

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL070819\
 Data File : VL034010.D
 Acq On : 8 Jul 2019 13:19
 Operator : SY/AP
 Sample : VL0708ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0708ABS01

Manual Integrations
 APPROVED

MMDadoda
 7/10/2019 8:49:55 AM

Quant Time: Jul 09 04:10:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL070219AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Jul 09
 QLast Update : Tue Jul 02 19:31:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.73	49	1143973	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.26	114	2967458	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.21	117	3202686	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.54	95	2393432	8.76	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	87.60%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.06	85	1743113	7.384	ppbv 98
3) Chlorodifluoromethane	2.99	51	1341918	9.499	ppbv 100
4) Chloromethane	3.15	50	790813	9.736	ppbv 93
5) Vinyl Chloride	3.27	62	838518	9.180	ppbv 93
6) Bromomethane	3.49	94	541252	10.049	ppbv 92
7) Chloroethane	3.58	64	322948	9.893	ppbv 94
8) Dichlorotetrafluoroethane	3.20	85	2158381	9.377	ppbv 100
9) Propene	3.01	41	513645	9.884	ppbv 97
10) Heptane	8.21	43	1444374	11.100	ppbv 99
11) Trichlorofluoromethane	3.98	101	2268568	8.546	ppbv 98
12) 1,1,2-Trichlorotrifluoroet	4.53	101	1636529	8.710	ppbv 99
13) Ethanol	3.62	45	130994	8.114	ppbv 96
14) Bromoethene	3.76	108	705464	10.054	ppbv 98
15) Acetone	3.88	43	1545468	8.035	ppbv 98
16) 1,3-Butadiene	3.34	39	703748	10.362	ppbv 99
17) tert-Butyl alcohol	4.33	59	1359055	8.863	ppbv 99
18) 1,1-Dichloroethene	4.33	96	762433	9.111	ppbv 95
19) Isopropyl Alcohol	4.00	45	1061152	8.219	ppbv 99
20) Methylene Chloride	4.38	84	657393	7.837	ppbv 98
21) Allyl Chloride	4.45	41	1127434	9.401	ppbv 99
22) trans-1,2-Dichloroethene	4.93	96	758364	9.510	ppbv 89
23) Vinyl Acetate	5.12	43	2045774	10.657	ppbv 99
24) 1,1-Dichloroethane	5.06	63	1637127	9.622	ppbv 99
25) Ethyl Acetate	5.74	43	2764804	10.510	ppbv 99
26) Hexane	5.75	57	1284838	10.673	ppbv 96
27) Carbon Disulfide	4.59	76	1961600	9.585	ppbv 99
28) Methyl tert-Butyl Ether	5.08	73	2134288	10.469	ppbv 100
29) Chloroform	5.82	83	2182917	9.649	ppbv 99
30) Cyclohexane	7.21	84	1069777	11.507	ppbv 96
31) cis-1,2-Dichloroethene	5.61	61	1279058	10.997	ppbv 97
32) 1,1,1-Trichloroethane	6.59	97	2186449	9.535	ppbv 99
34) 2-Butanone	5.30	43	1589987	10.124	ppbv 100
35) Carbon Tetrachloride	7.10	117	2300011	9.791	ppbv 98
36) Benzene	6.97	78	2550166	10.983	ppbv 97
37) 1,2-Dichloroethane	6.38	62	1696912	9.920	ppbv 100
38) Trichloroethene	7.93	130	1107795	10.723	ppbv 98
39) 1,2-Dichloropropane	7.70	63	907399	10.509	ppbv 98
40) 1,4-Dioxane	7.92	88	378212	9.488	ppbv # 99
41) Tetrahydrofuran	6.11	42	895795	11.631	ppbv 100
42) Bromodichloromethane	7.88	83	2391442	10.419	ppbv 98
43) Methyl Methacrylate	8.10	69	1032026	11.714	ppbv 99

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Manual Integrations
 APPROVED

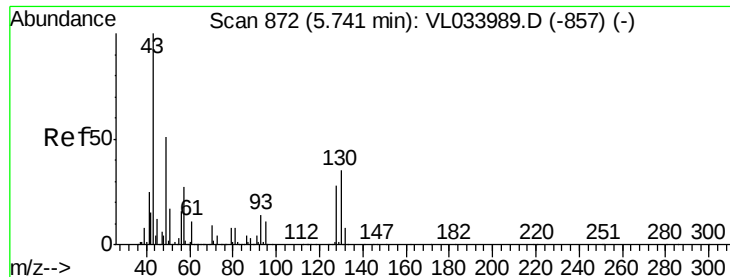
MMDadoda
 7/10/2019 8:49:55 AM

Quant Time: Jul 09 04:10:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL070219AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Jul 09
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 Response via : Initial Calibration

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

44) 2,2,4-Trimethylpentane	7.96	57	4240894	10.581	ppbv	100
45) t-1,3-Dichloropropene	9.38	75	1465968	12.725	ppbv	98
46) cis-1,3-Dichloropropene	8.80	75	1600271	11.994	ppbv	96
47) 1,1,2-Trichloroethane	9.58	97	1148508	10.580	ppbv	93
48) Dibromochloromethane	10.42	129	2092944	10.104	ppbv	100
49) Bromoform	13.16	173	1950336	11.021	ppbv	99
50) 4-Methyl-2-Pentanone	8.83	43	2520677	10.816	ppbv	100
51) 2-Hexanone	10.23	43	2089065	11.115	ppbv #	100
52) Tetrachloroethene	11.34	164	1073273	10.740	ppbv	97
53) Toluene	9.91	91	3192844	12.013	ppbv	98
54) 1,2-Dibromoethane	10.72	107	1754592	10.952	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.24	131	1403518	9.805	ppbv	99
57) Chlorobenzene	12.26	112	2513264	9.857	ppbv	98
58) Ethyl Benzene	12.83	91	4326573	11.234	ppbv	99
59) m/p-Xylene	13.12	91	7273787m	20.858	ppbv	
60) o-Xylene	13.81	91	3679086	10.546	ppbv	98
61) Styrene	13.65	104	2719316	11.778	ppbv	99
62) Isopropylbenzene	14.79	105	4886770	9.112	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.80	83	2513842	9.309	ppbv	99
64) n-propylbenzene	15.68	120	1261011	9.067	ppbv	97
65) tert-Butylbenzene	16.87	119	4406890	9.663	ppbv	99
66) Benzyl Chloride	17.12	91	2476180	10.612	ppbv	100
67) sec-Butylbenzene	17.42	105	6133150	9.581	ppbv	100
69) p-Isopropyltoluene	17.78	119	5106155	9.675	ppbv	99
70) n-Butylbenzene	18.68	91	5231136	9.435	ppbv	100
71) 2-Chlorotoluene	15.58	91	3654641	9.312	ppbv	100
72) 4-Ethyltoluene	15.97	105	4279475	9.552	ppbv	98
73) 1,3,5-Trimethylbenzene	16.12	105	4068787	9.761	ppbv	96
74) 1,2,4-Trimethylbenzene	16.89	105	4276032	9.262	ppbv	95
75) 1,3-Dichlorobenzene	17.13	146	2531067	8.630	ppbv	99
76) 1,4-Dichlorobenzene	17.27	146	2518071	9.116	ppbv	99
77) 1,2-Dichlorobenzene	17.95	146	2415159	8.893	ppbv	99
78) Hexachloro-1,3-Butadiene	23.51	225	2228302	9.643	ppbv	100
79) Naphthalene	22.36	128	3940966	10.153	ppbv	98
80) Naphthalene, 2-methyl-	25.08	142	2004611	14.192	ppbv	98
81) 1,2,4-Trichlorobenzene	22.09	180	2332301	9.356	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.73 min Scan# 869

Delta R.T. -0.01 min

Lab File: VL034010.D

Acq: 8 Jul 2019 13:19

Instrument :

MSVOA_L

ClientSampleId :

VL0708ABS01

Tot Ion: 49 Resp: 1143973

Ion Ratio Lower Upper

49 100

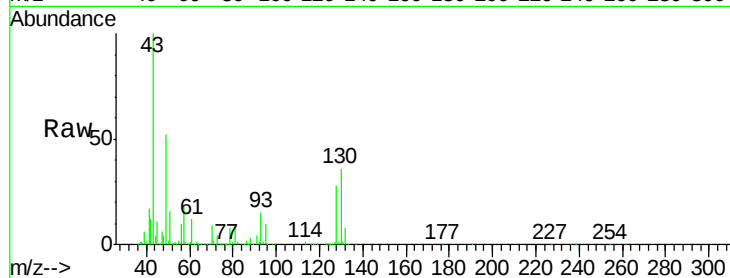
128 56.6 27.9 83.6

130 72.1 35.8 107.4

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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

5.73

800000

600000

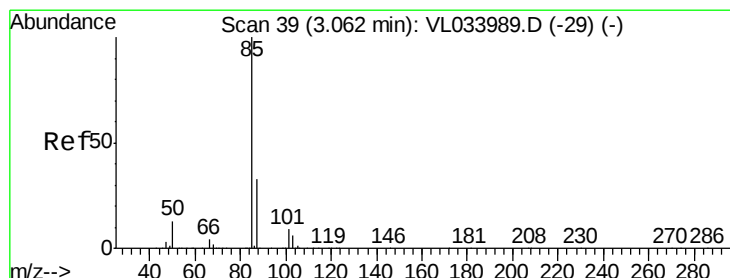
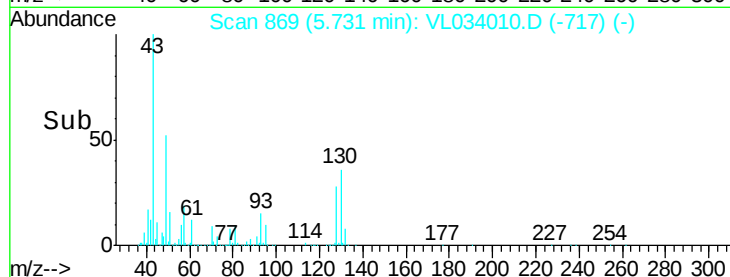
400000

200000

0

Time-->

5.65 5.70 5.75 5.80



#2

Dichlorodifluoromethane

Concen: 7.384 ppbv

RT: 3.06 min Scan# 37

Delta R.T. -0.01 min

Lab File: VL034010.D

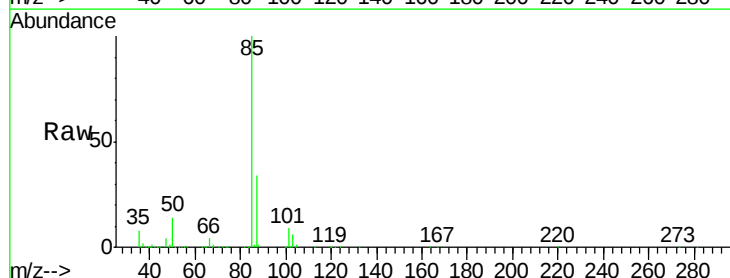
Acq: 8 Jul 2019 13:19

Tgt Ion: 85 Resp: 1743113

Ion Ratio Lower Upper

85 100

87 33.9 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

1500000

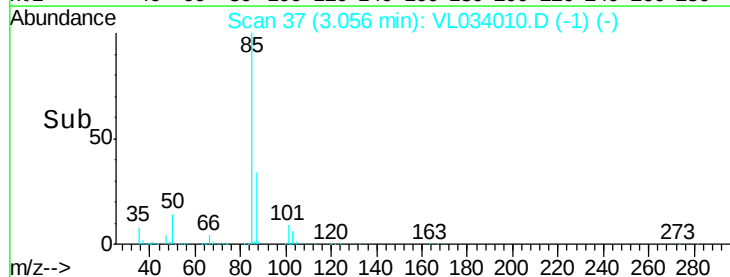
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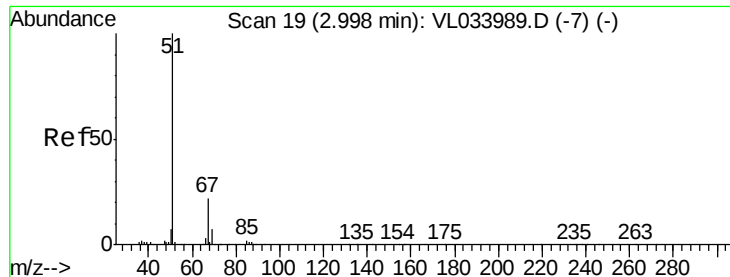
500000

0

Time-->

3.00 3.05 3.10





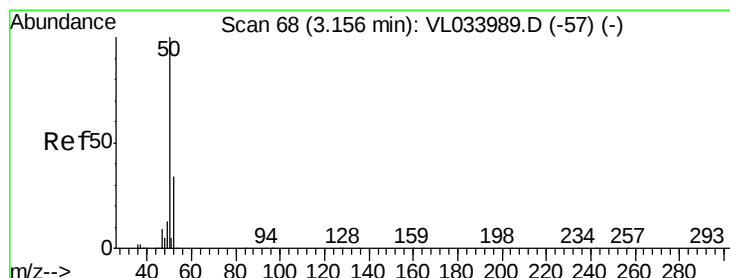
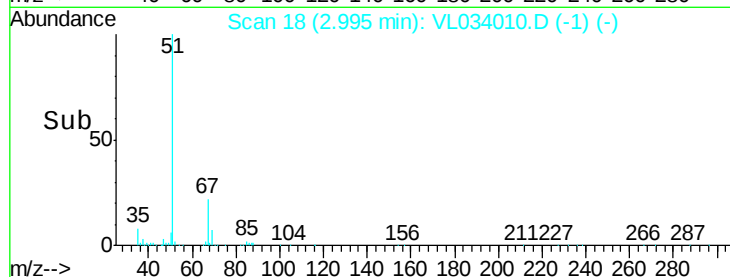
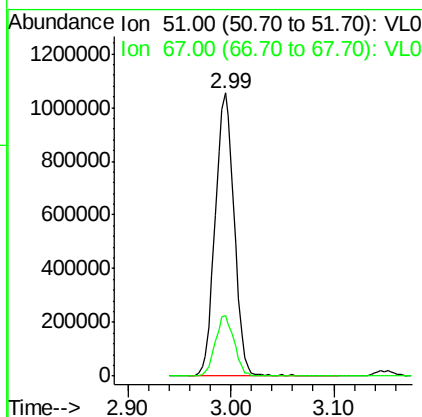
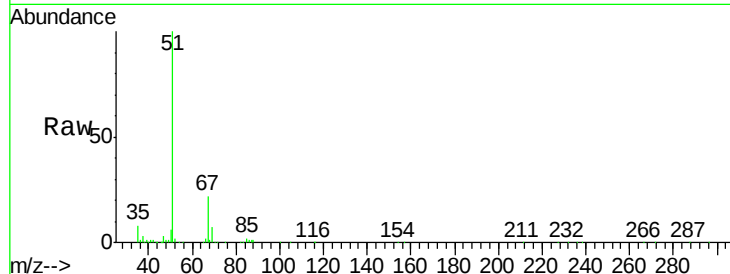
#3
Chlorodifluoromethane
Concen: 9.499 ppbv
RT: 2.99 min Scan# 18
Delta R.T. -0.00 min
Lab File: VL034010.D
Acq: 8 Jul 2019 13:19

Instrument :
MSVOA_L
ClientSampleId :
VL0708ABS01

Tot Ion: 51 Resp: 1341918
Ion Ratio Lower Upper
51 100
67 21.6 17.3 25.9

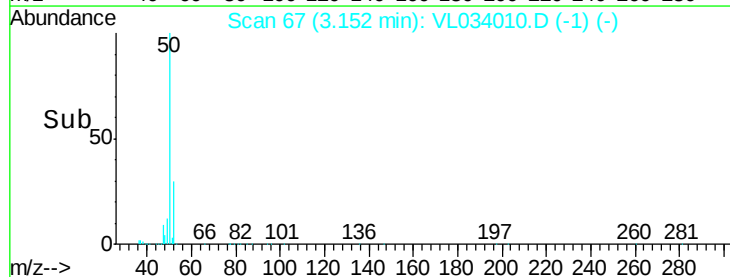
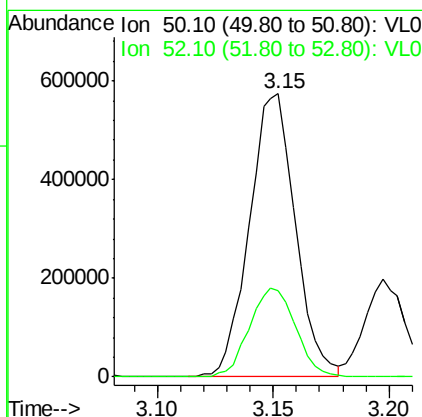
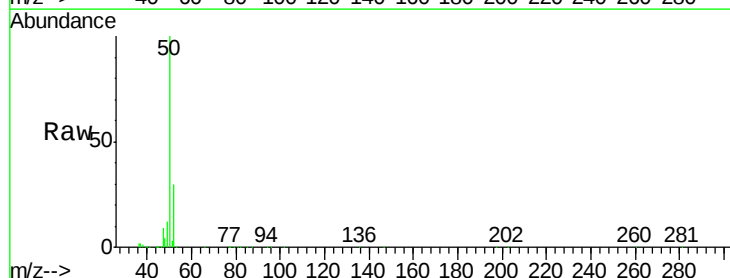
Manual Integrations
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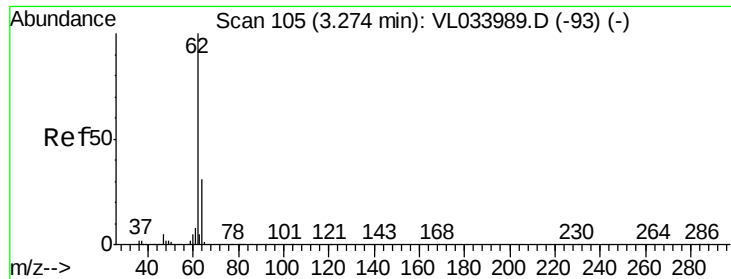
MMDadoda
7/10/2019 8:49:55 AM



#4
Chloromethane
Concen: 9.736 ppbv
RT: 3.15 min Scan# 67
Delta R.T. -0.00 min
Lab File: VL034010.D
Acq: 8 Jul 2019 13:19

Tgt Ion: 50 Resp: 790813
Ion Ratio Lower Upper
50 100
52 30.4 27.4 41.0





#5

Vinyl Chloride

Concen: 9.180 ppbv

RT: 3.27 min Scan# 103

Delta R.T. -0.01 min

Lab File: VL034010.D

Acq: 8 Jul 2019 13:19

Instrument :

MSVOA_L

ClientSampleId :

VL0708ABS01

Tot Ion: 62 Resp: 838518

Ion Ratio Lower Upper

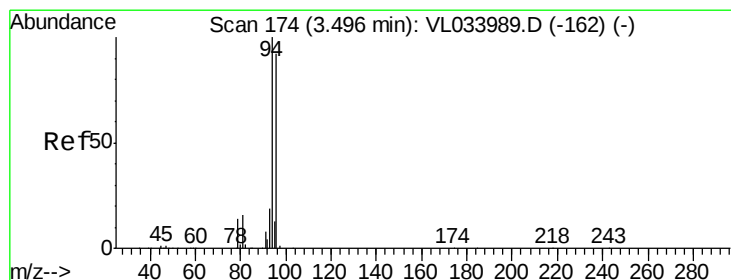
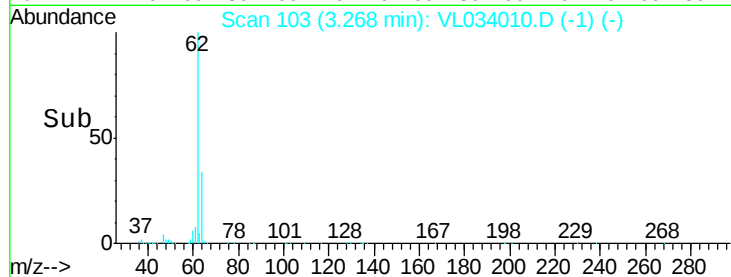
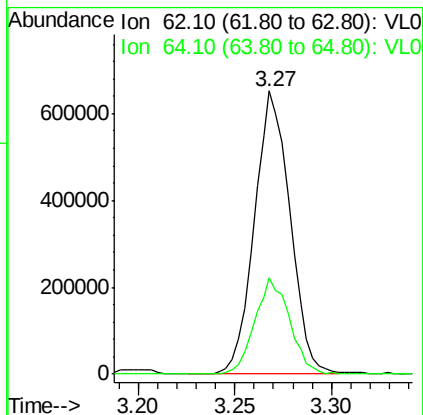
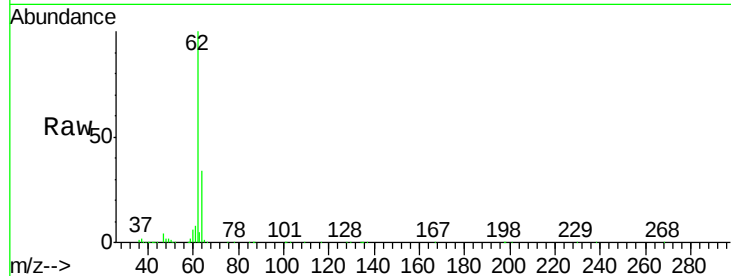
62 100

64 34.1 24.4 36.6

Manual Integrations
APPROVED

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#6

Bromomethane

Concen: 10.049 ppbv

RT: 3.49 min Scan# 173

Delta R.T. -0.00 min

Lab File: VL034010.D

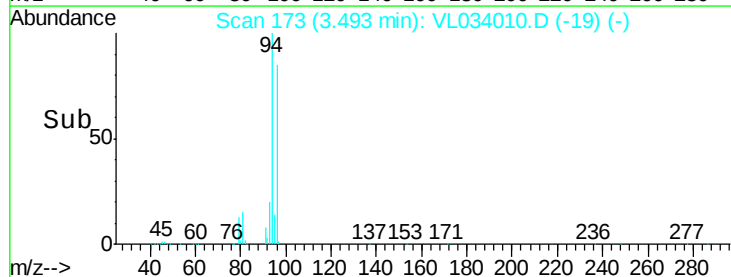
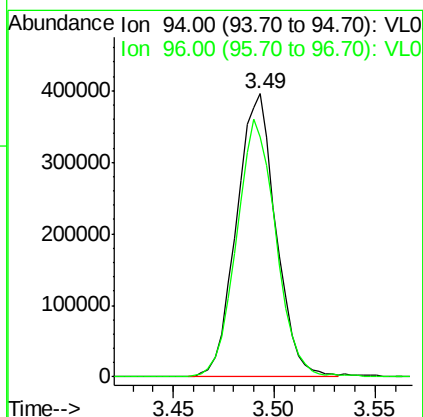
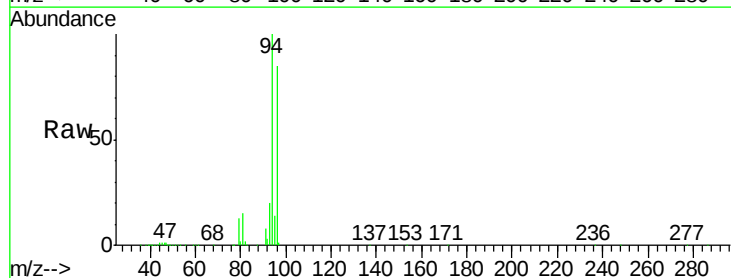
Acq: 8 Jul 2019 13:19

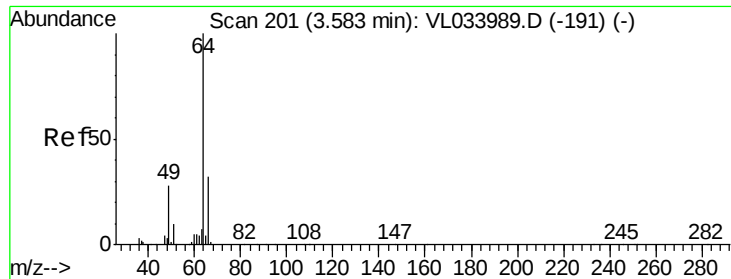
Tgt Ion: 94 Resp: 541252

Ion Ratio Lower Upper

94 100

96 84.6 73.8 110.8





#7

Chloroethane

Concen: 9.893 ppbv

RT: 3.58 min Scan# 199

Delta R.T. -0.01 min

Lab File: VL034010.D

Acq: 8 Jul 2019 13:19

Instrument :

MSVOA_L

ClientSampleId :

VL0708ABS01

Tot Ion: 64 Resp: 322948

Ion Ratio Lower Upper

64 100

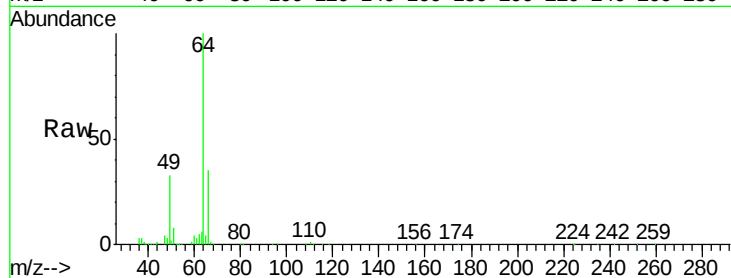
66 34.9 25.3 37.9

Manual Integrations

APPROVED

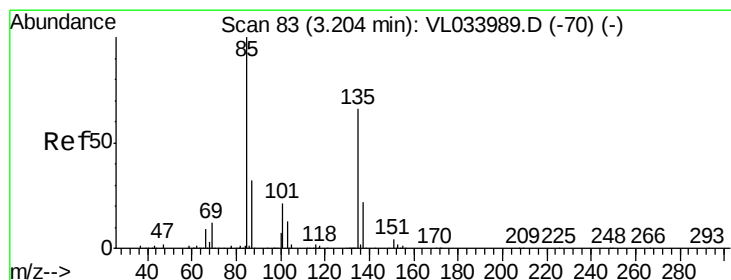
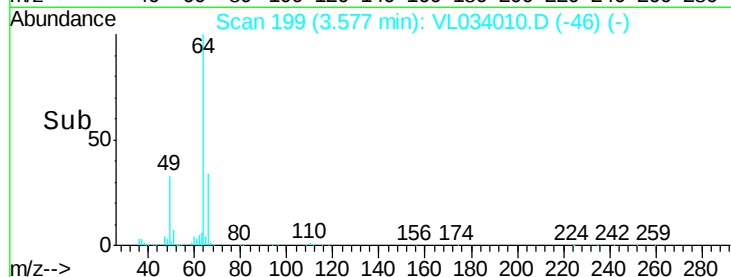
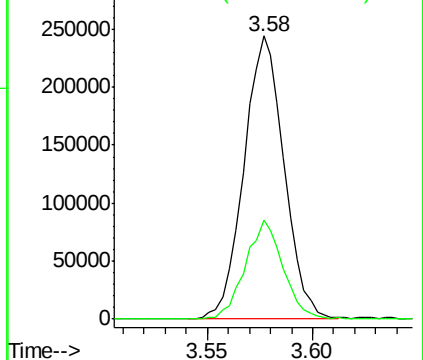
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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 9.377 ppbv

RT: 3.20 min Scan# 81

Delta R.T. -0.01 min

Lab File: VL034010.D

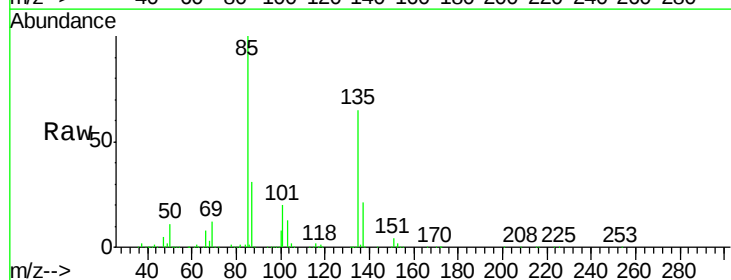
Acq: 8 Jul 2019 13:19

Tgt Ion: 85 Resp: 2158381

Ion Ratio Lower Upper

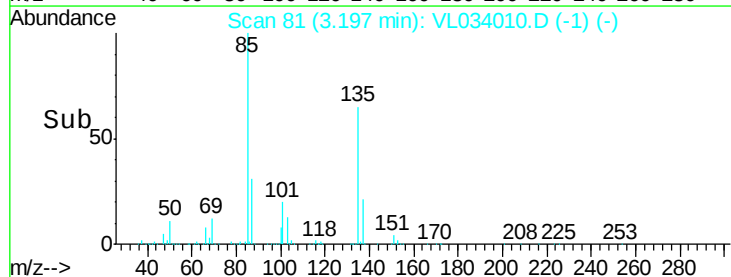
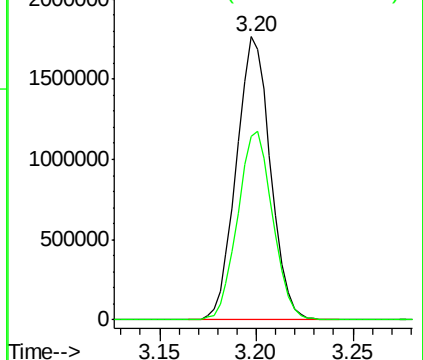
85 100

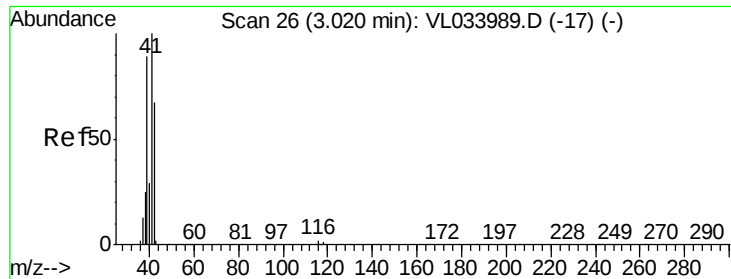
135 68.7 55.0 82.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 9.884 ppbv

RT: 3.01 min Scan# 24

Delta R.T. -0.01 min

Lab File: VL034010.D

Acq: 8 Jul 2019 13:19

Instrument :

MSVOA_L

ClientSampleId :

VL0708ABS01

Tot Ion: 41 Resp: 513645

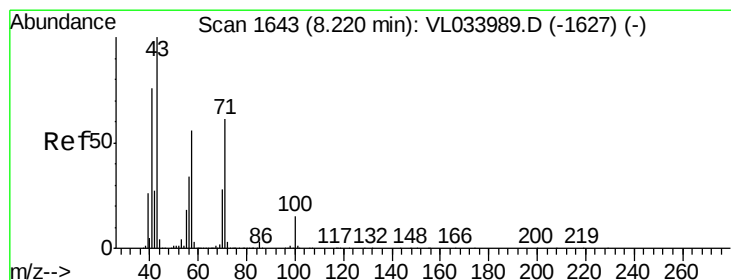
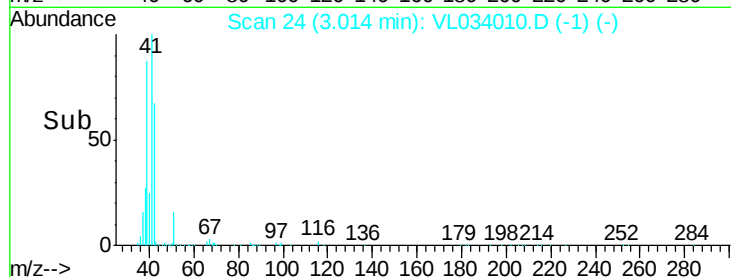
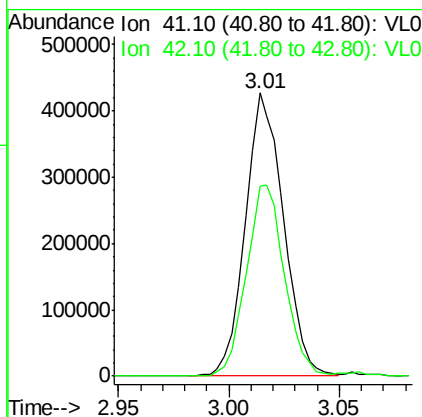
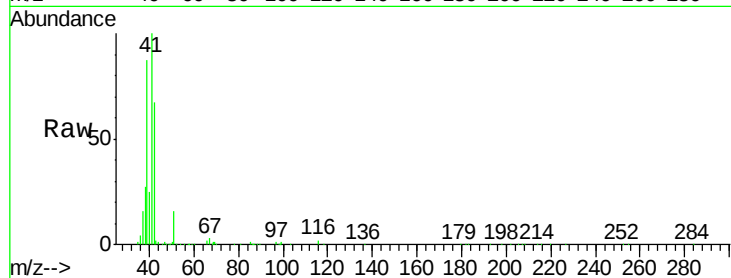
Ion Ratio Lower Upper

41 100

42 68.6 57.1 85.7

Manual Integrations
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#10

Heptane

Concen: 11.100 ppbv

RT: 8.21 min Scan# 1640

Delta R.T. -0.01 min

Lab File: VL034010.D

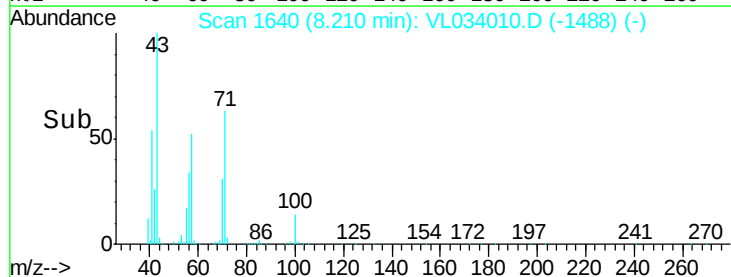
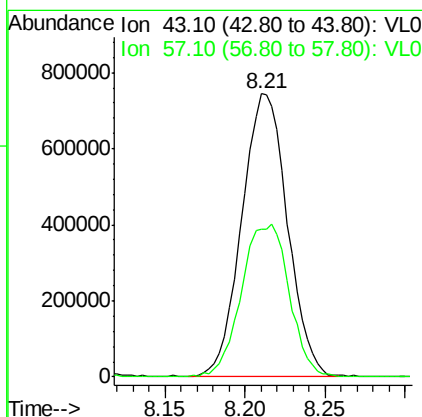
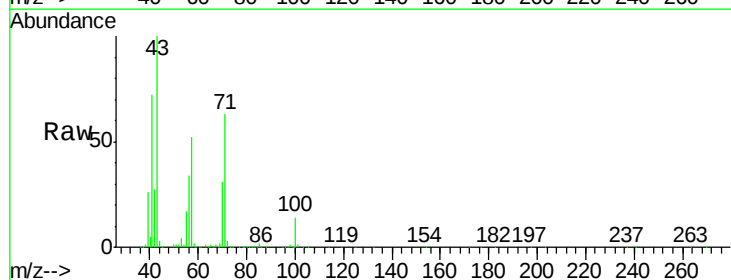
Acq: 8 Jul 2019 13:19

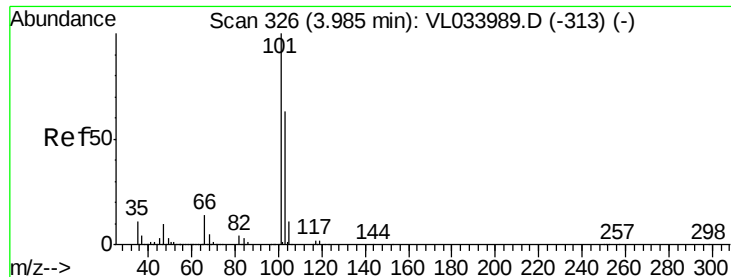
Tgt Ion: 43 Resp: 1444374

Ion Ratio Lower Upper

43 100

57 56.7 44.6 66.8





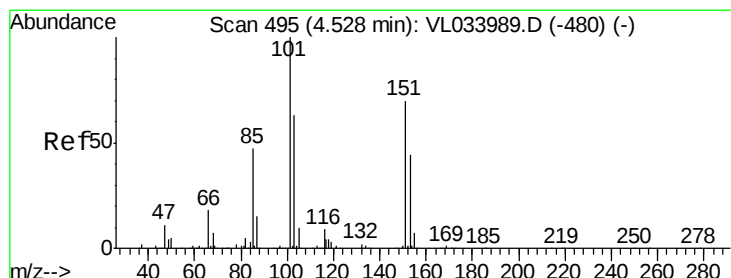
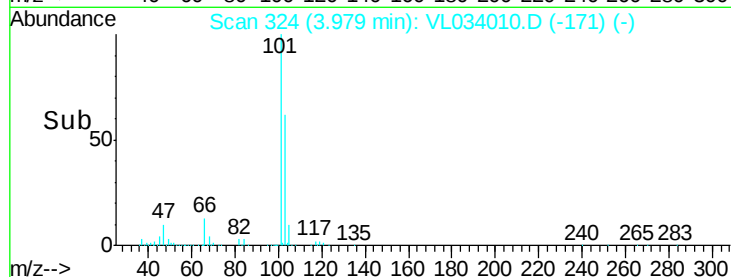
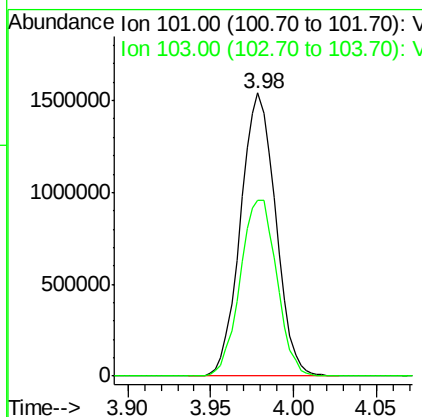
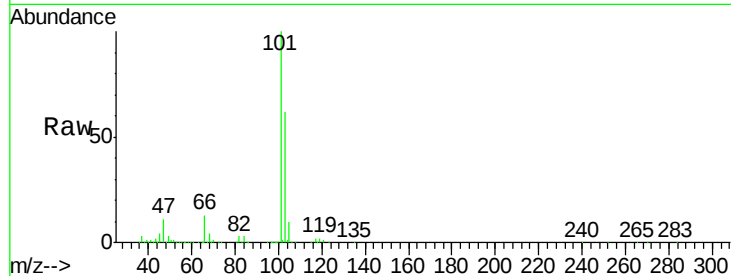
#11
 Trichlorofluoromethane
 Concen: 8.546 ppbv
 RT: 3.98 min Scan# 324
 Delta R.T. -0.01 min
 Lab File: VL034010.D
 Acq: 8 Jul 2019 13:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0708ABS01

Tot Ion:101 Resp: 2268568
 Ion Ratio Lower Upper
 101 100
 103 62.2 50.8 76.2

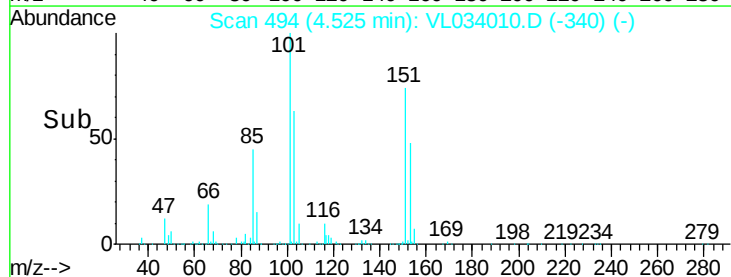
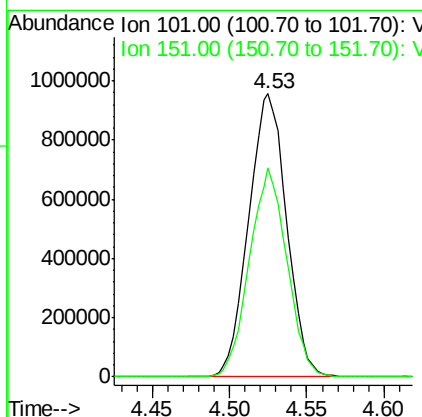
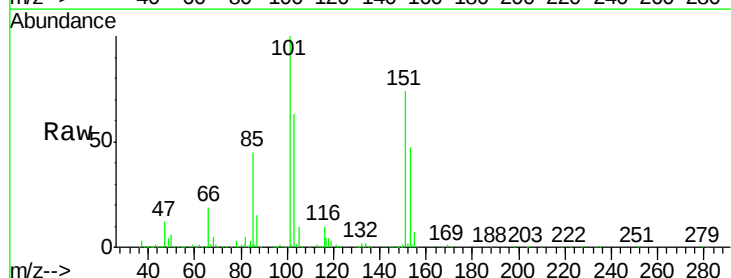
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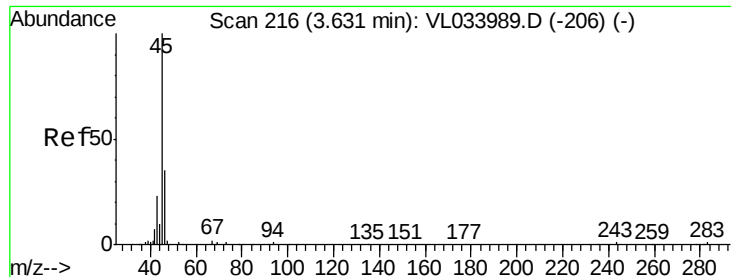
MMDadoda
 7/10/2019 8:49:55 AM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.710 ppbv
 RT: 4.53 min Scan# 494
 Delta R.T. -0.00 min
 Lab File: VL034010.D
 Acq: 8 Jul 2019 13:19

Tgt Ion:101 Resp: 1636529
 Ion Ratio Lower Upper
 101 100
 151 72.7 59.0 88.4





#13

Ethanol

Concen: 8.114 ppbv

RT: 3.62 min Scan# 214

Delta R.T. -0.01 min

Lab File: VL034010.D

Acq: 8 Jul 2019 13:19

Instrument :

MSVOA_L

ClientSampleId :

VL0708ABS01

Tot Ion: 45 Resp: 130994

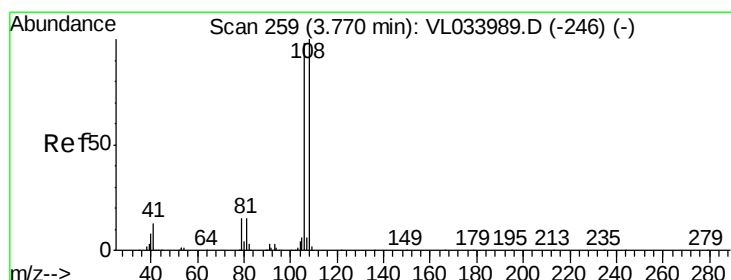
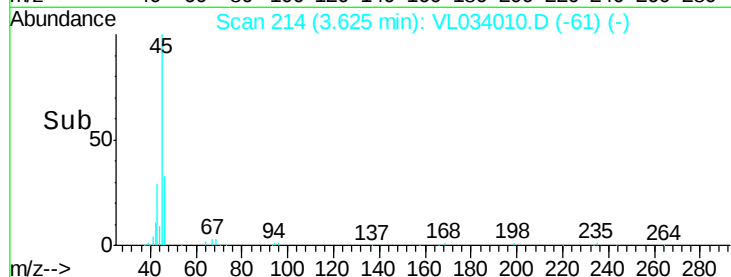
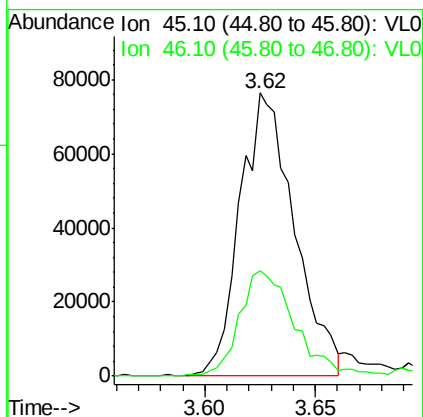
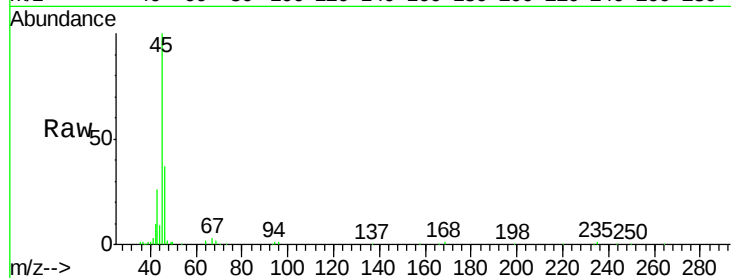
Ion Ratio Lower Upper

45 100

46 37.7 16.2 64.6

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#14

Bromoethene

Concen: 10.054 ppbv

RT: 3.76 min Scan# 257

Delta R.T. -0.01 min

Lab File: VL034010.D

Acq: 8 Jul 2019 13:19

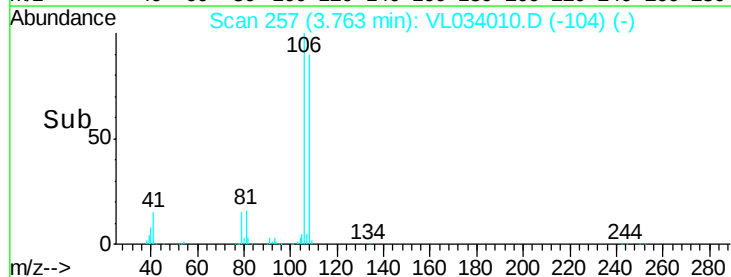
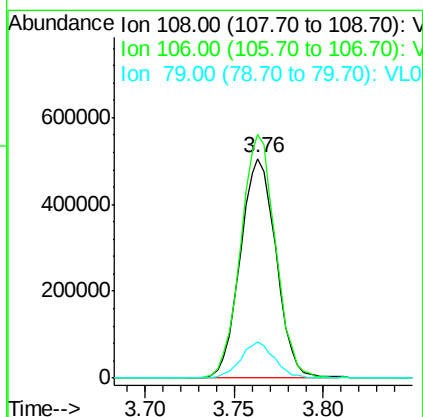
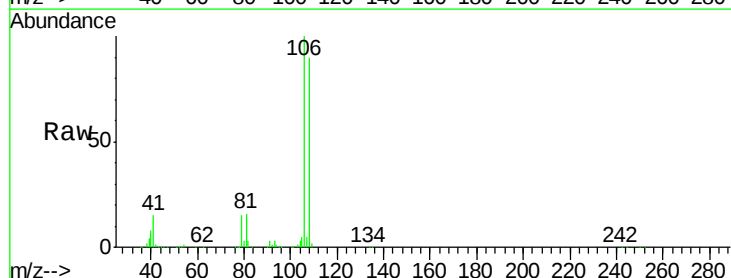
Tgt Ion: 108 Resp: 705464

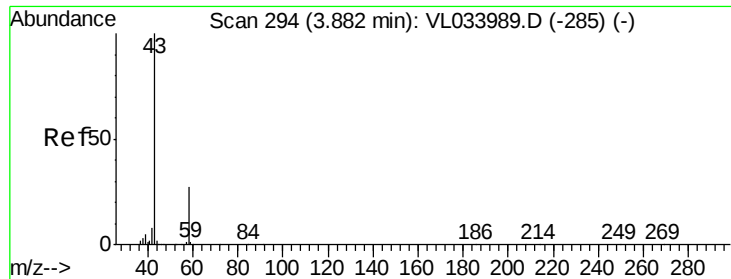
Ion Ratio Lower Upper

108 100

106 108.3 85.6 128.4

79 16.0 14.0 21.0





#15

Acetone

Concen: 8.035 ppbv

RT: 3.88 min Scan# 292

Delta R.T. -0.01 min

Lab File: VL034010.D

Acq: 8 Jul 2019 13:19

Instrument :

MSVOA_L

ClientSampleId :

VL0708ABS01

Tot Ion: 43 Resp: 1545468

Ion Ratio Lower Upper

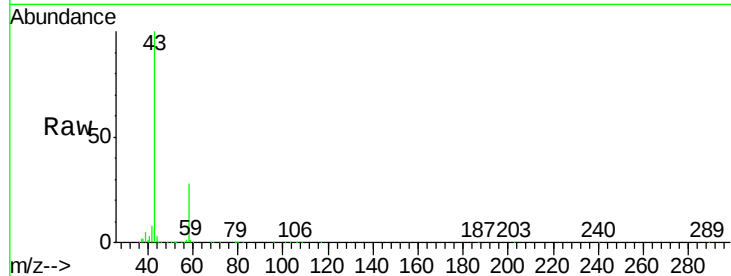
43 100

58 27.8 21.4 32.0

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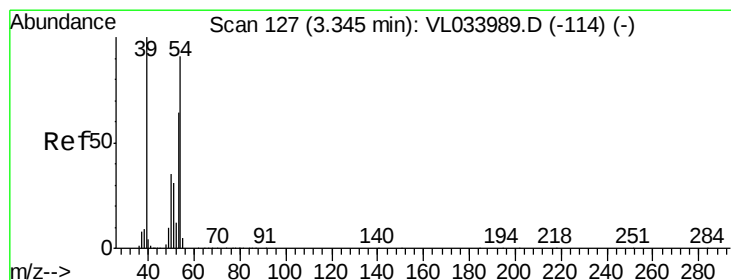
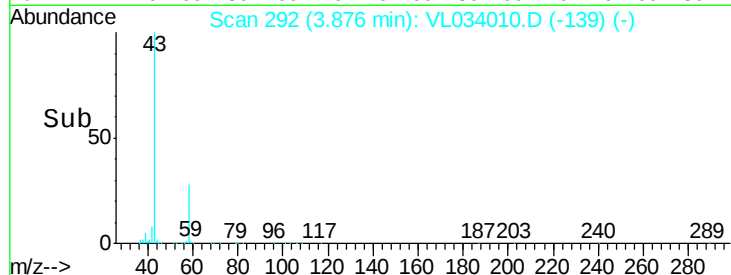
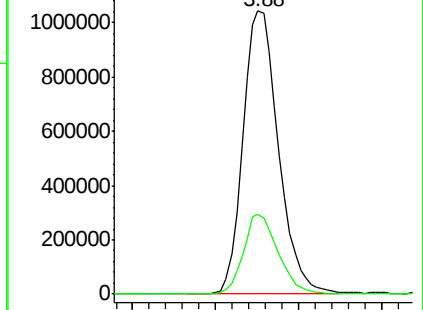
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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 10.362 ppbv

RT: 3.34 min Scan# 126

Delta R.T. -0.00 min

Lab File: VL034010.D

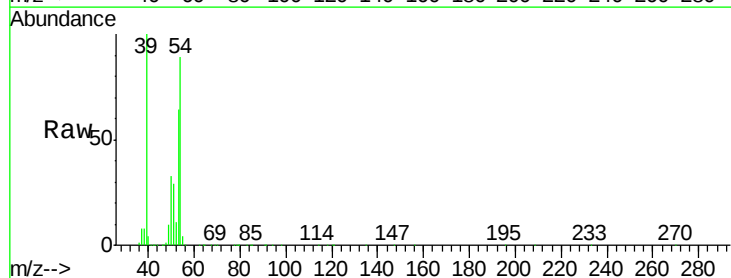
Acq: 8 Jul 2019 13:19

Tgt Ion: 39 Resp: 703748

Ion Ratio Lower Upper

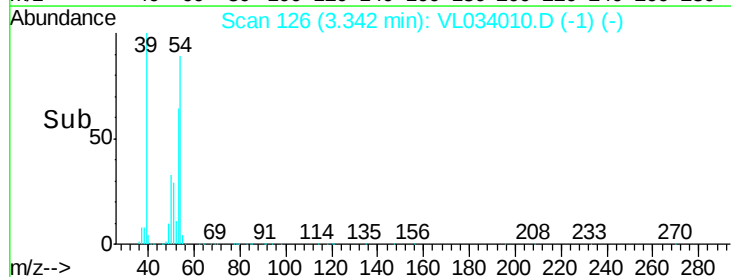
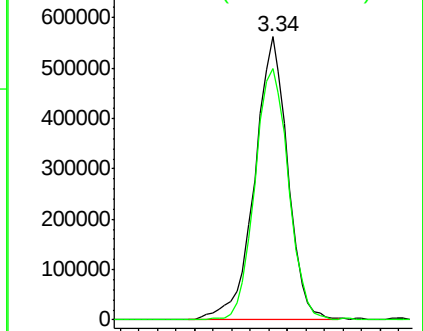
39 100

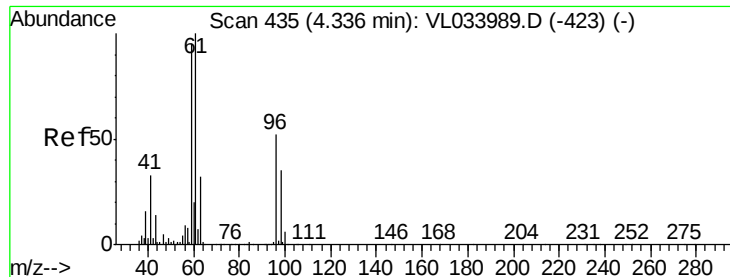
54 90.7 71.4 107.2



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

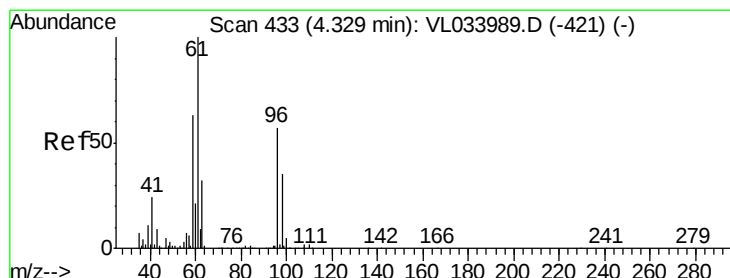
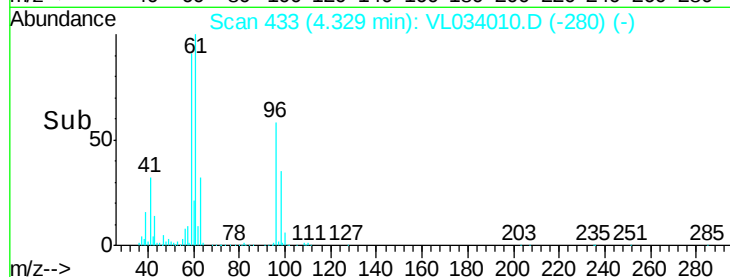
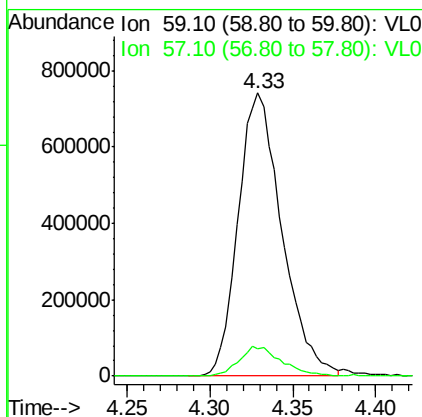
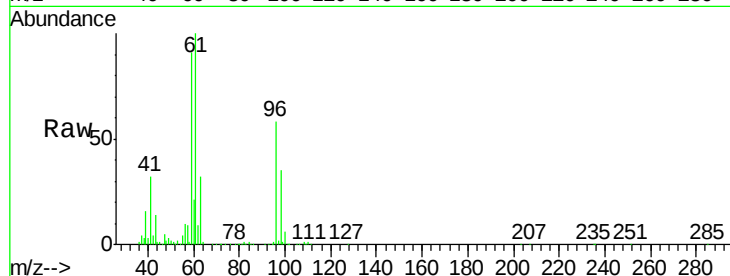
tert-Butyl alcohol
Concen: 8.863 ppbv
RT: 4.33 min Scan# 433
Delta R.T. -0.01 min
Lab File: VL034010.D
Acq: 8 Jul 2019 13:19

Instrument :
MSVOA_L
ClientSampleId :
VL0708ABS01

Tot Ion: 59 Resp: 1359055
Ion Ratio Lower Upper
59 100
57 10.4 8.2 12.2

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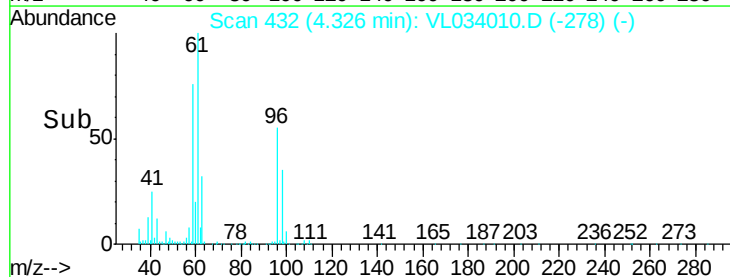
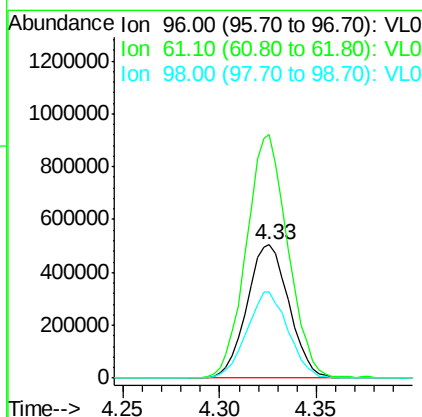
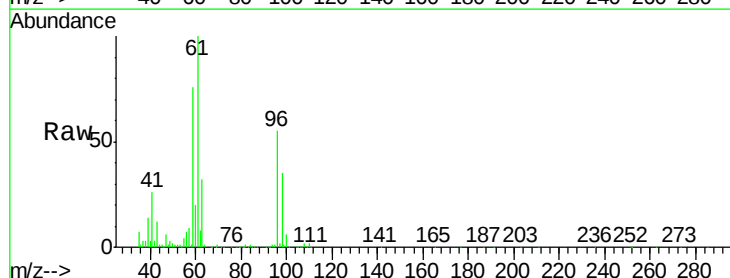
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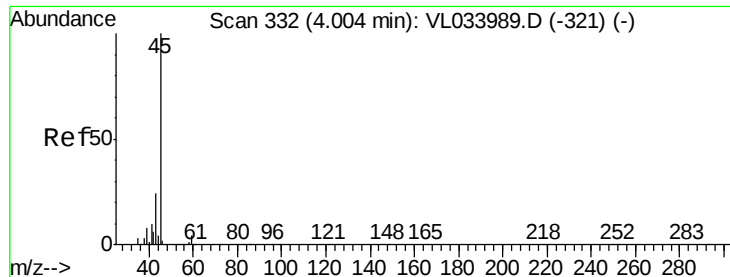


#18

1,1-Dichloroethene
Concen: 9.111 ppbv
RT: 4.33 min Scan# 432
Delta R.T. -0.00 min
Lab File: VL034010.D
Acq: 8 Jul 2019 13:19

Tgt Ion: 96 Resp: 762433
Ion Ratio Lower Upper
96 100
61 182.7 139.4 209.0
98 64.4 49.4 74.0





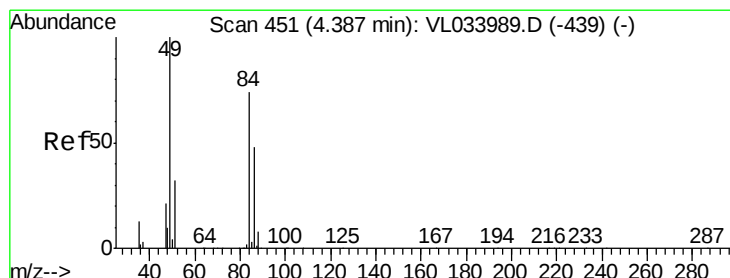
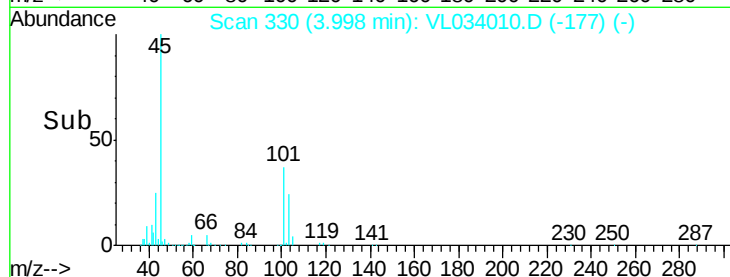
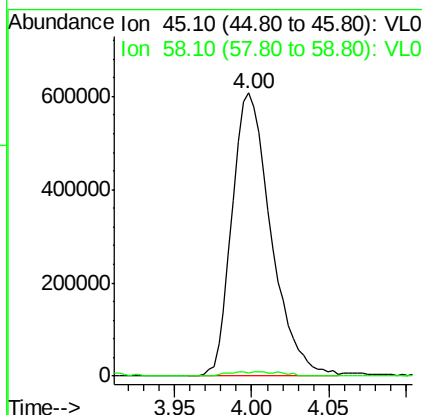
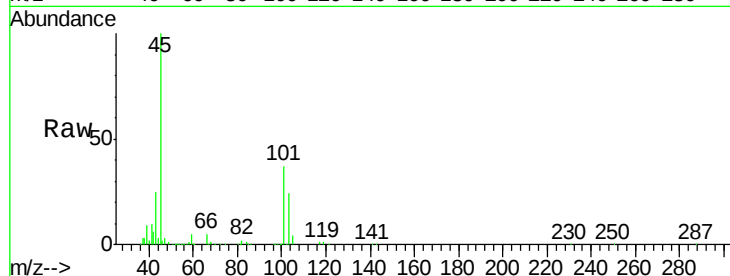
#19
Isopropyl Alcohol
Concen: 8.219 ppbv
RT: 4.00 min Scan# 330
Delta R.T. -0.01 min
Lab File: VL034010.D
Acq: 8 Jul 2019 13:19

Instrument :
MSVOA_L
ClientSampleId :
VL0708ABS01

Tot Ion: 45 Resp: 1061152
Ion Ratio Lower Upper
45 100
58 2.3 1.7 2.5

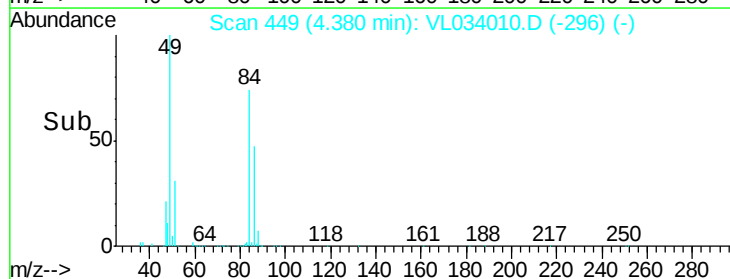
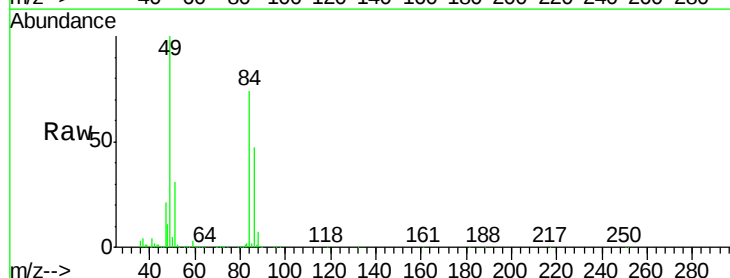
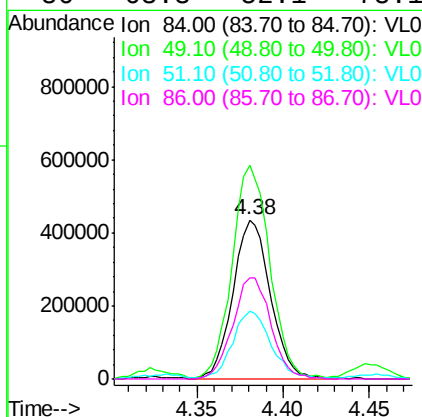
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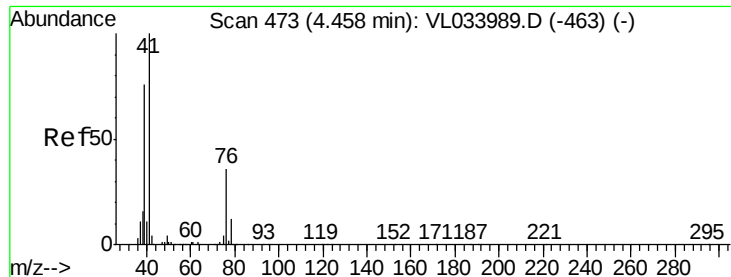
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#20
Methylene Chloride
Concen: 7.837 ppbv
RT: 4.38 min Scan# 449
Delta R.T. -0.01 min
Lab File: VL034010.D
Acq: 8 Jul 2019 13:19

Tgt Ion: 84 Resp: 657393
Ion Ratio Lower Upper
84 100
49 133.6 107.6 161.4
51 41.4 35.0 52.6
86 63.3 52.1 78.1





#21

Allvl Chloride

Concen: 9.401 ppbv

RT: 4.45 min Scan# 471

Delta R.T. -0.01 min

Lab File: VL034010.D

Acq: 8 Jul 2019 13:19

Instrument :

MSVOA_L

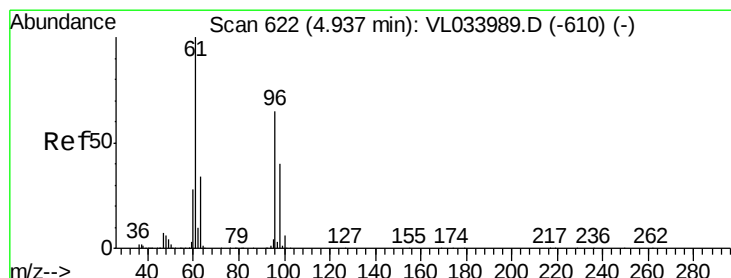
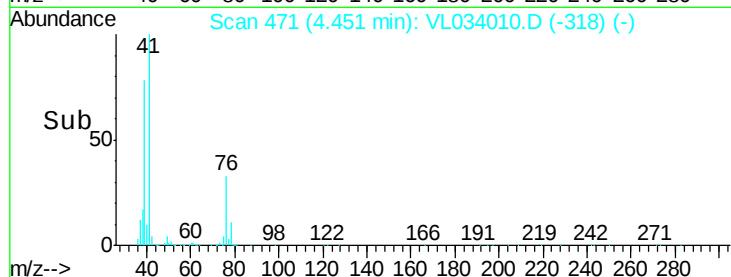
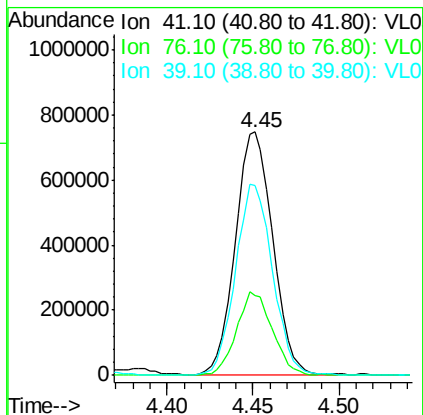
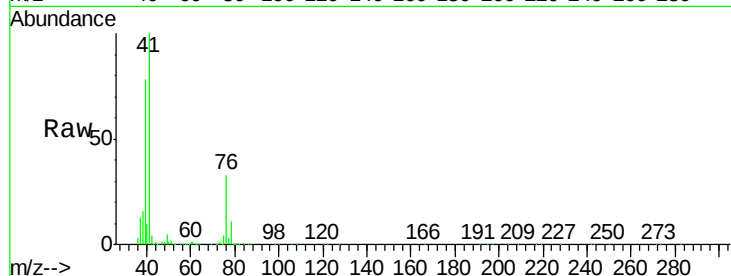
ClientSampleId :

VL0708ABS01

Tot Ion:	41	Resp:	1127434
Ion	Ratio	Lower	Upper
41	100		
76	33.3	26.8	40.2
39	78.3	63.1	94.7

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#22

trans-1,2-Dichloroethene

Concen: 9.510 ppbv

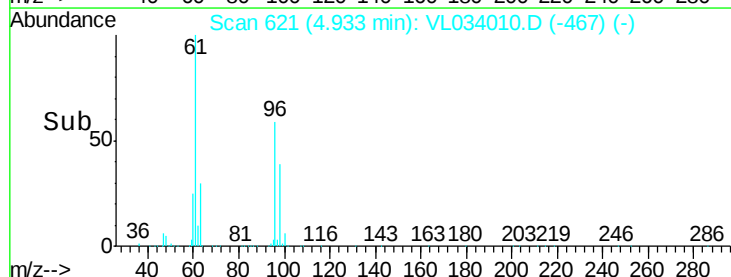
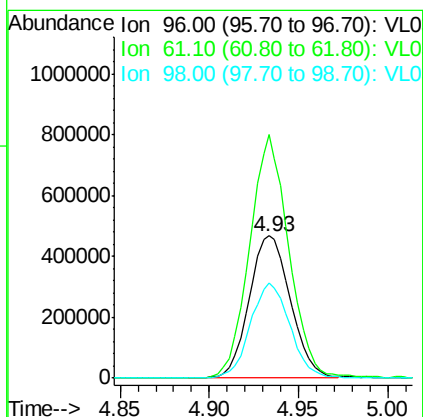
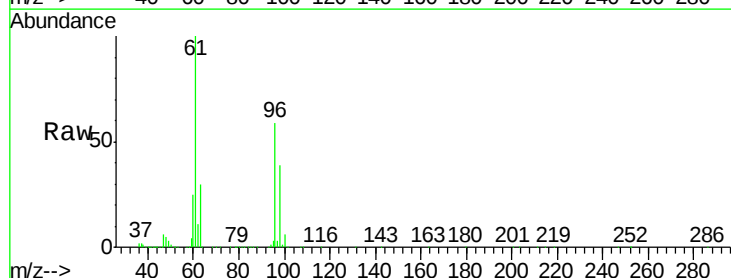
RT: 4.93 min Scan# 621

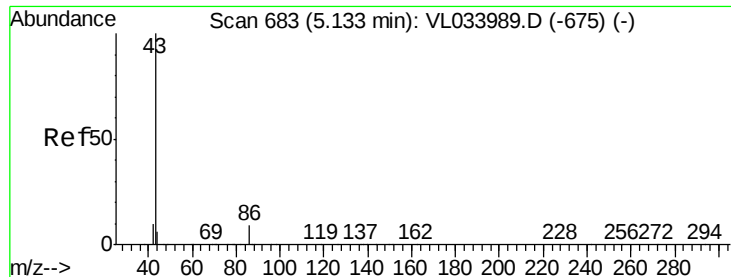
Delta R.T. -0.00 min

Lab File: VL034010.D

Acq: 8 Jul 2019 13:19

Tgt Ion:	96	Resp:	758364
Ion	Ratio	Lower	Upper
96	100		
61	170.9	122.9	184.3
98	66.5	49.6	74.4





#23

Vinyl Acetate

Concen: 10.657 ppbv

RT: 5.12 min Scan# 680

Delta R.T. -0.01 min

Lab File: VL034010.D

Acq: 8 Jul 2019 13:19

Instrument :

MSVOA_L

ClientSampleId :

VL0708ABS01

Tot Ion: 43 Resp: 2045774

Ion Ratio Lower Upper

43 100

86 8.7 6.6 9.8

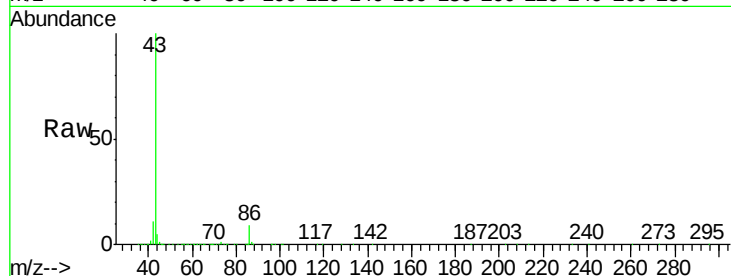
42 11.0 8.3 12.5

44 5.1 4.3 6.5

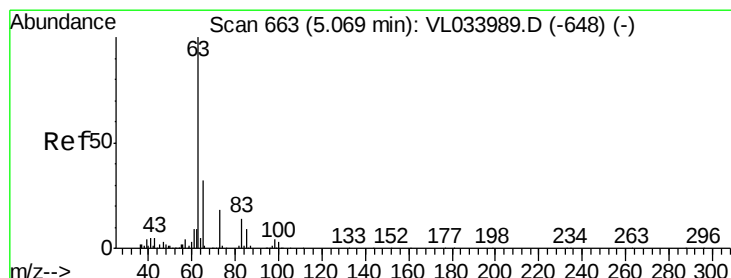
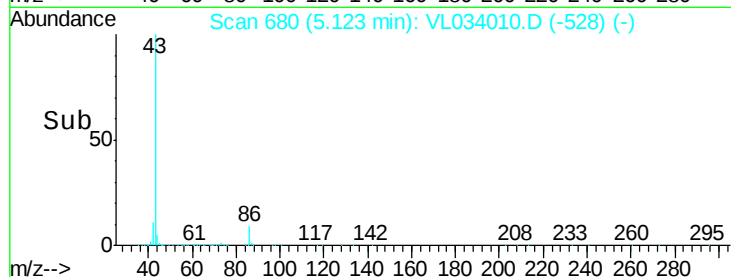
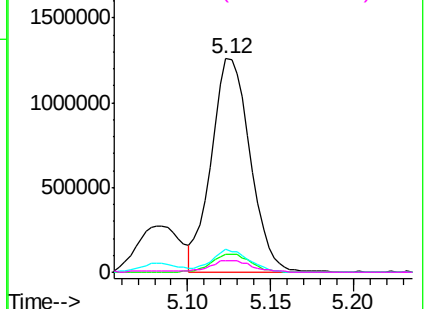
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Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 86.10 (85.80 to 86.80): VL0
Ion 42.10 (41.80 to 42.80): VL0
Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 9.622 ppbv

RT: 5.06 min Scan# 661

Delta R.T. -0.01 min

Lab File: VL034010.D

Acq: 8 Jul 2019 13:19

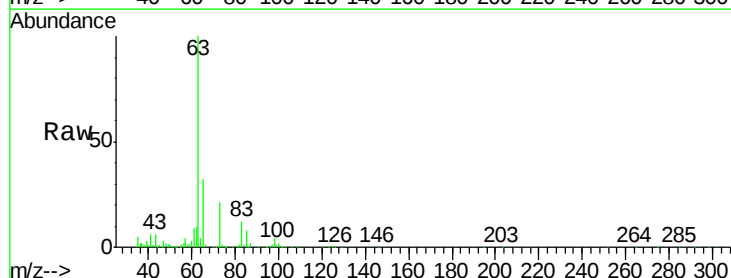
Tgt Ion: 63 Resp: 1637127

Ion Ratio Lower Upper

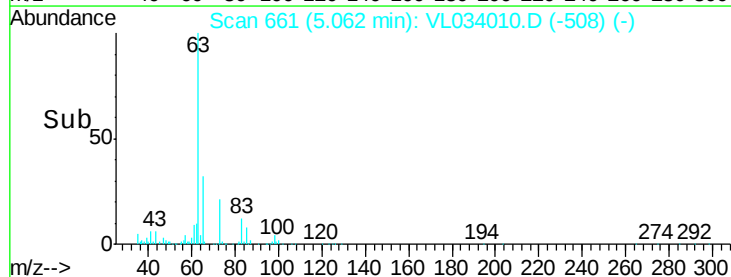
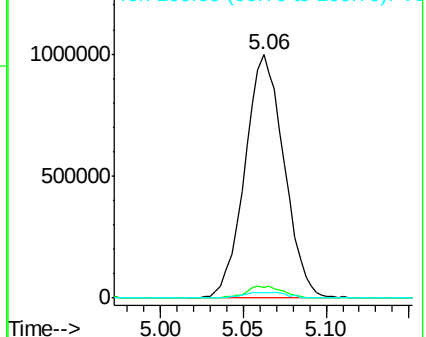
63 100

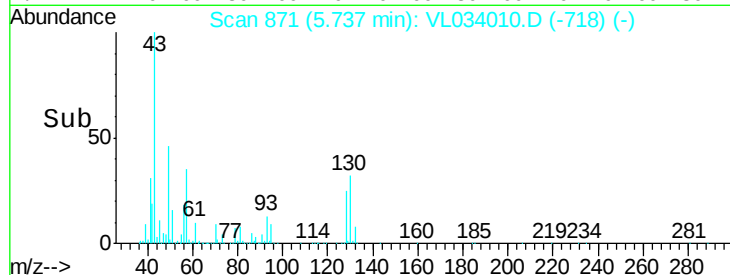
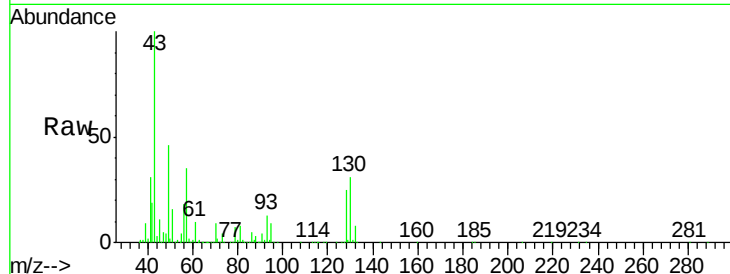
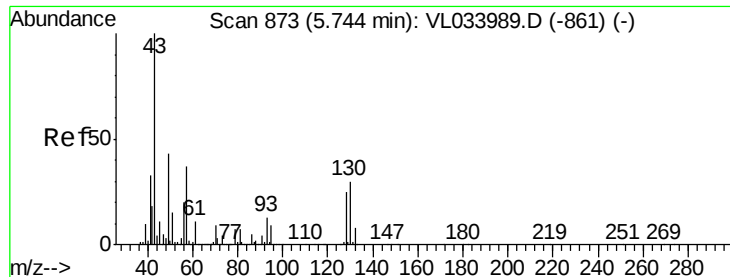
98 4.3 2.2 6.6

100 2.4 1.4 4.2



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





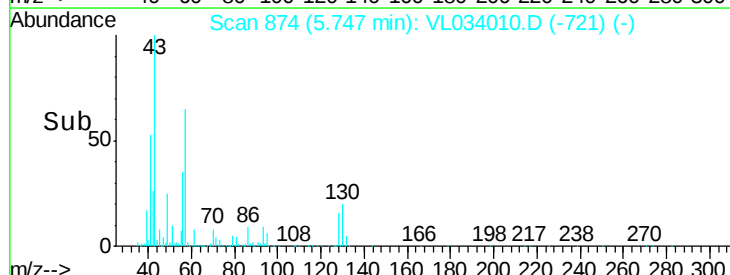
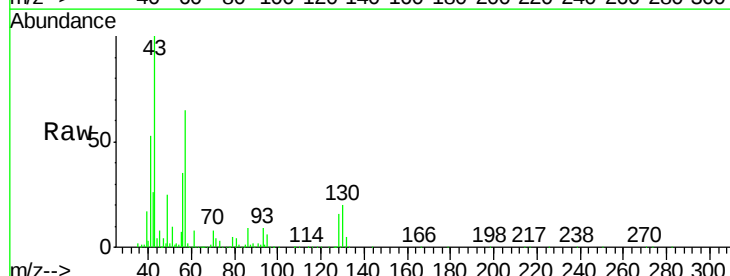
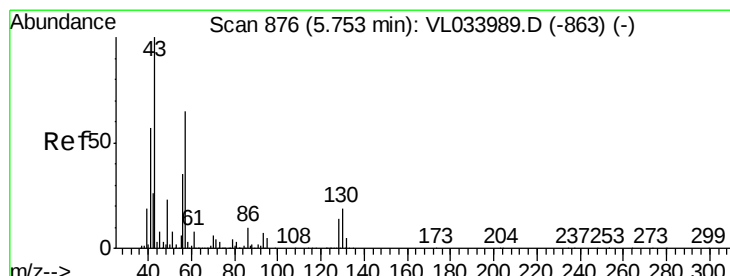
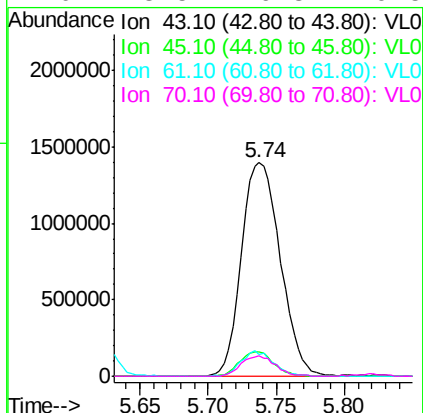
#25
Ethyl Acetate
Concen: 10.510 ppbv
RT: 5.74 min Scan# 871
Delta R.T. -0.01 min
Lab File: VL034010.D
Acq: 8 Jul 2019 13:19

Tot Ion	Ratio	Lower	Upper
43	100		
45	10.1	8.1	12.1
61	9.8	8.1	12.1
70	8.5	6.3	9.5

Instrument :
MSVOA_L
ClientSampleId :
VL0708ABS01

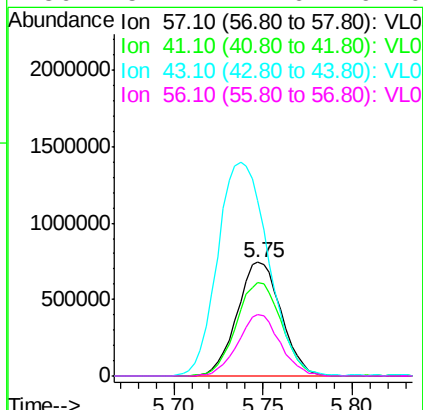
Manual Integrations
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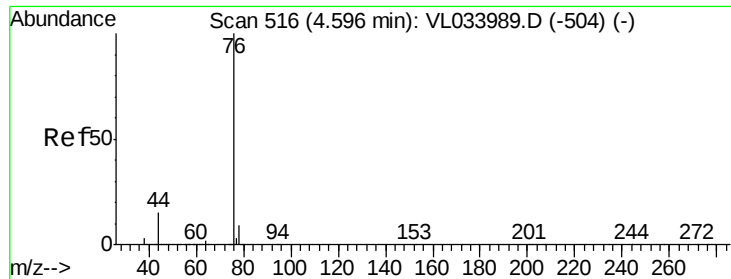
MMDadoda
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#26
Hexane
Concen: 10.673 ppbv
RT: 5.75 min Scan# 874
Delta R.T. -0.01 min
Lab File: VL034010.D
Acq: 8 Jul 2019 13:19

Tgt Ion	Ratio	Lower	Upper
57	100		
41	84.9	70.6	105.8
43	215.2	177.6	266.4
56	52.1	42.6	64.0





#27

Carbon Disulfide

Concen: 9.585 ppbv

RT: 4.59 min Scan# 514

Delta R.T. -0.01 min

Lab File: VL034010.D

Acq: 8 Jul 2019 13:19

Instrument :

MSVOA_L

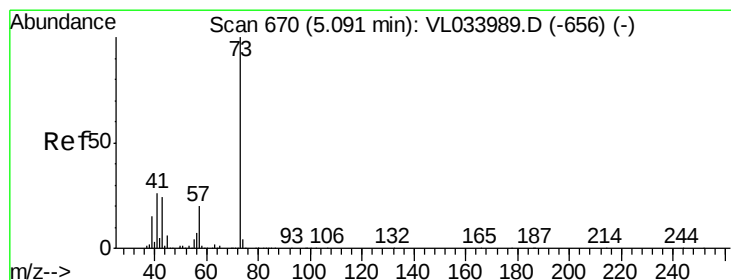
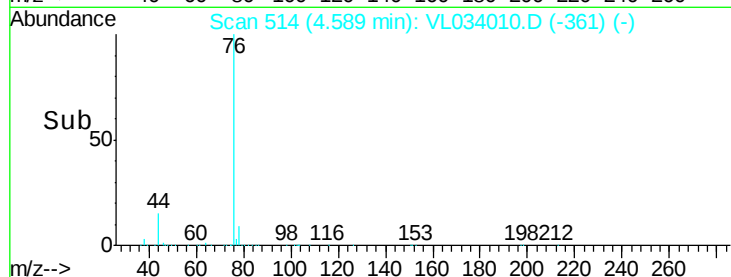
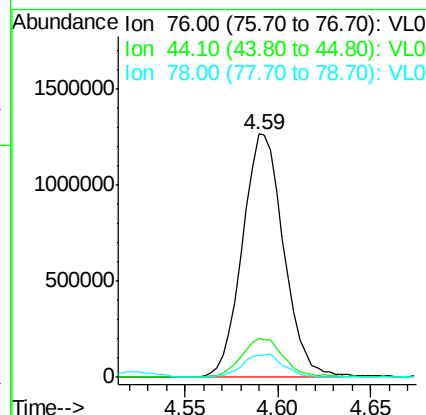
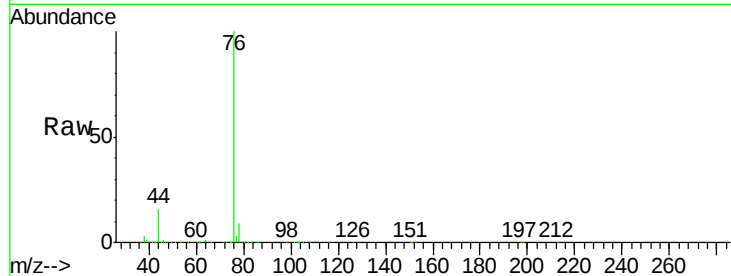
ClientSampleId :

VL0708ABS01

Tot Ion:	76	Resp:	1961600
Ion	Ratio	Lower	Upper
76	100		
44	16.2	12.6	18.8
78	9.2	7.2	10.8

Manual Integrations
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#28

Methyl tert-Butyl Ether

Concen: 10.469 ppbv

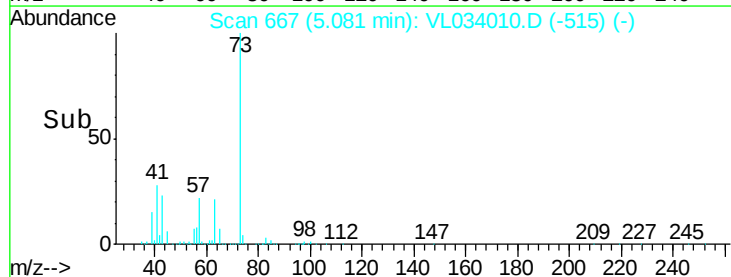
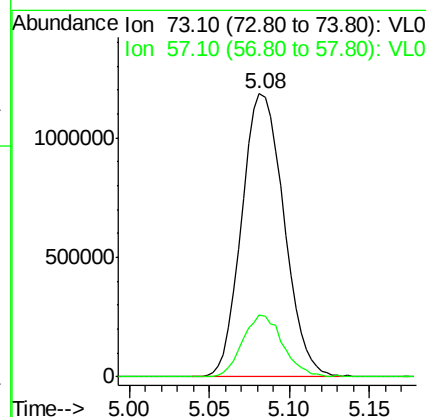
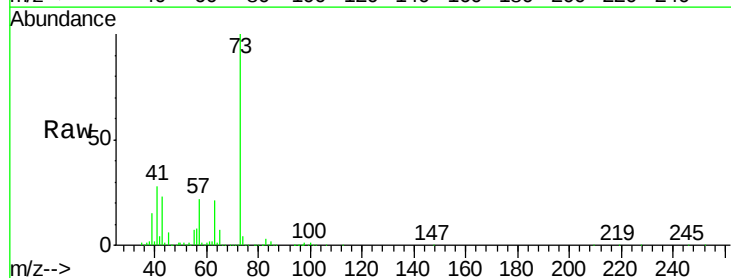
RT: 5.08 min Scan# 667

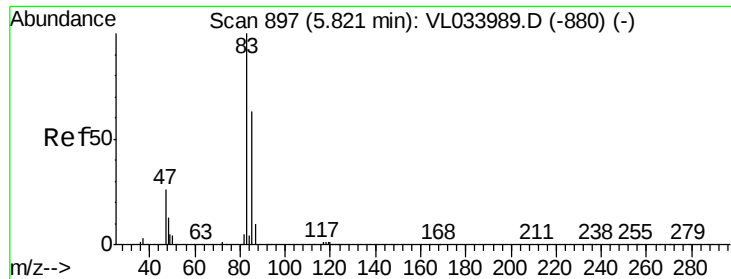
Delta R.T. -0.01 min

Lab File: VL034010.D

Acq: 8 Jul 2019 13:19

Tgt Ion:	73	Resp:	2134288
Ion	Ratio	Lower	Upper
73	100		
57	21.2	16.9	25.3





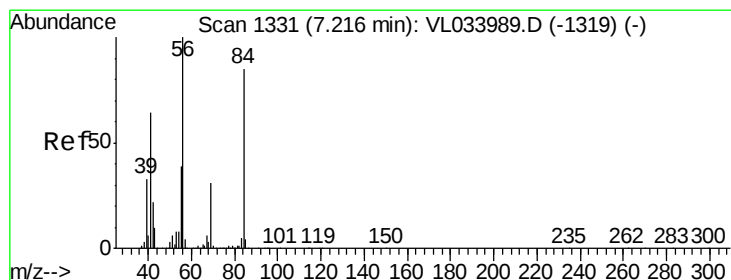
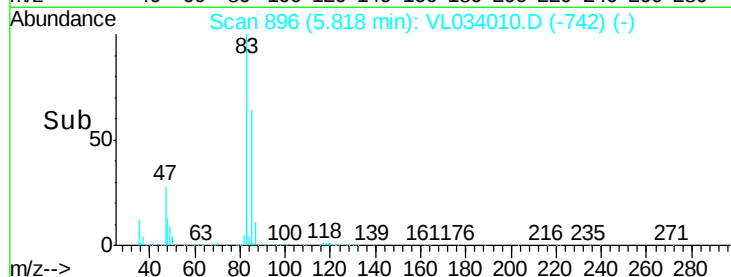
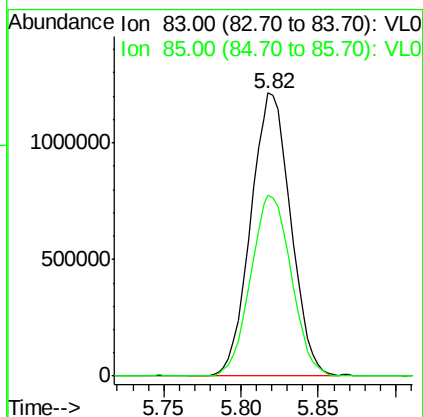
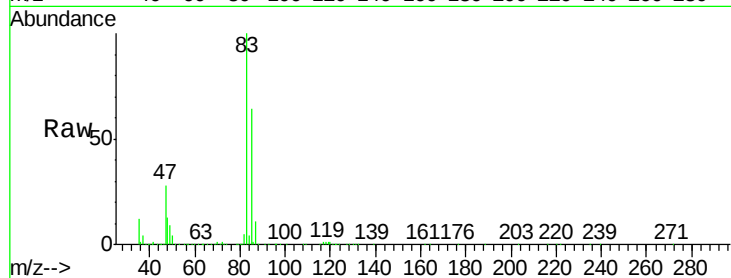
#29
Chloroform
Concen: 9.649 ppbv
RT: 5.82 min Scan# 896
Delta R.T. -0.00 min
Lab File: VL034010.D
Acq: 8 Jul 2019 13:19

Instrument :
MSVOA_L
ClientSampleId :
VL0708ABS01

Tot Ion: 83 Resp: 2182917
Ion Ratio Lower Upper
83 100
85 64.0 50.6 75.8

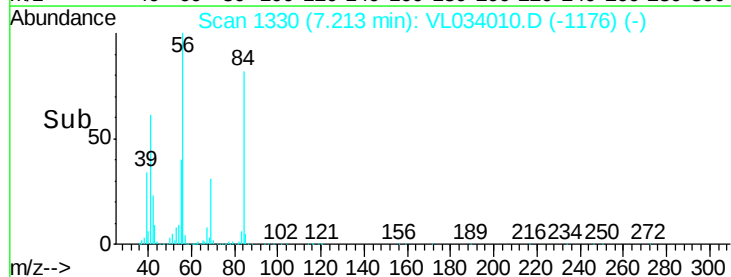
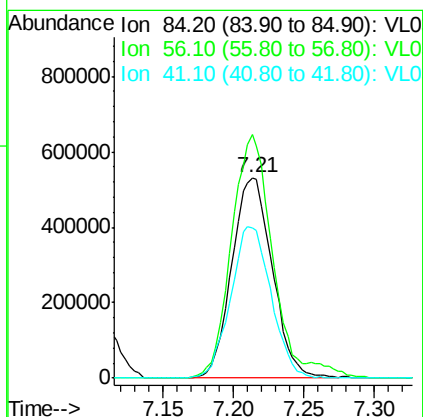
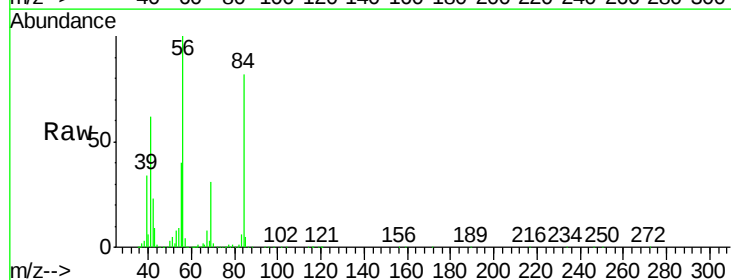
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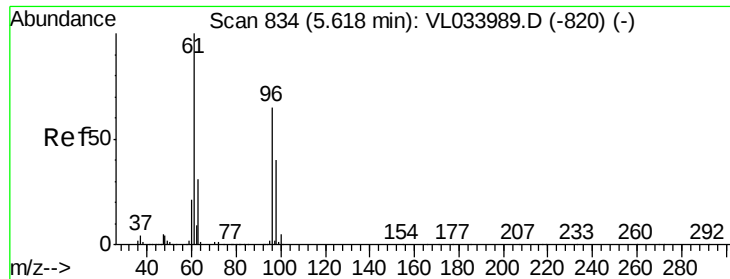
MMDadoda
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#30
Cyclohexane
Concen: 11.507 ppbv
RT: 7.21 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VL034010.D
Acq: 8 Jul 2019 13:19

Tgt Ion: 84 Resp: 1069777
Ion Ratio Lower Upper
84 100
56 124.4 103.7 155.5
41 75.4 62.6 94.0





#31

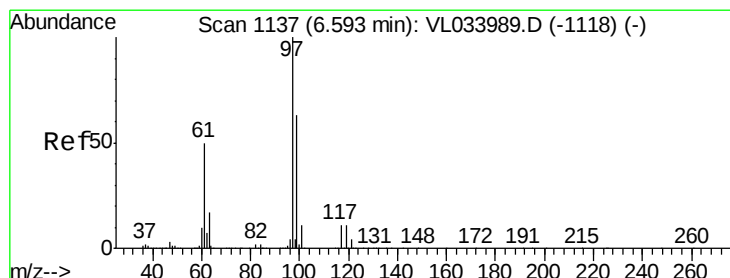
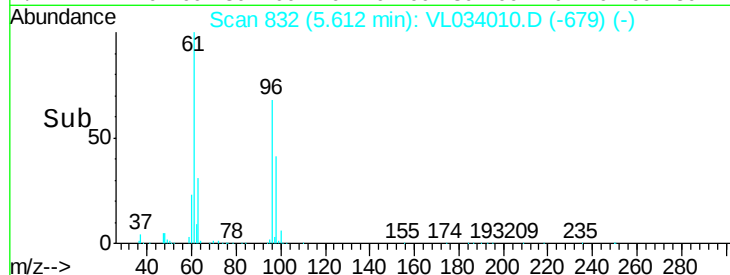
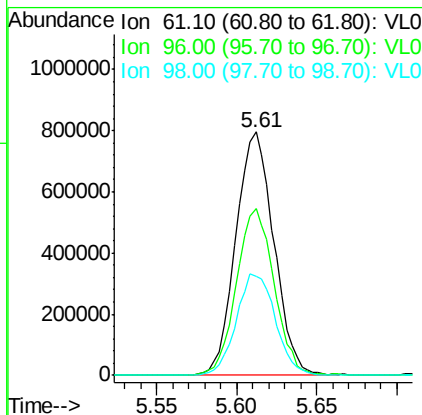
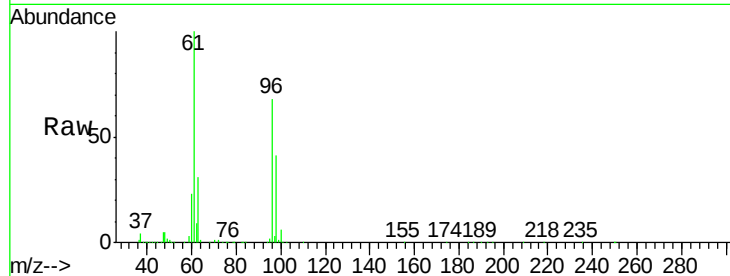
cis-1,2-Dichloroethene
Concen: 10.997 ppbv
RT: 5.61 min Scan# 832
Delta R.T. -0.01 min
Lab File: VL034010.D
Acq: 8 Jul 2019 13:19

Instrument :
MSVOA_L
ClientSampleId :
VL0708ABS01

Tot Ion	Ratio	Lower	Upper
61	100		
96	68.5	51.8	77.6
98	41.0	32.1	48.1

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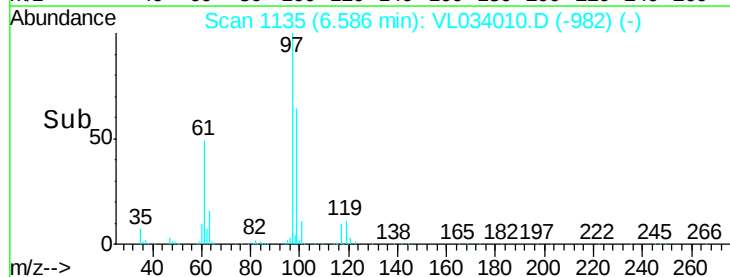
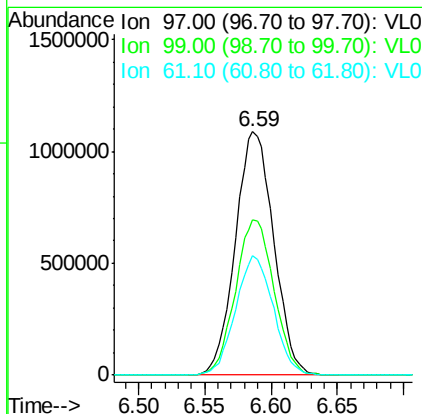
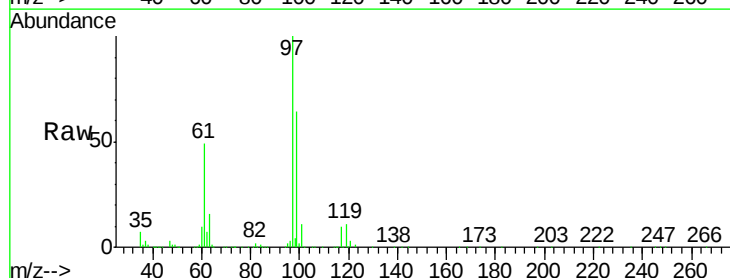
MMDadoda
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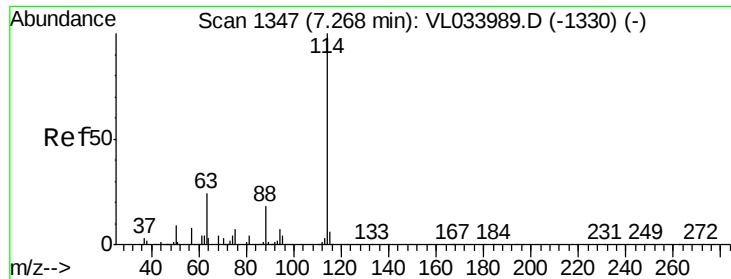


#32

1,1,1-Trichloroethane
Concen: 9.535 ppbv
RT: 6.59 min Scan# 1135
Delta R.T. -0.01 min
Lab File: VL034010.D
Acq: 8 Jul 2019 13:19

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.9	77.9
61	48.3	39.8	59.8





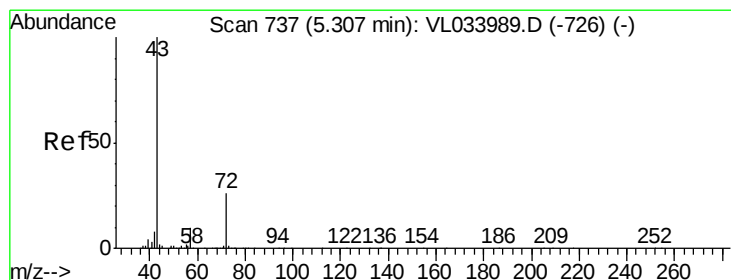
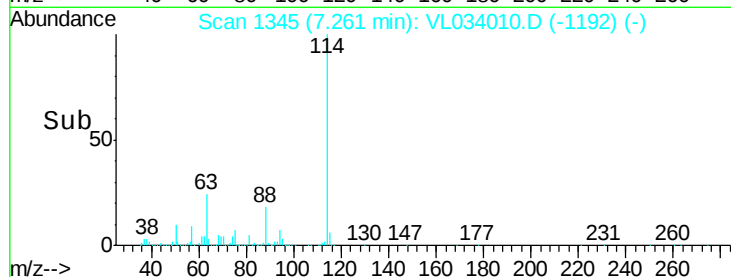
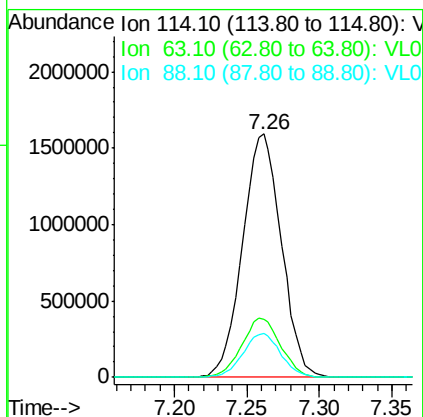
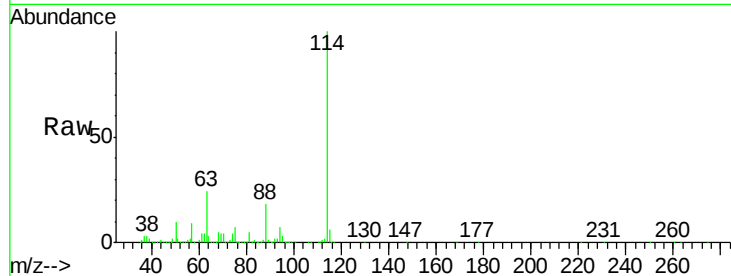
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.26 min Scan# 1345
 Delta R.T. -0.01 min
 Lab File: VL034010.D
 Acq: 8 Jul 2019 13:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0708ABS01

Tot Ion:114 Resp: 2967458
 Ion Ratio Lower Upper
 114 100
 63 24.7 20.2 30.2
 88 17.7 14.1 21.1

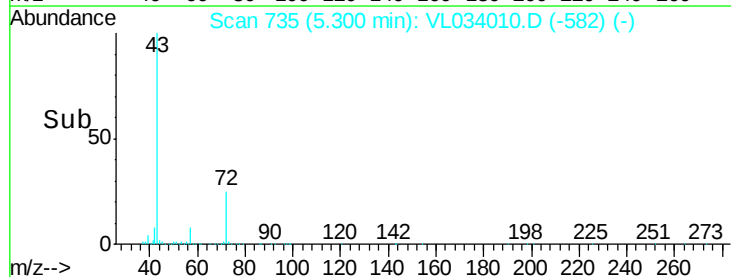
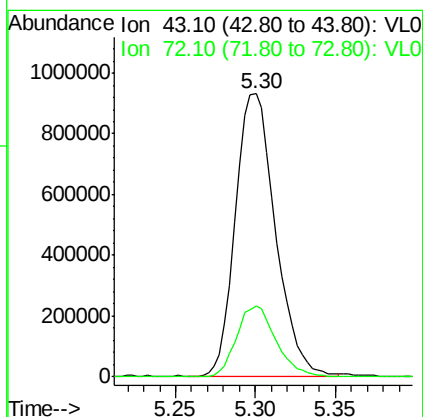
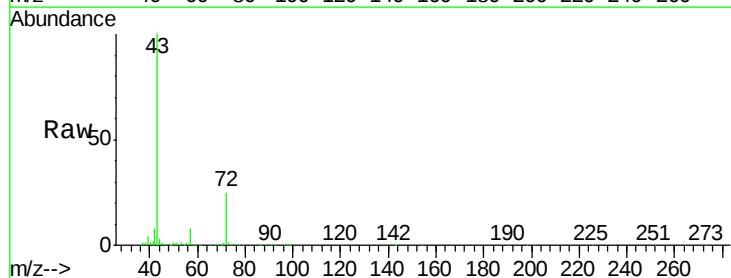
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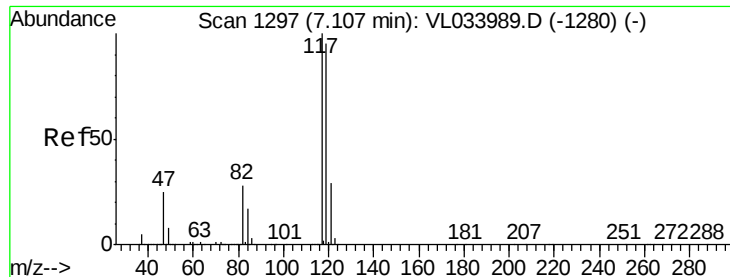
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#34
 2-Butanone
 Concen: 10.124 ppbv
 RT: 5.30 min Scan# 735
 Delta R.T. -0.01 min
 Lab File: VL034010.D
 Acq: 8 Jul 2019 13:19

Tgt Ion: 43 Resp: 1589987
 Ion Ratio Lower Upper
 43 100
 72 24.8 19.9 29.9





#35

Carbon Tetrachloride

Concen: 9.791 ppbv

RT: 7.10 min Scan# 1295

Delta R.T. -0.01 min

Lab File: VL034010.D

Acq: 8 Jul 2019 13:19

Instrument :

MSVOA_L

ClientSampleId :

VL0708ABS01

Tot Ion: 117 Resp: 2300011

Ion Ratio Lower Upper

117 100

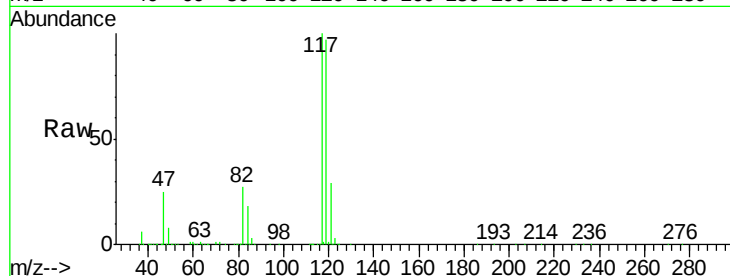
119 96.7 75.8 113.6

121 29.2 23.4 35.2

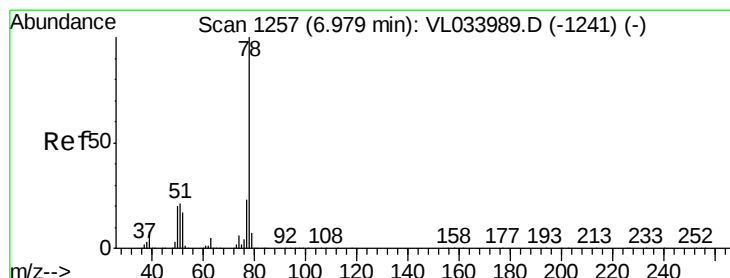
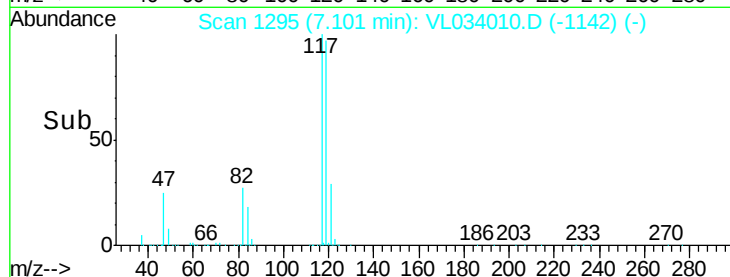
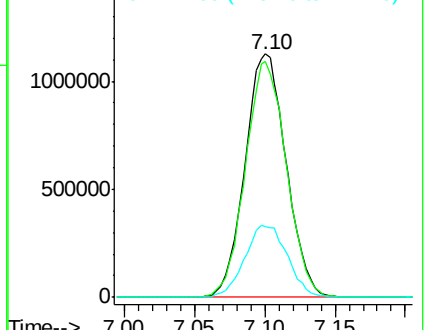
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Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 10.983 ppbv

RT: 6.97 min Scan# 1255

Delta R.T. -0.01 min

Lab File: VL034010.D

Acq: 8 Jul 2019 13:19

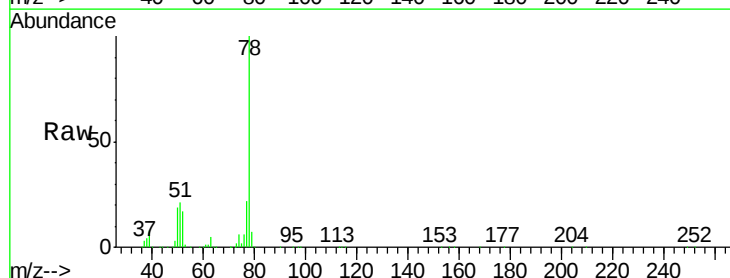
Tgt Ion: 78 Resp: 2550166

Ion Ratio Lower Upper

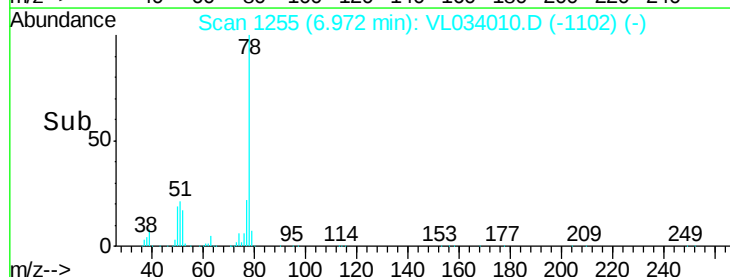
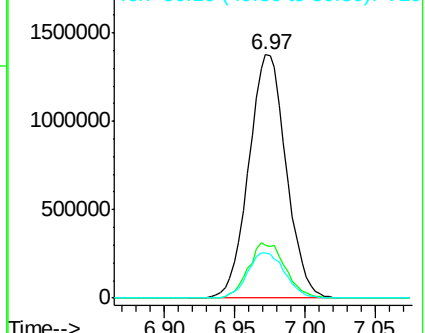
78 100

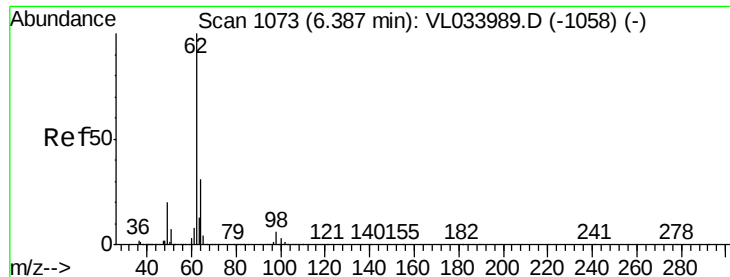
77 22.0 18.7 28.1

50 18.8 16.2 24.2



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





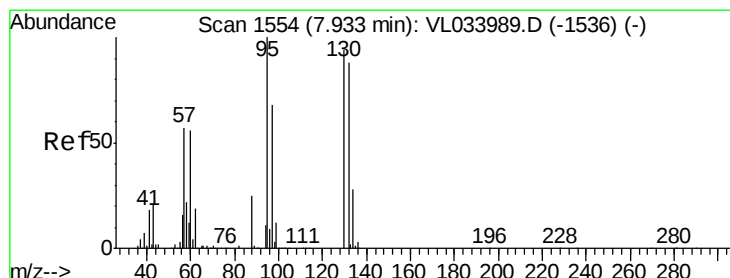
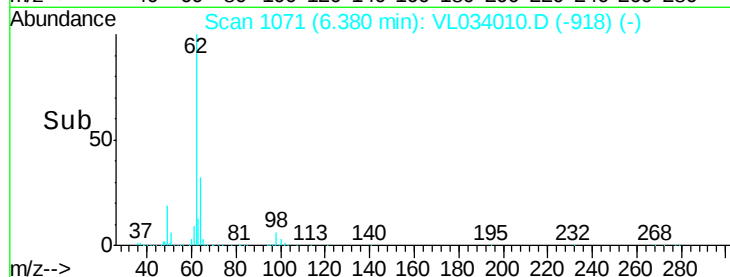
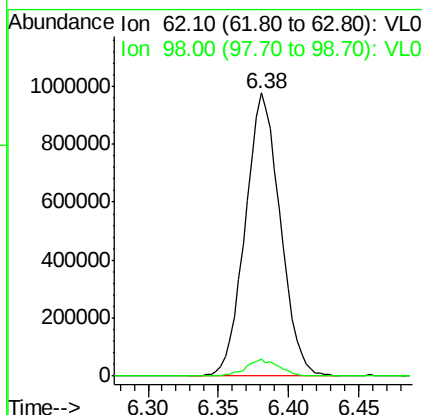
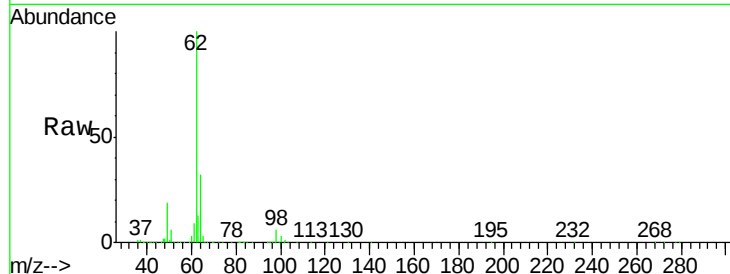
#37
 1,2-Dichloroethane
 Concen: 9.920 ppbv
 RT: 6.38 min Scan# 1071
 Delta R.T. -0.01 min
 Lab File: VL034010.D
 Acq: 8 Jul 2019 13:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0708ABS01

Tot Ion: 62 Resp: 1696912
 Ion Ratio Lower Upper
 62 100
 98 5.6 4.4 6.6

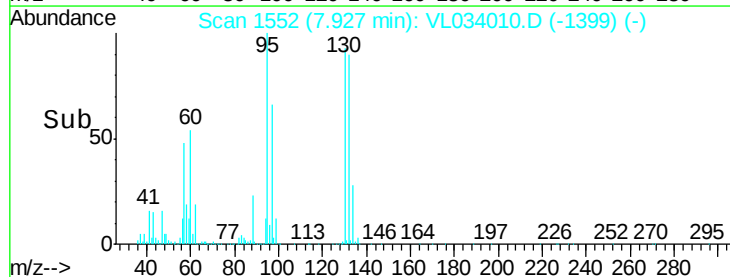
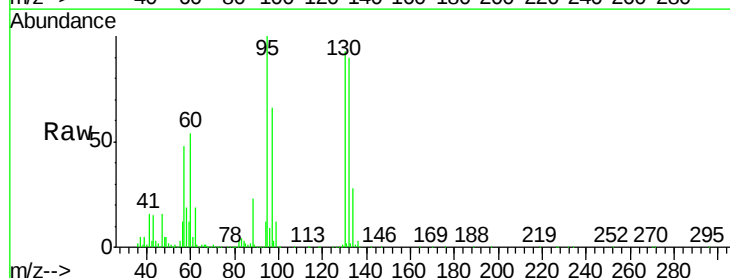
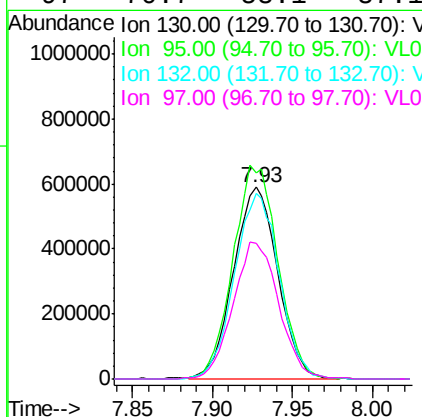
Manual Integrations
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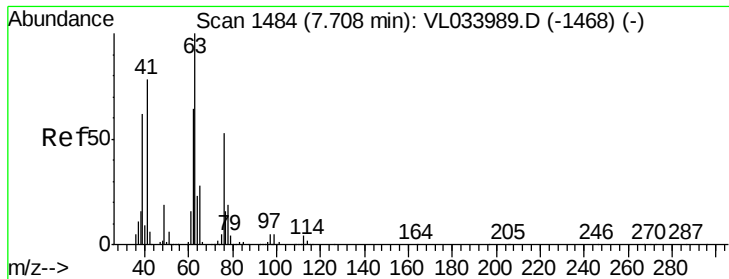
MMDadoda
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#38
 Trichloroethene
 Concen: 10.723 ppbv
 RT: 7.93 min Scan# 1552
 Delta R.T. -0.01 min
 Lab File: VL034010.D
 Acq: 8 Jul 2019 13:19

Tgt Ion: 130 Resp: 1107795
 Ion Ratio Lower Upper
 130 100
 95 107.6 85.5 128.3
 132 96.1 75.1 112.7
 97 70.7 58.1 87.1





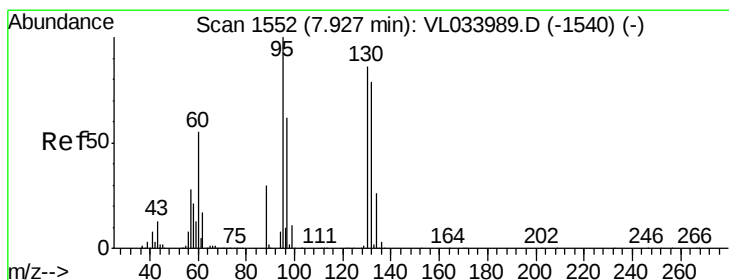
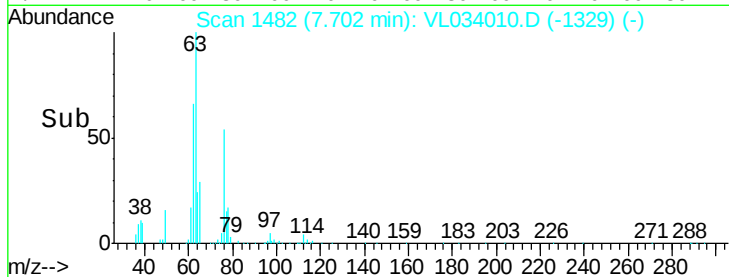
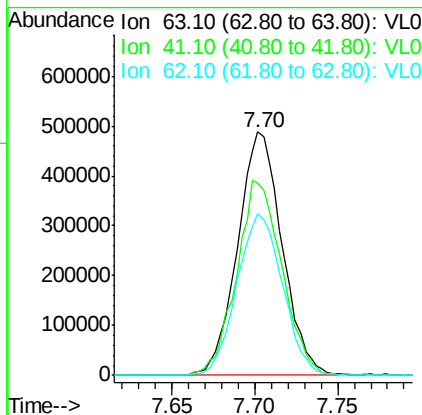
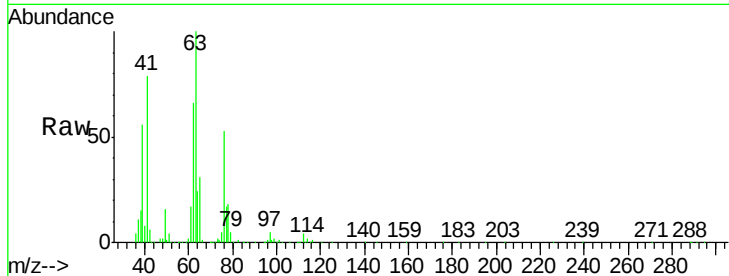
#39
 1,2-Dichloropropane
 Concen: 10.509 ppbv
 RT: 7.70 min Scan# 1482
 Delta R.T. -0.01 min
 Lab File: VL034010.D
 Acq: 8 Jul 2019 13:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0708ABS01

Tot Ion	Ratio	Lower	Upper
63	100		
41	78.6	62.3	93.5
62	66.3	51.4	77.2

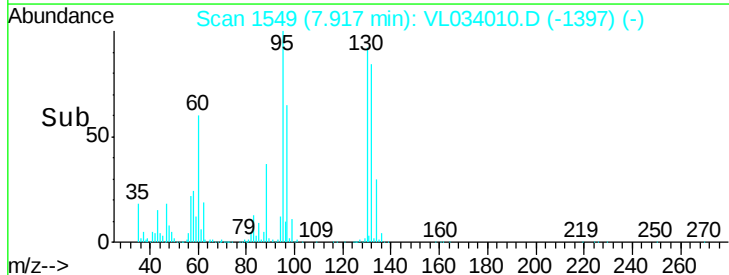
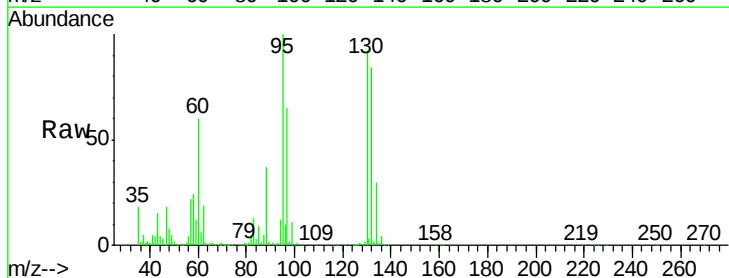
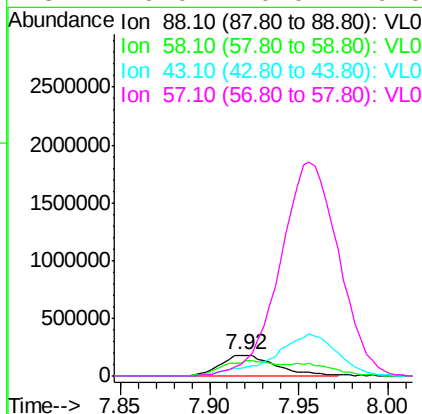
Manual Integrations
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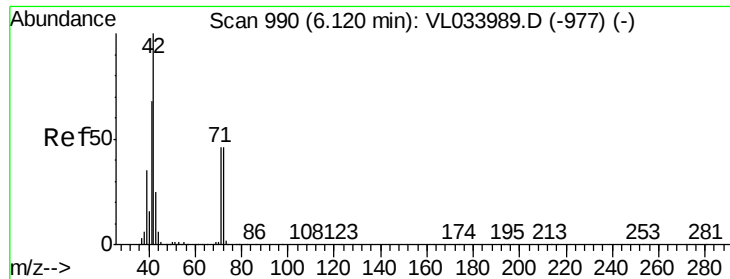
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#40
 1,4-Dioxane
 Concen: 9.488 ppbv
 RT: 7.92 min Scan# 1549
 Delta R.T. -0.01 min
 Lab File: VL034010.D
 Acq: 8 Jul 2019 13:19

Tgt Ion	Ratio	Lower	Upper
88	100		
58	125.6	99.1	148.7
43	0.0	0.0	0.0
57	0.0	0.0	0.0





#41

Tetrahydrofuran

Concen: 11.631 ppbv

RT: 6.11 min Scan# 988

Delta R.T. -0.01 min

Lab File: VL034010.D

Acq: 8 Jul 2019 13:19

Instrument :

MSVOA_L

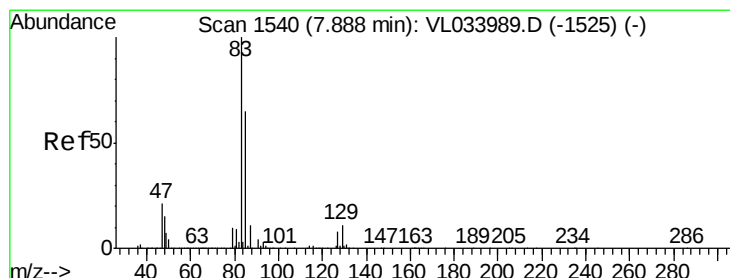
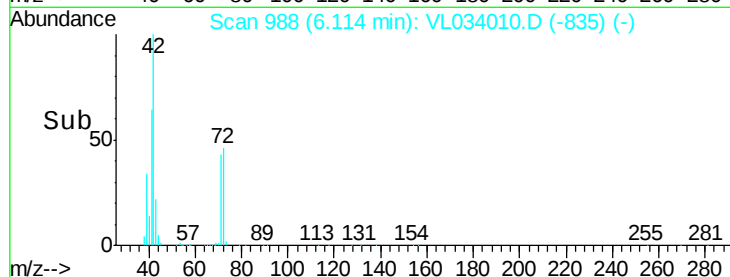
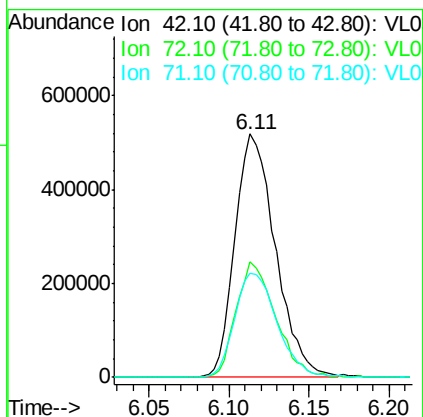
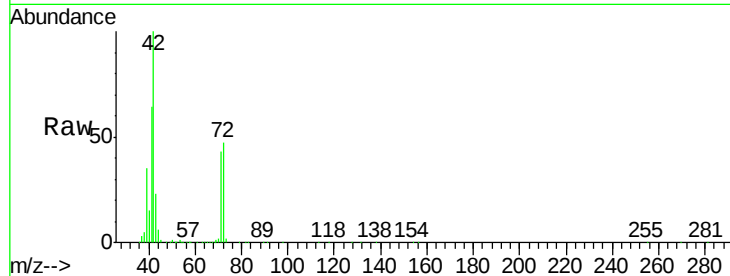
ClientSampleId :

VL0708ABS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.3	37.3	55.9
71	44.9	36.2	54.2

Manual Integrations
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#42

Bromodichloromethane

Concen: 10.419 ppbv

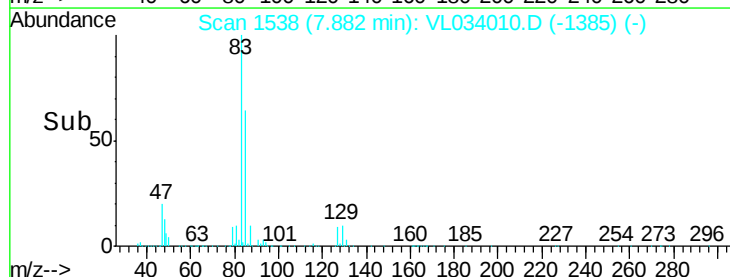
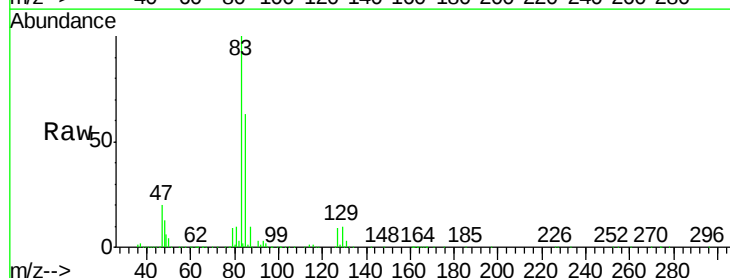
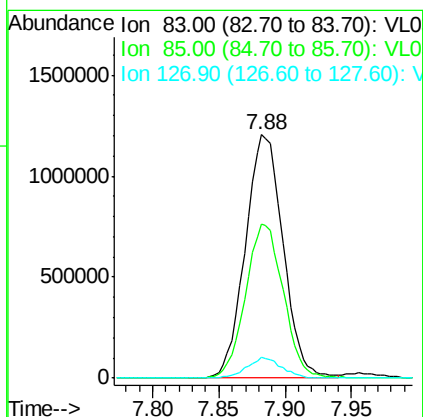
RT: 7.88 min Scan# 1538

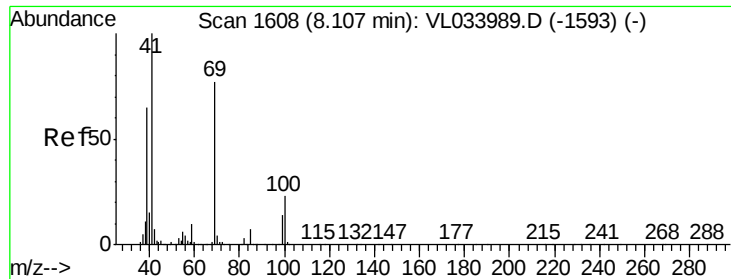
Delta R.T. -0.01 min

Lab File: VL034010.D

Acq: 8 Jul 2019 13:19

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.5	51.8	77.8
127	8.7	6.5	9.7





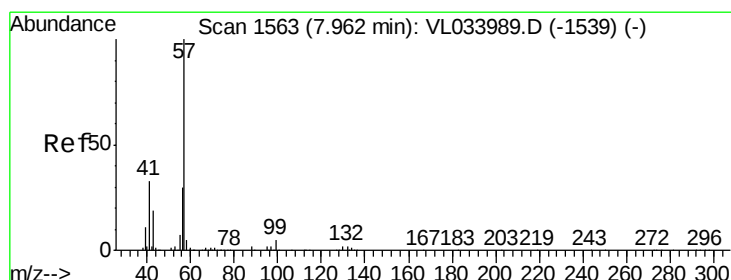
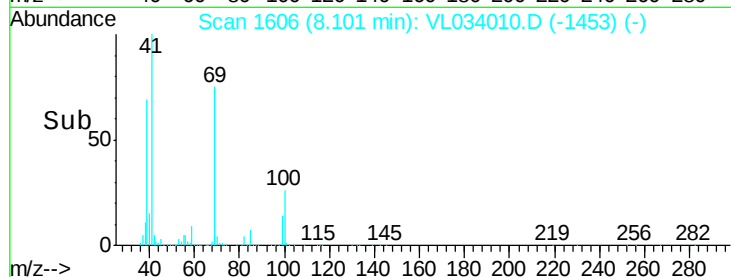
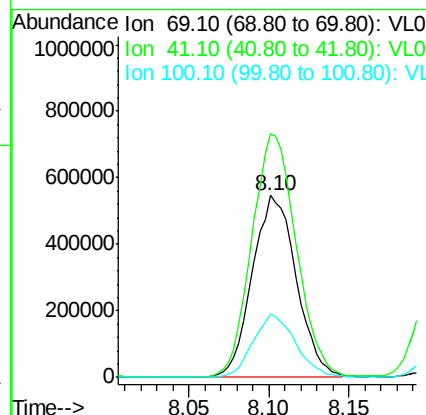
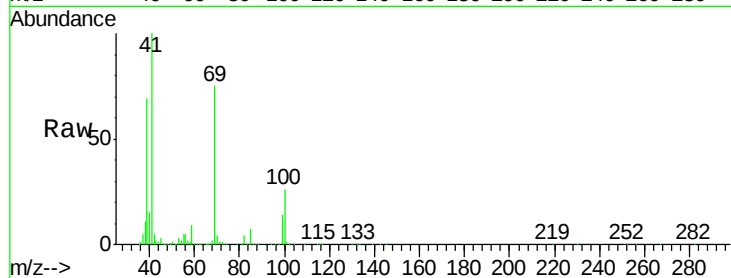
#43
Methvl Methacrylate
Concen: 11.714 ppbv
RT: 8.10 min Scan# 1606
Delta R.T. -0.01 min
Lab File: VL034010.D
Acq: 8 Jul 2019 13:19

Instrument :
MSVOA_L
ClientSampleId :
VL0708ABS01

Tot Ion: 69 Resp: 1032026
Ion Ratio Lower Upper
69 100
41 135.6 109.1 163.7
100 33.6 25.3 37.9

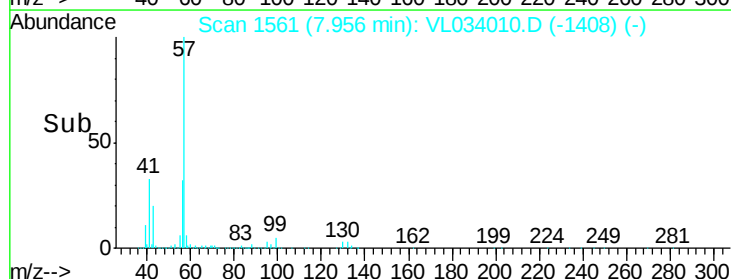
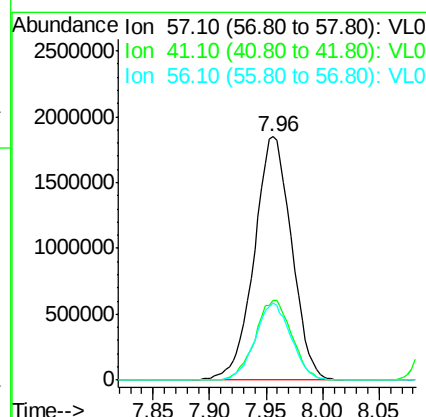
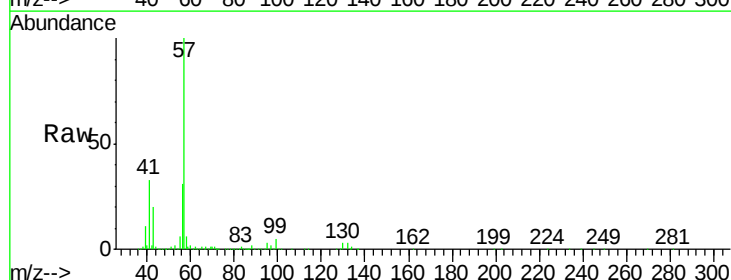
Manual Integrations
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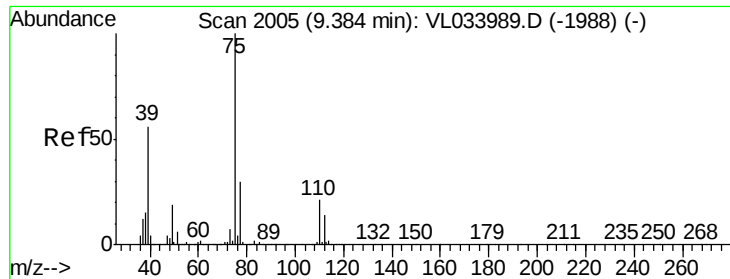
MMDadoda
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#44
2,2,4-Trimethylpentane
Concen: 10.581 ppbv
RT: 7.96 min Scan# 1561
Delta R.T. -0.01 min
Lab File: VL034010.D
Acq: 8 Jul 2019 13:19

Tgt Ion: 57 Resp: 4240894
Ion Ratio Lower Upper
57 100
41 32.5 26.1 39.1
56 30.5 24.4 36.6





#45

t-1,3-Dichloropropene

Concen: 12.725 ppbv

RT: 9.38 min Scan# 2004

Delta R.T. -0.00 min

Lab File: VL034010.D

Acq: 8 Jul 2019 13:19

Instrument :

MSVOA_L

ClientSampleId :

VL0708ABS01

Tot Ion: 75 Resp: 1465968

Ion Ratio Lower Upper

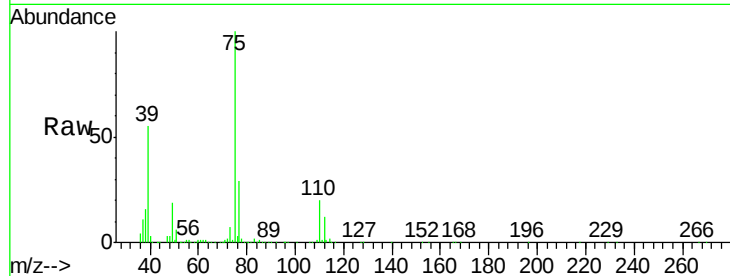
75 100

77 29.5 24.3 36.5

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Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

9.38

800000

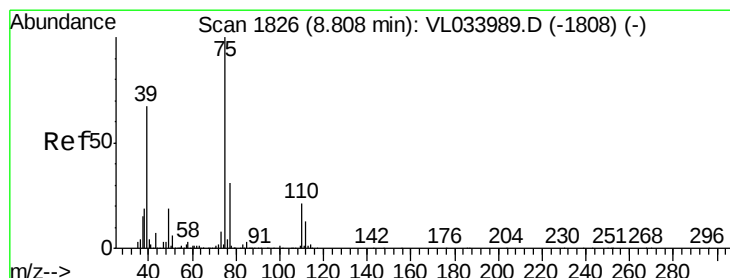
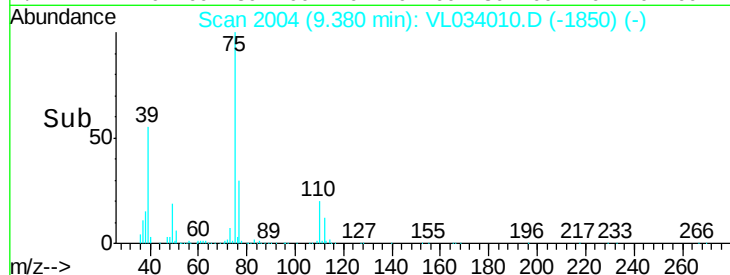
600000

400000

200000

0

Time-->



#46

cis-1,3-Dichloropropene

Concen: 11.994 ppbv

RT: 8.80 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VL034010.D

Acq: 8 Jul 2019 13:19

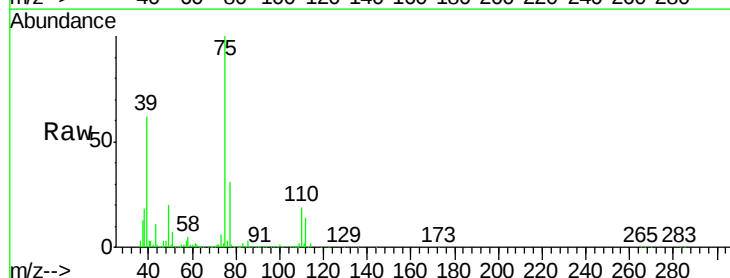
Tgt Ion: 75 Resp: 1600271

Ion Ratio Lower Upper

75 100

39 62.3 53.8 80.6

77 30.9 24.5 36.7



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

8.80

1000000

800000

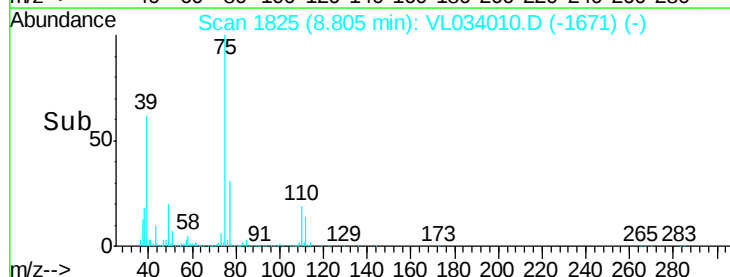
600000

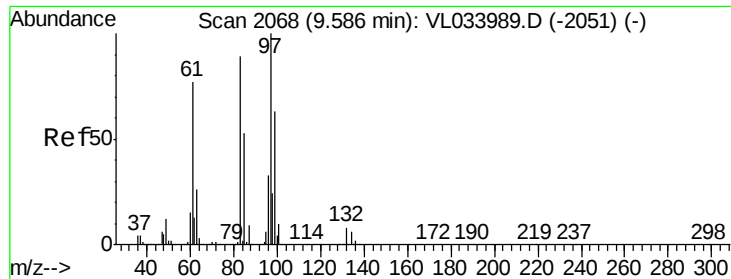
400000

200000

0

Time-->





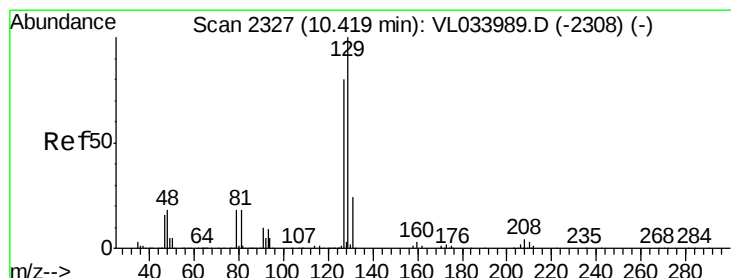
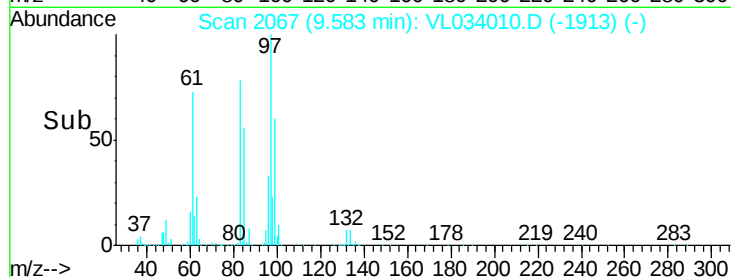
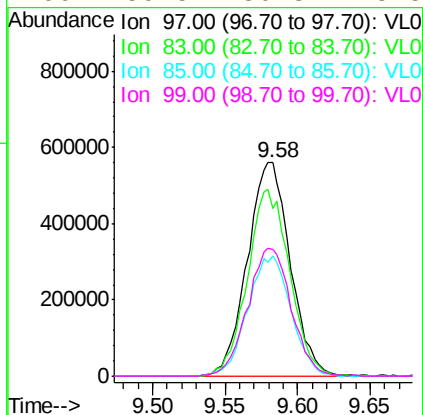
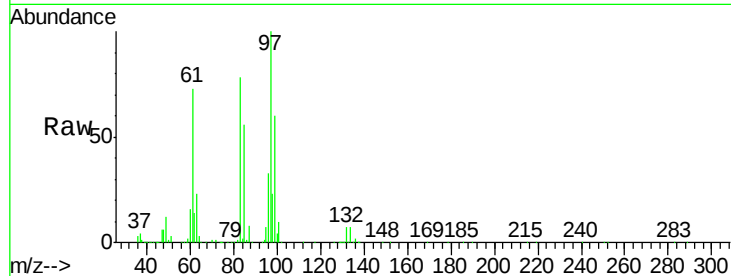
#47
 1,1,2-Trichloroethane
 Concen: 10.580 ppbv
 RT: 9.58 min Scan# 2067
 Delta R.T. -0.00 min
 Lab File: VL034010.D
 Acq: 8 Jul 2019 13:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0708ABS01

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	78.1	71.1	106.7	
85	56.2	42.6	64.0	
99	59.5	50.3	75.5	

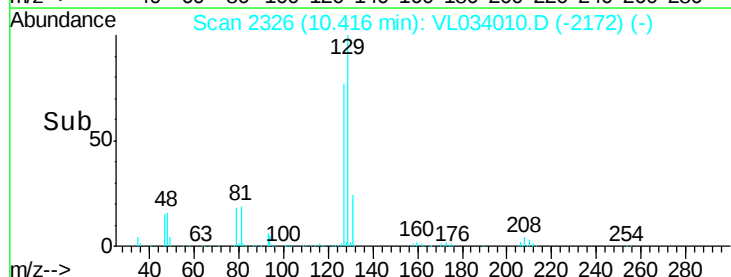
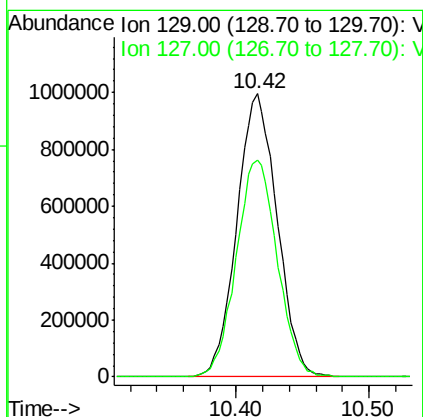
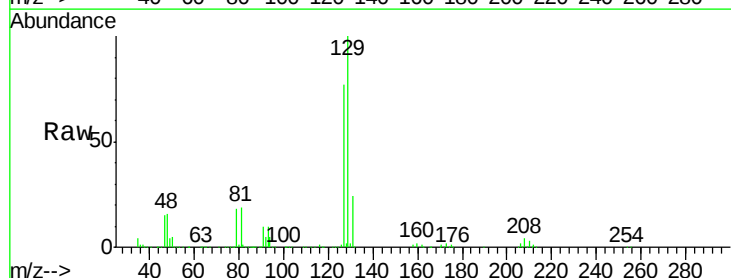
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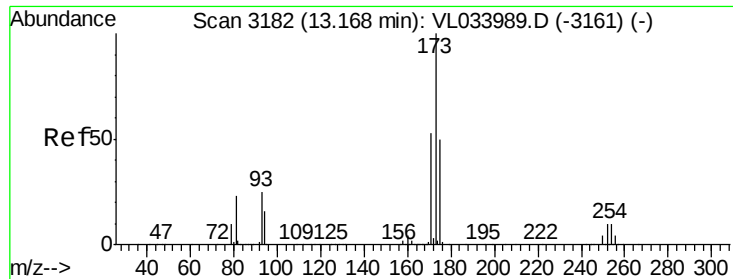
MMDadoda
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#48
 Dibromochloromethane
 Concen: 10.104 ppbv
 RT: 10.42 min Scan# 2326
 Delta R.T. -0.00 min
 Lab File: VL034010.D
 Acq: 8 Jul 2019 13:19

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	78.5	39.1	117.3	





#49

Bromoform

Concen: 11.021 ppbv

RT: 13.16 min Scan# 3180

Delta R.T. -0.01 min

Lab File: VL034010.D

Acq: 8 Jul 2019 13:19

Instrument :

MSVOA_L

ClientSampleId :

VL0708ABS01

Tot Ion:173 Resp: 1950336

Ion Ratio Lower Upper

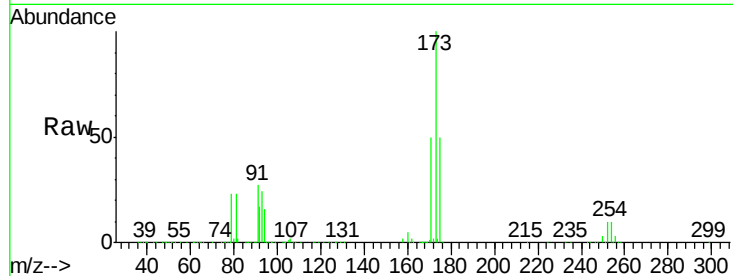
173 100

175 49.9 39.3 58.9

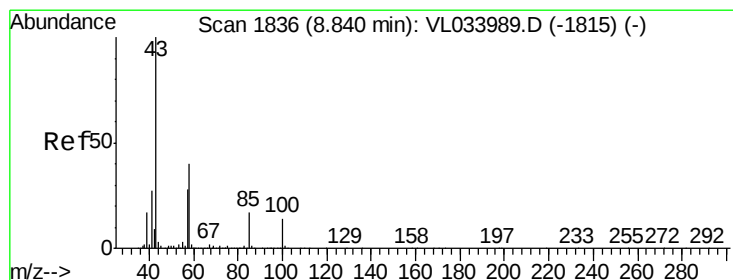
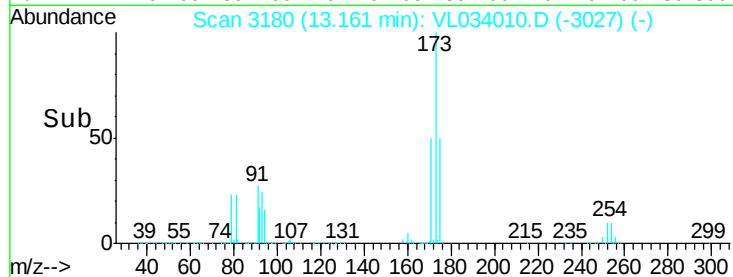
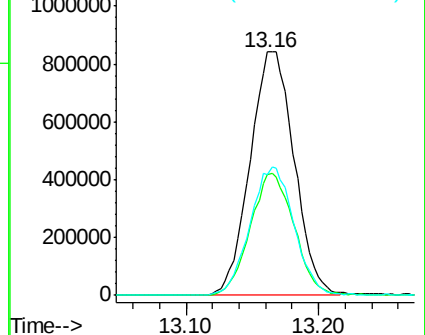
171 52.6 41.4 62.0

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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: 10.816 ppbv

RT: 8.83 min Scan# 1834

Delta R.T. -0.01 min

Lab File: VL034010.D

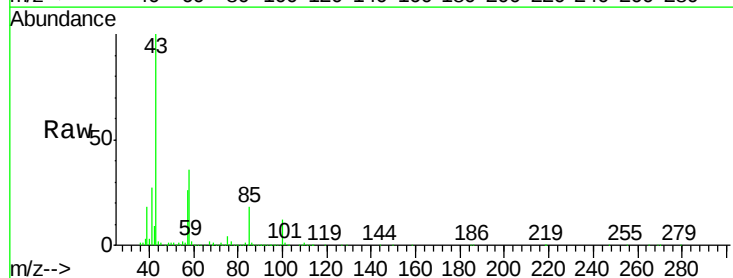
Acq: 8 Jul 2019 13:19

Tgt Ion: 43 Resp: 2520677

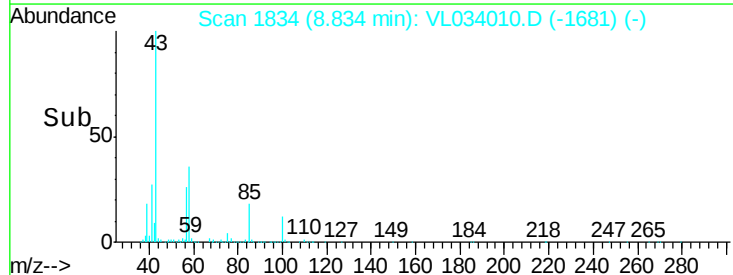
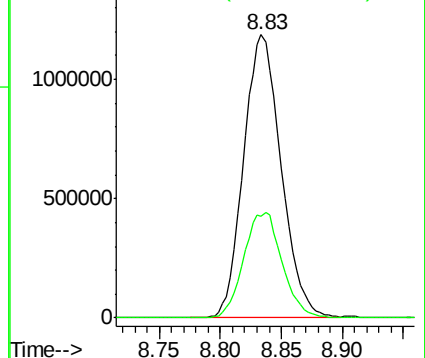
Ion Ratio Lower Upper

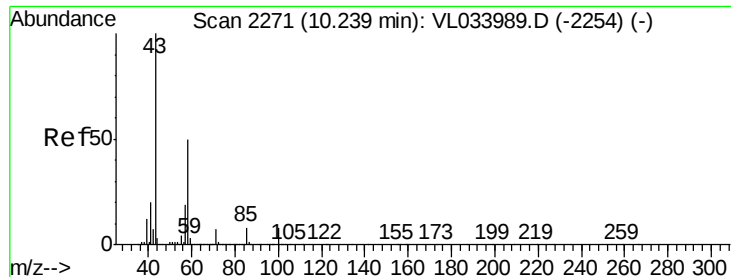
43 100

58 38.2 30.3 45.5



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





#51

2-Hexanone

Concen: 11.115 ppbv

RT: 10.23 min Scan# 2269

Delta R.T. -0.01 min

Lab File: VL034010.D

Acq: 8 Jul 2019 13:19

Instrument :

MSVOA_L

ClientSampleId :

VL0708ABS01

Tot Ion: 43 Resp: 2089065

Ion Ratio Lower Upper

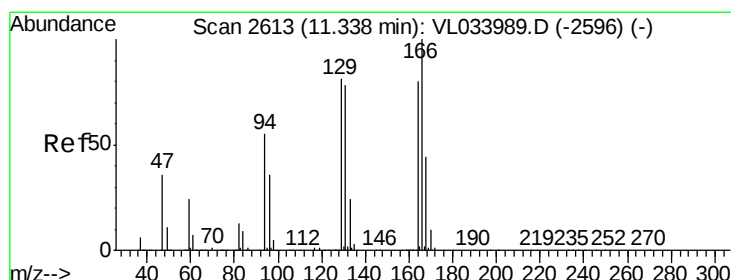
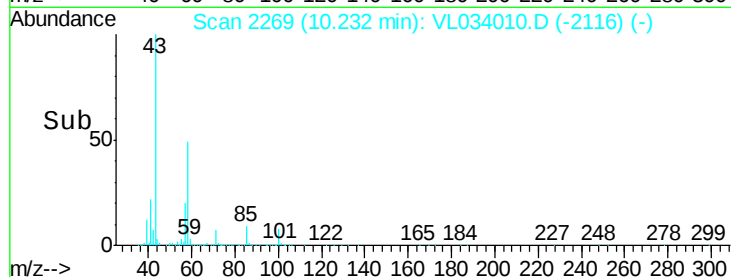
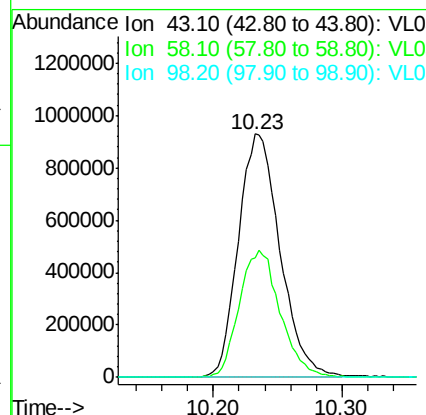
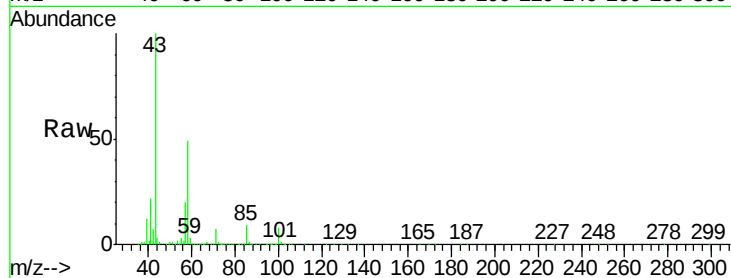
43 100

58 51.4 41.0 61.4

98 0.5 0.2 0.2#

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#52

Tetrachloroethene

Concen: 10.740 ppbv

RT: 11.34 min Scan# 2612

Delta R.T. -0.00 min

Lab File: VL034010.D

Acq: 8 Jul 2019 13:19

Tgt Ion: 164 Resp: 1073273

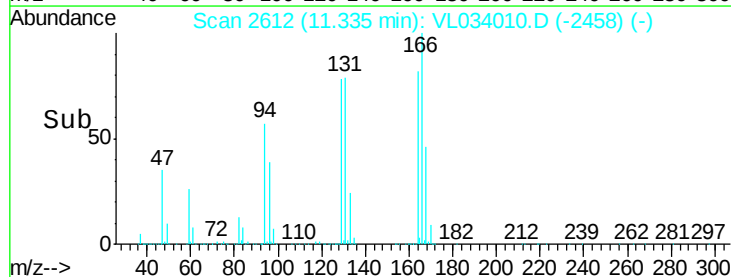
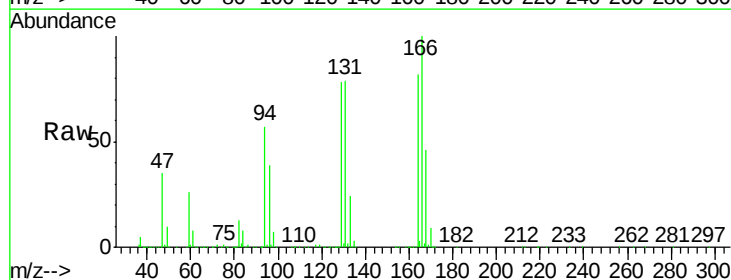
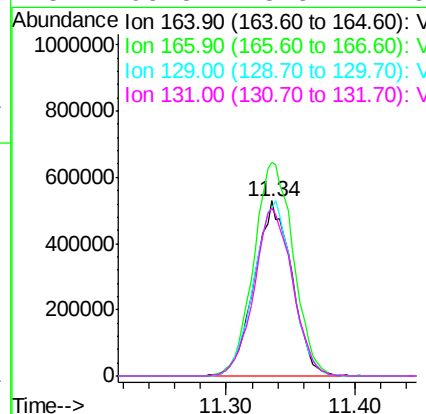
Ion Ratio Lower Upper

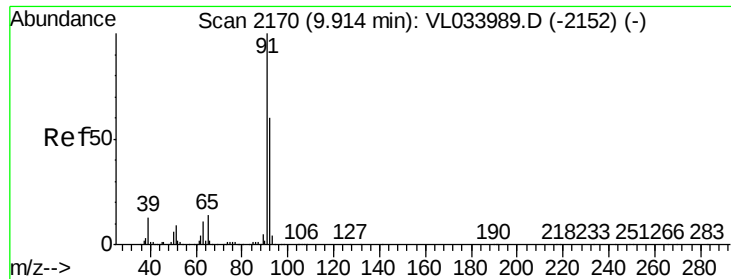
164 100

166 122.0 100.2 150.2

129 95.6 81.0 121.6

131 95.8 78.3 117.5





#53

Toluene

Concen: 12.013 ppbv

RT: 9.91 min Scan# 2169

Delta R.T. -0.00 min

Lab File: VL034010.D

Acq: 8 Jul 2019 13:19

Instrument :

MSVOA_L

ClientSampleId :

VL0708ABS01

Tot Ion: 91 Resp: 3192844

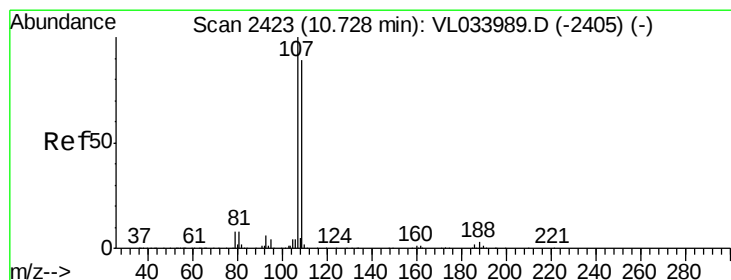
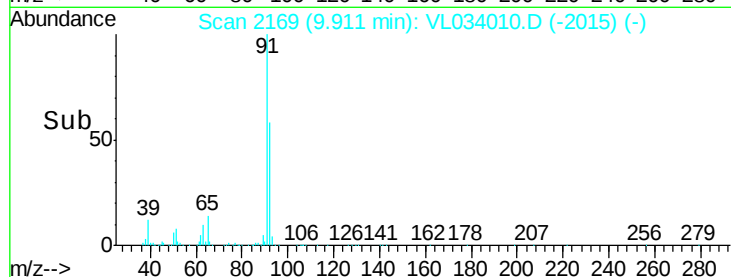
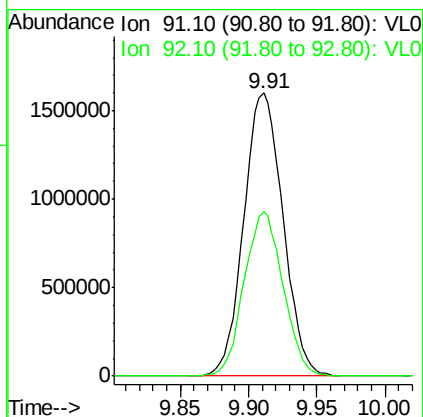
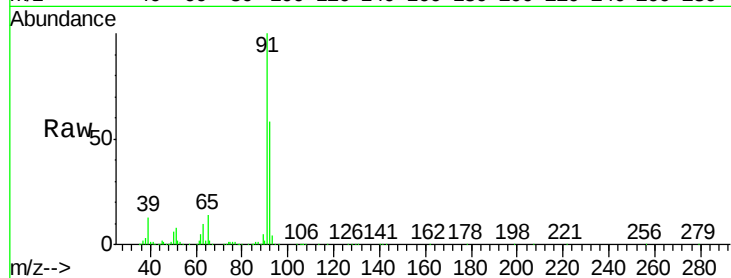
Ion Ratio Lower Upper

91 100

92 58.0 47.7 71.5

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#54

1,2-Dibromoethane

Concen: 10.952 ppbv

RT: 10.72 min Scan# 2421

Delta R.T. -0.01 min

Lab File: VL034010.D

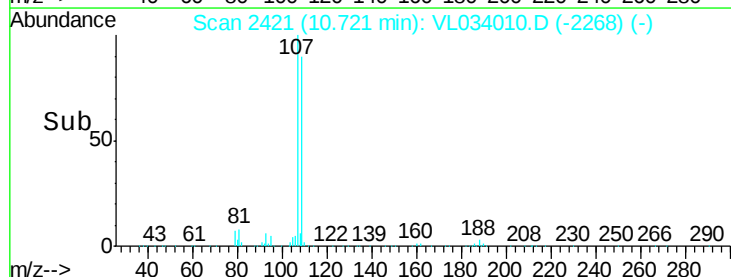
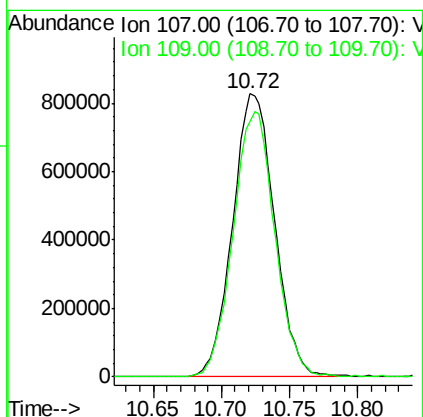
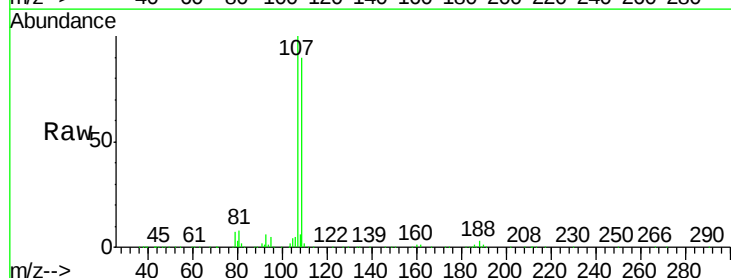
Acq: 8 Jul 2019 13:19

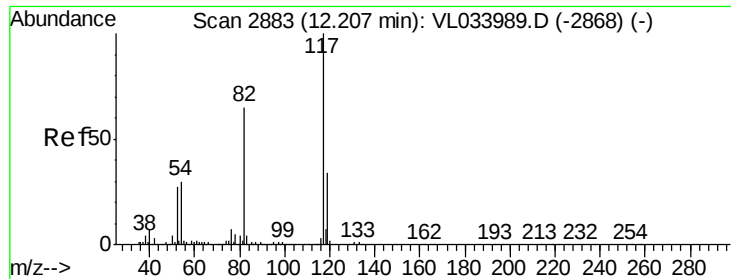
Tgt Ion: 107 Resp: 1754592

Ion Ratio Lower Upper

107 100

109 90.0 71.5 107.3





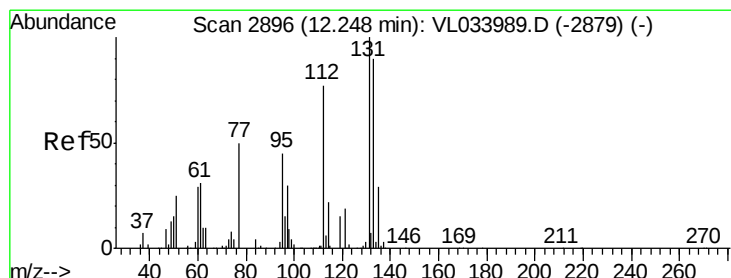
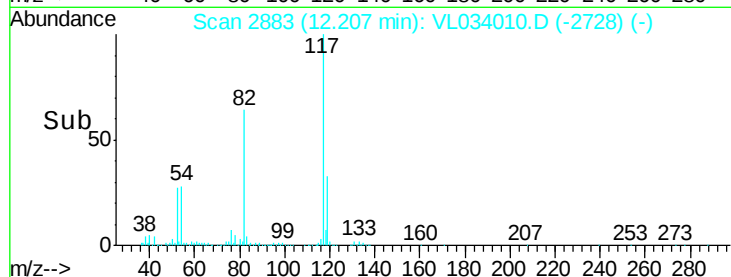
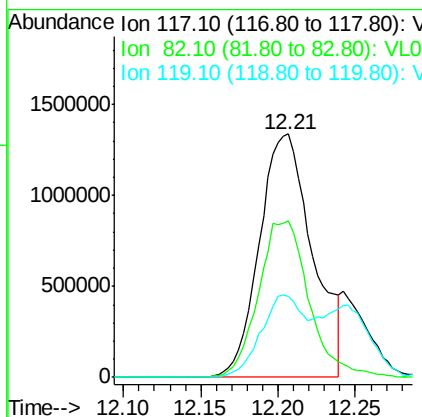
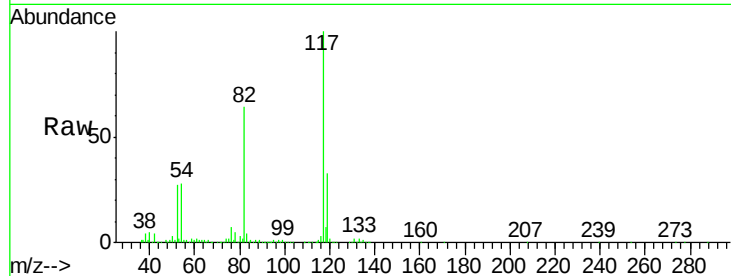
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.21 min Scan# 2883
Delta R.T. -0.00 min
Lab File: VL034010.D
Acq: 8 Jul 2019 13:19

Instrument :
MSVOA_L
ClientSampleId :
VL0708ABS01

Tot Ion:117 Resp: 3202686
Ion Ratio Lower Upper
117 100
82 61.6 50.8 76.2
119 30.8 24.0 36.0

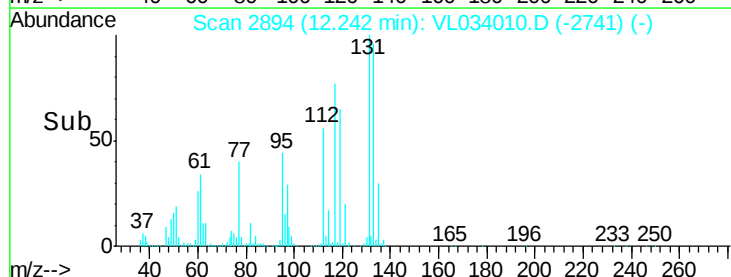
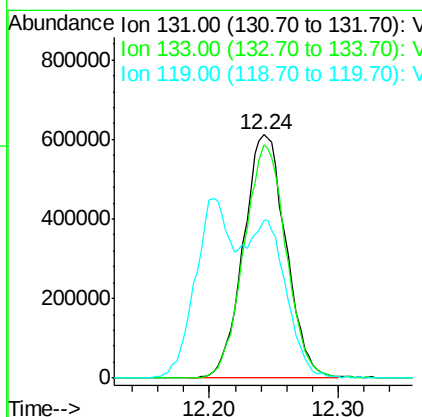
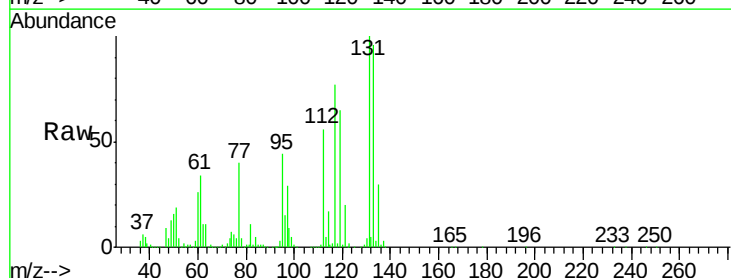
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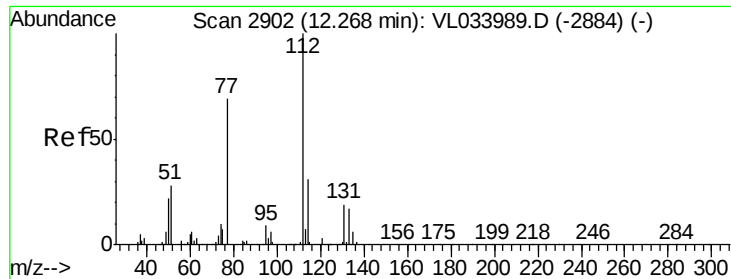
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.805 ppbv
RT: 12.24 min Scan# 2894
Delta R.T. -0.01 min
Lab File: VL034010.D
Acq: 8 Jul 2019 13:19

Tgt Ion:131 Resp: 1403518
Ion Ratio Lower Upper
131 100
133 95.2 76.2 114.2
119 52.8 43.1 64.7





#57

Chlorobenzene

Concen: 9.857 ppbv

RT: 12.26 min Scan# 2901

Delta R.T. -0.00 min

Lab File: VL034010.D

Acq: 8 Jul 2019 13:19

Instrument :

MSVOA_L

ClientSampleId :

VL0708ABS01

Tot Ion:112 Resp: 2513264

Ion Ratio Lower Upper

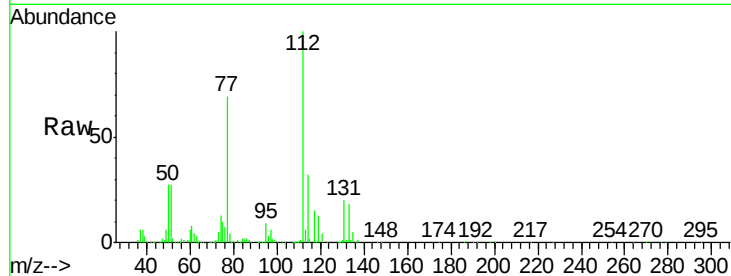
112 100

77 68.5 55.9 83.9

114 32.3 27.6 33.8

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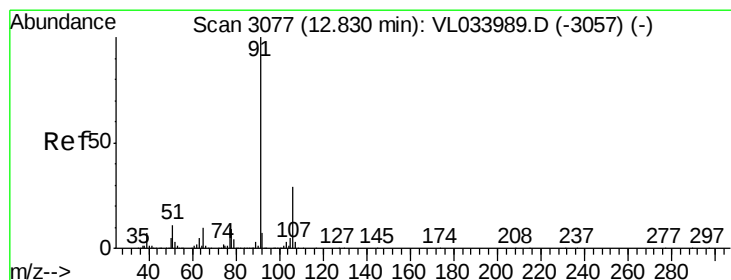
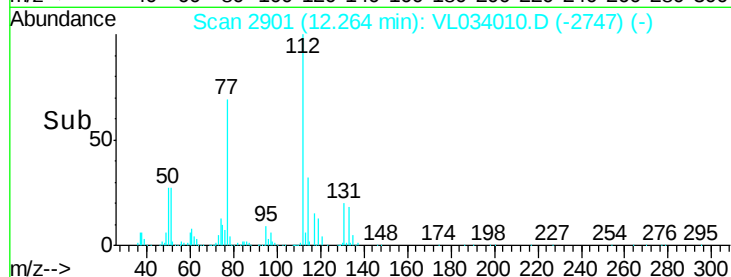
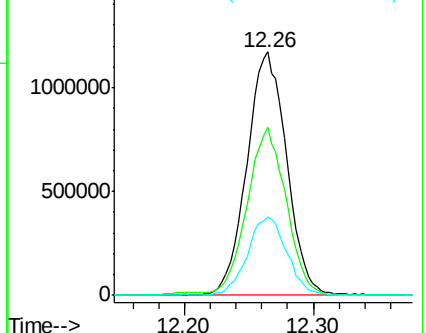
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 11.234 ppbv

RT: 12.83 min Scan# 3076

Delta R.T. -0.00 min

Lab File: VL034010.D

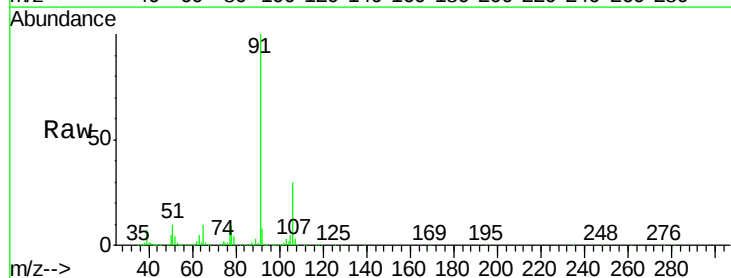
Acq: 8 Jul 2019 13:19

Tgt Ion: 91 Resp: 4326573

Ion Ratio Lower Upper

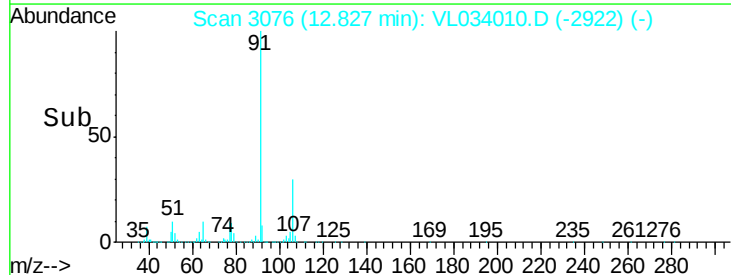
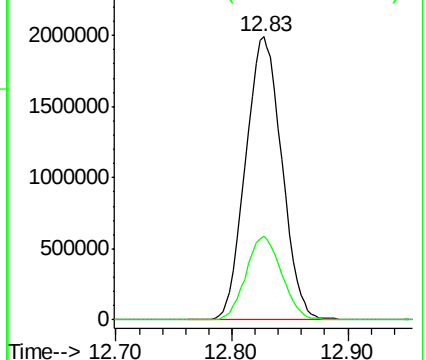
91 100

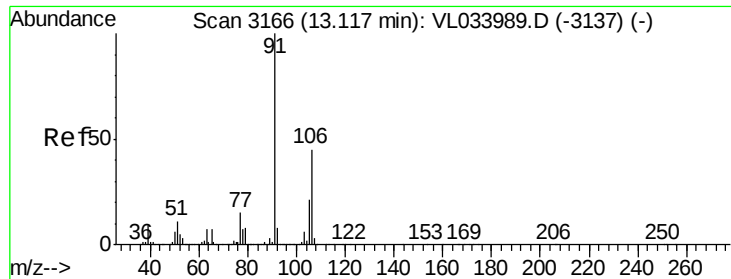
106 29.6 23.3 34.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





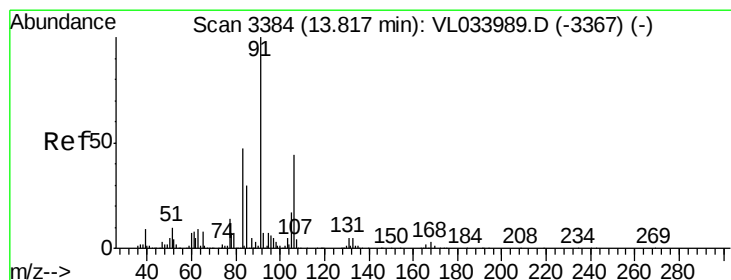
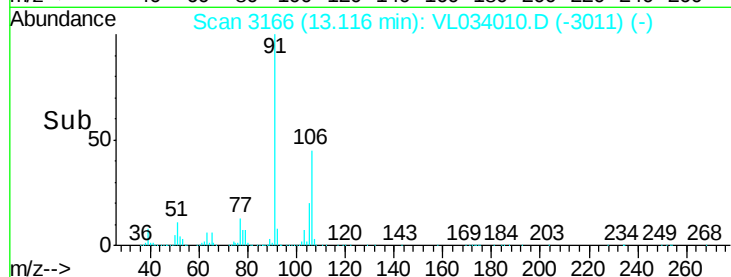
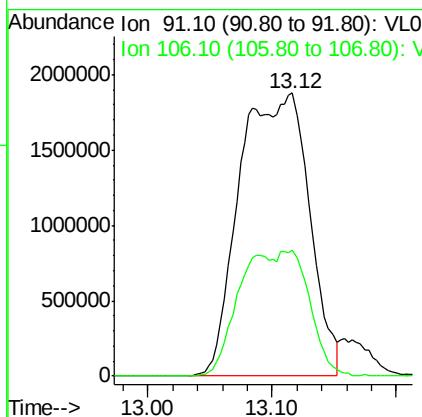
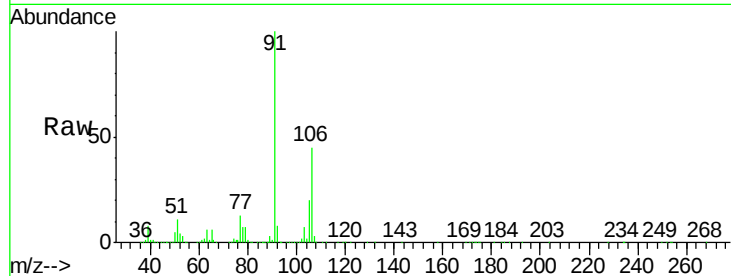
#59
m/p-Xylene
Concen: 20.858 ppbv m
RT: 13.12 min Scan# 3166
Delta R.T. -0.00 min
Lab File: VL034010.D
Acq: 8 Jul 2019 13:19

Instrument :
MSVOA_L
ClientSampleId :
VL0708ABS01

Tot Ion: 91 Resp: 7273787
Ion Ratio Lower Upper
91 100
106 44.6 35.7 53.5

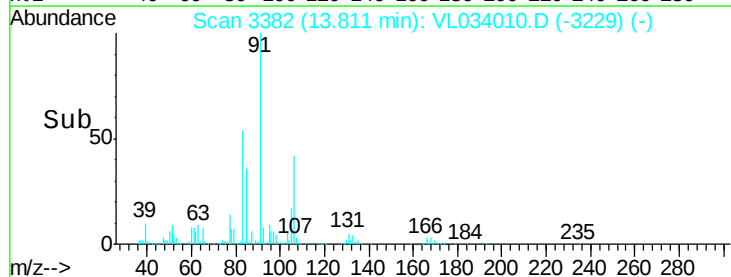
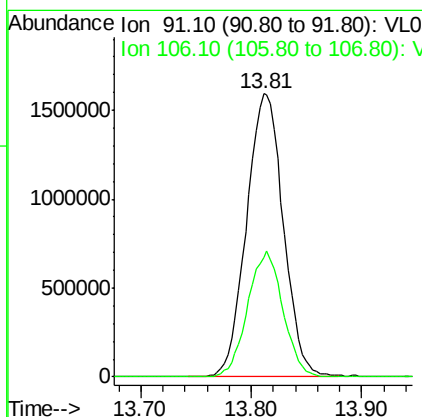
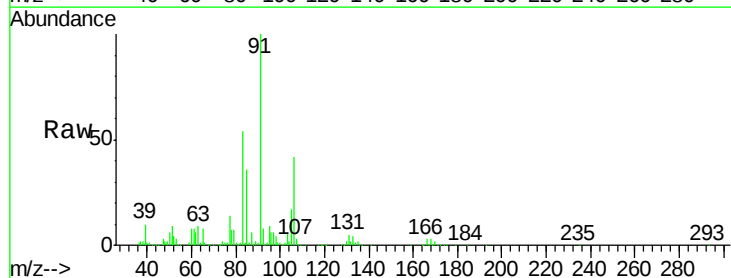
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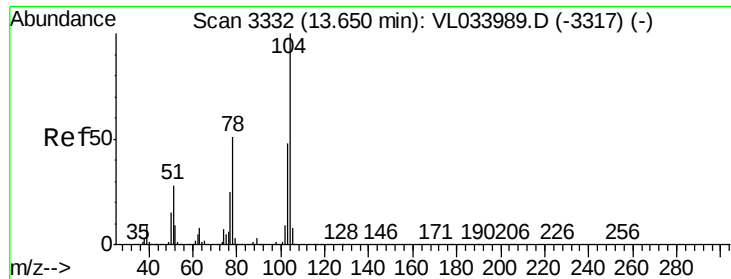
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#60
o-Xylene
Concen: 10.546 ppbv
RT: 13.81 min Scan# 3382
Delta R.T. -0.01 min
Lab File: VL034010.D
Acq: 8 Jul 2019 13:19

Tgt Ion: 91 Resp: 3679086
Ion Ratio Lower Upper
91 100
106 42.7 21.9 65.7





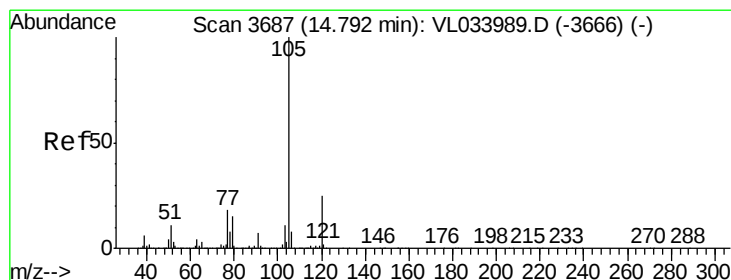
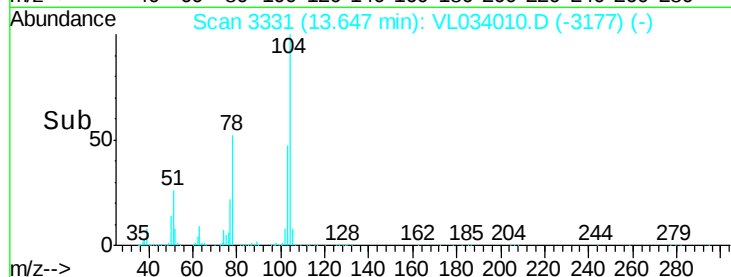
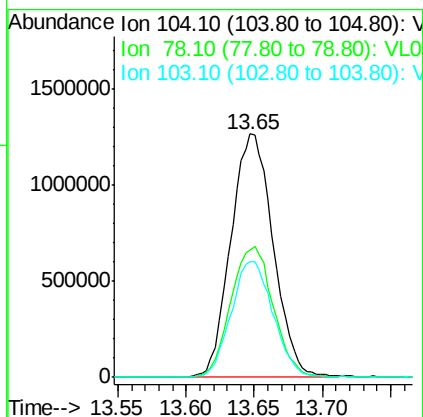
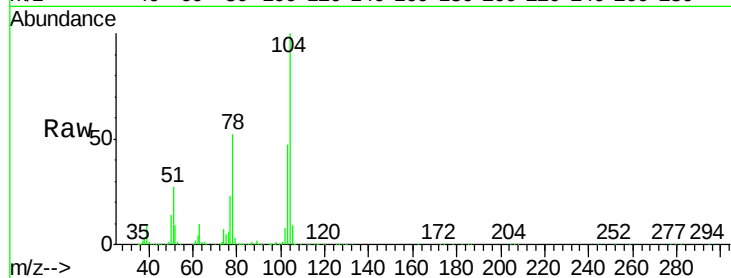
#61
Stvrene
Concen: 11.778 ppbv
RT: 13.65 min Scan# 3331
Delta R.T. -0.00 min
Lab File: VL034010.D
Acq: 8 Jul 2019 13:19

Instrument :
MSVOA_L
ClientSampleId :
VL0708ABS01

Tot Ion:104 Resp: 2719316
Ion Ratio Lower Upper
104 100
78 54.3 43.9 65.9
103 47.8 38.1 57.1

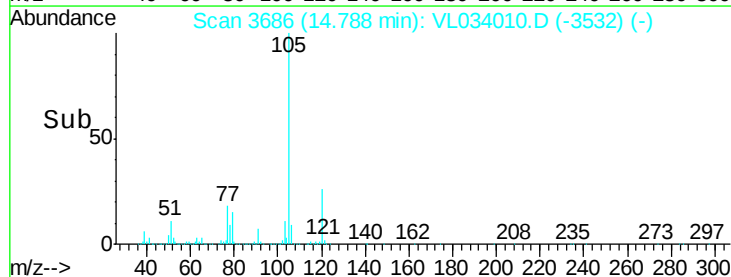
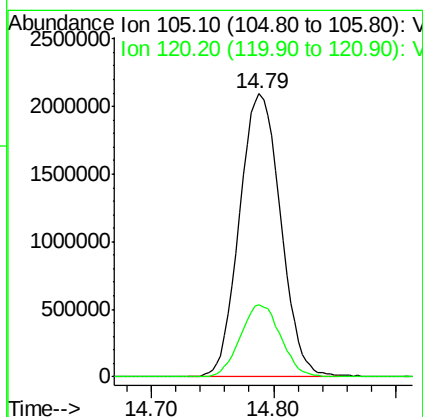
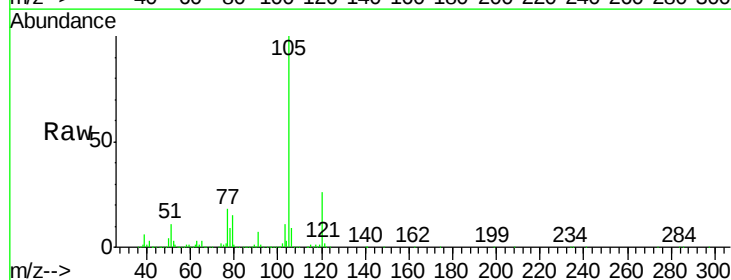
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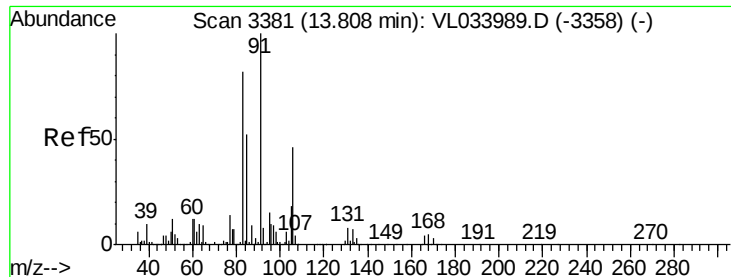
MMDadoda
7/10/2019 8:49:55 AM



#62
Isopropylbenzene
Concen: 9.112 ppbv
RT: 14.79 min Scan# 3686
Delta R.T. -0.00 min
Lab File: VL034010.D
Acq: 8 Jul 2019 13:19

Tgt Ion:105 Resp: 4886770
Ion Ratio Lower Upper
105 100
120 25.1 20.4 30.6





#63

1,1,2,2-Tetrachloroethane

Concen: 9.309 ppbv

RT: 13.80 min Scan# 3379

Delta R.T. -0.01 min

Lab File: VL034010.D

Acq: 8 Jul 2019 13:19

Instrument :

MSVOA_L

ClientSampleId :

VL0708ABS01

Tot Ion: 83 Resp: 2513842

Ion Ratio Lower Upper

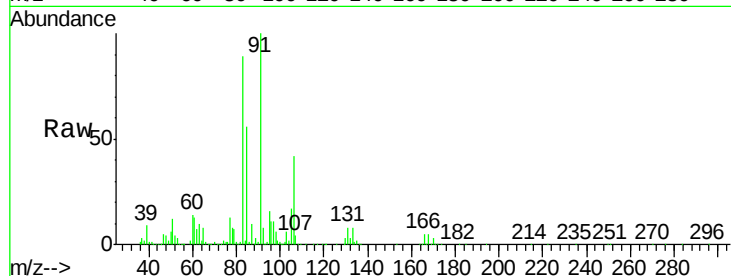
83 100

131 9.7 5.0 14.9

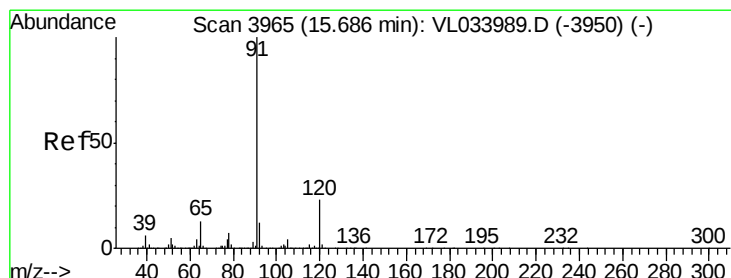
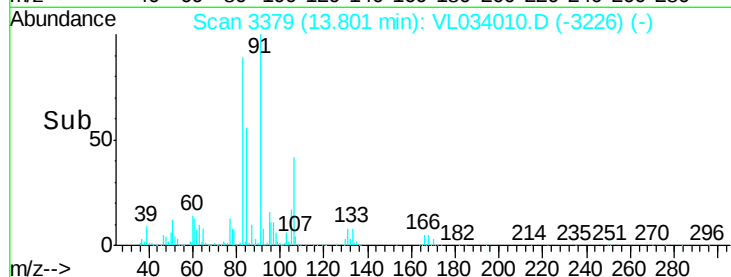
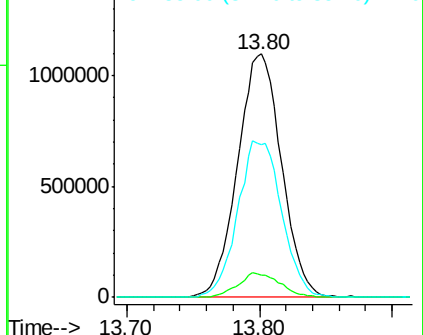
85 64.8 32.8 98.3

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Abundance Ion 83.00 (82.70 to 83.70): VL0
1500000
Ion 131.00 (130.70 to 131.70): V
Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 9.067 ppbv

RT: 15.68 min Scan# 3964

Delta R.T. -0.00 min

Lab File: VL034010.D

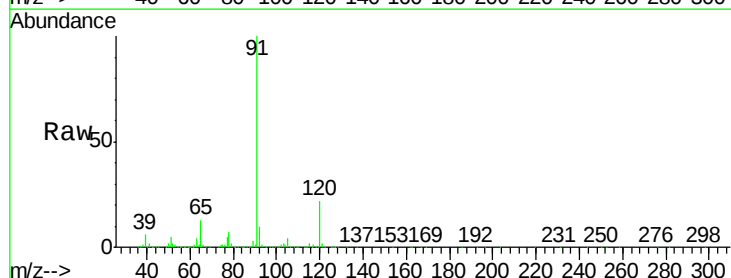
Acq: 8 Jul 2019 13:19

Tgt Ion:120 Resp: 1261011

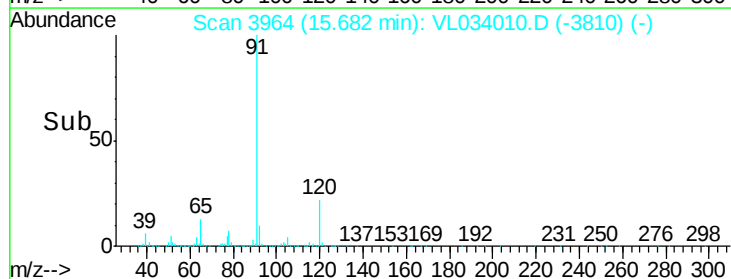
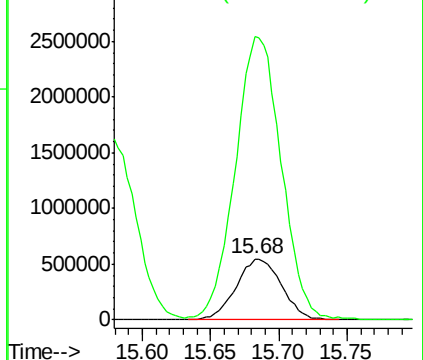
Ion Ratio Lower Upper

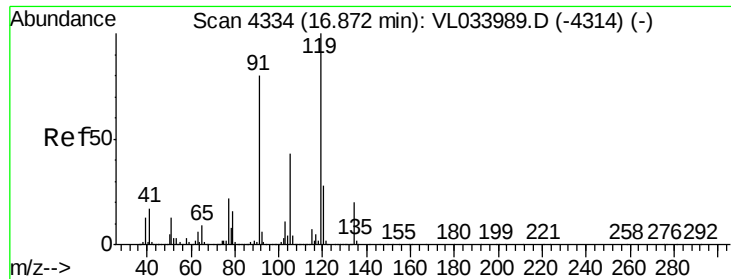
120 100

91 474.5 386.6 579.8



Abundance Ion 120.20 (119.90 to 120.90): V
3000000
Ion 91.10 (90.80 to 91.80): VL0





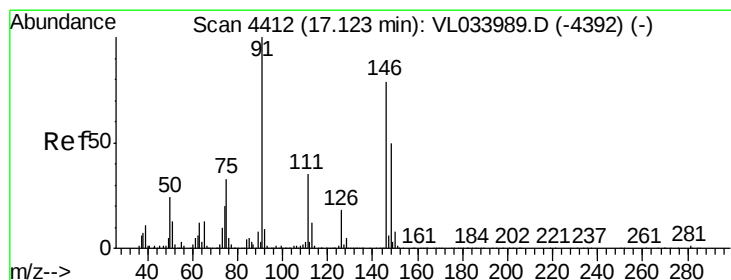
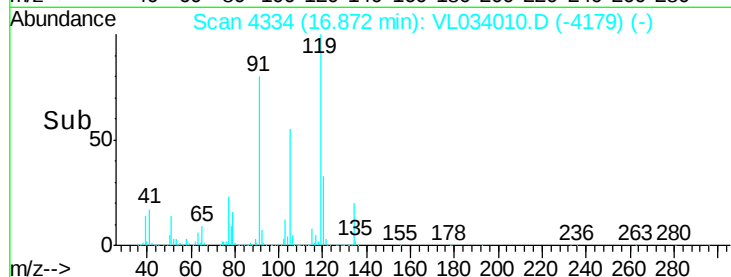
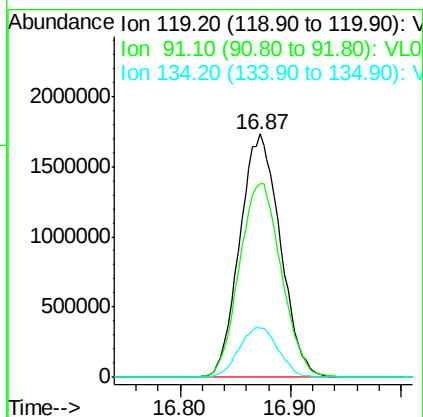
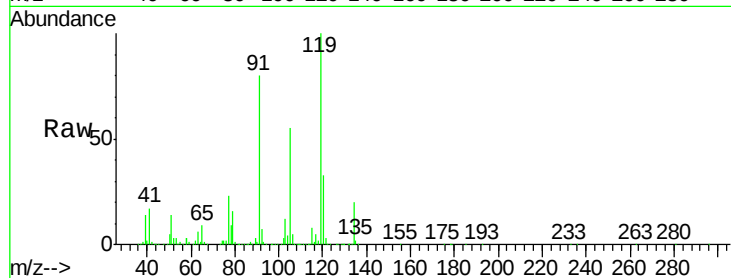
#65
tert-Butylbenzene
Concen: 9.663 ppbv
RT: 16.87 min Scan# 4334
Delta R.T. -0.00 min
Lab File: VL034010.D
Acq: 8 Jul 2019 13:19

Instrument :
MSVOA_L
ClientSampleId :
VL0708ABS01

Tot Ion:119 Resp: 4406890
Ion Ratio Lower Upper
119 100
91 82.8 67.0 100.6
134 19.9 15.8 23.6

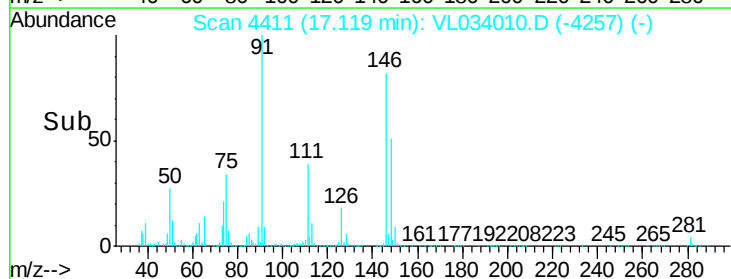
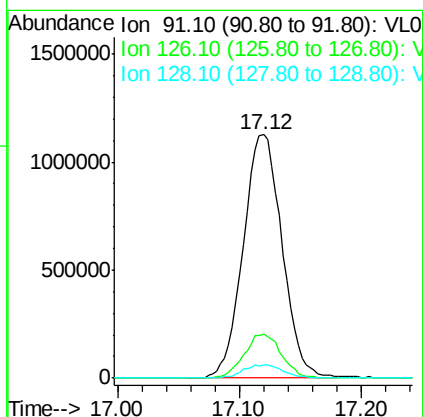
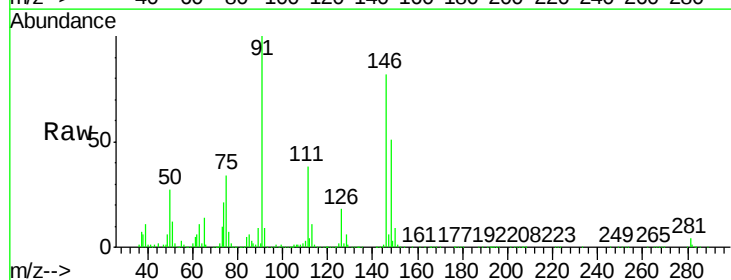
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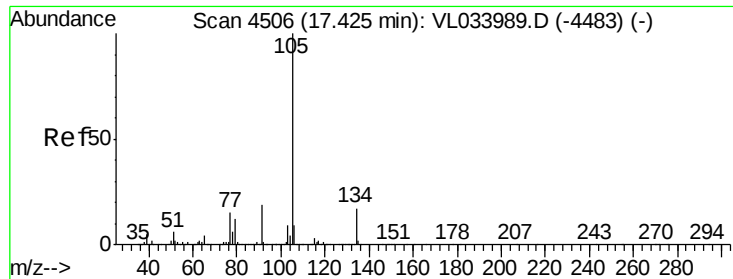
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#66
Benzyl Chloride
Concen: 10.612 ppbv
RT: 17.12 min Scan# 4411
Delta R.T. -0.00 min
Lab File: VL034010.D
Acq: 8 Jul 2019 13:19

Tgt Ion: 91 Resp: 2476180
Ion Ratio Lower Upper
91 100
126 17.6 13.9 20.9
128 5.7 4.6 7.0





#67

sec-Butylbenzene

Concen: 9.581 ppbv

RT: 17.42 min Scan# 4506

Delta R.T. -0.00 min

Lab File: VL034010.D

Acq: 8 Jul 2019 13:19

Instrument :

MSVOA_L

ClientSampleId :

VL0708ABS01

Tot Ion: 105 Resp: 6133150

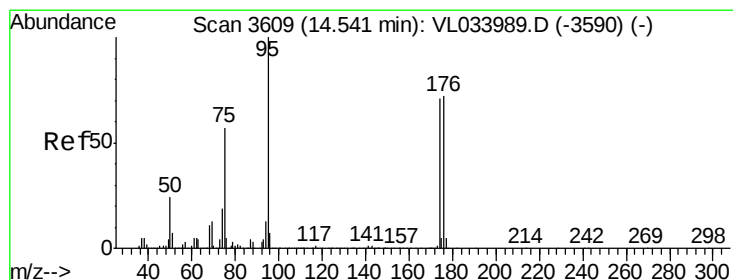
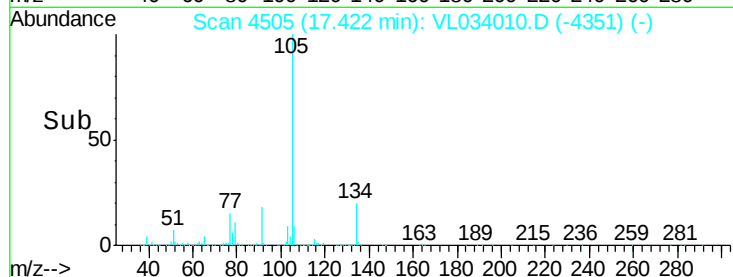
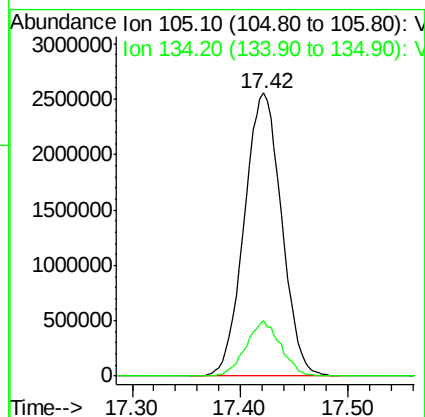
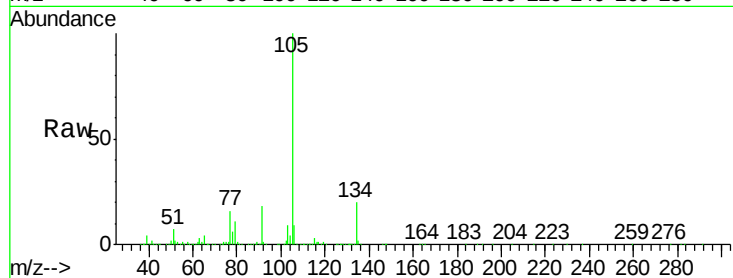
Ion Ratio Lower Upper

105 100

134 18.2 14.7 22.1

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#68

1-Bromo-4-Fluorobenzene

Concen: 8.762 ppbv

RT: 14.54 min Scan# 3609

Delta R.T. -0.00 min

Lab File: VL034010.D

Acq: 8 Jul 2019 13:19

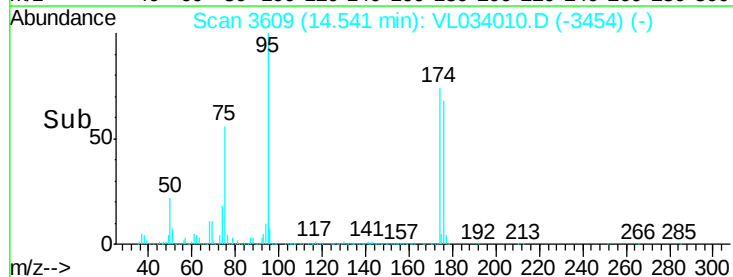
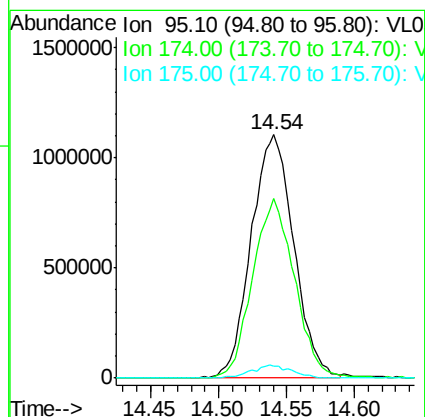
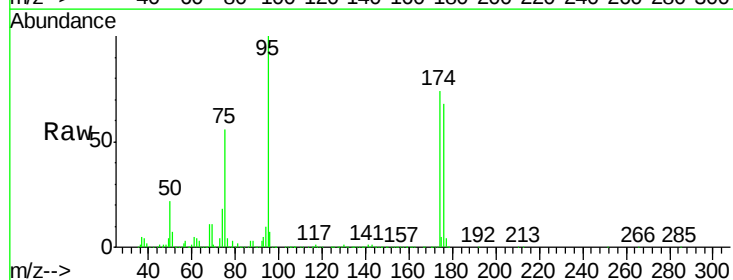
Tgt Ion: 95 Resp: 2393432

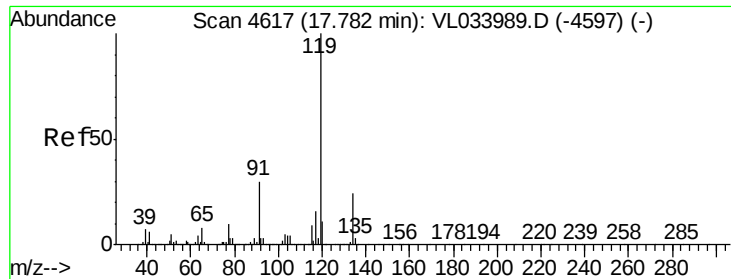
Ion Ratio Lower Upper

95 100

174 73.2 60.5 90.7

175 5.1 4.0 6.0





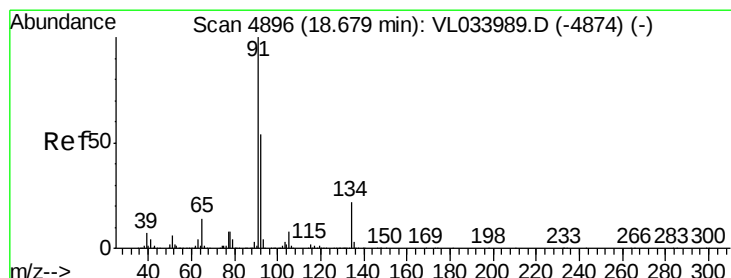
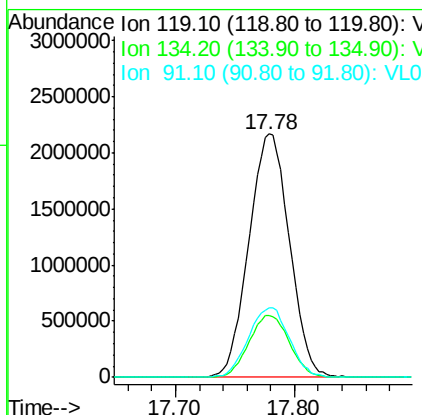
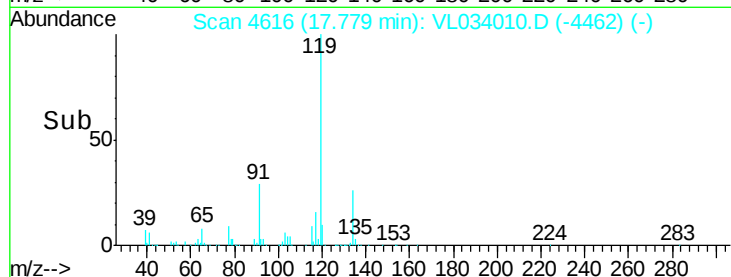
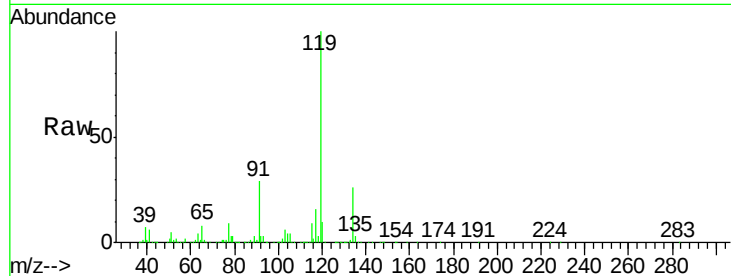
#69
 p-Isopropyltoluene
 Concen: 9.675 ppbv
 RT: 17.78 min Scan# 4616
 Delta R.T. -0.00 min
 Lab File: VL034010.D
 Acq: 8 Jul 2019 13:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0708ABS01

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.5	20.1	30.1
91	29.1	23.6	35.4

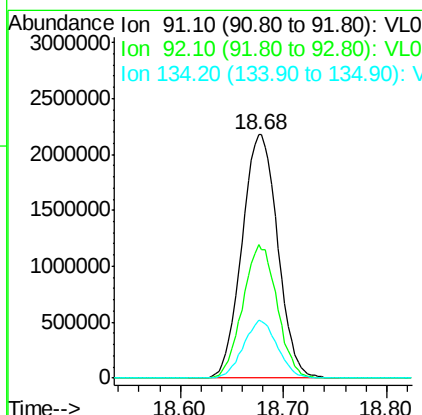
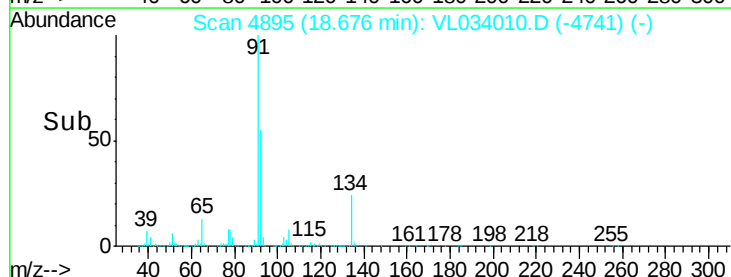
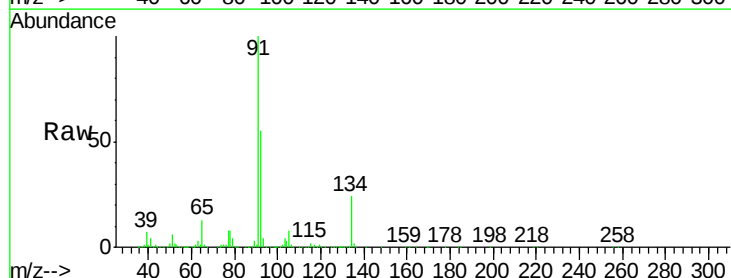
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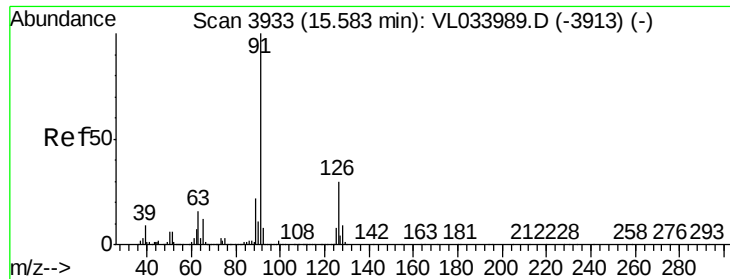
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#70
 n-Butylbenzene
 Concen: 9.435 ppbv
 RT: 18.68 min Scan# 4895
 Delta R.T. -0.00 min
 Lab File: VL034010.D
 Acq: 8 Jul 2019 13:19

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.8	42.0	63.0
134	22.6	17.9	26.9





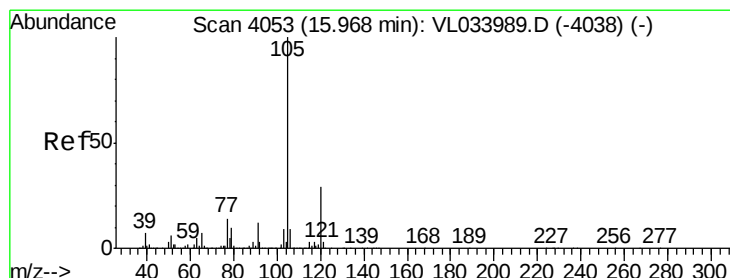
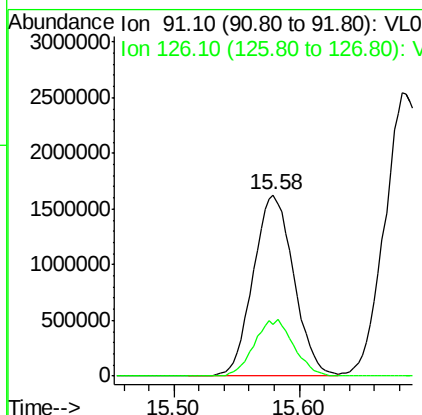
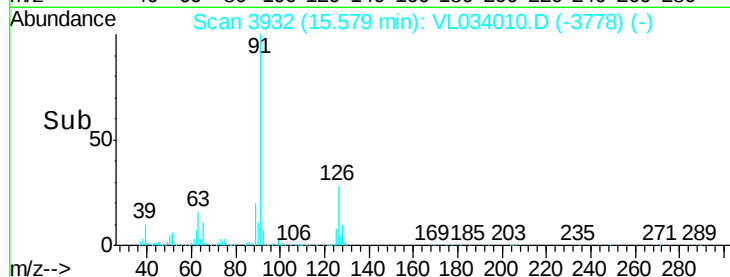
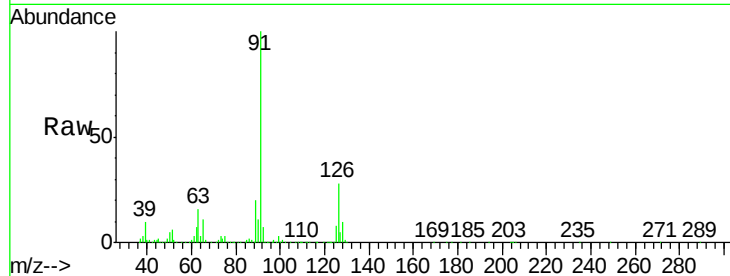
#71
 2-Chlorotoluene
 Concen: 9.312 ppbv
 RT: 15.58 min Scan# 3932
 Delta R.T. -0.00 min
 Lab File: VL034010.D
 Acq: 8 Jul 2019 13:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0708ABS01

Tot Ion: 91 Resp: 3654641
 Ion Ratio Lower Upper
 91 100
 126 30.8 12.3 49.3

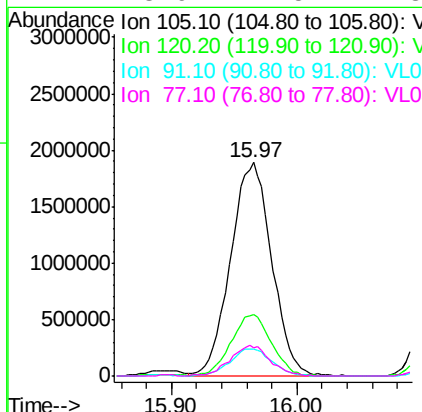
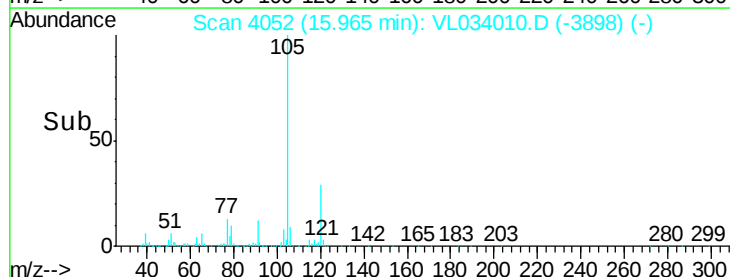
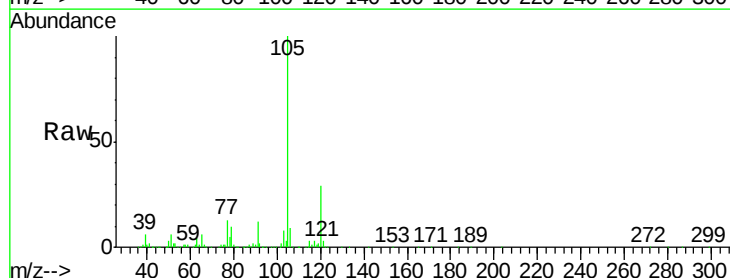
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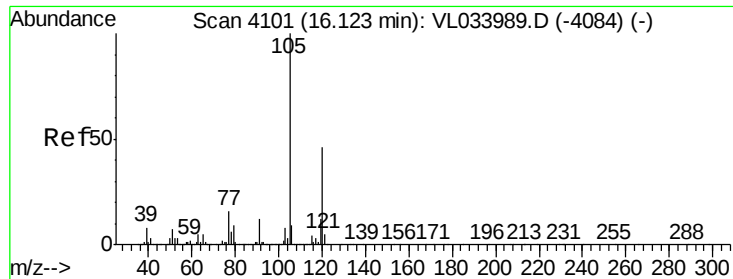
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#72
 4-Ethyltoluene
 Concen: 9.552 ppbv
 RT: 15.97 min Scan# 4052
 Delta R.T. -0.00 min
 Lab File: VL034010.D
 Acq: 8 Jul 2019 13:19

Tgt Ion: 105 Resp: 4279475
 Ion Ratio Lower Upper
 105 100
 120 28.7 24.1 36.1
 91 12.9 10.6 16.0
 77 13.9 11.5 17.3





#73

1,3,5-Trimethylbenzene

Concen: 9.761 ppbv

RT: 16.12 min Scan# 4101

Delta R.T. -0.00 min

Lab File: VL034010.D

Acq: 8 Jul 2019 13:19

Instrument :

MSVOA_L

ClientSampleId :

VL0708ABS01

Tot Ion:105 Resp: 4068787

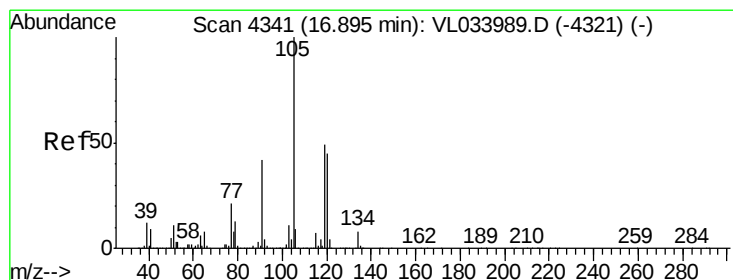
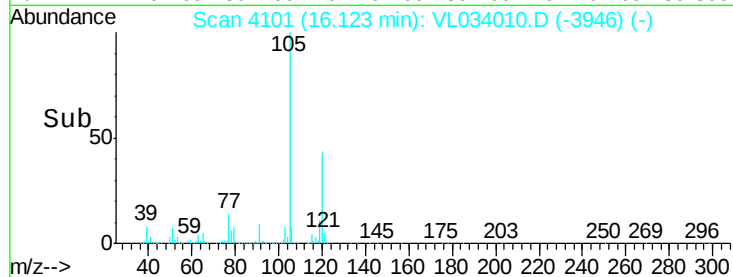
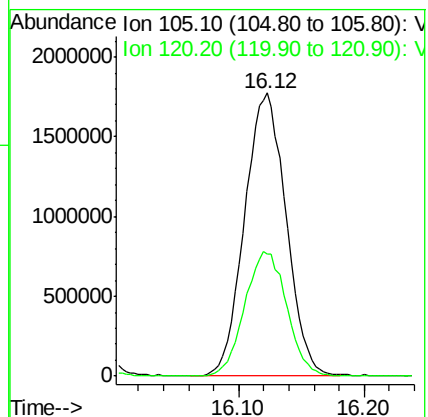
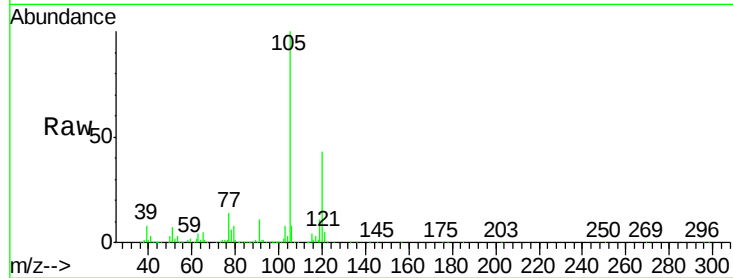
Ion Ratio Lower Upper

105 100

120 43.2 36.4 54.6

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#74

1,2,4-Trimethylbenzene

Concen: 9.262 ppbv

RT: 16.89 min Scan# 4339

Delta R.T. -0.01 min

Lab File: VL034010.D

Acq: 8 Jul 2019 13:19

Tgt Ion:105 Resp: 4276032

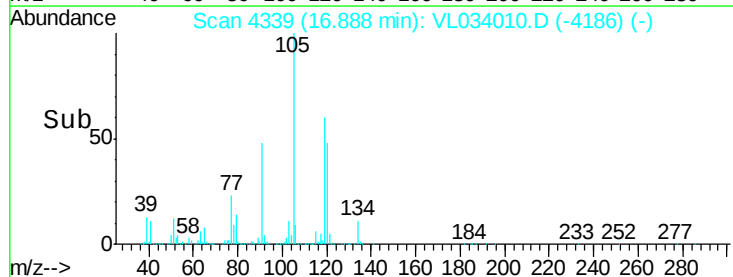
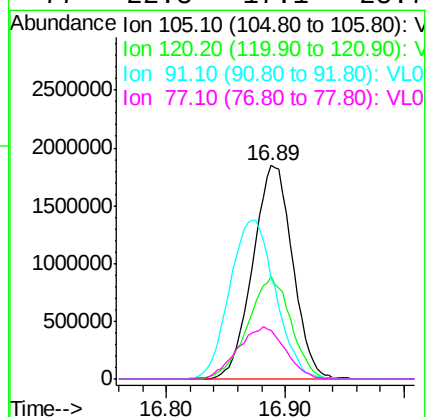
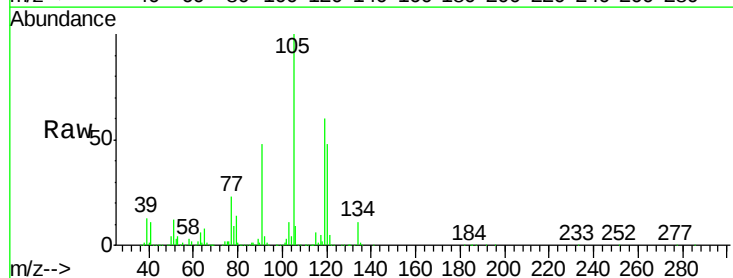
Ion Ratio Lower Upper

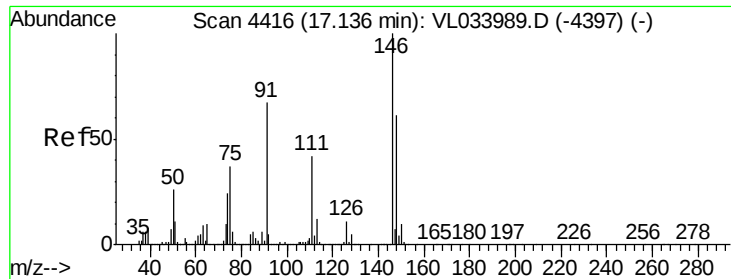
105 100

120 47.8 36.2 54.2

91 47.4 34.3 51.5

77 22.8 17.1 25.7





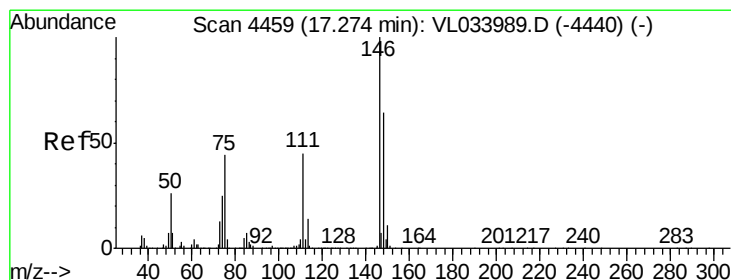
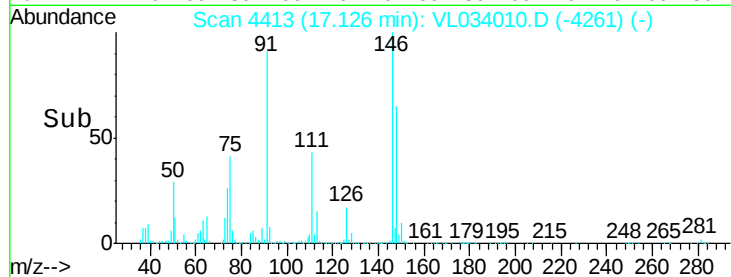
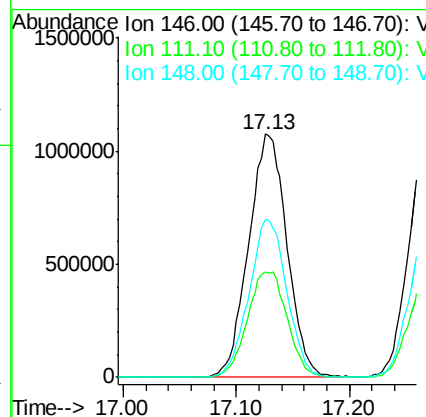
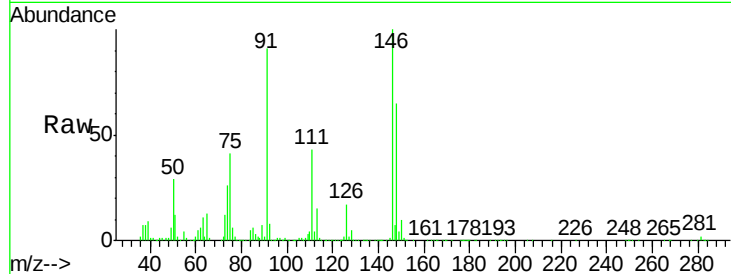
#75
 1,3-Dichlorobenzene
 Concen: 8.630 ppbv
 RT: 17.13 min Scan# 4413
 Delta R.T. -0.01 min
 Lab File: VL034010.D
 Acq: 8 Jul 2019 13:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0708ABS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.1	22.3	66.9
148	63.9	32.0	96.2

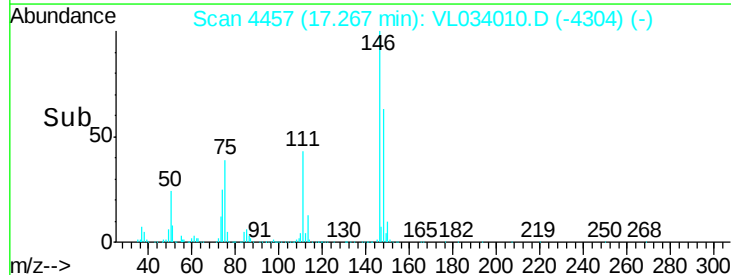
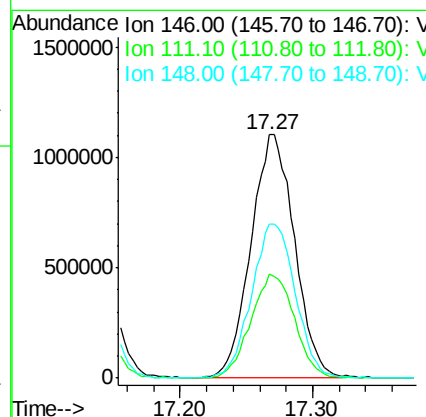
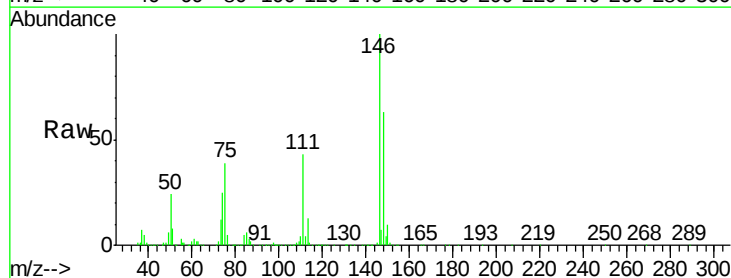
Manual Integrations
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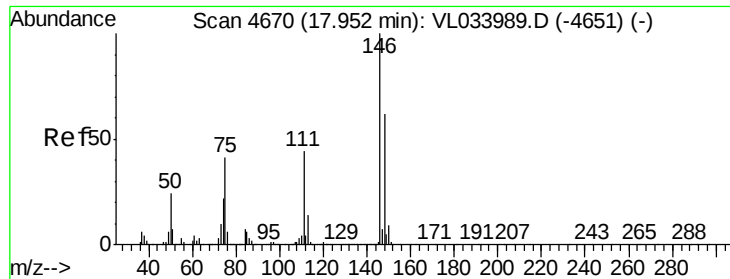
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#76
 1,4-Dichlorobenzene
 Concen: 9.116 ppbv
 RT: 17.27 min Scan# 4457
 Delta R.T. -0.01 min
 Lab File: VL034010.D
 Acq: 8 Jul 2019 13:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.1	21.9	65.5
148	64.4	32.5	97.5





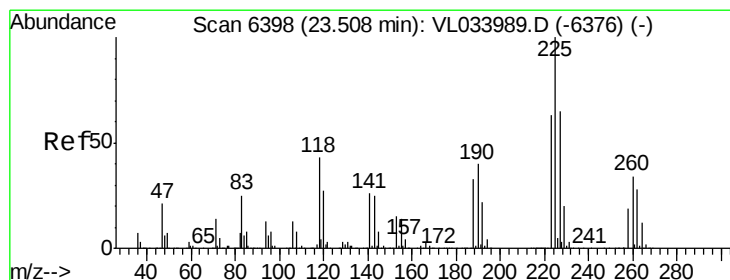
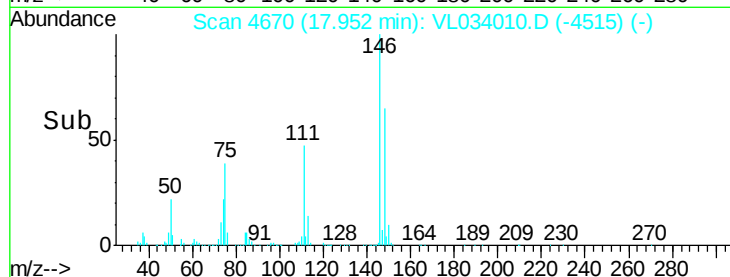
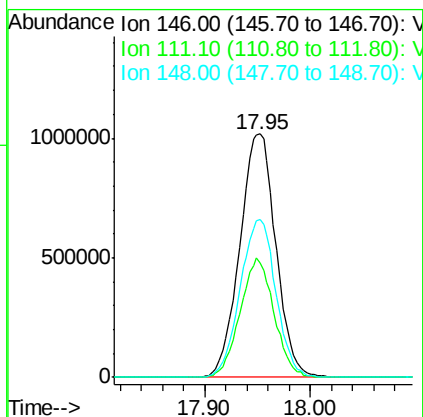
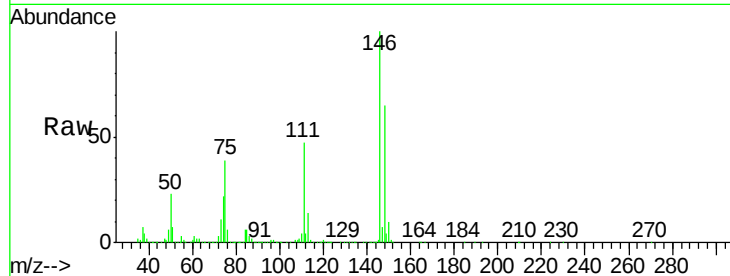
#77
 1,2-Dichlorobenzene
 Concen: 8.893 ppbv
 RT: 17.95 min Scan# 4670
 Delta R.T. -0.00 min
 Lab File: VL034010.D
 Acq: 8 Jul 2019 13:19

Instrument :
 MSVOA_L
 ClientSampled :
 VL0708ABS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.2	22.7	68.1
148	64.6	32.1	96.3

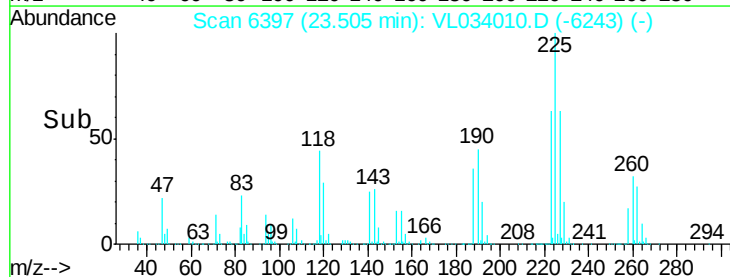
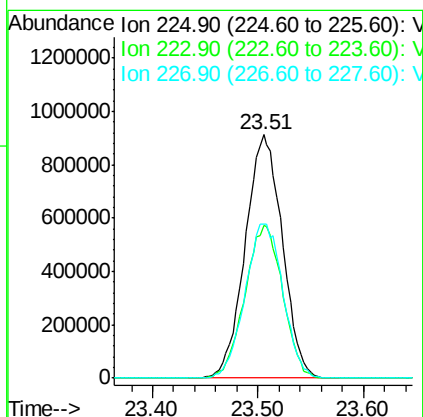
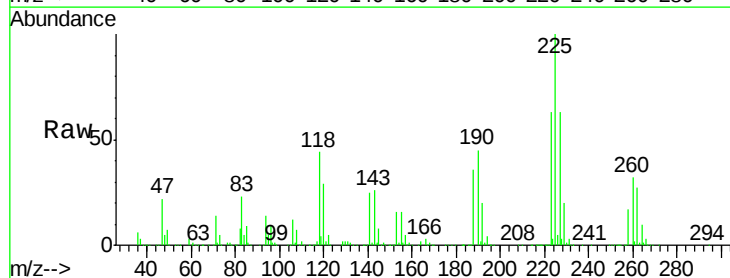
Manual Integrations
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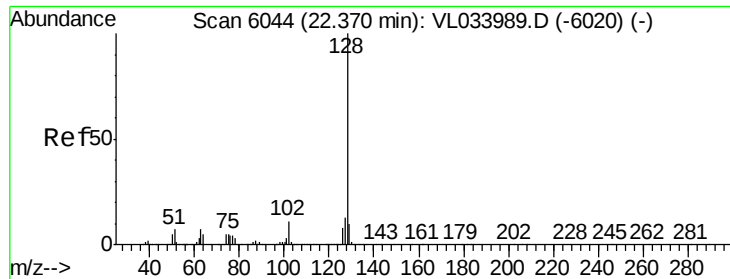
MMDadoda
 7/10/2019 8:49:55 AM



#78
 Hexachloro-1,3-Butadiene
 Concen: 9.643 ppbv
 RT: 23.51 min Scan# 6397
 Delta R.T. -0.00 min
 Lab File: VL034010.D
 Acq: 8 Jul 2019 13:19

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.0	51.5	77.3
227	64.9	52.1	78.1





#79

Naphthalene

Concen: 10.153 ppbv

RT: 22.36 min Scan# 6041

Delta R.T. -0.01 min

Lab File: VL034010.D

Acq: 8 Jul 2019 13:19

Instrument :

MSVOA_L

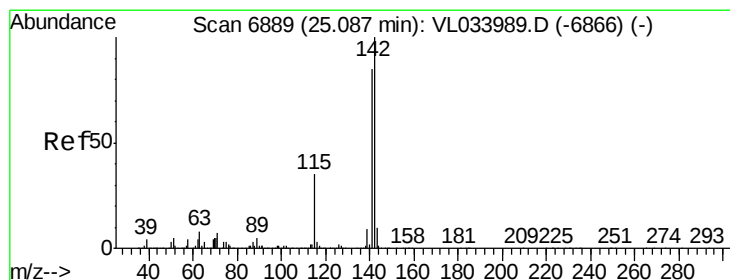
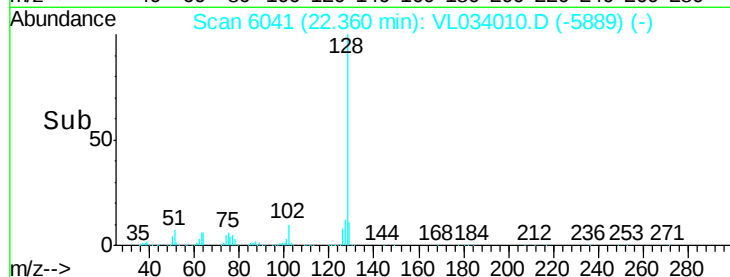
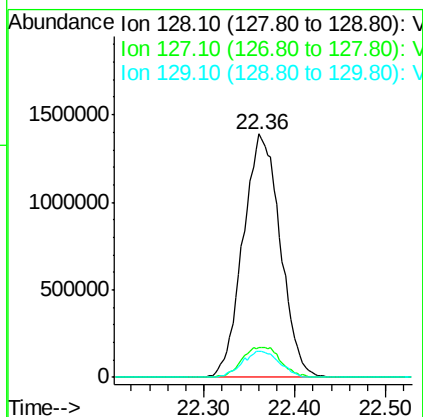
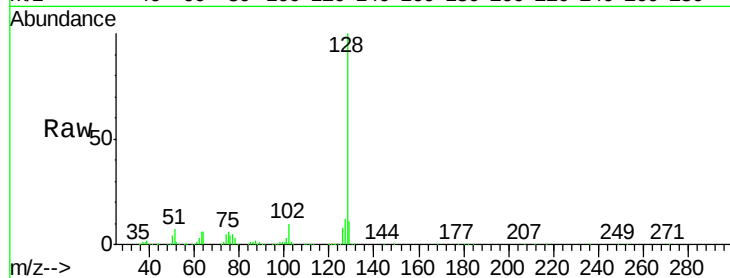
ClientSampleId :

VL0708ABS01

Tot Ion:	128	Resp:	3940966
Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.6	15.8
129	10.9	8.3	12.5

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#80

Naphthalene, 2-methyl-

Concen: 14.192 ppbv

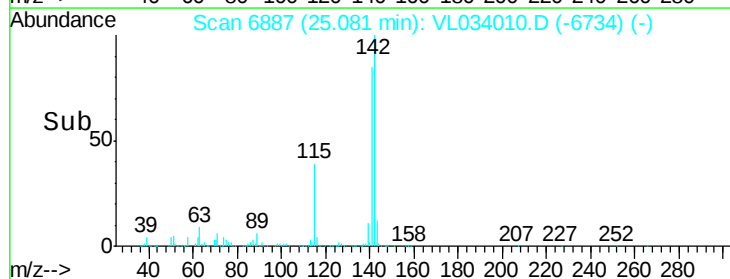
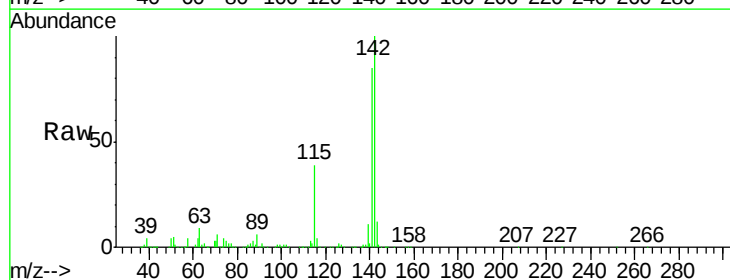
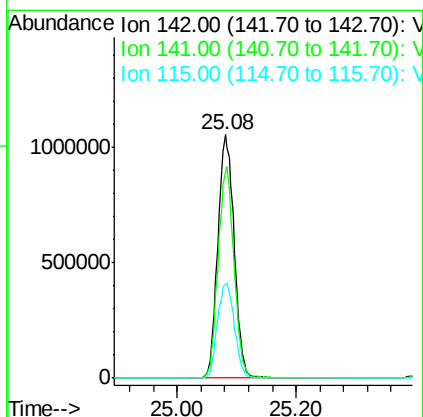
RT: 25.08 min Scan# 6887

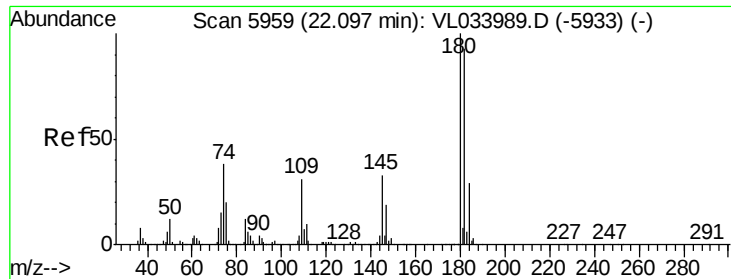
Delta R.T. -0.01 min

Lab File: VL034010.D

Acq: 8 Jul 2019 13:19

Tgt Ion:	142	Resp:	2004611
Ion	Ratio	Lower	Upper
142	100		
141	84.4	68.2	102.2
115	40.4	29.9	44.9





#81
 1,2,4-Trichlorobenzene
 Concen: 9.356 ppbv
 RT: 22.09 min Scan# 5957
 Delta R.T. -0.01 min
 Lab File: VL034010.D
 Acq: 8 Jul 2019 13:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0708ABS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.6	76.6	114.8
184	31.1	24.6	36.8

Manual Integrations
 APPROVED

MMDadoda
 7/10/2019 8:49:55 AM

