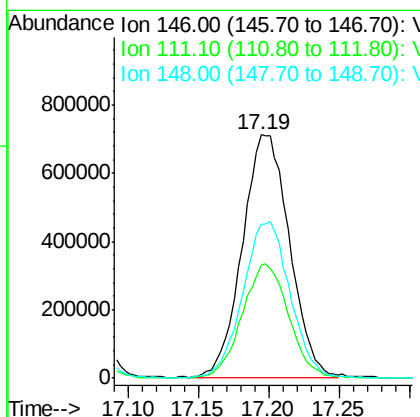
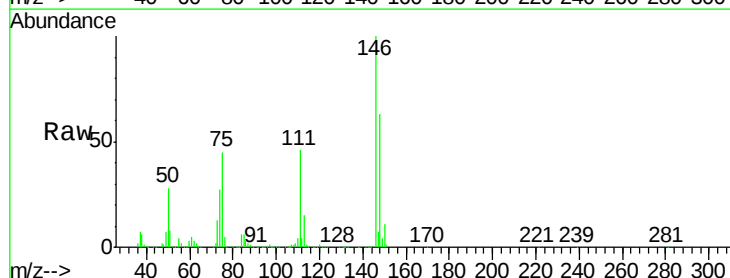
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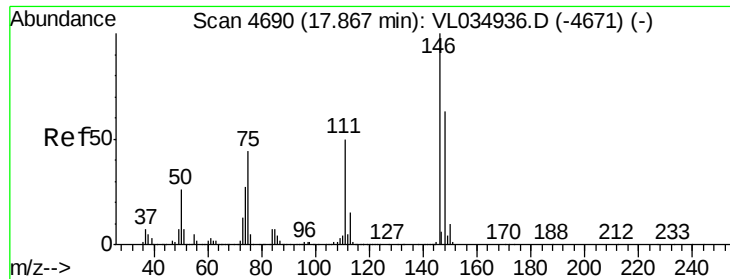
sam
 5/11/2020 12:03:27 PM



#76
 1,4-Dichlorobenzene
 Concen: 8.813 ppbv
 RT: 17.19 min Scan# 4481
 Delta R.T. 0.01 min
 Lab File: VL034965.D
 Acq: 7 May 2020 13:05

Tgt Ion:146 Resp: 1654832
 Ion Ratio Lower Upper
 146 100
 111 47.0 23.7 71.1
 148 65.1 32.6 97.8





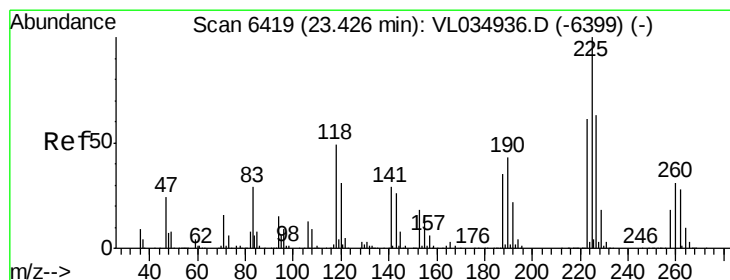
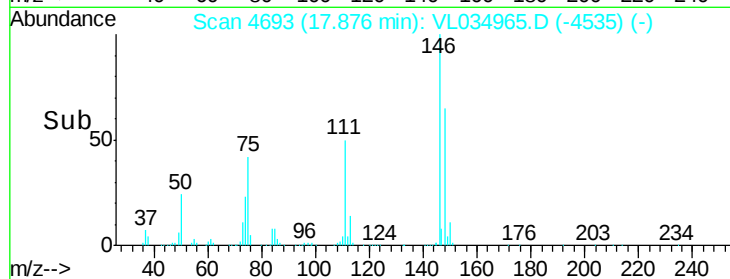
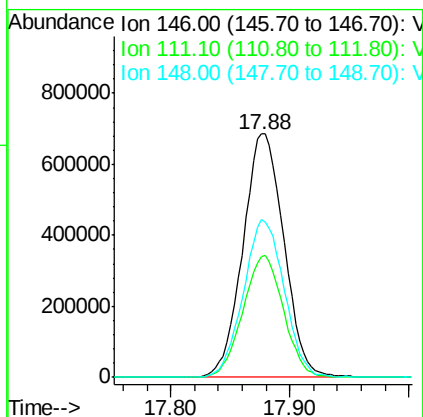
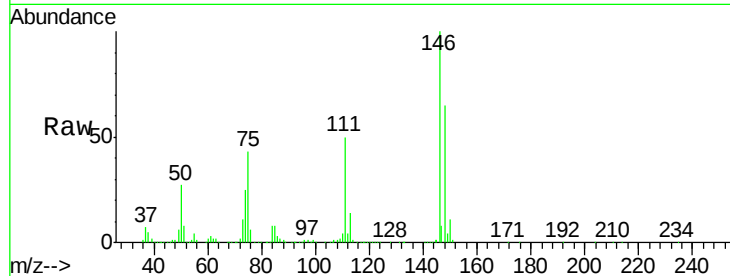
#77
 1,2-Dichlorobenzene
 Concen: 8.777 ppbv
 RT: 17.88 min Scan# 4693
 Delta R.T. 0.01 min
 Lab File: VL034965.D
 Acq: 7 May 2020 13:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0507ABS01

Tot Ion:146 Resp: 1634143
 Ion Ratio Lower Upper
 146 100
 111 49.5 24.5 73.5
 148 64.6 31.7 95.1

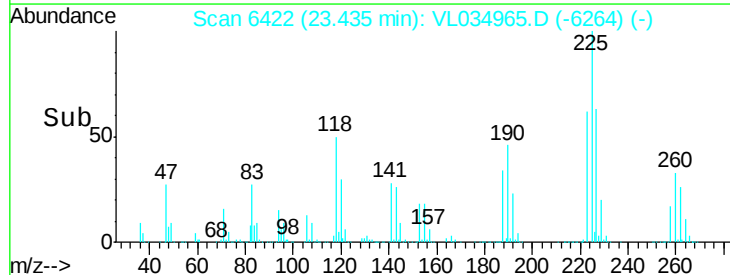
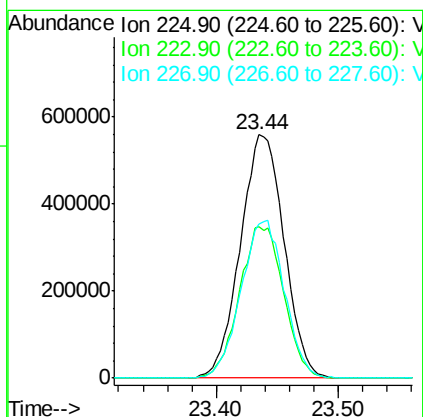
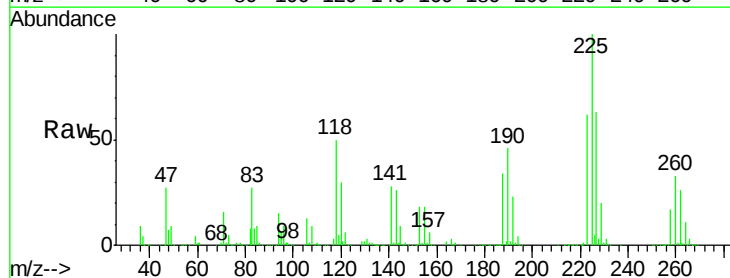
Manual Integrations
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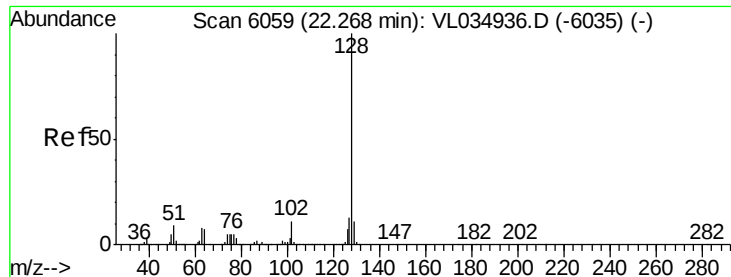
sam
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#78
 Hexachloro-1,3-Butadiene
 Concen: 8.739 ppbv
 RT: 23.44 min Scan# 6422
 Delta R.T. 0.01 min
 Lab File: VL034965.D
 Acq: 7 May 2020 13:05

Tgt Ion:225 Resp: 1386995
 Ion Ratio Lower Upper
 225 100
 223 63.0 49.8 74.8
 227 64.2 51.8 77.6





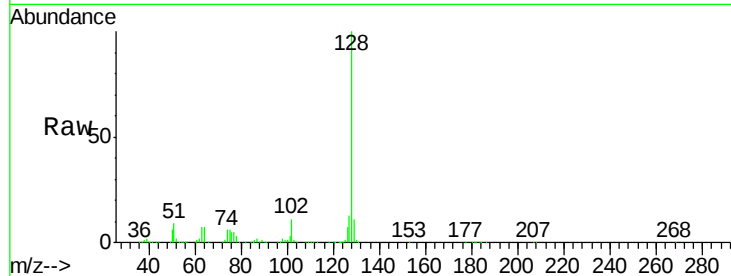
#79
Naphthalene
Concen: 12.699 ppbv
RT: 22.28 min Scan# 6063
Delta R.T. 0.01 min
Lab File: VL034965.D
Acq: 7 May 2020 13:05

Instrument :
MSVOA_L
ClientSampleId :
VL0507ABS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.5	15.7
129	10.6	9.0	13.4

Manual Integrations
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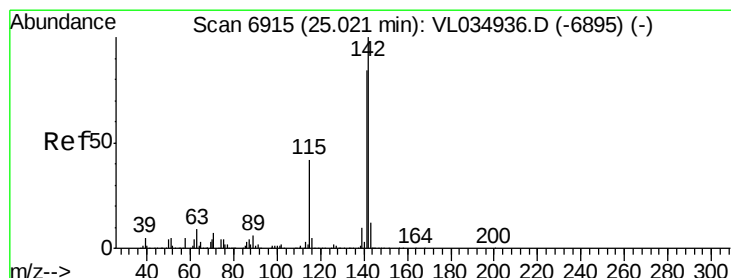
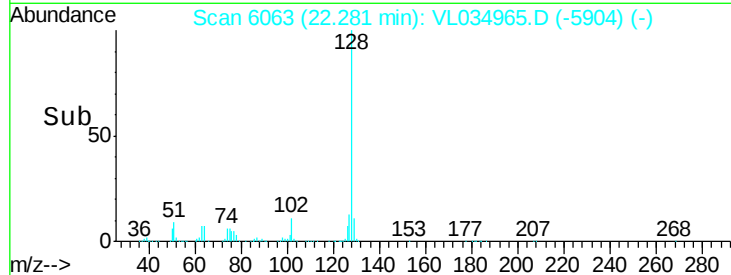
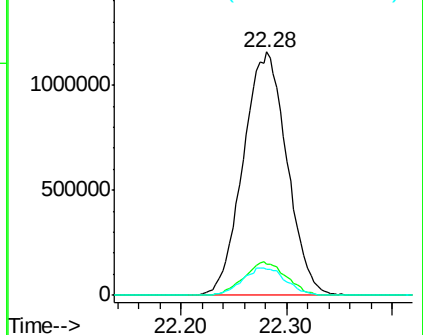


Abundance

Ion 128.10 (127.80 to 128.80): V

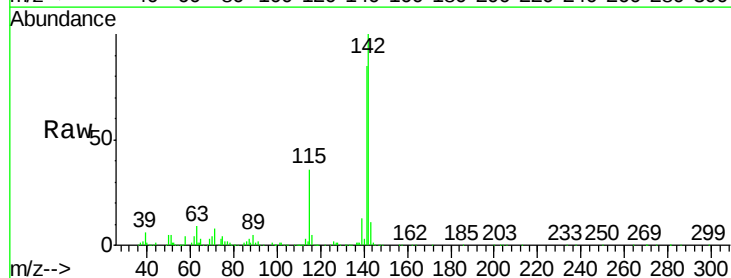
Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80
Naphthalene, 2-methyl-
Concen: 8.602 ppbv
RT: 25.02 min Scan# 6916
Delta R.T. 0.00 min
Lab File: VL034965.D
Acq: 7 May 2020 13:05

Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.4	68.6	102.8
115	37.8	33.9	50.9

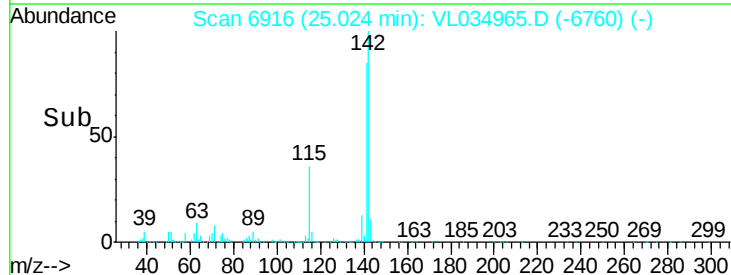
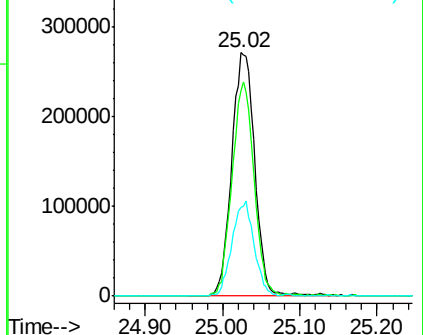


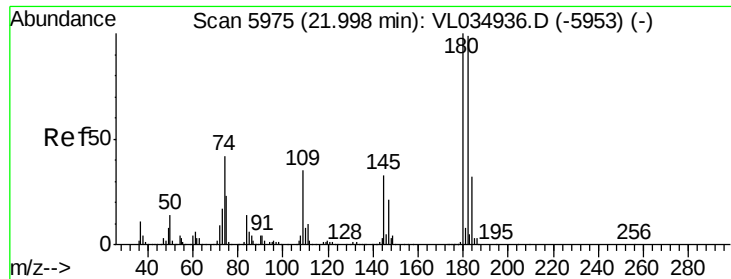
Abundance

Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 10.963 ppbv
 RT: 22.01 min Scan# 5979
 Delta R.T. 0.01 min
 Lab File: VL034965.D
 Acq: 7 May 2020 13:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0507ABS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	77.5	116.3
184	30.6	24.8	37.2

Manual Integrations
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