

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL021319\
 Data File : VL033187.D
 Acq On : 13 Feb 2019 14:31
 Operator : SY/AP
 Sample : VL0213ABS01
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0213ABS01

Manual Integrations
 APPROVED

MMDadoda
 2/20/2019 12:23:31 PM

Quant Time: Feb 20 07:18:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL020519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Feb 20 07:18:44 2019
 QLast Update : Wed Feb 20 06:00:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	892991	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	2101752	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	2607001m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1902188	9.36	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.60%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.08	85	1566558	9.176	ppbv	97
3) Chlorodifluoromethane	3.01	51	971218	9.033	ppbv	99
4) Chloromethane	3.17	50	513580	9.046	ppbv	98
5) Vinyl Chloride	3.29	62	489775	8.262	ppbv	97
6) Bromomethane	3.52	94	303391	9.311	ppbv	97
7) Chloroethane	3.60	64	182516	9.417	ppbv	97
8) Dichlorotetrafluoroethane	3.22	85	1166205	8.734	ppbv	99
9) Propene	3.04	41	456349	8.786	ppbv	98
10) Heptane	8.25	43	1444201	9.191	ppbv	100
11) Trichlorofluoromethane	4.01	101	1335079	9.659	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.55	101	903380	9.431	ppbv	99
13) Ethanol	3.65	45	93598m	5.302	ppbv	
14) Bromoethene	3.79	108	397663	9.628	ppbv	98
15) Acetone	3.90	43	889802	8.844	ppbv	100
16) 1,3-Butadiene	3.36	39	424734	8.894	ppbv	98
17) tert-Butyl alcohol	4.36	59	205649	10.641	ppbv	98
18) 1,1-Dichloroethene	4.35	96	414198	9.660	ppbv	95
19) Isopropyl Alcohol	4.02	45	627705	9.199	ppbv	100
20) Methylene Chloride	4.41	84	360296	9.003	ppbv	97
21) Allyl Chloride	4.48	41	663293	9.985	ppbv	100
22) trans-1,2-Dichloroethene	4.97	96	416942	10.012	ppbv	94
23) Vinyl Acetate	5.16	43	1715544	9.839	ppbv	99
24) 1,1-Dichloroethane	5.09	63	1185712	9.614	ppbv	99
25) Ethyl Acetate	5.77	43	2049110	9.058	ppbv	100
26) Hexane	5.78	57	940369	8.855	ppbv	99
27) Carbon Disulfide	4.62	76	1032101	10.609	ppbv	100
28) Methyl tert-Butyl Ether	5.11	73	1414901	9.750	ppbv	100
29) Chloroform	5.85	83	1494446	9.183	ppbv	99
30) Cyclohexane	7.25	84	787963	7.997	ppbv	99
31) cis-1,2-Dichloroethene	5.64	61	981736	9.237	ppbv	98
32) 1,1,1-Trichloroethane	6.62	97	1445216	8.065	ppbv	99
34) 2-Butanone	5.33	43	1391428	10.437	ppbv	99
35) Carbon Tetrachloride	7.14	117	1494607	9.311	ppbv	97
36) Benzene	7.01	78	1952252	9.165	ppbv	98
37) 1,2-Dichloroethane	6.42	62	1143871	9.690	ppbv	100
38) Trichloroethene	7.97	130	710714	7.808	ppbv	95
39) 1,2-Dichloropropane	7.74	63	762522	9.064	ppbv	97
40) 1,4-Dioxane	7.96	88	252201	8.444	ppbv	98
41) Tetrahydrofuran	6.15	42	798208	9.685	ppbv	100
42) Bromodichloromethane	7.92	83	1621845	9.481	ppbv	97
43) Methyl Methacrylate	8.15	69	827226m	9.673	ppbv	

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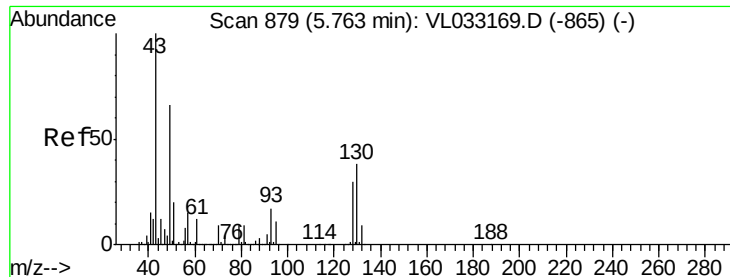
Manual Integrations
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Quant Time: Feb 20 07:18:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL020519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Feb 20 07:18:44 2019
 QLast Update : Wed Feb 20 06:00:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	3151134	8.730	ppbv	100
45) t-1,3-Dichloropropene	9.42	75	1244395	13.141	ppbv	98
46) cis-1,3-Dichloropropene	8.84	75	1376294	11.373	ppbv	98
47) 1,1,2-Trichloroethane	9.62	97	920389	10.550	ppbv	97
48) Dibromochloromethane	10.46	129	1631296	11.869	ppbv	98
49) Bromoform	13.21	173	1402845	11.862	ppbv	100
50) 4-Methyl-2-Pentanone	8.87	43	2259460	10.569	ppbv	99
51) 2-Hexanone	10.27	43	1880823	11.159	ppbv #	99
52) Tetrachloroethene	11.38	164	809906	9.897	ppbv	97
53) Toluene	9.95	91	2683100	10.638	ppbv	99
54) 1,2-Dibromoethane	10.77	107	1479366	10.806	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.29	131	1113224	9.168	ppbv	96
57) Chlorobenzene	12.31	112	1930416	8.368	ppbv	99
58) Ethyl Benzene	12.87	91	3651112	8.532	ppbv	99
59) m/p-Xylene	13.15	91	5994732m	16.841	ppbv	
60) o-Xylene	13.86	91	2907126	8.375	ppbv	99
61) Styrene	13.69	104	2248261	8.580	ppbv	99
62) Isopropylbenzene	14.83	105	4098248	8.368	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.84	83	2005230	7.400	ppbv	100
64) n-propylbenzene	15.73	120	1052688	8.455	ppbv	99
65) tert-Butylbenzene	16.91	119	3536137	8.292	ppbv	99
66) Benzyl Chloride	17.16	91	1842029	12.087	ppbv	99
67) sec-Butylbenzene	17.46	105	5107526	8.250	ppbv	99
69) p-Isopropyltoluene	17.82	119	4260823	8.264	ppbv	99
70) n-Butylbenzene	18.72	91	4517539	8.122	ppbv	100
71) 2-Chlorotoluene	15.62	91	3197561	8.311	ppbv	100
72) 4-Ethyltoluene	16.00	105	3399981	8.493	ppbv	99
73) 1,3,5-Trimethylbenzene	16.16	105	3265691	8.530	ppbv	98
74) 1,2,4-Trimethylbenzene	16.94	105	3242941	8.166	ppbv	98
75) 1,3-Dichlorobenzene	17.17	146	1873280	8.179	ppbv	100
76) 1,4-Dichlorobenzene	17.32	146	1916358	8.445	ppbv	100
77) 1,2-Dichlorobenzene	17.99	146	1900997	8.399	ppbv	100
78) Hexachloro-1,3-Butadiene	23.55	225	930826	8.271	ppbv	99
79) Naphthalene	22.42	128	3593103	8.420	ppbv	98
80) Naphthalene,2-methyl-	25.12	142	1417576	6.567	ppbv	99
81) 1,2,4-Trichlorobenzene	22.14	180	1773246	8.180	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.77 min Scan# 880

Delta R.T. 0.00 min

Lab File: VL033187.D

Acq: 13 Feb 2019 14:31

Instrument :

MSVOA_L

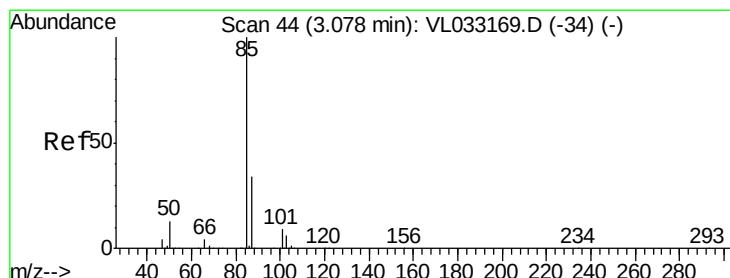
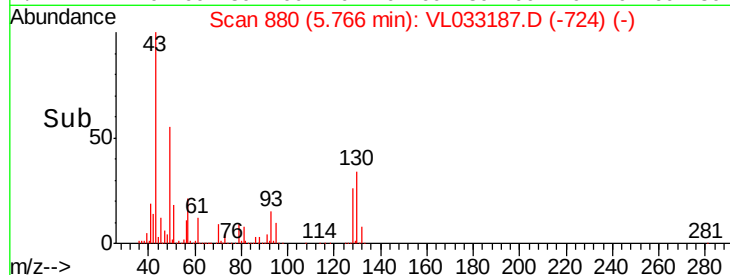
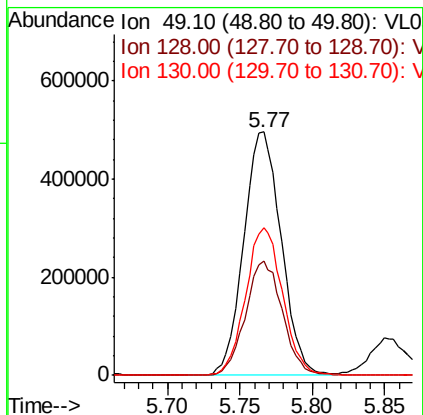
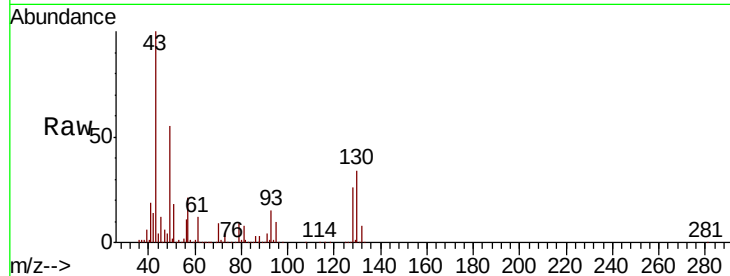
ClientSampleId :

VL0213ABS01

Tgt Ion:	49	Resp:	892991
Ion Ratio	Lower	Upper	
49	100		
128	46.5	23.6	71.0
130	60.1	30.3	91.0

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#2

Dichlorodifluoromethane

Concen: 9.176 ppbv

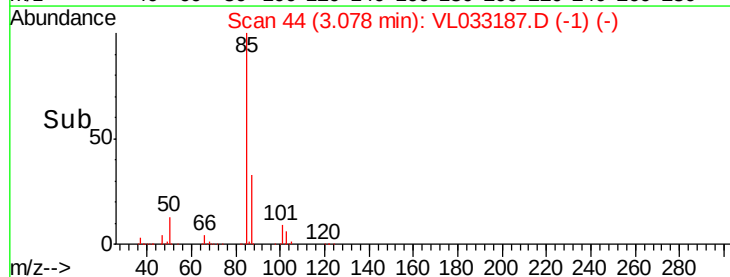
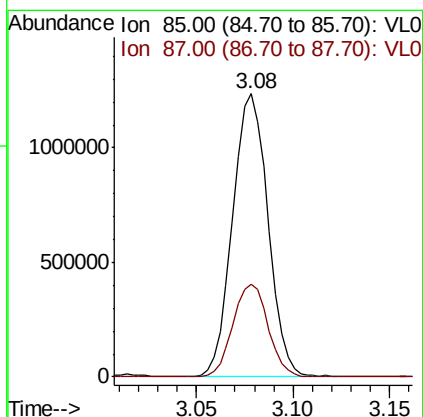
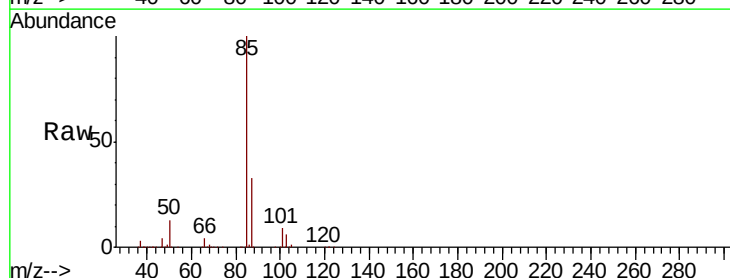
RT: 3.08 min Scan# 44

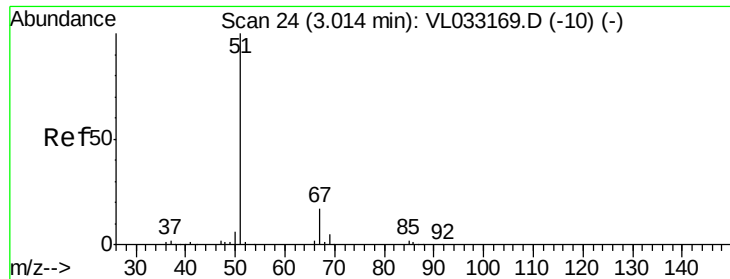
Delta R.T. -0.00 min

Lab File: VL033187.D

Acq: 13 Feb 2019 14:31

Tgt Ion:	85	Resp:	1566558
Ion Ratio	Lower	Upper	
85	100		
87	32.6	27.4	41.2





#3

Chlorodifluoromethane

Concen: 9.033 ppbv

RT: 3.01 min Scan# 24

Delta R.T. -0.00 min

Lab File: VL033187.D

Acq: 13 Feb 2019 14:31

Instrument :

MSVOA_L

ClientSampleId :

VL0213ABS01

Tgt Ion: 51 Resp: 971218

Ion Ratio Lower Upper

51 100

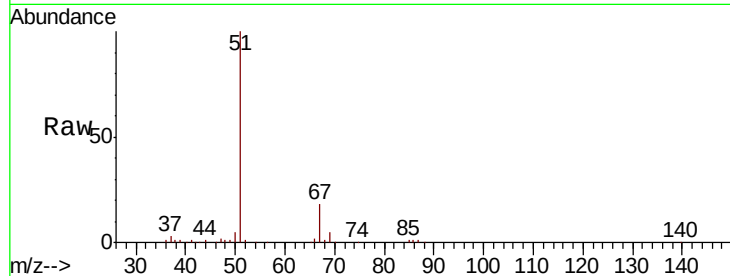
67 17.9 14.0 21.0

Manual Integrations

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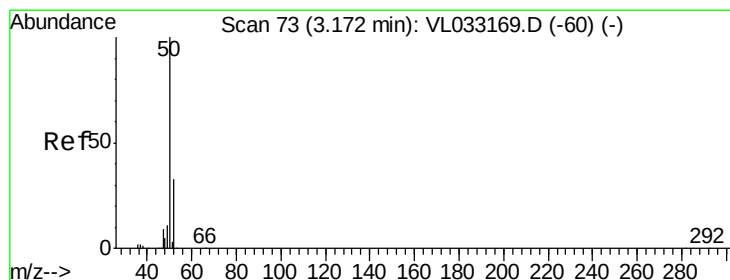
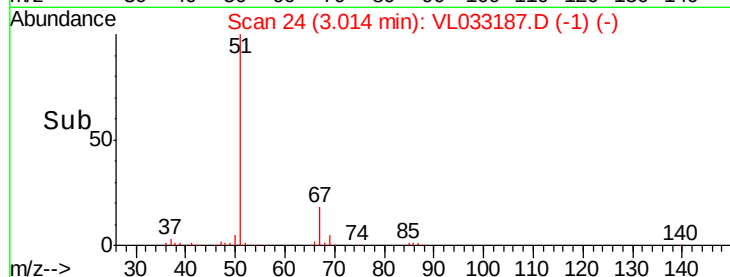
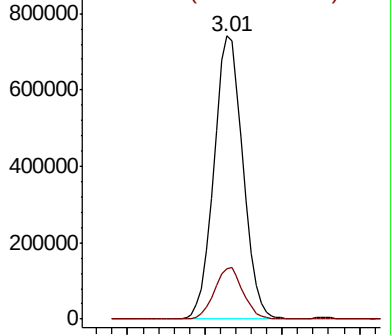
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.046 ppbv

RT: 3.17 min Scan# 73

Delta R.T. -0.00 min

Lab File: VL033187.D

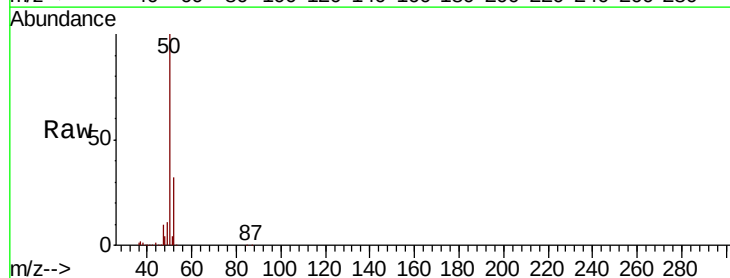
Acq: 13 Feb 2019 14:31

Tgt Ion: 50 Resp: 513580

Ion Ratio Lower Upper

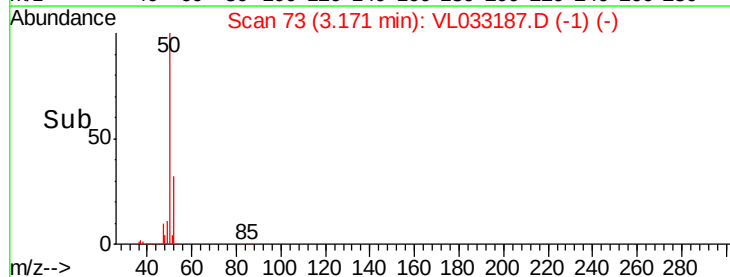
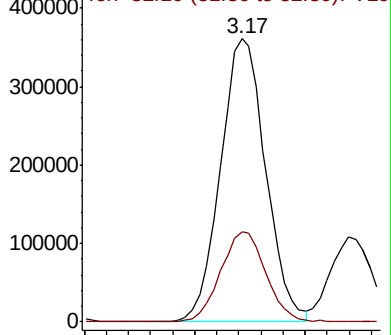
50 100

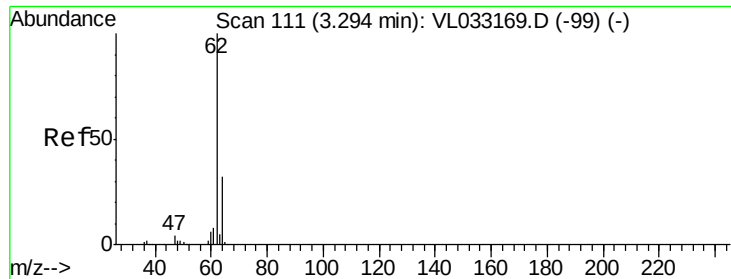
52 31.9 26.5 39.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 8.262 ppbv

RT: 3.29 min Scan# 111

Delta R.T. -0.00 min

Lab File: VL033187.D

Acq: 13 Feb 2019 14:31

Instrument :

MSVOA_L

ClientSampleId :

VL0213ABS01

Tgt Ion: 62 Resp: 489775

Ion Ratio Lower Upper

62 100

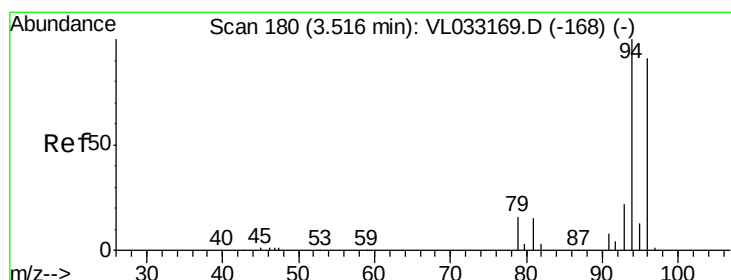
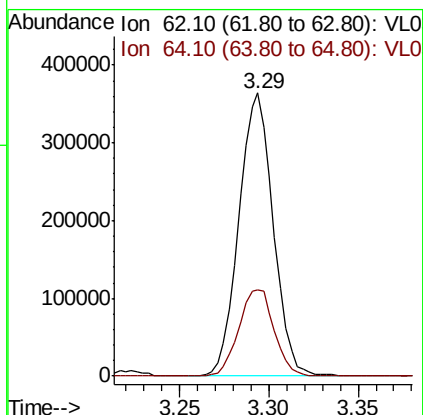
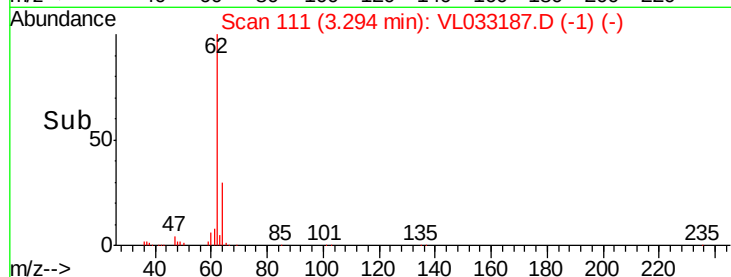
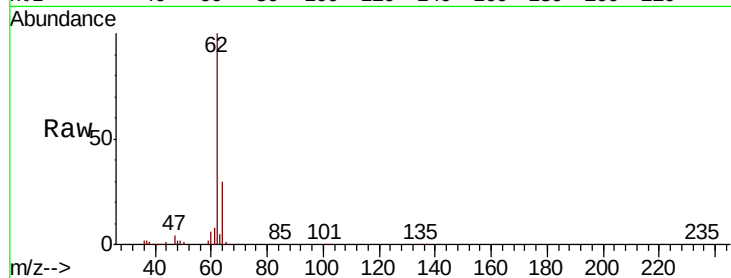
64 30.4 25.6 38.4

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#6

Bromomethane

Concen: 9.311 ppbv

RT: 3.52 min Scan# 180

Delta R.T. -0.00 min

Lab File: VL033187.D

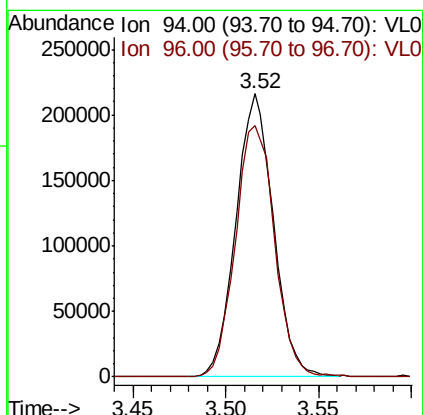
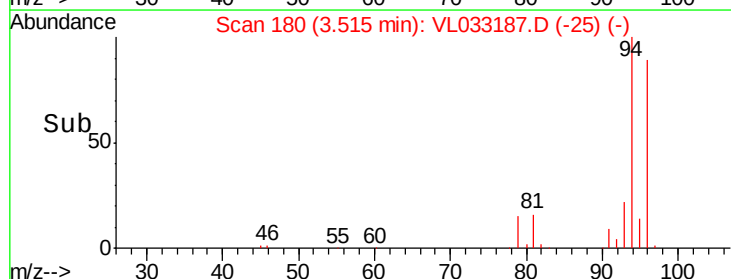
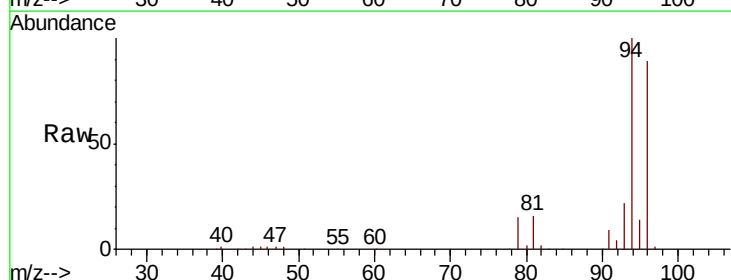
Acq: 13 Feb 2019 14:31

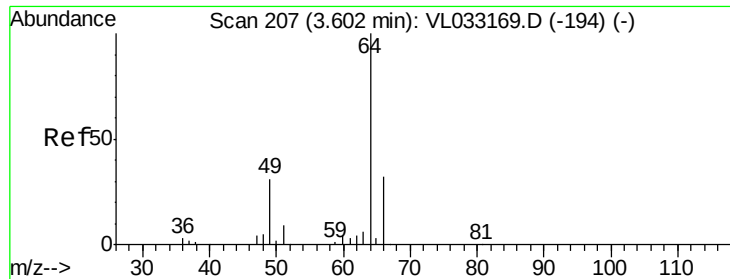
Tgt Ion: 94 Resp: 303391

Ion Ratio Lower Upper

94 100

96 88.7 73.2 109.8





#7

Chloroethane

Concen: 9.417 ppbv

RT: 3.60 min Scan# 207

Delta R.T. -0.00 min

Lab File: VL033187.D

Acq: 13 Feb 2019 14:31

Instrument :

MSVOA_L

ClientSampleId :

VL0213ABS01

Tgt Ion: 64 Resp: 182516

Ion Ratio Lower Upper

64 100

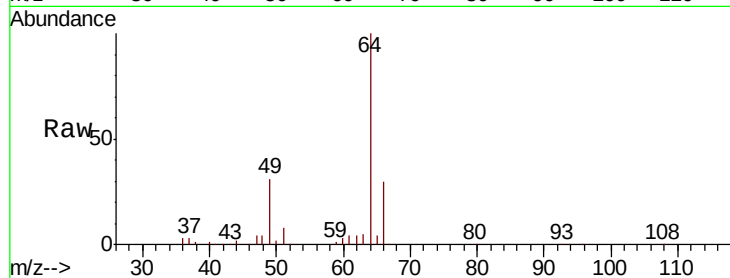
66 30.7 26.0 39.0

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

150000

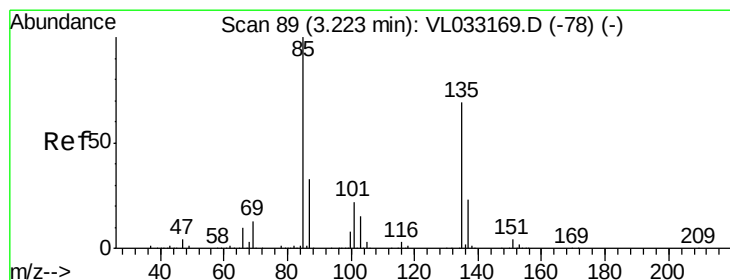
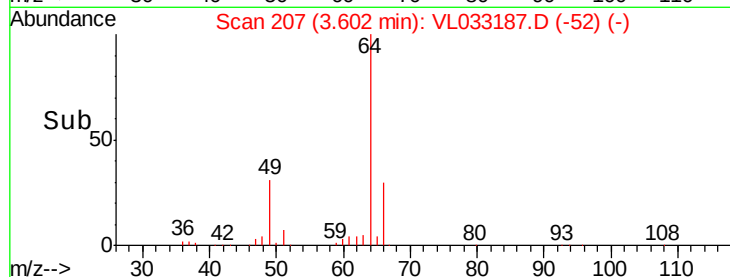
100000

50000

0

3.55 3.60 3.65

Time-->



#8

Dichlorotetrafluoroethane

Concen: 8.734 ppbv

RT: 3.22 min Scan# 89

Delta R.T. -0.00 min

Lab File: VL033187.D

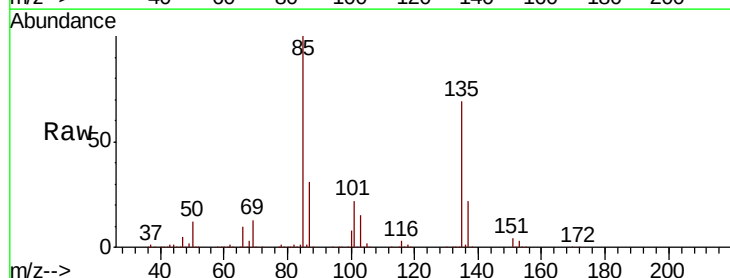
Acq: 13 Feb 2019 14:31

Tgt Ion: 85 Resp: 1166205

Ion Ratio Lower Upper

85 100

135 67.2 54.3 81.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

1000000

800000

600000

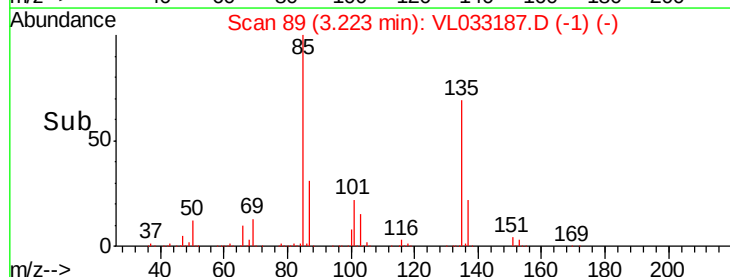
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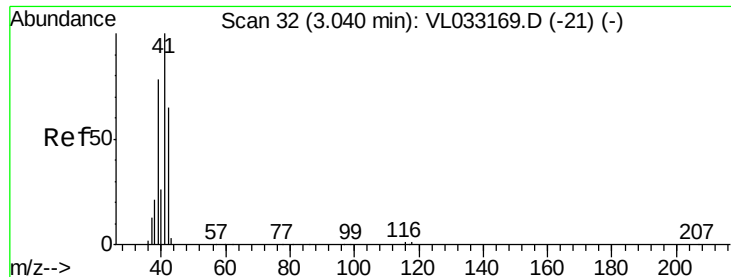
200000

0

3.15 3.20 3.25

Time-->





#9

Propene

Concen: 8.786 ppbv

RT: 3.04 min Scan# 31

Delta R.T. -0.00 min

Lab File: VL033187.D

Acq: 13 Feb 2019 14:31

Instrument :

MSVOA_L

ClientSampleId :

VL0213ABS01

Tgt Ion: 41 Resp: 456349

Ion Ratio Lower Upper

41 100

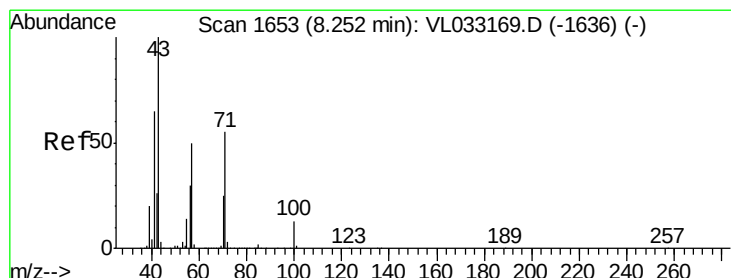
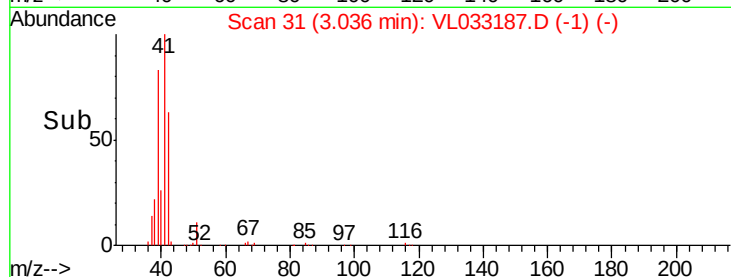
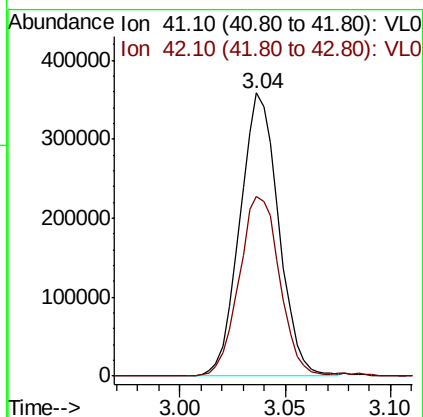
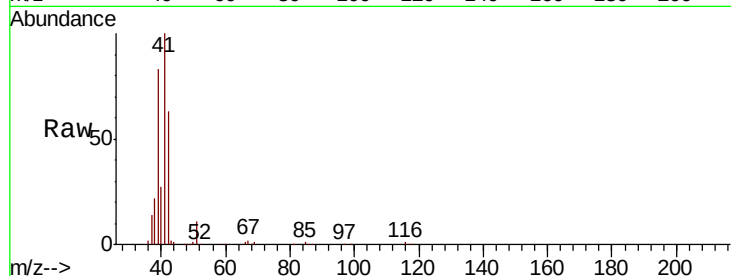
42 67.4 55.0 82.6

Manual Integrations

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#10

Heptane

Concen: 9.191 ppbv

RT: 8.25 min Scan# 1653

Delta R.T. -0.00 min

Lab File: VL033187.D

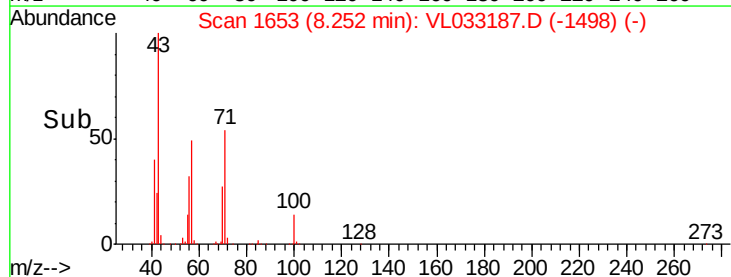
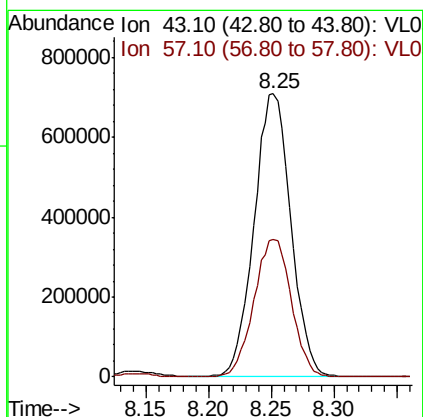
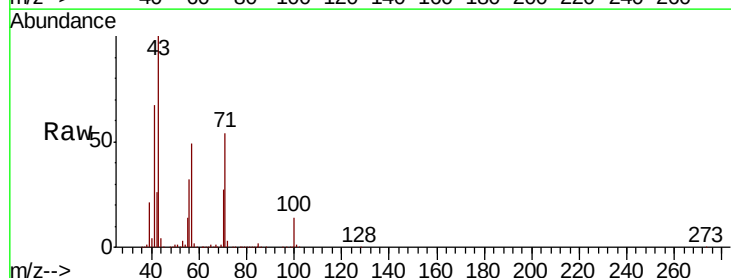
Acq: 13 Feb 2019 14:31

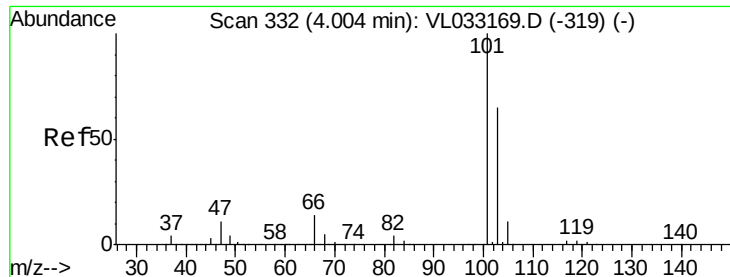
Tgt Ion: 43 Resp: 1444201

Ion Ratio Lower Upper

43 100

57 49.5 39.5 59.3





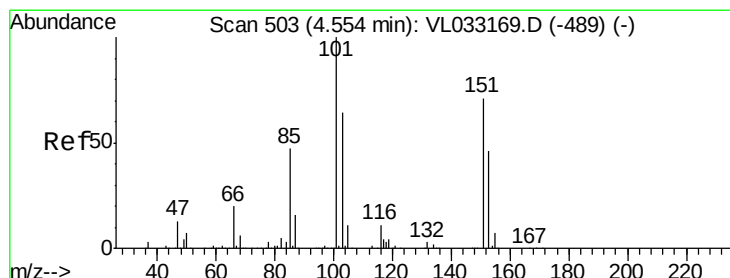
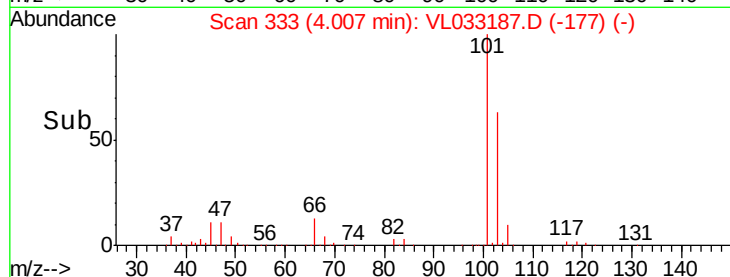
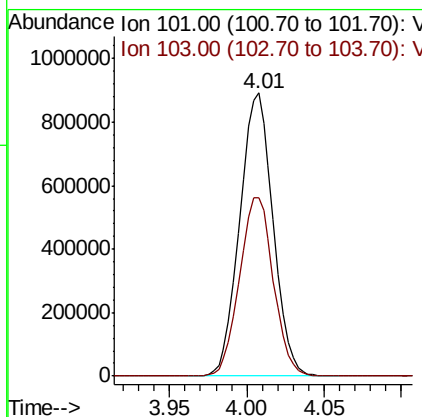
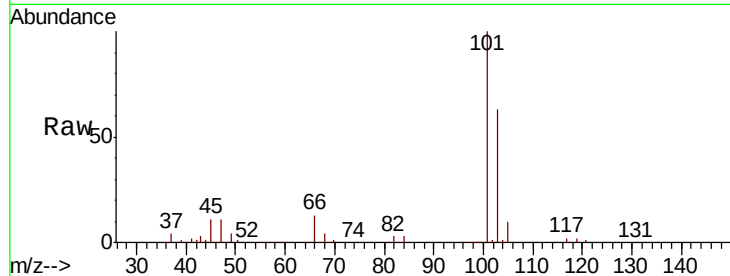
#11
 Trichlorofluoromethane
 Concen: 9.659 ppbv
 RT: 4.01 min Scan# 333
 Delta R.T. 0.00 min
 Lab File: VL033187.D
 Acq: 13 Feb 2019 14:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0213ABS01

Tgt Ion:101 Resp: 1335079
 Ion Ratio Lower Upper
 101 100
 103 63.2 51.7 77.5

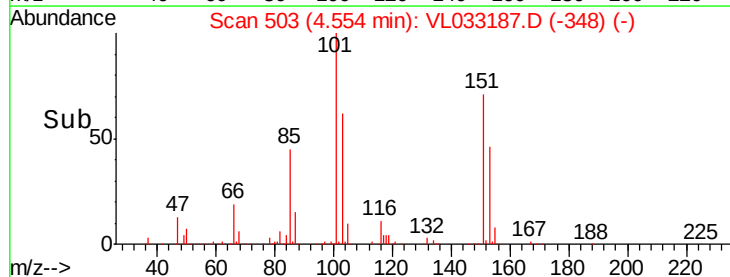
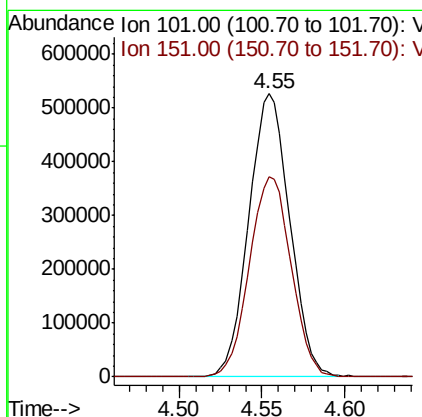
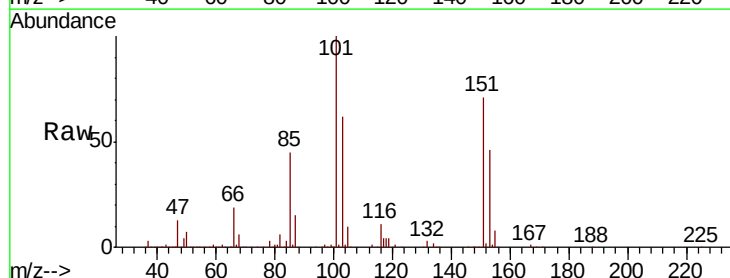
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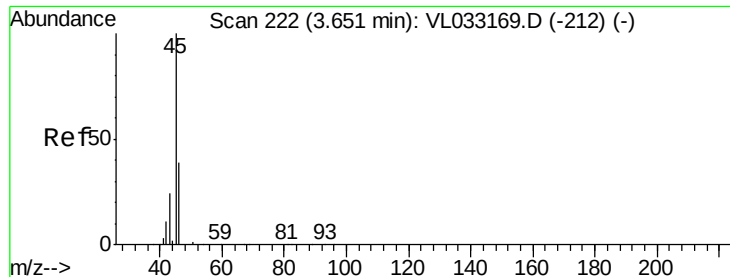
MMDadoda
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.431 ppbv
 RT: 4.55 min Scan# 503
 Delta R.T. -0.00 min
 Lab File: VL033187.D
 Acq: 13 Feb 2019 14:31

Tgt Ion:101 Resp: 903380
 Ion Ratio Lower Upper
 101 100
 151 72.2 57.4 86.0





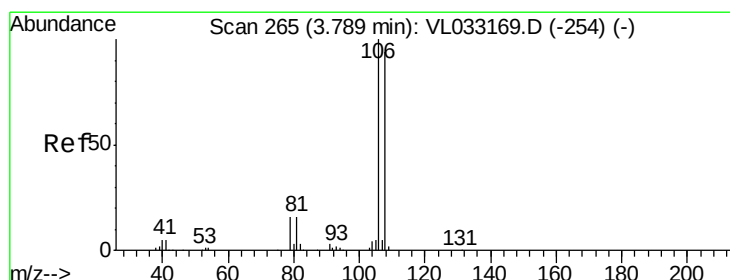
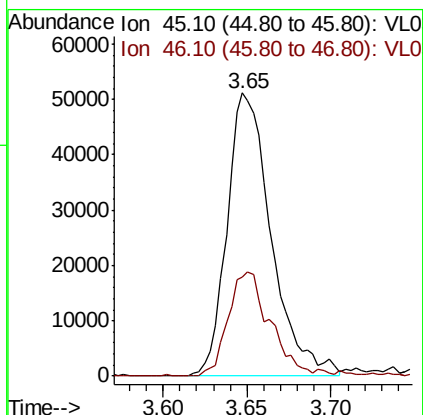
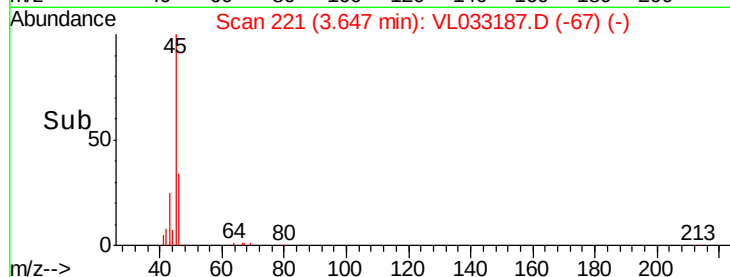
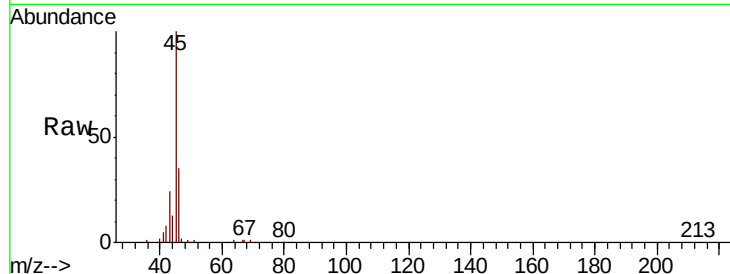
#13
Ethanol
Concen: 5.302 ppbv m
RT: 3.65 min Scan# 221
Delta R.T. -0.00 min
Lab File: VL033187.D
Acq: 13 Feb 2019 14:31

Instrument :
MSVOA_L
ClientSampleId :
VL0213ABS01

Tgt Ion: 45 Resp: 93598
Ion Ratio Lower Upper
45 100
46 36.4 15.0 60.2

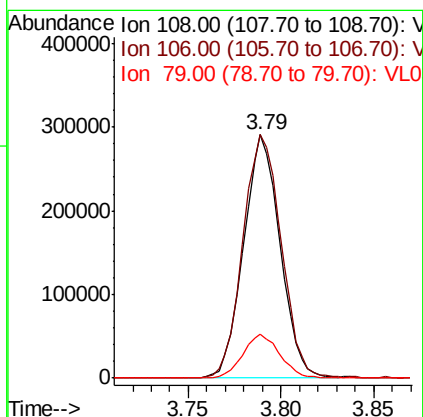
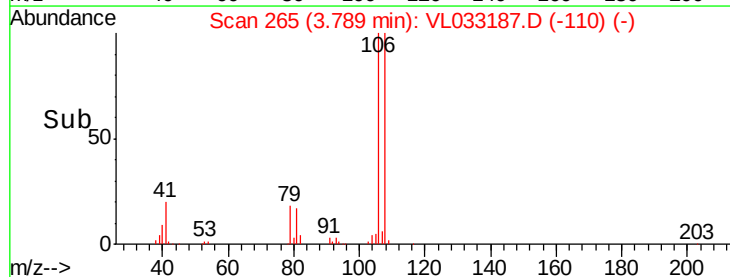
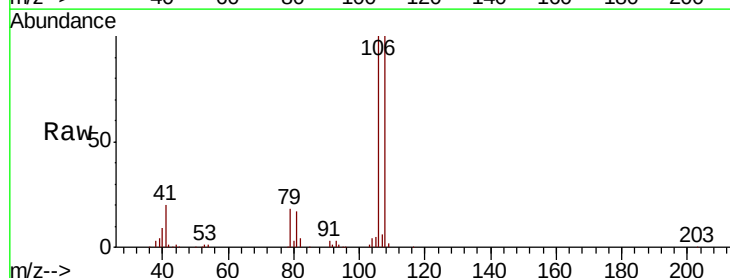
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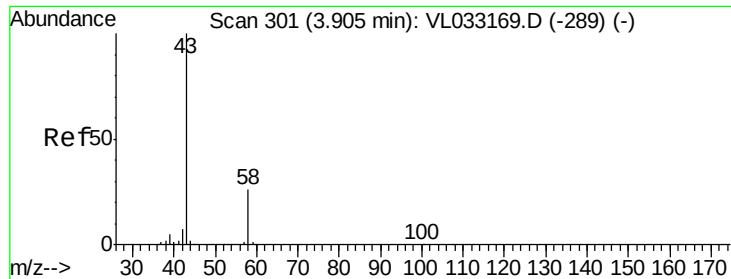
MMDadoda
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#14
Bromoethene
Concen: 9.628 ppbv
RT: 3.79 min Scan# 265
Delta R.T. -0.00 min
Lab File: VL033187.D
Acq: 13 Feb 2019 14:31

Tgt Ion: 108 Resp: 397663
Ion Ratio Lower Upper
108 100
106 105.5 86.0 129.0
79 18.3 14.5 21.7





#15

Acetone

Concen: 8.844 ppbv

RT: 3.90 min Scan# 300

Delta R.T. -0.00 min

Lab File: VL033187.D

Acq: 13 Feb 2019 14:31

Instrument :

MSVOA_L

ClientSampleId :

VL0213ABS01

Tgt Ion: 43 Resp: 889802

Ion Ratio Lower Upper

43 100

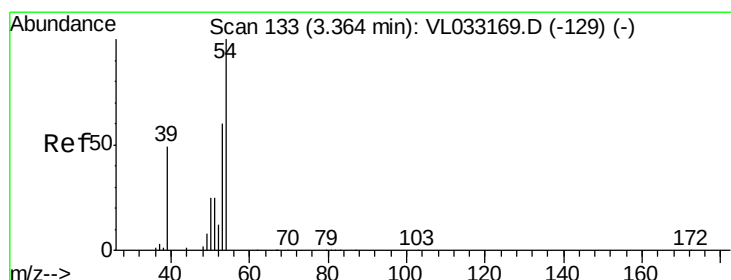
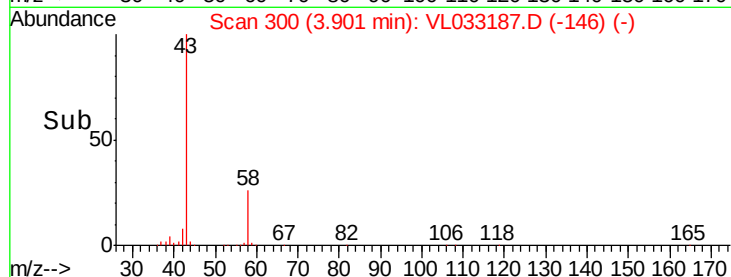
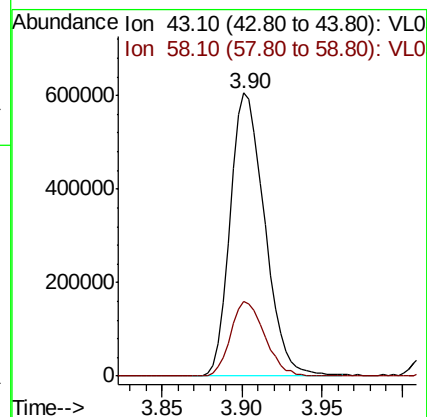
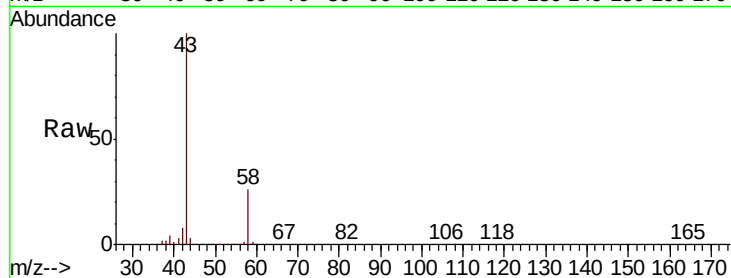
58 26.2 21.1 31.7

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#16

1,3-Butadiene

Concen: 8.894 ppbv

RT: 3.36 min Scan# 133

Delta R.T. -0.00 min

Lab File: VL033187.D

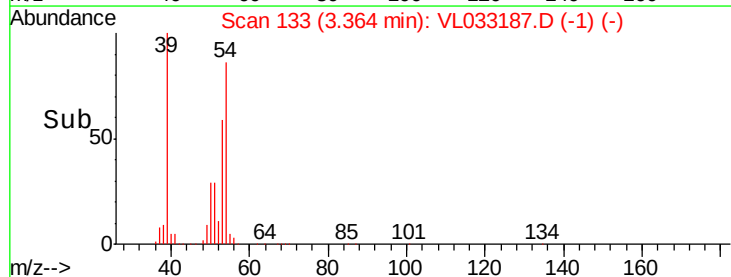
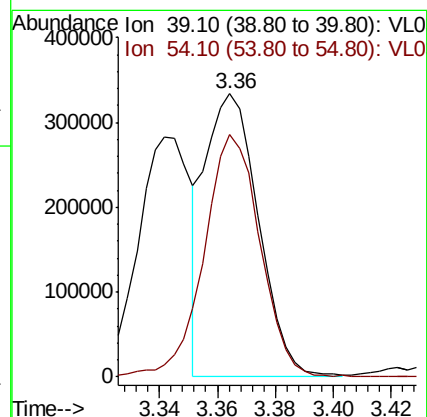
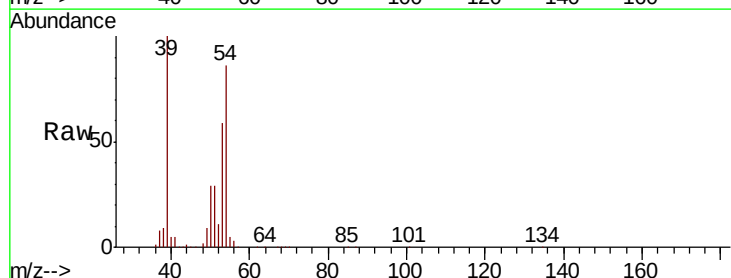
Acq: 13 Feb 2019 14:31

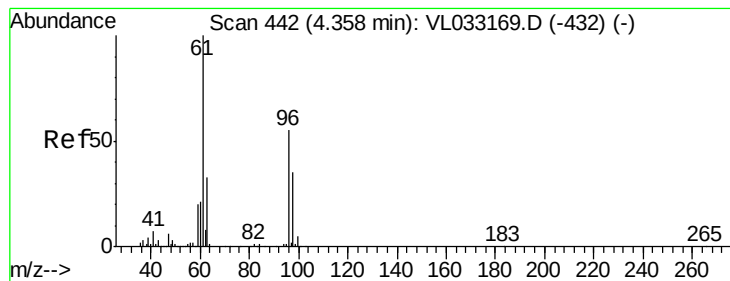
Tgt Ion: 39 Resp: 424734

Ion Ratio Lower Upper

39 100

54 91.2 71.3 106.9





#17

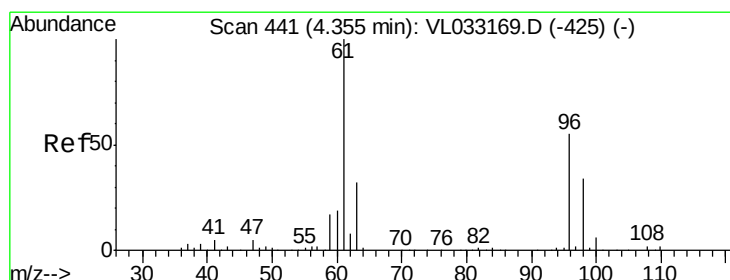
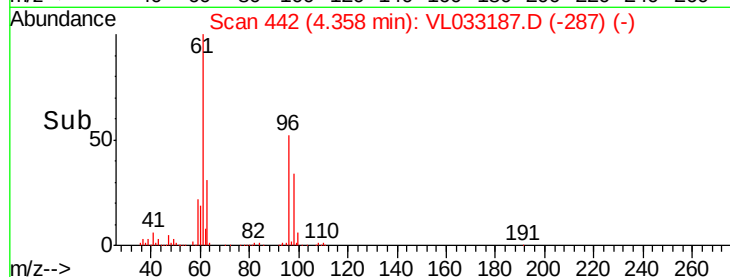
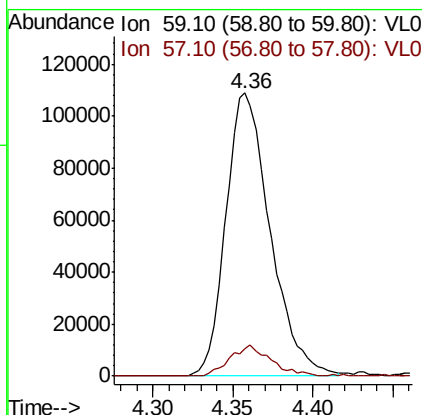
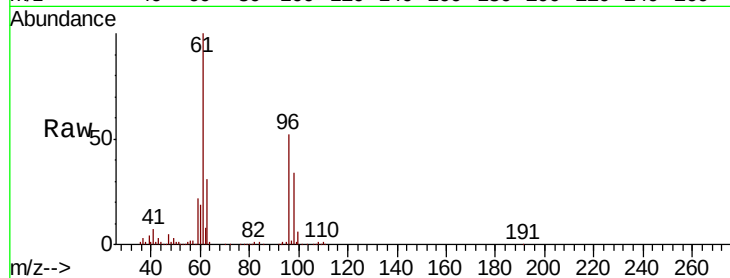
tert-Butyl alcohol
Concen: 10.641 ppbv
RT: 4.36 min Scan# 442
Delta R.T. -0.00 min
Lab File: VL033187.D
Acq: 13 Feb 2019 14:31

Instrument :
MSVOA_L
ClientSampleId :
VL0213ABS01

Tgt Ion: 59 Resp: 205649
Ion Ratio Lower Upper
59 100
57 10.3 7.6 11.4

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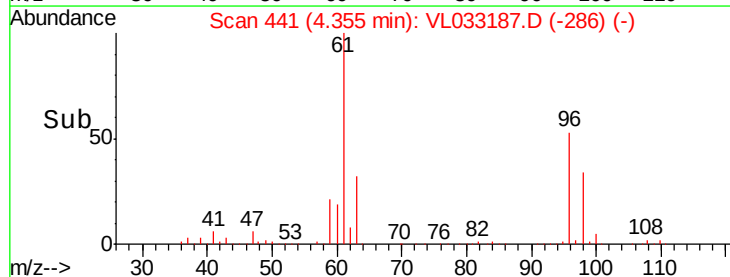
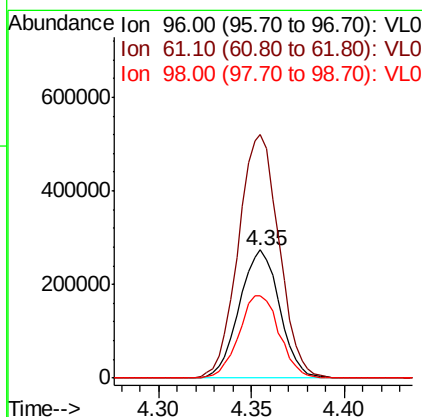
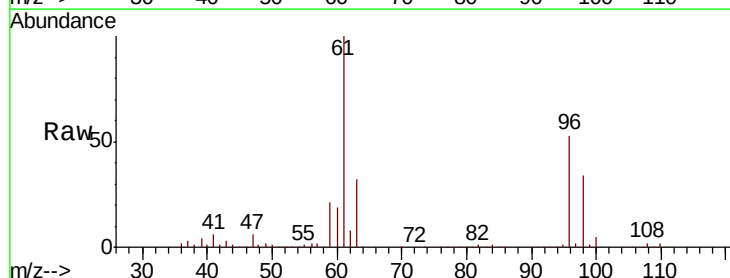
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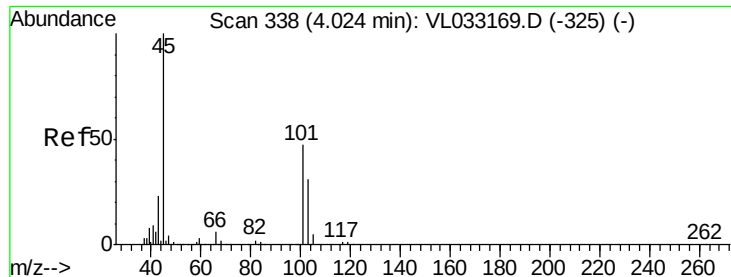


#18

1,1-Dichloroethene
Concen: 9.660 ppbv
RT: 4.35 min Scan# 441
Delta R.T. -0.00 min
Lab File: VL033187.D
Acq: 13 Feb 2019 14:31

Tgt Ion: 96 Resp: 414198
Ion Ratio Lower Upper
96 100
61 190.5 145.0 217.6
98 64.2 50.0 75.0





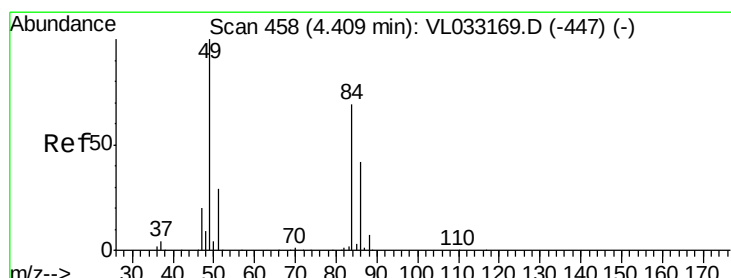
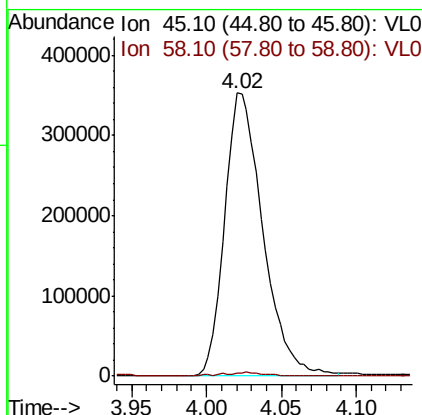
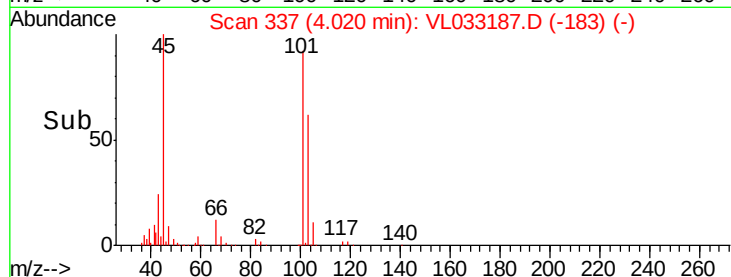
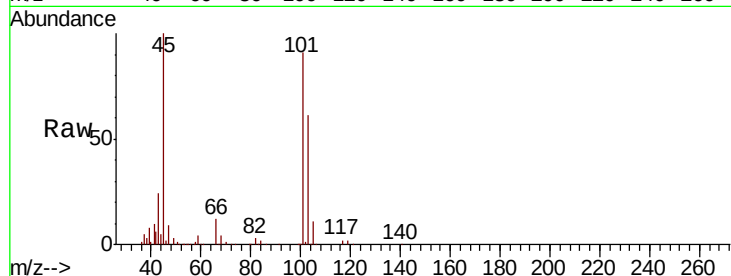
#19
Isopropyl Alcohol
Concen: 9.199 ppbv
RT: 4.02 min Scan# 337
Delta R.T. -0.00 min
Lab File: VL033187.D
Acq: 13 Feb 2019 14:31

Instrument :
MSVOA_L
ClientSampleId :
VL0213ABS01

Tgt Ion: 45 Resp: 627705
Ion Ratio Lower Upper
45 100
58 1.8 1.5 2.3

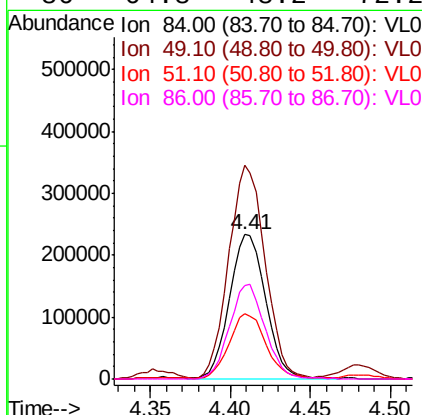
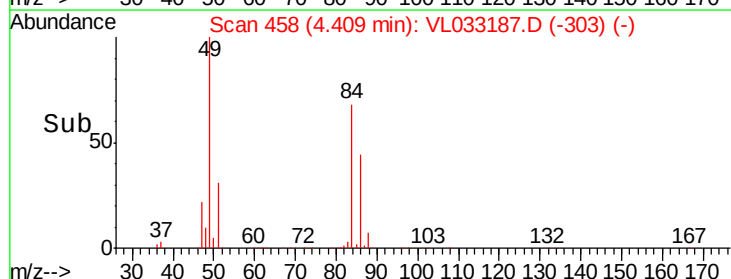
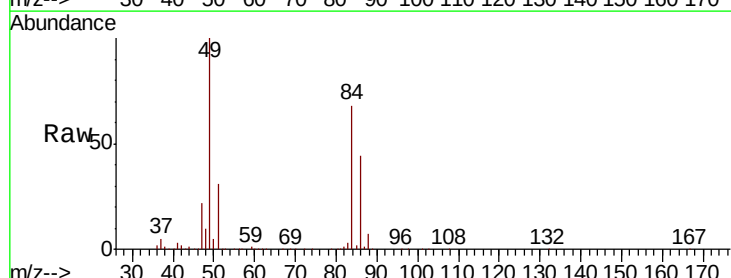
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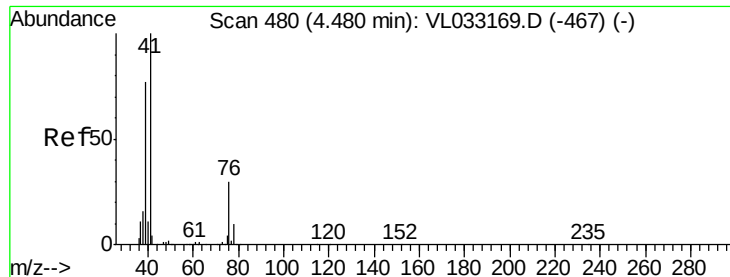
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#20
Methylene Chloride
Concen: 9.003 ppbv
RT: 4.41 min Scan# 458
Delta R.T. -0.00 min
Lab File: VL033187.D
Acq: 13 Feb 2019 14:31

Tgt Ion: 84 Resp: 360296
Ion Ratio Lower Upper
84 100
49 146.8 115.8 173.8
51 44.6 33.0 49.6
86 64.8 48.2 72.2





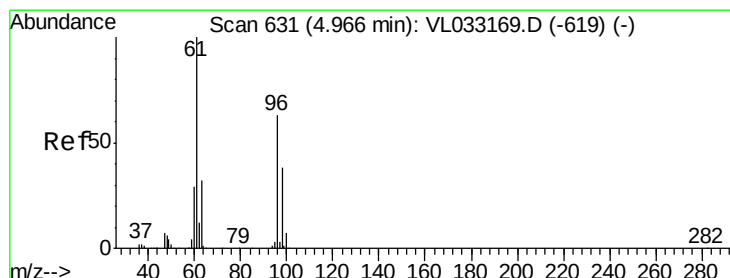
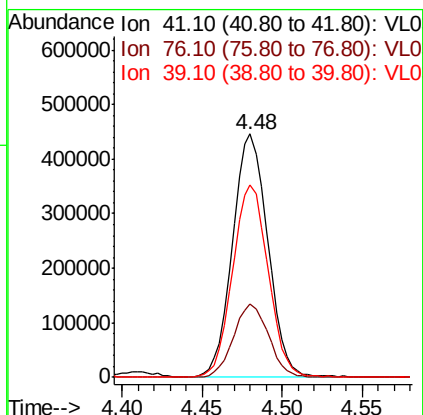
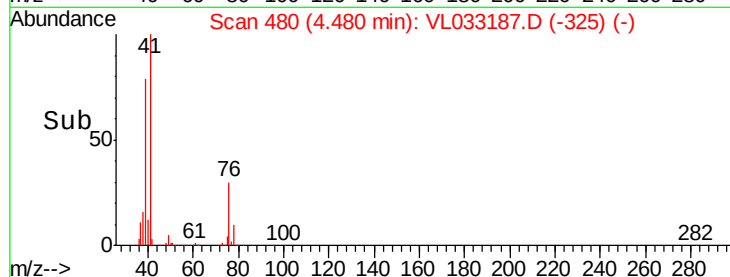
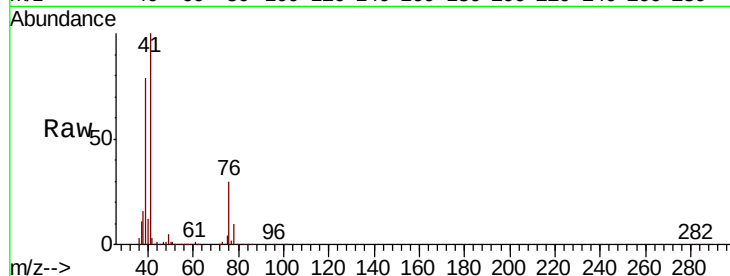
#21
 Allyl Chloride
 Concen: 9.985 ppbv
 RT: 4.48 min Scan# 480
 Delta R.T. -0.00 min
 Lab File: VL033187.D
 Acq: 13 Feb 2019 14:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0213ABS01

Tgt Ion	Ratio	Lower	Upper
41	100		
76	30.3	24.5	36.7
39	80.1	64.1	96.1

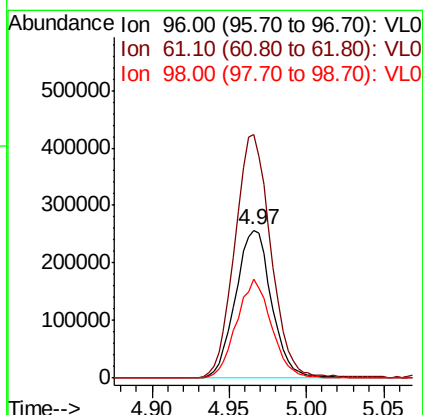
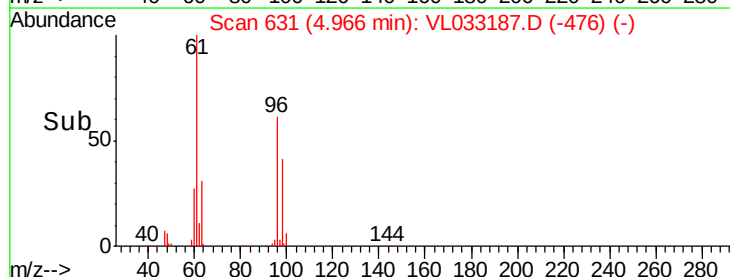
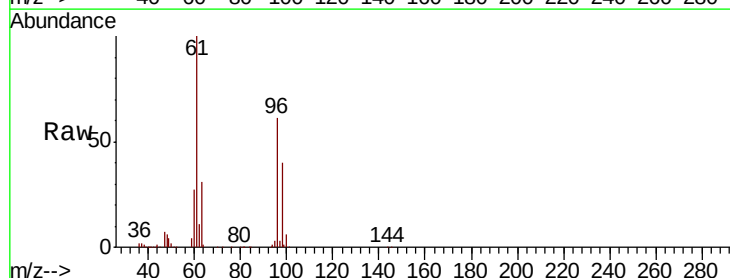
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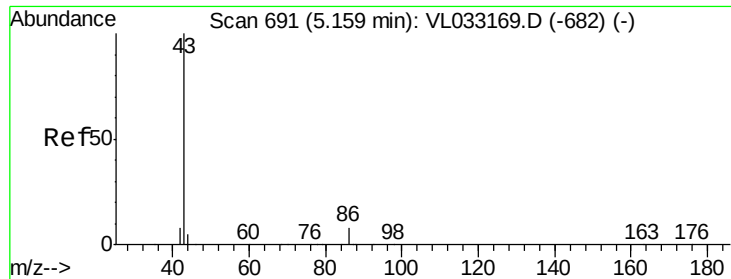
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#22
 trans-1,2-Dichloroethene
 Concen: 10.012 ppbv
 RT: 4.97 min Scan# 631
 Delta R.T. -0.00 min
 Lab File: VL033187.D
 Acq: 13 Feb 2019 14:31

Tgt Ion	Ratio	Lower	Upper
96	100		
61	164.9	126.4	189.6
98	66.6	48.4	72.6





#23

Vinyl Acetate

Concen: 9.839 ppbv

RT: 5.16 min Scan# 691

Delta R.T. -0.00 min

Lab File: VL033187.D

Acq: 13 Feb 2019 14:31

Instrument :

MSVOA_L

ClientSampleId :

VL0213ABS01

Tgt Ion: 43 Resp: 1715544

Ion Ratio Lower Upper

43 100

86 7.5 5.8 8.8

42 9.0 7.4 11.0

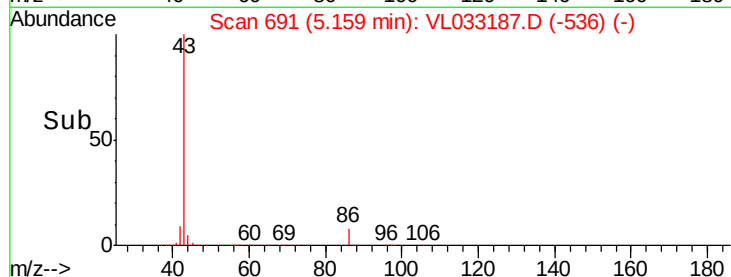
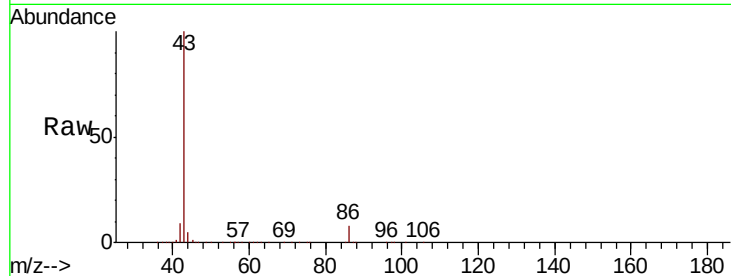
44 4.9 3.7 5.5

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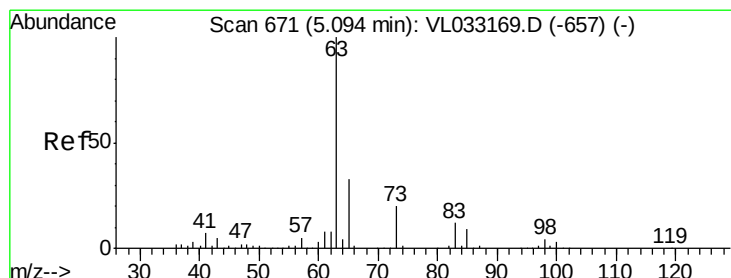
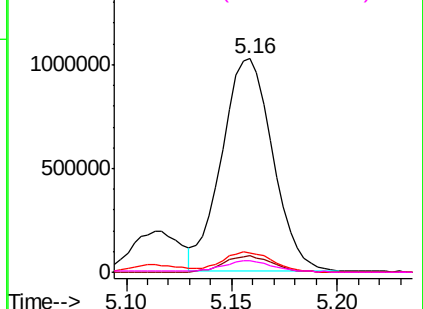


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.614 ppbv

RT: 5.09 min Scan# 671

Delta R.T. -0.00 min

Lab File: VL033187.D

Acq: 13 Feb 2019 14:31

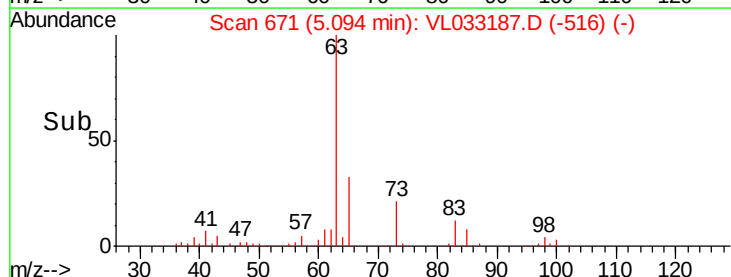
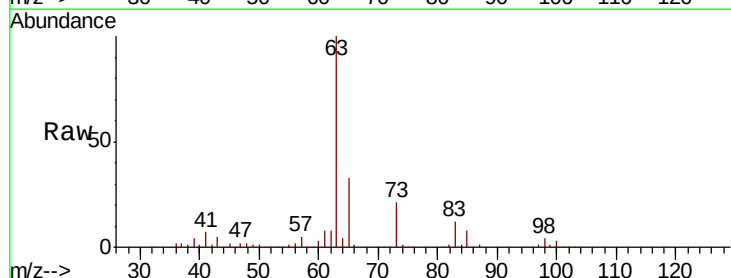
Tgt Ion: 63 Resp: 1185712

Ion Ratio Lower Upper

63 100

98 3.5 2.1 6.5

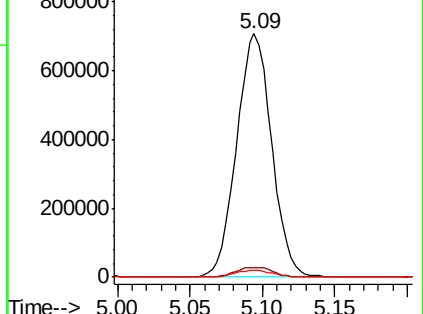
100 2.7 1.4 4.2

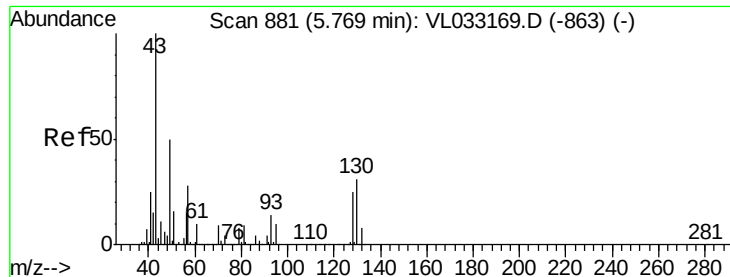


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





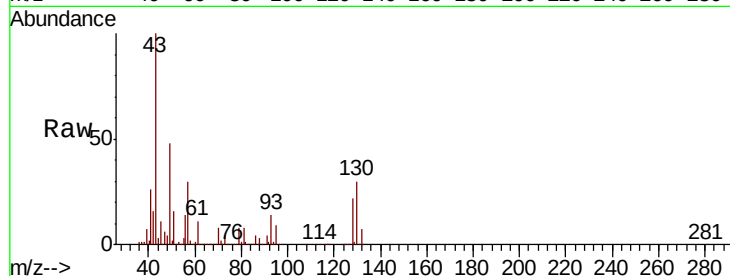
#25
Ethyl Acetate
Concen: 9.058 ppbv
RT: 5.77 min Scan# 881
Delta R.T. -0.00 min
Lab File: VL033187.D
Acq: 13 Feb 2019 14:31

Instrument :
MSVOA_L
ClientSampleId :
VL0213ABS01

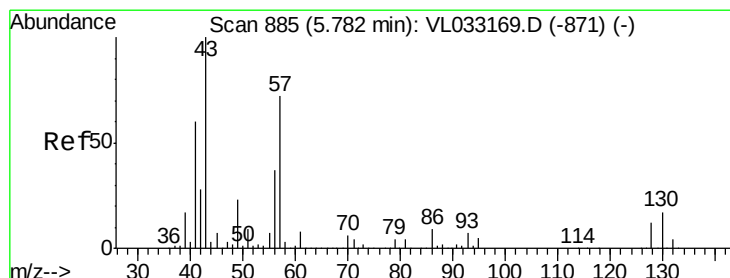
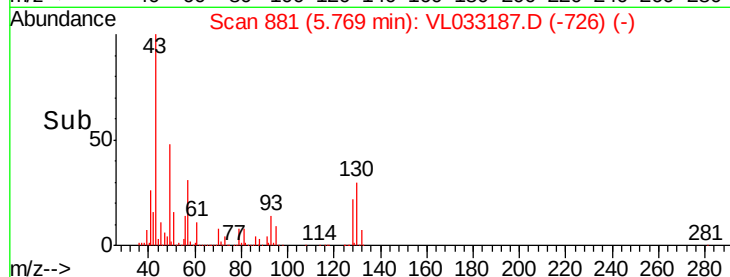
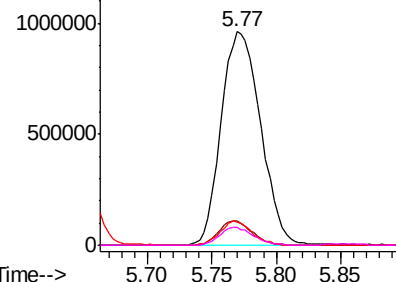
Tgt Ion	Ratio	Lower	Upper
43	100		
45	9.9	7.9	11.9
61	9.1	7.5	11.3
70	7.2	5.8	8.8

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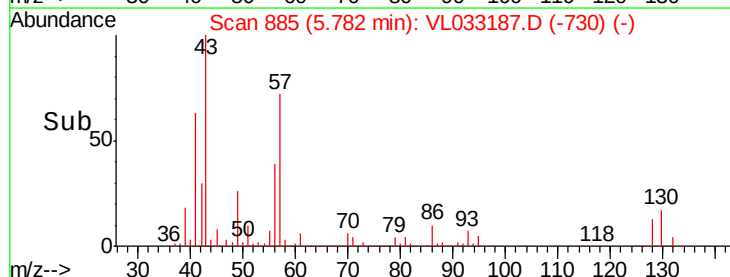
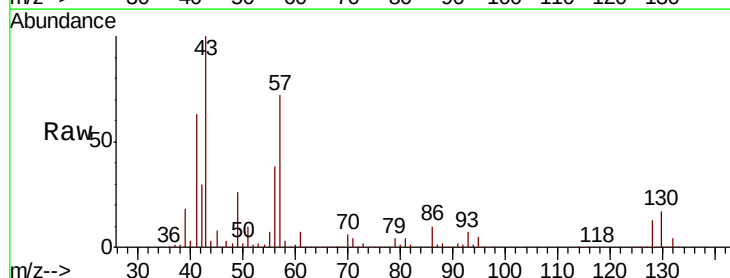
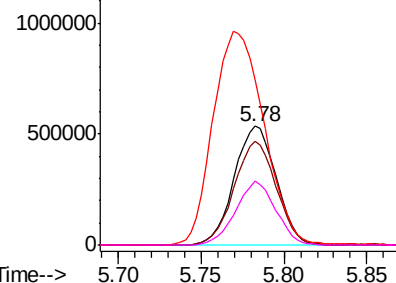
Abundance Ion 43.10 (42.80 to 43.80): VL0
1500000 Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

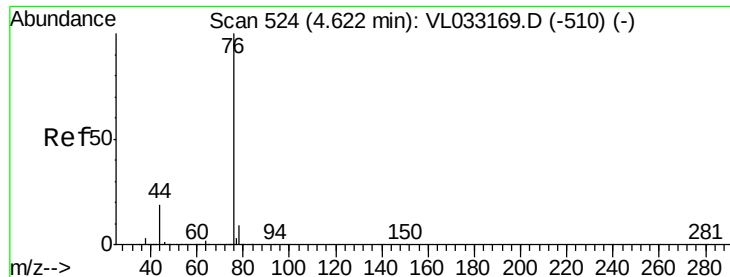


#26
Hexane
Concen: 8.855 ppbv
RT: 5.78 min Scan# 885
Delta R.T. -0.00 min
Lab File: VL033187.D
Acq: 13 Feb 2019 14:31

Tgt Ion	Ratio	Lower	Upper
57	100		
41	87.8	69.4	104.2
43	219.1	176.7	265.1
56	51.6	41.4	62.0

Abundance Ion 57.10 (56.80 to 57.80): VL0
1500000 Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 10.609 ppbv

RT: 4.62 min Scan# 524

Delta R.T. -0.00 min

Lab File: VL033187.D

Acq: 13 Feb 2019 14:31

Instrument :

MSVOA_L

ClientSampleId :

VL0213ABS01

Tgt Ion: 76 Resp: 1032101

Ion Ratio Lower Upper

76 100

44 18.8 15.0 22.4

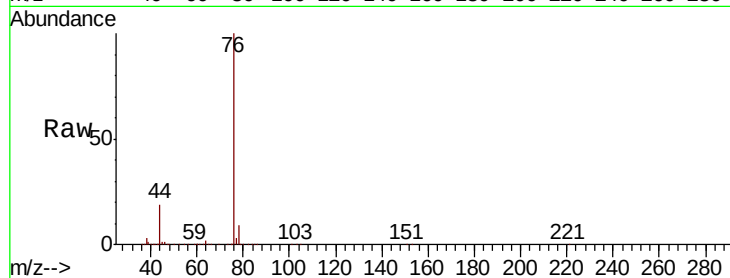
78 9.2 7.4 11.0

Manual Integrations

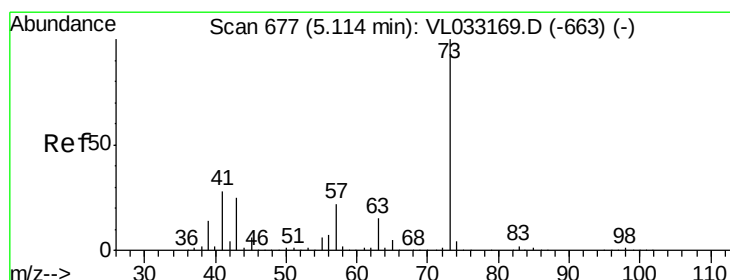
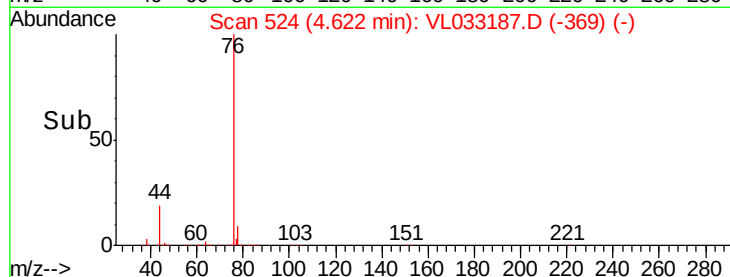
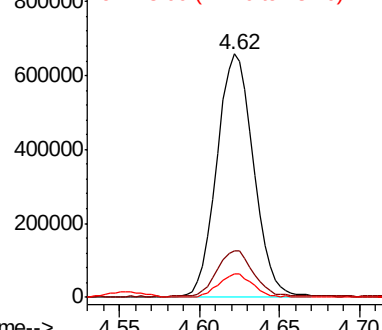
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Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 9.750 ppbv

RT: 5.11 min Scan# 677

Delta R.T. -0.00 min

Lab File: VL033187.D

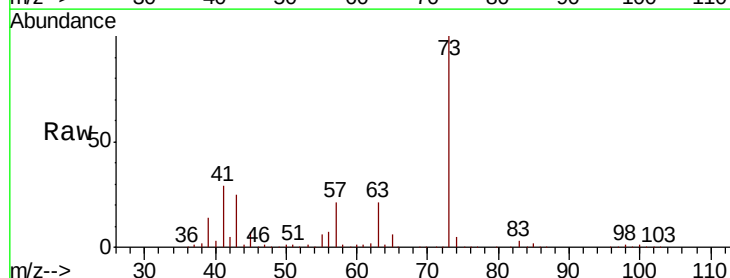
Acq: 13 Feb 2019 14:31

Tgt Ion: 73 Resp: 1414901

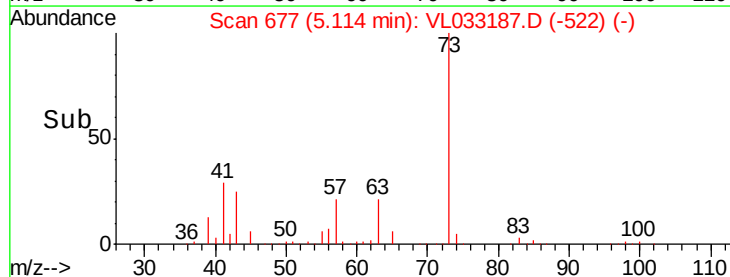
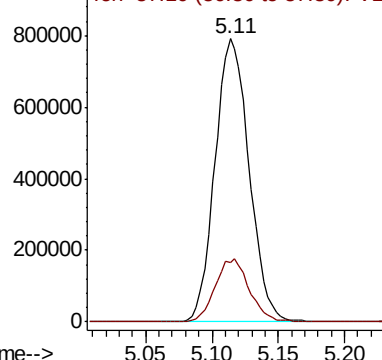
Ion Ratio Lower Upper

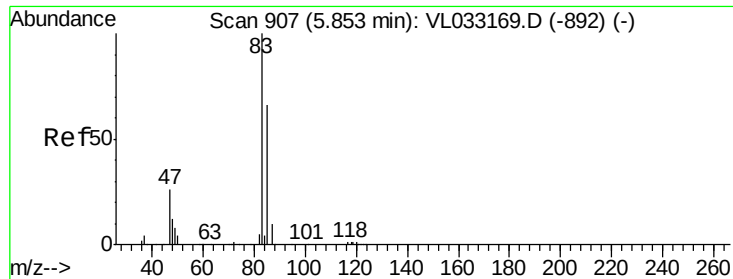
73 100

57 22.5 17.9 26.9



Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0





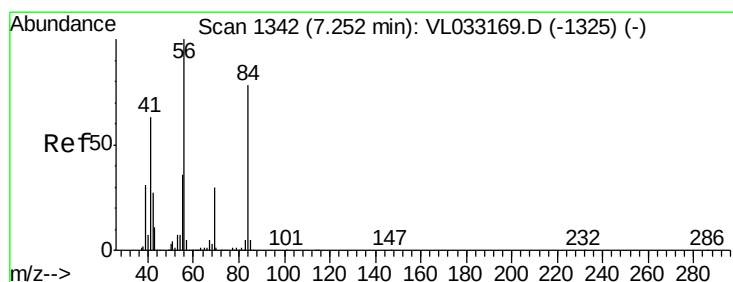
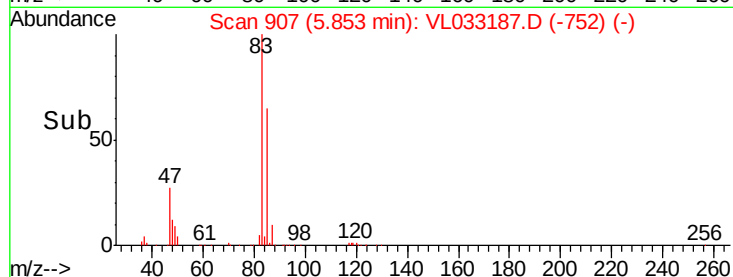
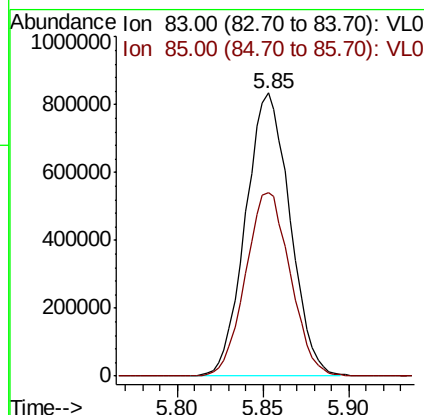
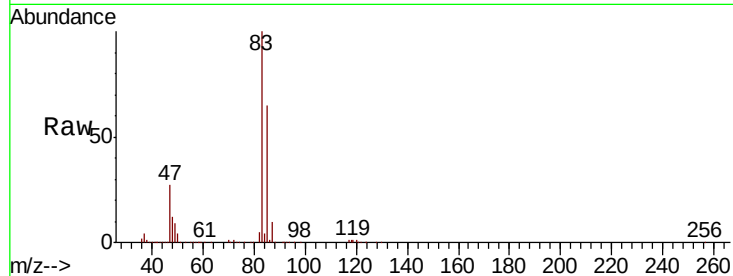
#29
Chloroform
Concen: 9.183 ppbv
RT: 5.85 min Scan# 907
Delta R.T. -0.00 min
Lab File: VL033187.D
Acq: 13 Feb 2019 14:31

Instrument :
MSVOA_L
ClientSampleId :
VL0213ABS01

Tgt Ion: 83 Resp: 1494446
Ion Ratio Lower Upper
83 100
85 64.7 52.6 78.8

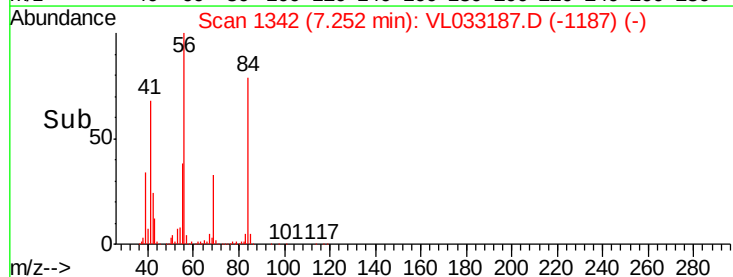
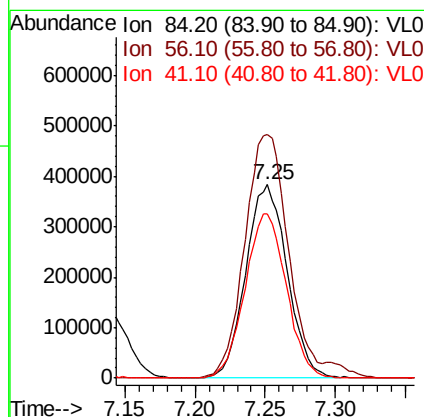
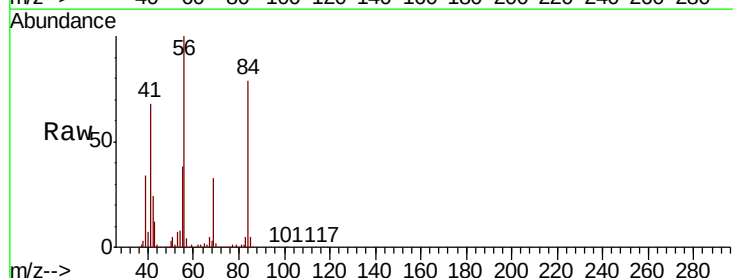
Manual Integrations
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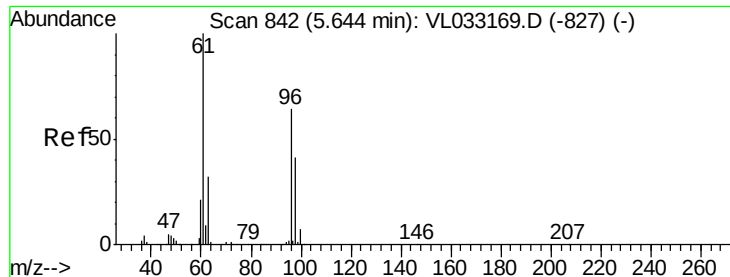
MMDadoda
2/20/2019 12:23:31 PM



#30
Cyclohexane
Concen: 7.997 ppbv
RT: 7.25 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VL033187.D
Acq: 13 Feb 2019 14:31

Tgt Ion: 84 Resp: 787963
Ion Ratio Lower Upper
84 100
56 136.7 109.5 164.3
41 85.0 66.6 100.0





#31

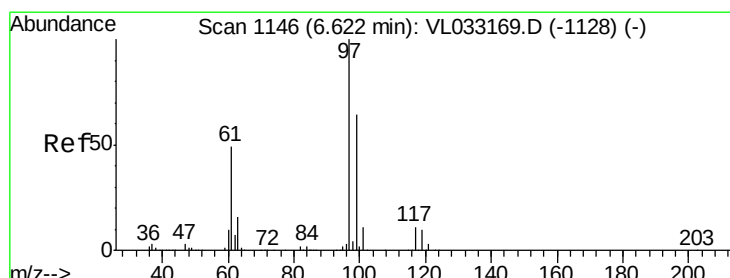
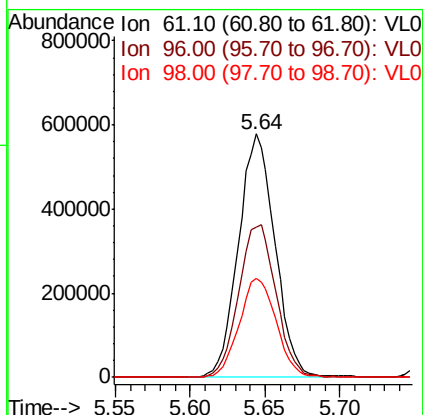
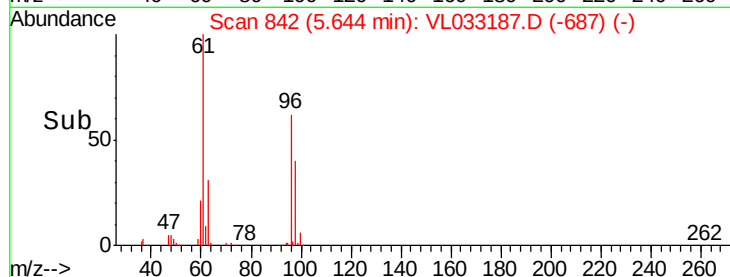
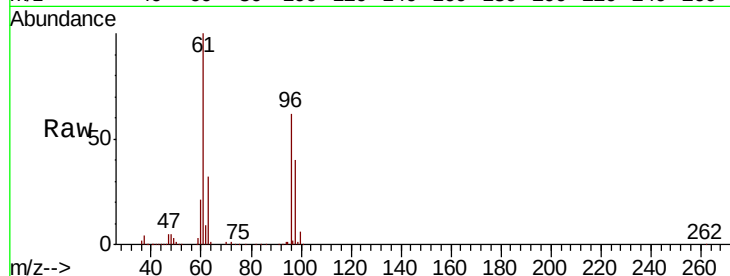
cis-1,2-Dichloroethene
Concen: 9.237 ppbv
RT: 5.64 min Scan# 842
Delta R.T. -0.00 min
Lab File: VL033187.D
Acq: 13 Feb 2019 14:31

Instrument :
MSVOA_L
ClientSampleId :
VL0213ABS01

Tgt Ion	Ratio	Resp	Lower	Upper
61	100	981736		
96	61.9	51.2	76.8	
98	40.4	32.8	49.2	

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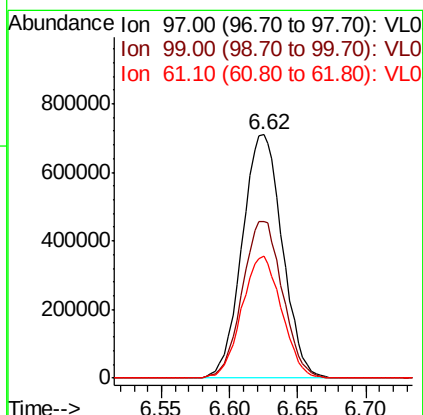
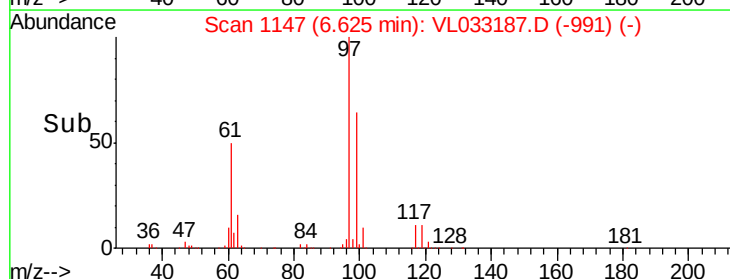
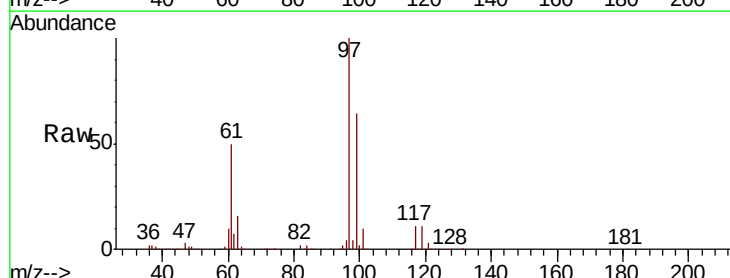
MMDadoda
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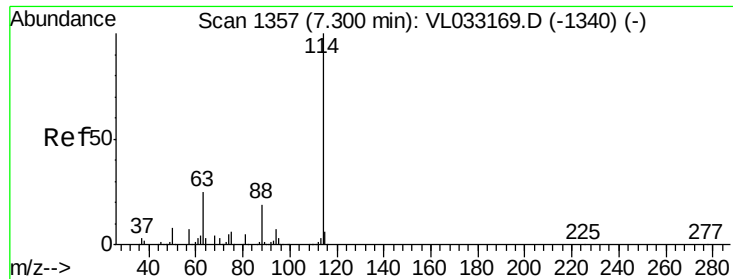


#32

1,1,1-Trichloroethane
Concen: 8.065 ppbv
RT: 6.62 min Scan# 1147
Delta R.T. 0.00 min
Lab File: VL033187.D
Acq: 13 Feb 2019 14:31

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	1445216		
99	64.6	51.4	77.2	
61	50.1	38.8	58.2	





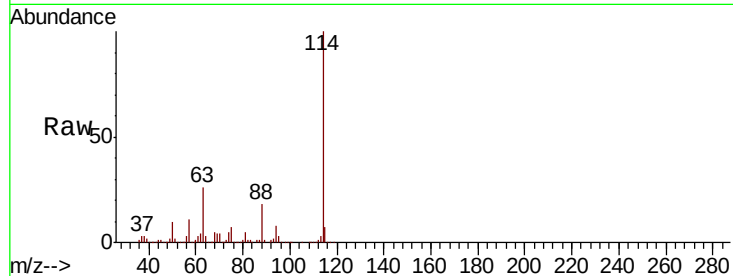
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.30 min Scan# 1356
 Delta R.T. -0.00 min
 Lab File: VL033187.D
 Acq: 13 Feb 2019 14:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0213ABS01

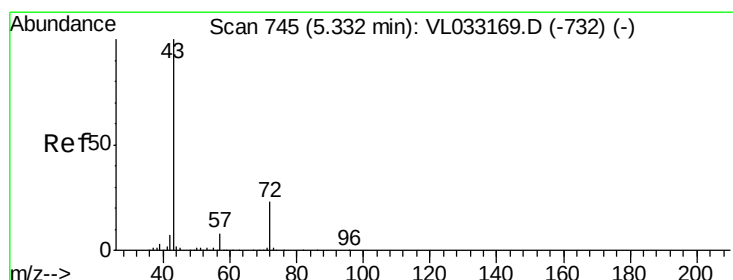
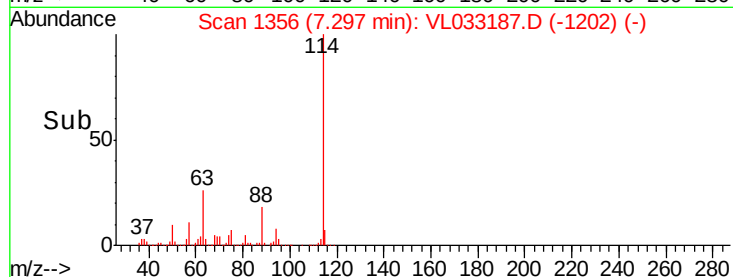
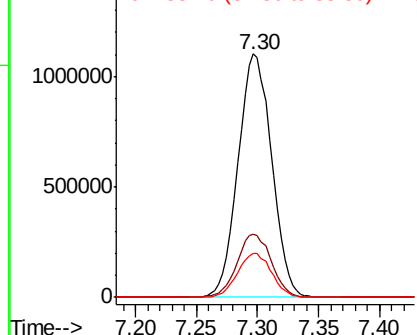
Tgt Ion	Ratio	Lower	Upper
114	100		
63	26.7	20.8	31.2
88	18.3	14.6	22.0

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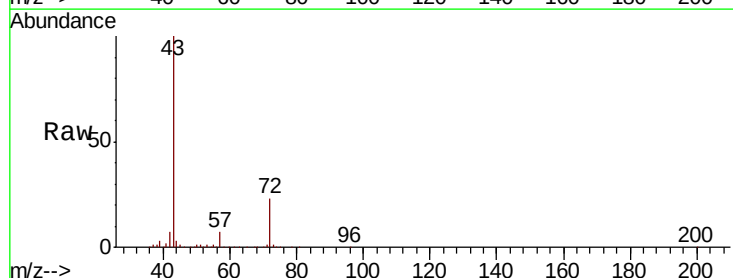


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

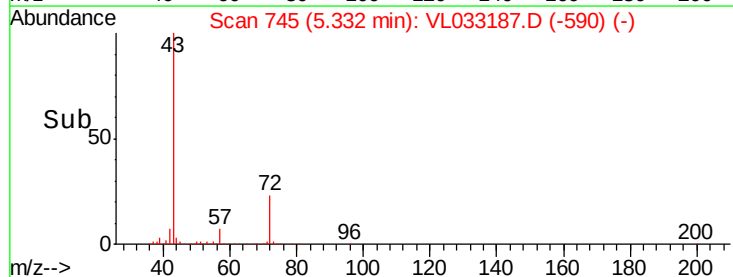
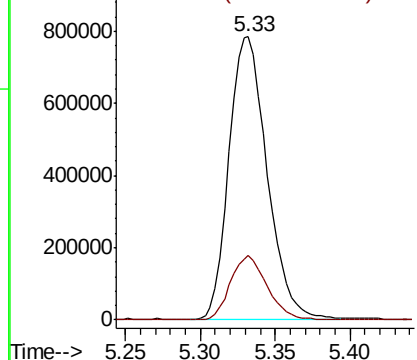


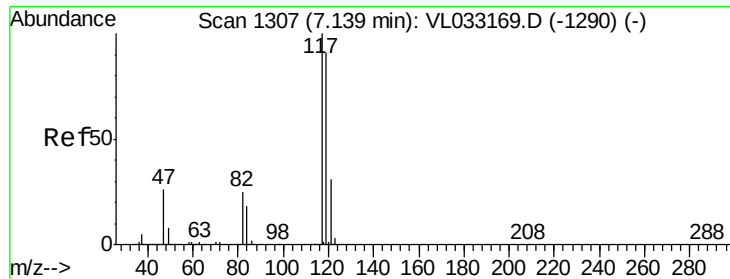
#34
 2-Butanone
 Concen: 10.437 ppbv
 RT: 5.33 min Scan# 745
 Delta R.T. -0.00 min
 Lab File: VL033187.D
 Acq: 13 Feb 2019 14:31

Tgt Ion	Ratio	Lower	Upper
43	100		
72	21.9	17.8	26.6



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 9.311 ppbv

RT: 7.14 min Scan# 1307

Delta R.T. -0.00 min

Lab File: VL033187.D

Acq: 13 Feb 2019 14:31

Instrument :

MSVOA_L

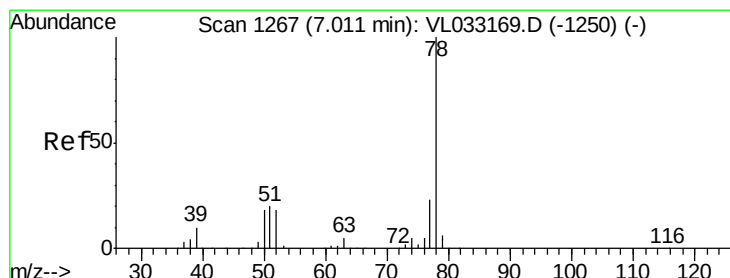
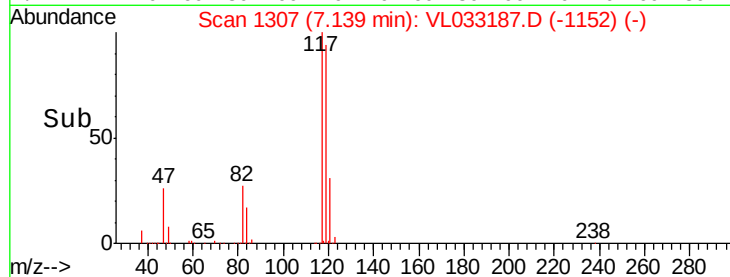
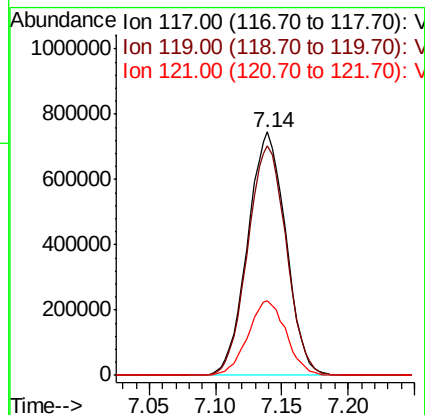
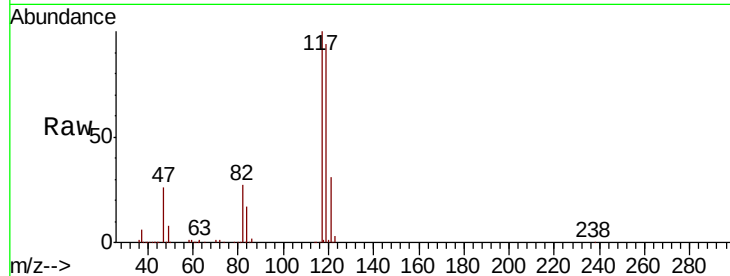
ClientSampleId :

VL0213ABS01

Tgt Ion:	117	Resp:	1494607
Ion	Ratio	Lower	Upper
117	100		
119	94.3	73.0	109.6
121	30.7	25.1	37.7

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#36

Benzene

Concen: 9.165 ppbv

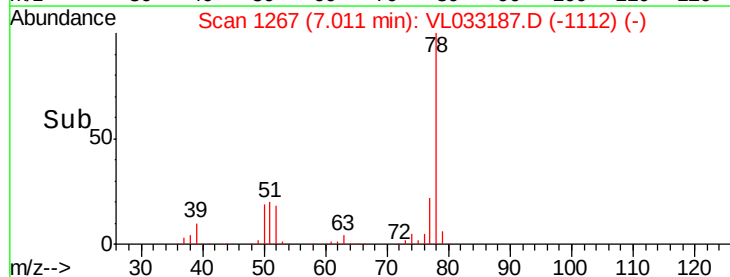
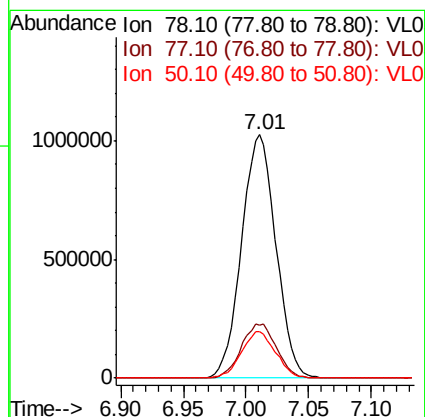
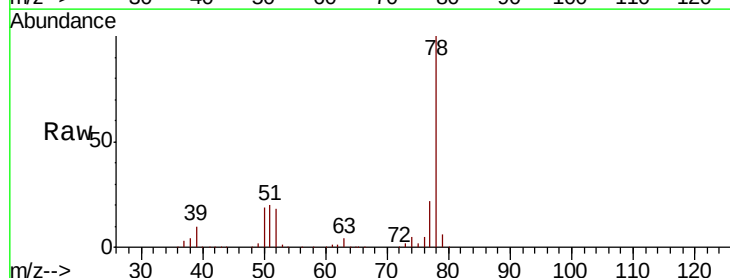
RT: 7.01 min Scan# 1267

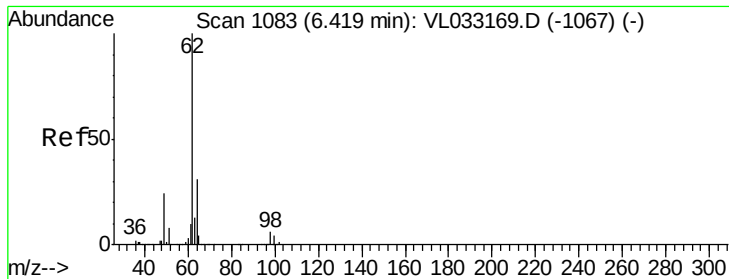
Delta R.T. -0.00 min

Lab File: VL033187.D

Acq: 13 Feb 2019 14:31

Tgt Ion:	78	Resp:	1952252
Ion	Ratio	Lower	Upper
78	100		
77	22.0	18.0	27.0
50	19.0	14.2	21.2





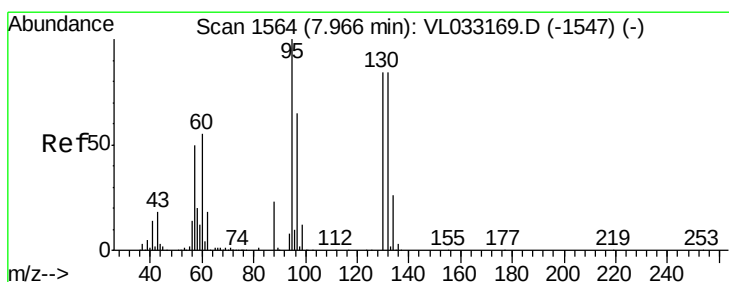
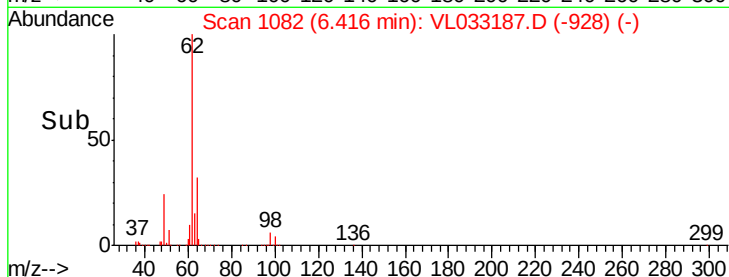
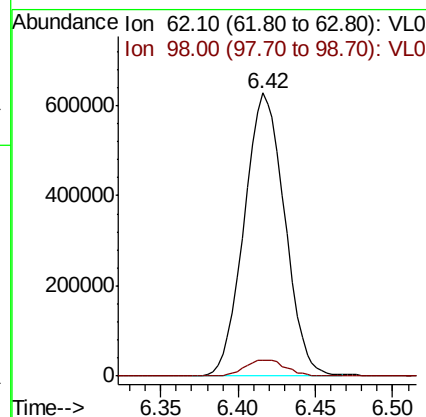
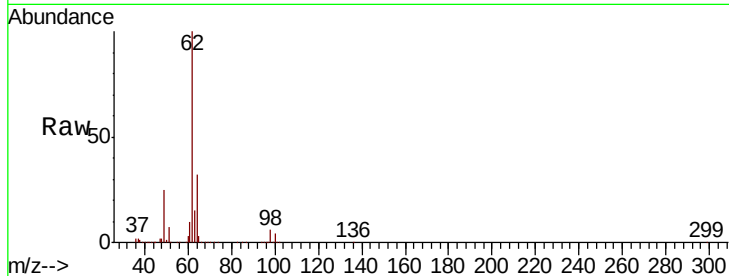
#37
1,2-Dichloroethane
Concen: 9.690 ppbv
RT: 6.42 min Scan# 1082
Delta R.T. -0.00 min
Lab File: VL033187.D
Acq: 13 Feb 2019 14:31

Instrument :
MSVOA_L
ClientSampleId :
VL0213ABS01

Tgt Ion: 62 Resp: 1143871
Ion Ratio Lower Upper
62 100
98 5.9 4.7 7.1

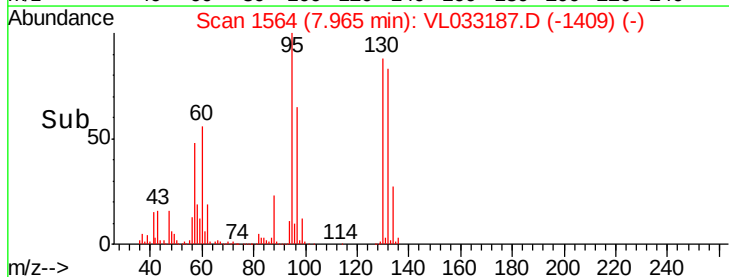
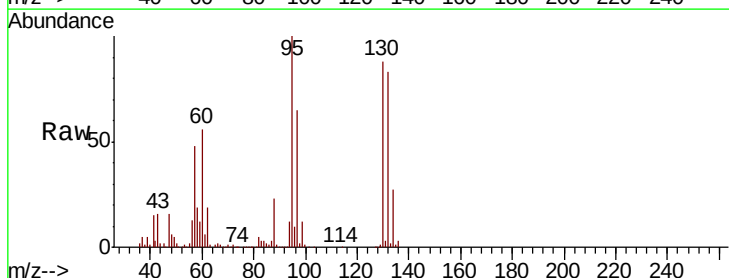
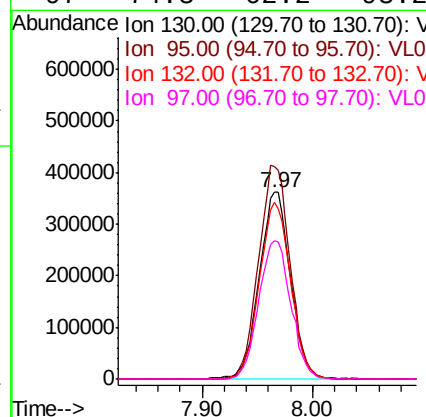
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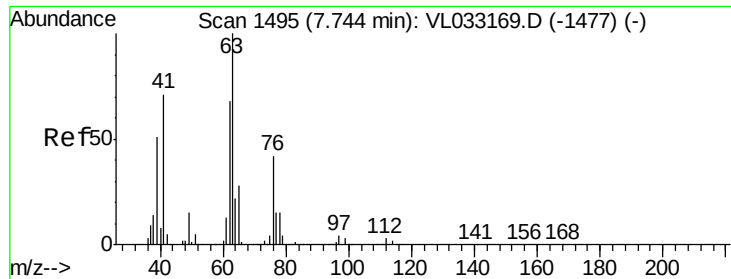
MMDadoda
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#38
Trichloroethene
Concen: 7.808 ppbv
RT: 7.97 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VL033187.D
Acq: 13 Feb 2019 14:31

Tgt Ion: 130 Resp: 710714
Ion Ratio Lower Upper
130 100
95 114.0 95.5 143.3
132 94.3 80.0 120.0
97 74.3 62.2 93.2





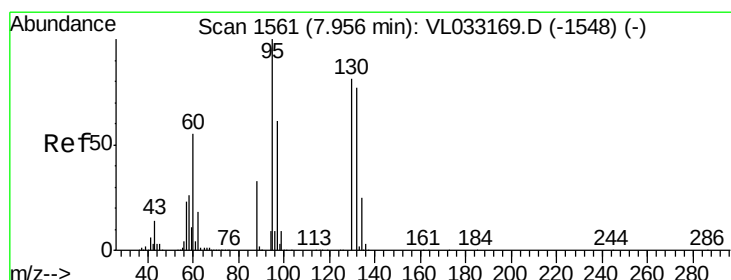
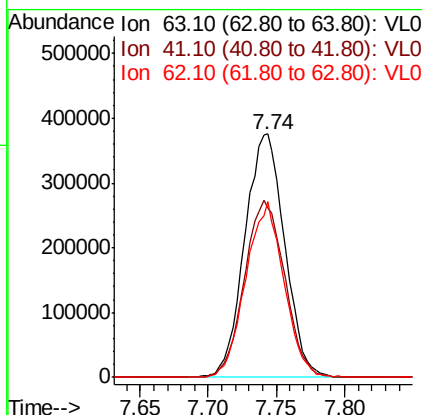
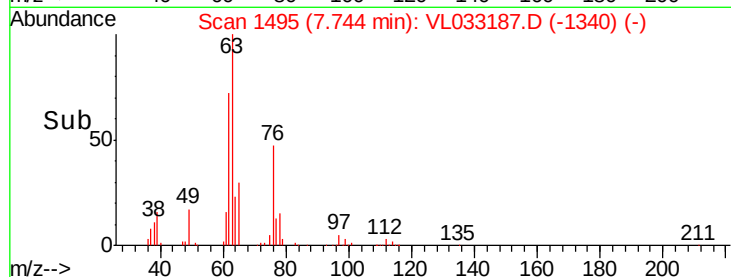
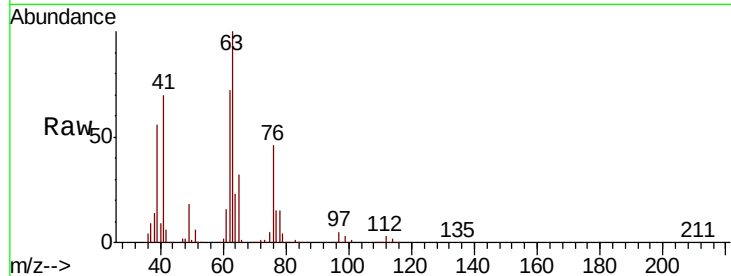
#39
 1,2-Dichloropropane
 Concen: 9.064 ppbv
 RT: 7.74 min Scan# 1495
 Delta R.T. -0.00 min
 Lab File: VL033187.D
 Acq: 13 Feb 2019 14:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0213ABS01

Tgt Ion	Ratio	Lower	Upper
63	100		
41	69.8	56.4	84.6
62	71.9	54.2	81.4

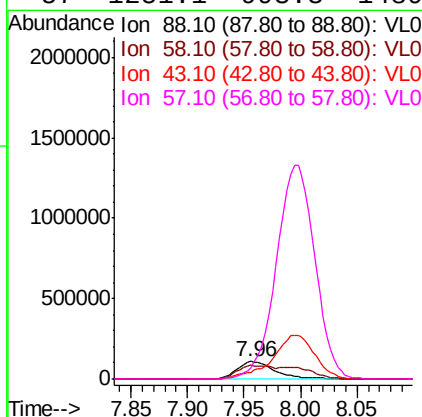
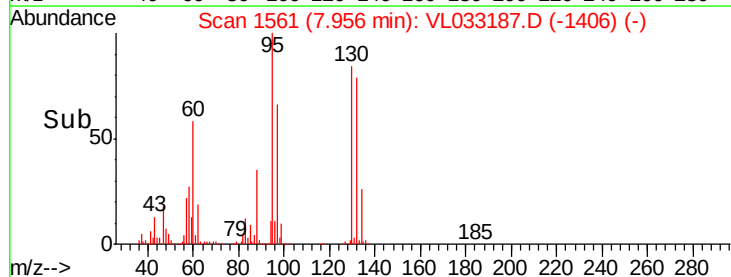
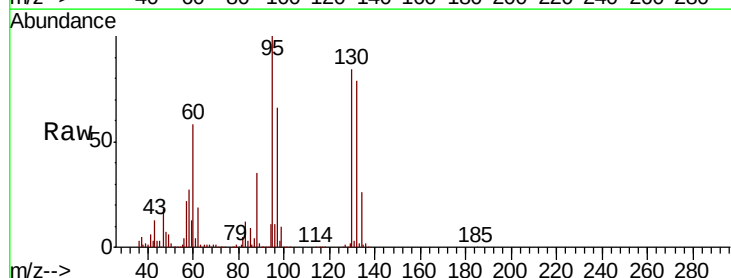
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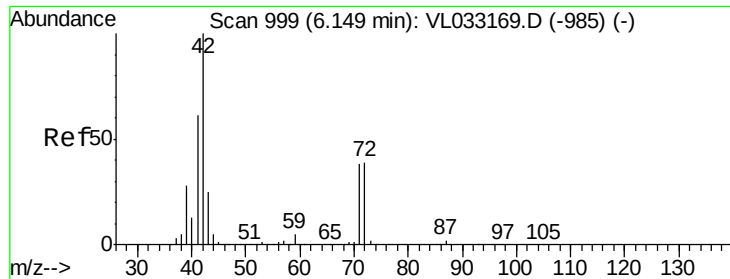
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#40
 1,4-Dioxane
 Concen: 8.444 ppbv
 RT: 7.96 min Scan# 1561
 Delta R.T. -0.00 min
 Lab File: VL033187.D
 Acq: 13 Feb 2019 14:31

Tgt Ion	Ratio	Lower	Upper
88	100		
58	133.4	106.4	159.6
43	279.2	219.6	329.4
57	1251.1	993.3	1489.9





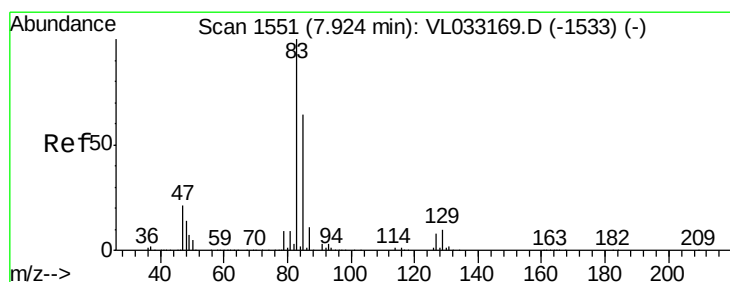
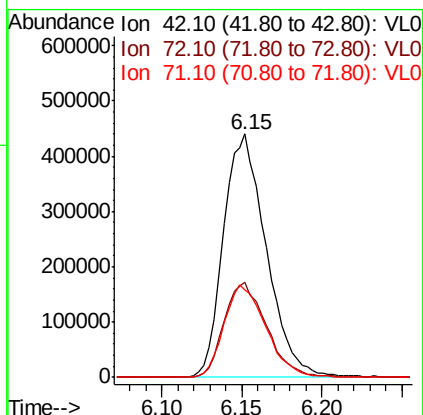
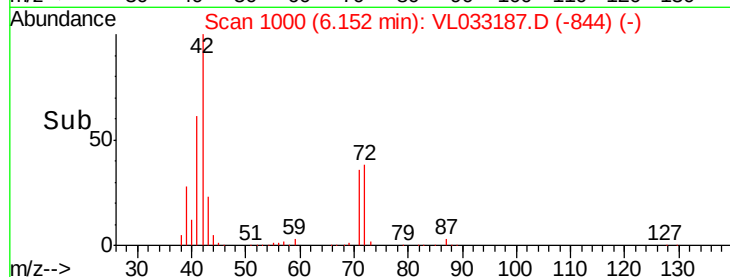
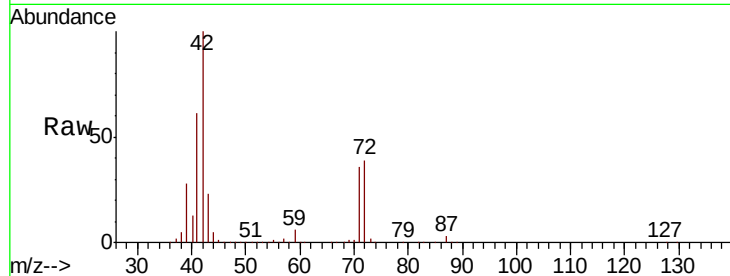
#41
Tetrahydrofuran
Concen: 9.685 ppbv
RT: 6.15 min Scan# 1000
Delta R.T. 0.00 min
Lab File: VL033187.D
Acq: 13 Feb 2019 14:31

Instrument :
MSVOA_L
ClientSampleId :
VL0213ABS01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	39.3	31.4	47.2
71	37.8	30.2	45.2

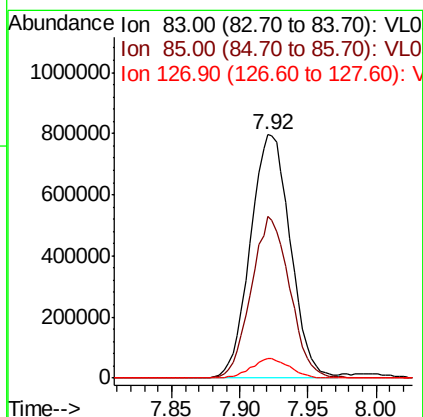
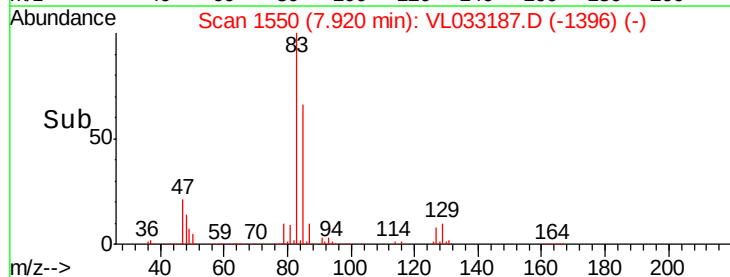
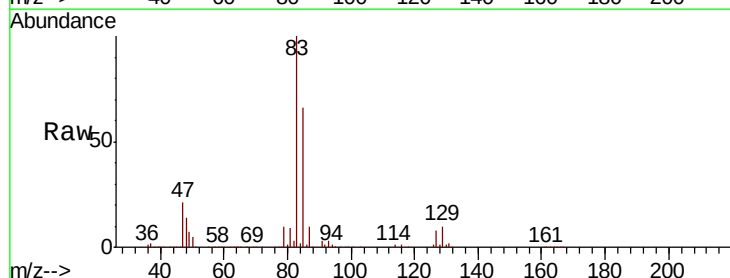
Manual Integrations
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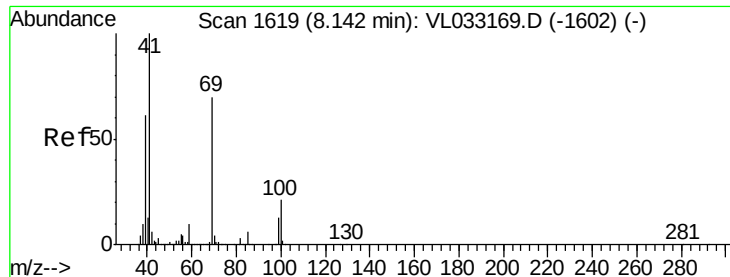
MMDadoda
2/20/2019 12:23:31 PM



#42
Bromodichloromethane
Concen: 9.481 ppbv
RT: 7.92 min Scan# 1550
Delta R.T. -0.00 min
Lab File: VL033187.D
Acq: 13 Feb 2019 14:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.4	51.1	76.7
127	8.2	6.4	9.6





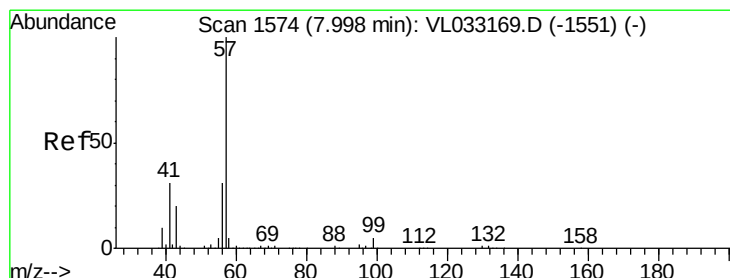
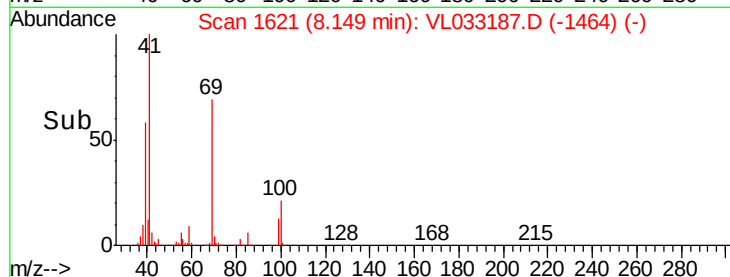
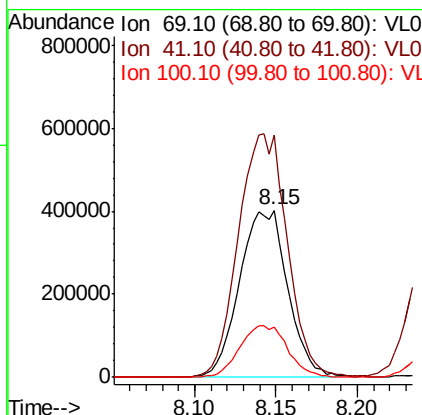
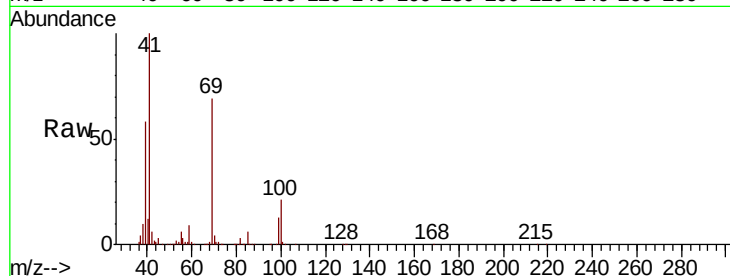
#43
Methyl Methacrylate
Concen: 9.673 ppbv m
RT: 8.15 min Scan# 1621
Delta R.T. 0.01 min
Lab File: VL033187.D
Acq: 13 Feb 2019 14:31

Instrument :
MSVOA_L
ClientSampleId :
VL0213ABS01

Tgt Ion	Ratio	Lower	Upper
69	100		
41	147.9	117.1	175.7
100	30.8	25.0	37.6

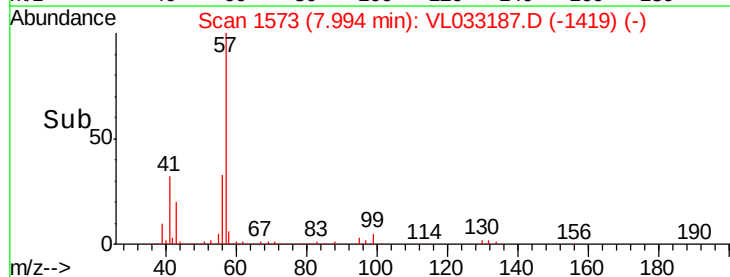
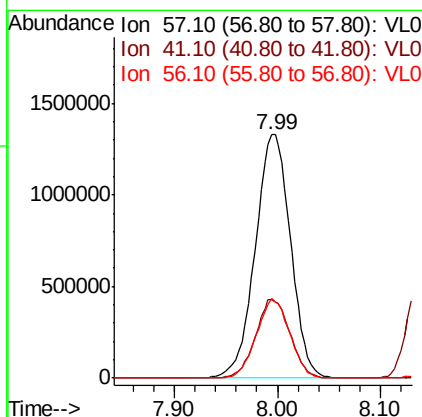
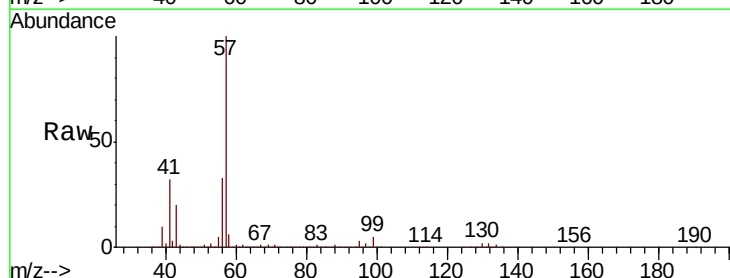
Manual Integrations
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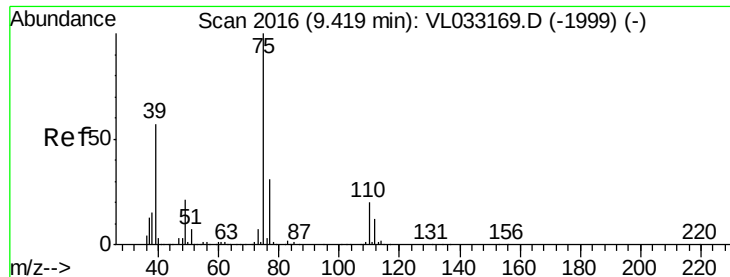
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#44
2,2,4-Trimethylpentane
Concen: 8.730 ppbv
RT: 7.99 min Scan# 1573
Delta R.T. -0.00 min
Lab File: VL033187.D
Acq: 13 Feb 2019 14:31

Tgt Ion	Ratio	Lower	Upper
57	100		
41	31.7	25.2	37.8
56	30.9	24.5	36.7





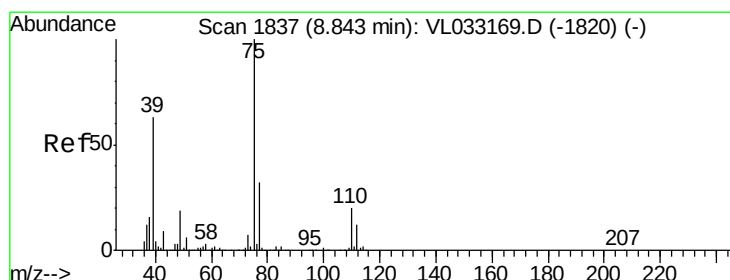
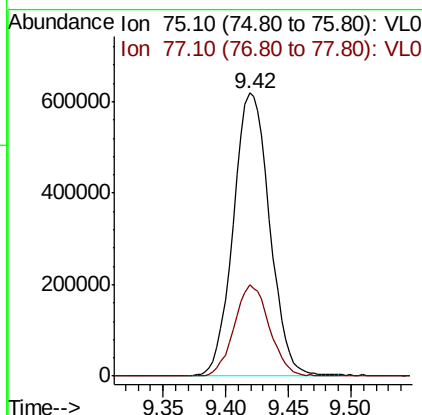
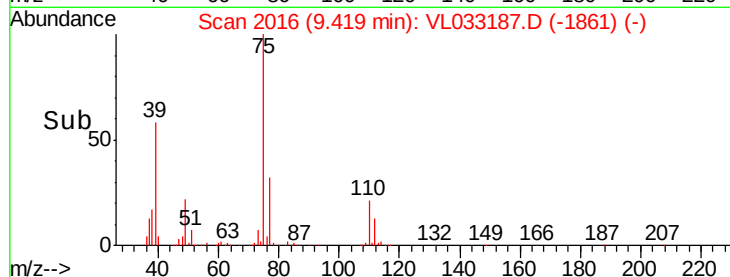
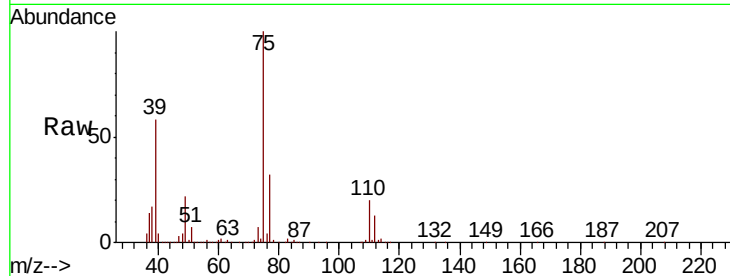
#45
t-1,3-Dichloropropene
Concen: 13.141 ppbv
RT: 9.42 min Scan# 2016
Delta R.T. -0.00 min
Lab File: VL033187.D
Acq: 13 Feb 2019 14:31

Instrument :
MSVOA_L
ClientSampleId :
VL0213ABS01

Tgt Ion: 75 Resp: 1244395
Ion Ratio Lower Upper
75 100
77 32.1 25.0 37.4

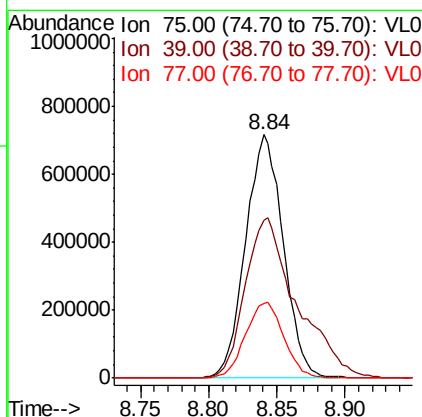
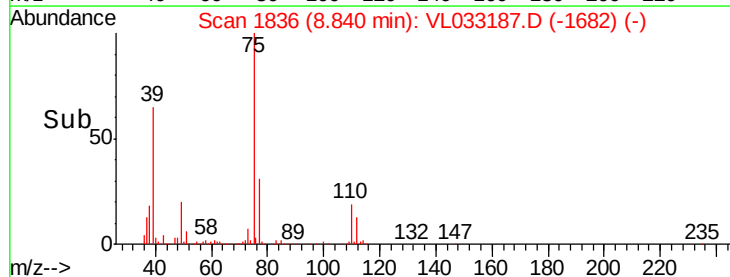
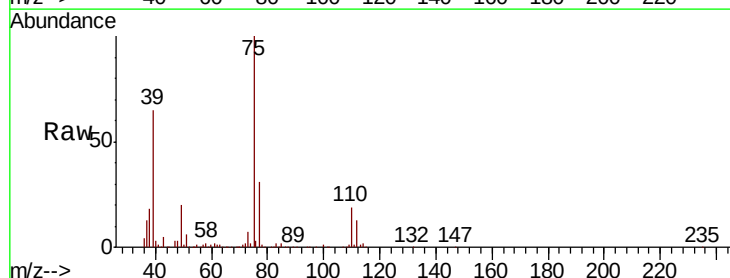
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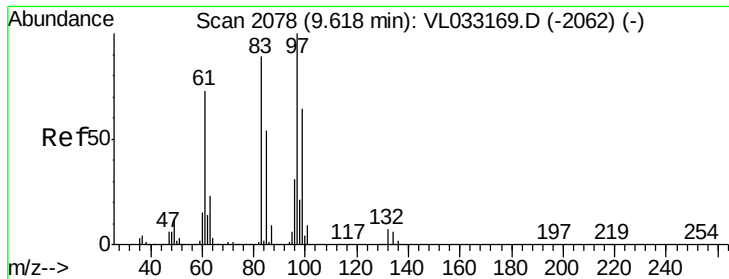
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#46
cis-1,3-Dichloropropene
Concen: 11.373 ppbv
RT: 8.84 min Scan# 1836
Delta R.T. -0.00 min
Lab File: VL033187.D
Acq: 13 Feb 2019 14:31

Tgt Ion: 75 Resp: 1376294
Ion Ratio Lower Upper
75 100
39 64.6 50.1 75.1
77 30.6 25.4 38.2





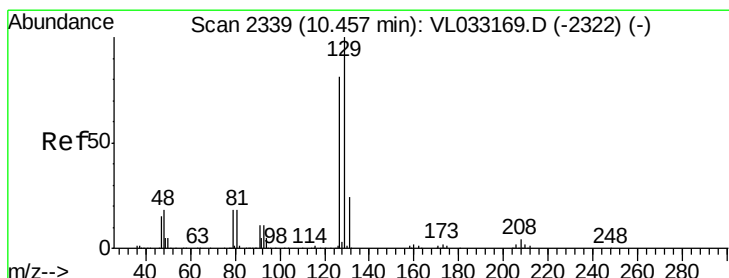
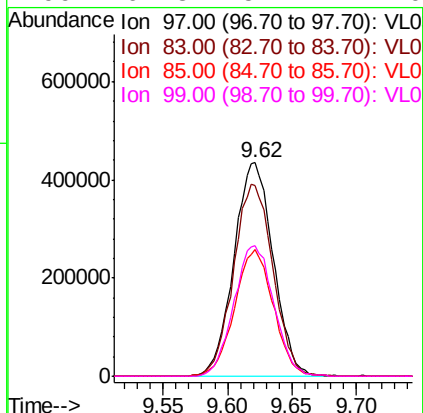
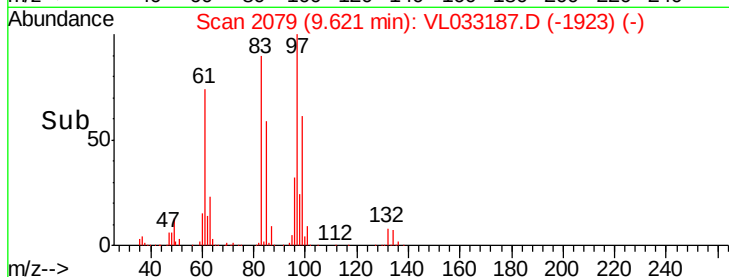
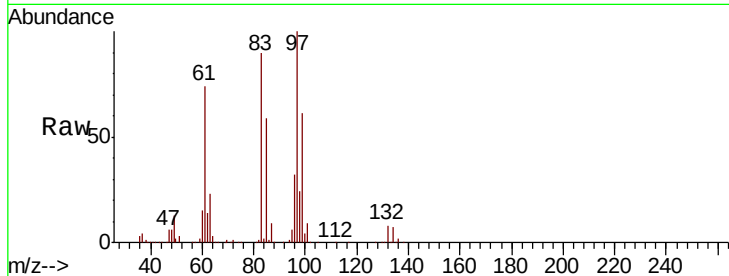
#47
 1,1,2-Trichloroethane
 Concen: 10.550 ppbv
 RT: 9.62 min Scan# 2079
 Delta R.T. 0.00 min
 Lab File: VL033187.D
 Acq: 13 Feb 2019 14:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0213ABS01

Tgt Ion	Ratio	Lower	Upper
97	100		
83	89.5	71.4	107.2
85	59.1	43.5	65.3
99	61.3	51.4	77.0

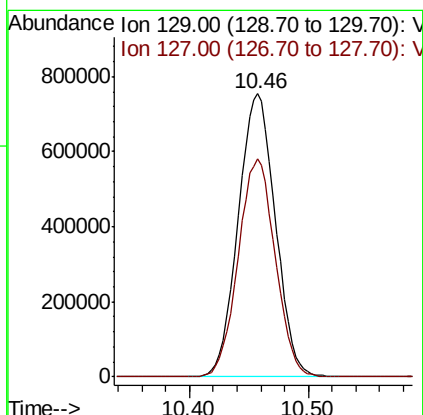
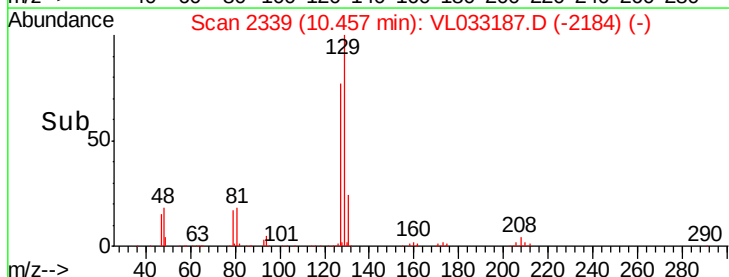
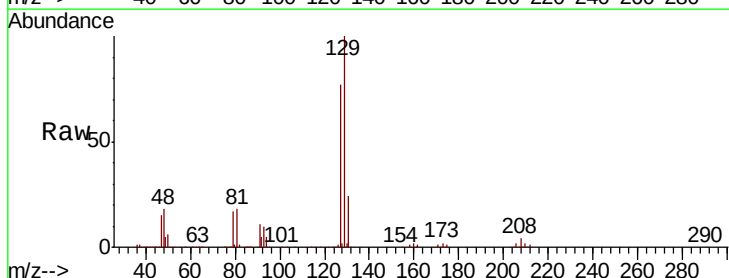
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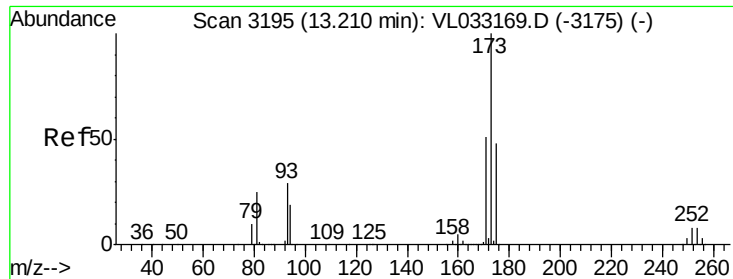
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#48
 Dibromochloromethane
 Concen: 11.869 ppbv
 RT: 10.46 min Scan# 2339
 Delta R.T. -0.00 min
 Lab File: VL033187.D
 Acq: 13 Feb 2019 14:31

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.7	39.1	117.3





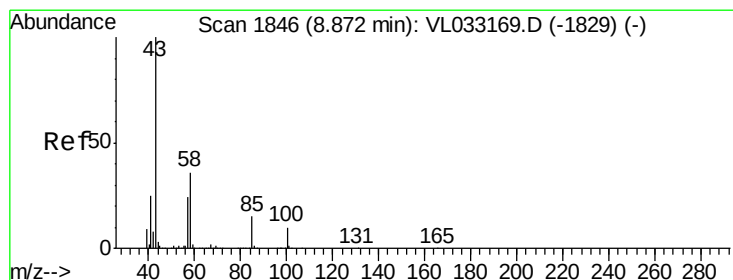
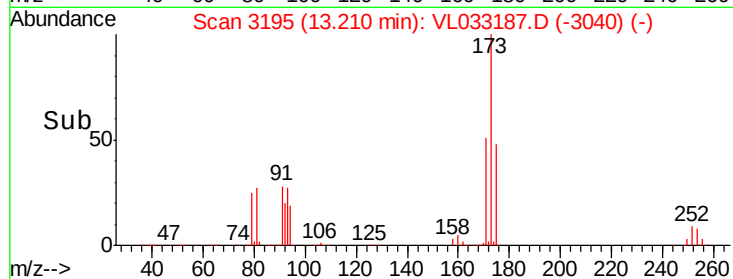
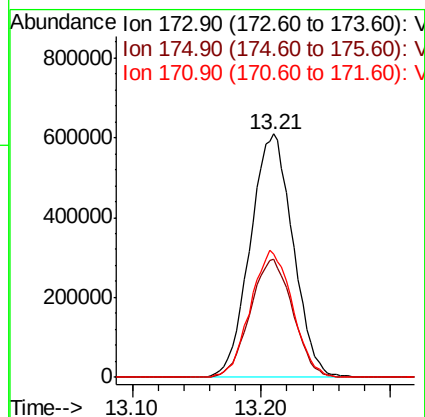
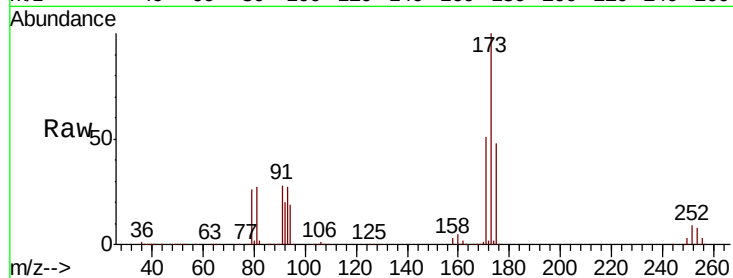
#49
Bromoform
Concen: 11.862 ppbv
RT: 13.21 min Scan# 3195
Delta R.T. -0.00 min
Lab File: VL033187.D
Acq: 13 Feb 2019 14:31

Instrument :
MSVOA_L
ClientSampleId :
VL0213ABS01

Tgt Ion: 173 Resp: 1402845
Ion Ratio Lower Upper
173 100
175 48.5 38.6 58.0
171 51.6 41.6 62.4

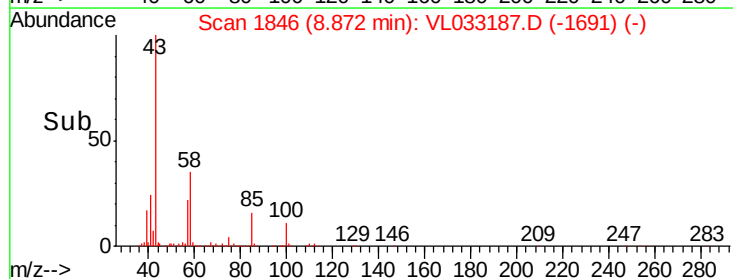
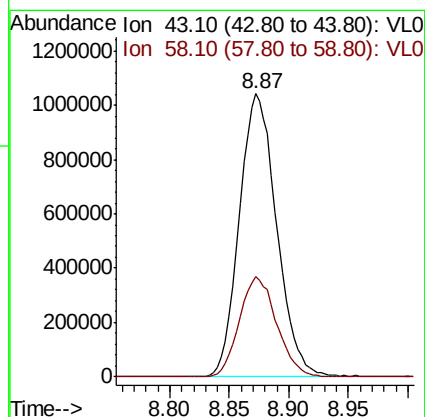
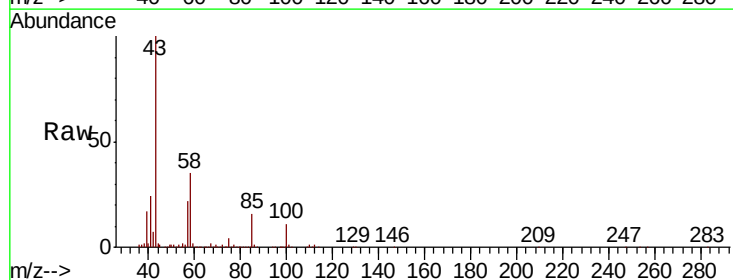
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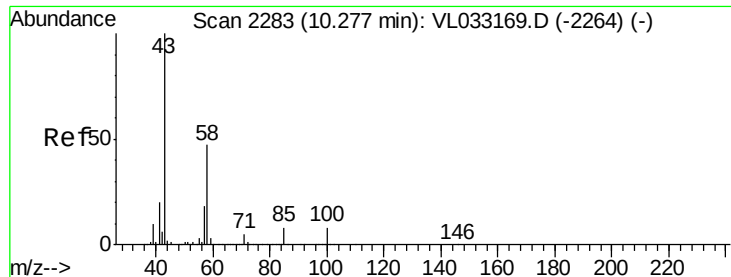
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#50
4-Methyl-2-Pentanone
Concen: 10.569 ppbv
RT: 8.87 min Scan# 1846
Delta R.T. -0.00 min
Lab File: VL033187.D
Acq: 13 Feb 2019 14:31

Tgt Ion: 43 Resp: 2259460
Ion Ratio Lower Upper
43 100
58 35.7 29.0 43.6





#51

2-Hexanone

Concen: 11.159 ppbv

RT: 10.27 min Scan# 2282

Delta R.T. -0.00 min

Lab File: VL033187.D

Acq: 13 Feb 2019 14:31

Instrument :

MSVOA_L

ClientSampleId :

VL0213ABS01

Tgt Ion: 43 Resp: 1880823

Ion Ratio Lower Upper

43 100

58 48.2 39.0 58.6

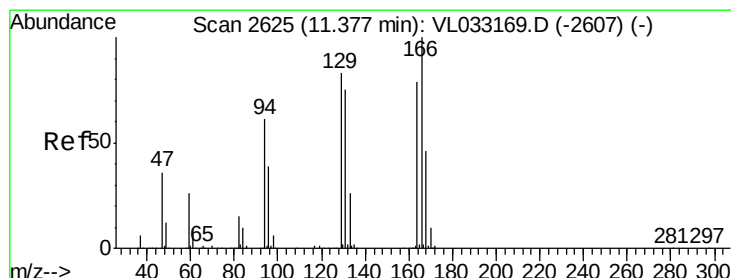
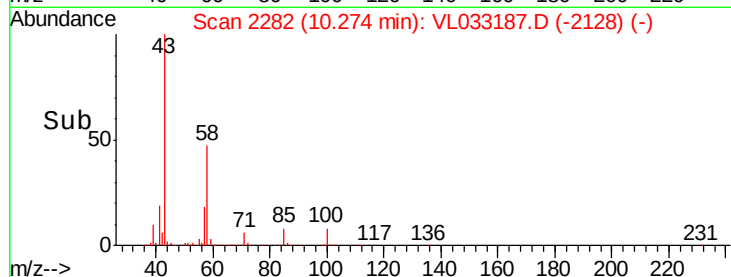
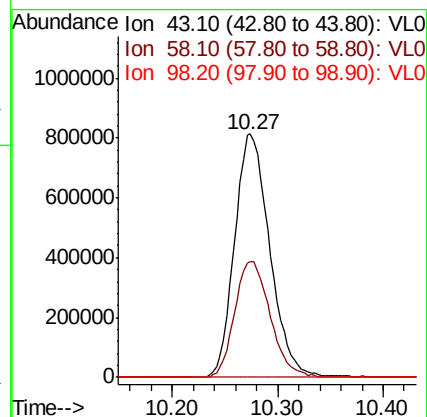
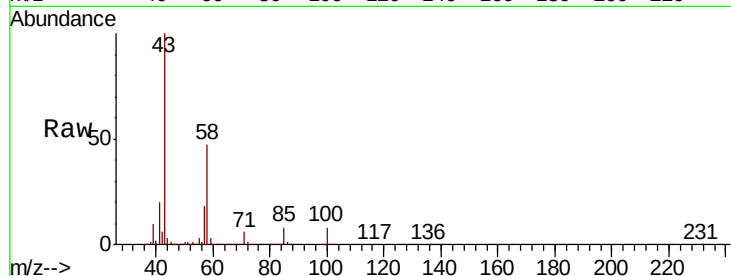
98 0.1 0.1 0.1#

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#52

Tetrachloroethene

Concen: 9.897 ppbv

RT: 11.38 min Scan# 2625

Delta R.T. -0.00 min

Lab File: VL033187.D

Acq: 13 Feb 2019 14:31

Tgt Ion: 164 Resp: 809906

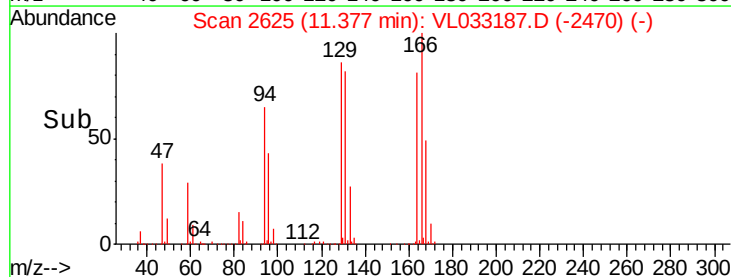
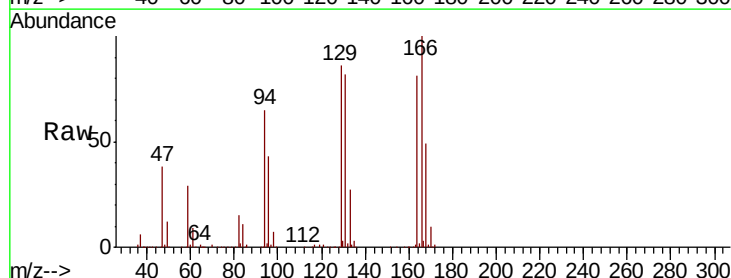
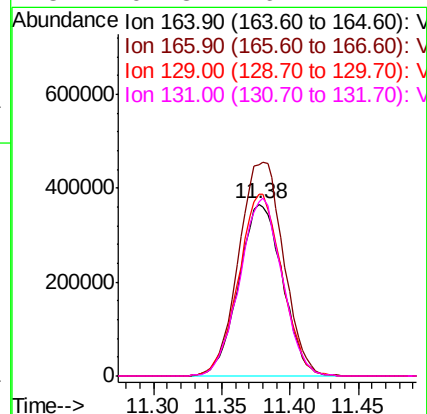
Ion Ratio Lower Upper

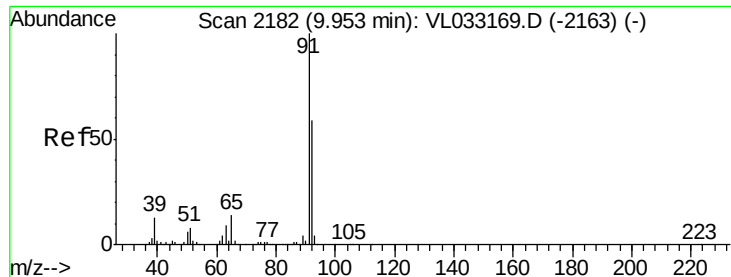
164 100

166 123.2 100.9 151.3

129 106.0 83.9 125.9

131 101.3 76.2 114.2





#53

Toluene

Concen: 10.638 ppbv

RT: 9.95 min Scan# 2182

Delta R.T. -0.00 min

Lab File: VL033187.D

Acq: 13 Feb 2019 14:31

Instrument :

MSVOA_L

ClientSampleId :

VL0213ABS01

Tgt Ion: 91 Resp: 2683100

Ion Ratio Lower Upper

91 100

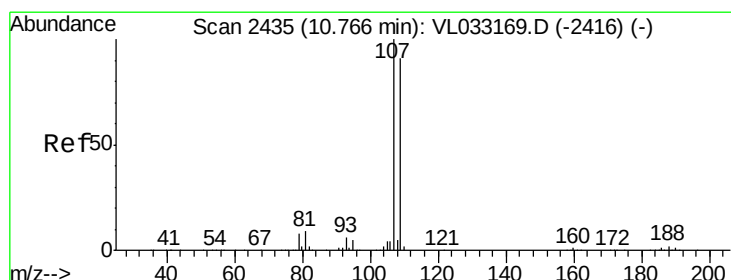
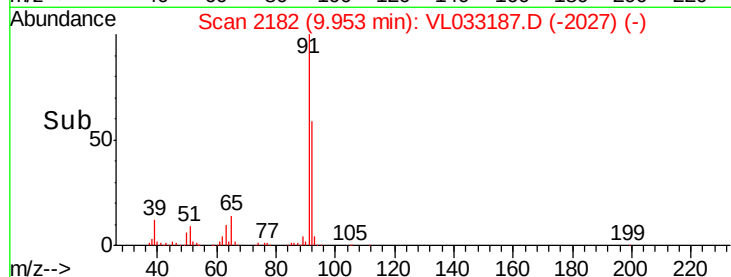
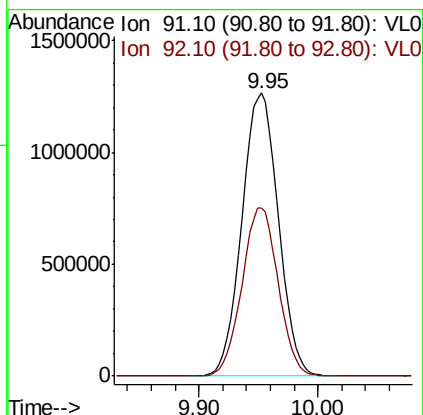
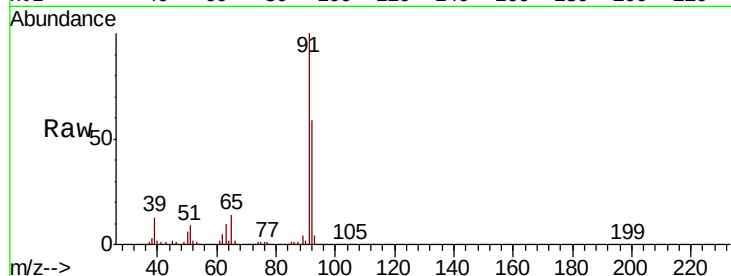
92 59.3 48.0 72.0

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#54

1,2-Dibromoethane

Concen: 10.806 ppbv

RT: 10.77 min Scan# 2435

Delta R.T. -0.00 min

Lab File: VL033187.D

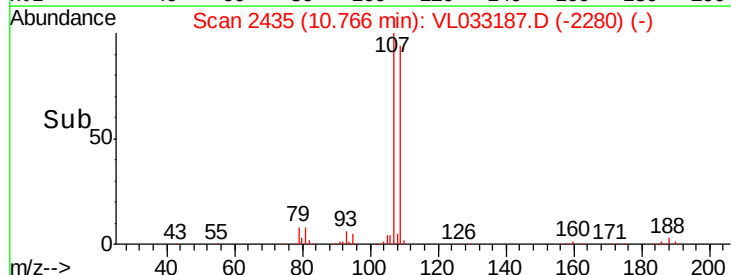
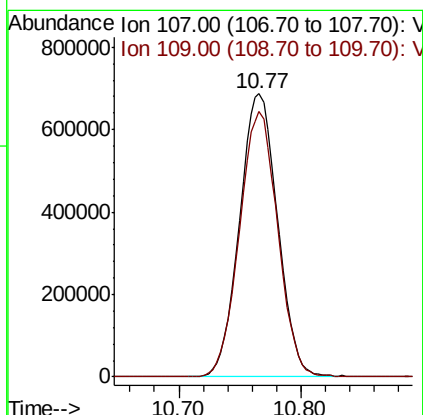
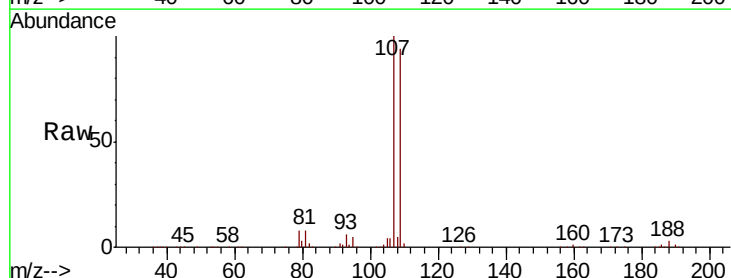
Acq: 13 Feb 2019 14:31

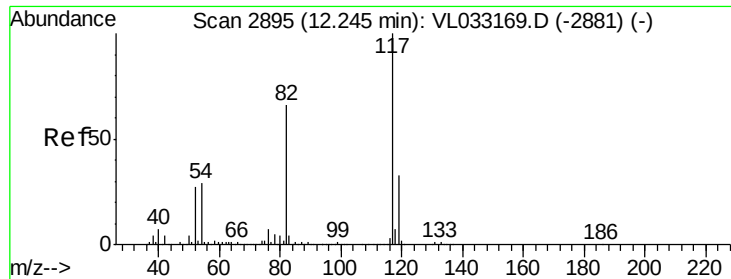
Tgt Ion: 107 Resp: 1479366

Ion Ratio Lower Upper

107 100

109 93.6 73.2 109.8





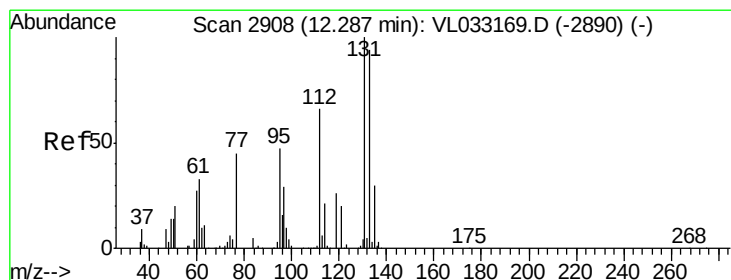
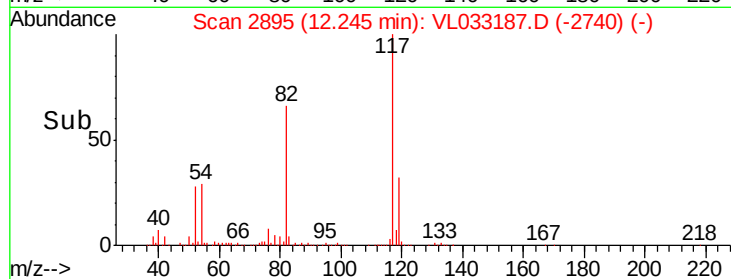
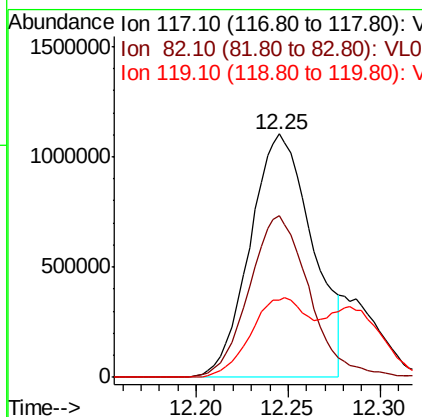
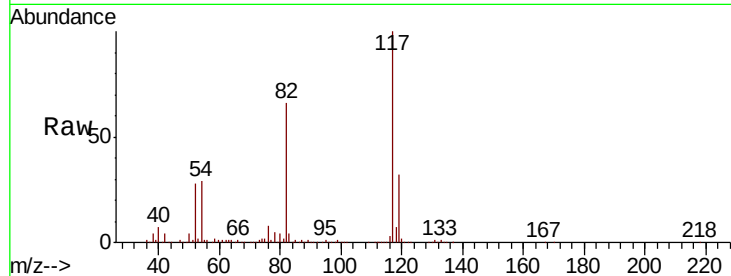
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.25 min Scan# 2895
Delta R.T. -0.00 min
Lab File: VL033187.D
Acq: 13 Feb 2019 14:31

Instrument :
MSVOA_L
ClientSampleId :
VL0213ABS01

Tgt Ion	Ratio	Lower	Upper
117	100		
82	64.5	53.8	80.8
119	33.7	46.9	70.3#

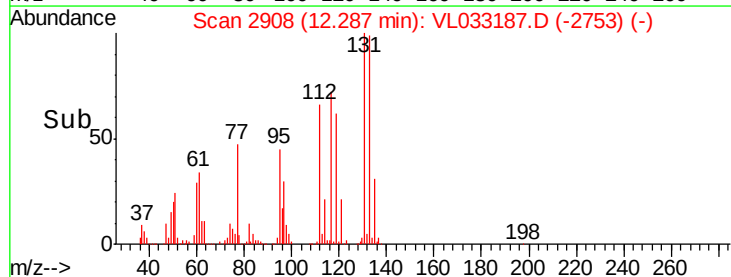
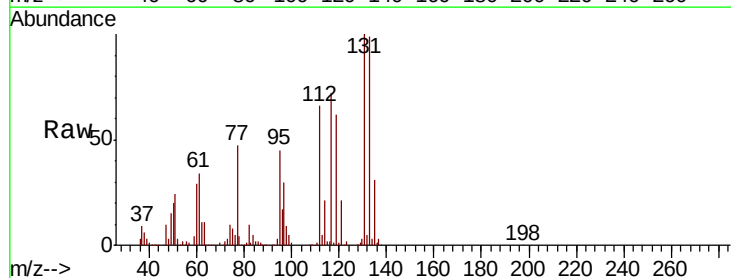
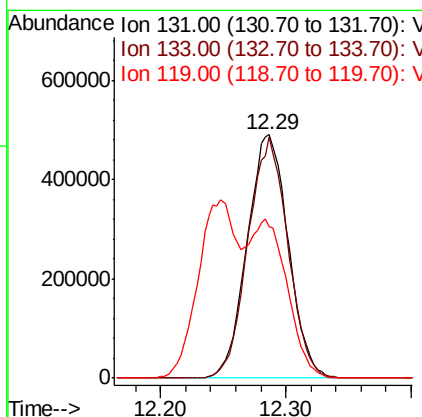
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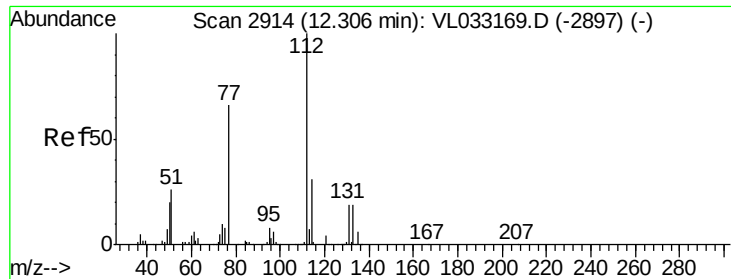
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.168 ppbv
RT: 12.29 min Scan# 2908
Delta R.T. -0.00 min
Lab File: VL033187.D
Acq: 13 Feb 2019 14:31

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.0	75.8	113.6
119	53.7	48.1	72.1





#57

Chlorobenzene

Concen: 8.368 ppbv

RT: 12.31 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VL033187.D

Acq: 13 Feb 2019 14:31

Instrument :

MSVOA_L

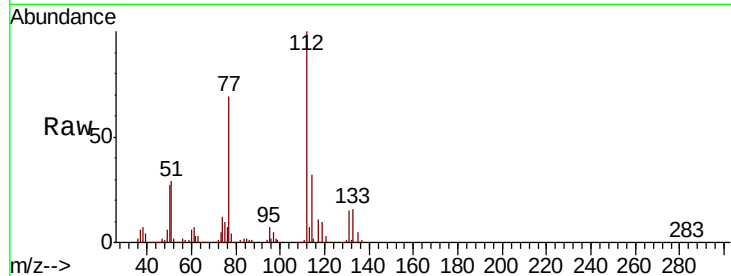
ClientSampleId :

VL0213ABS01

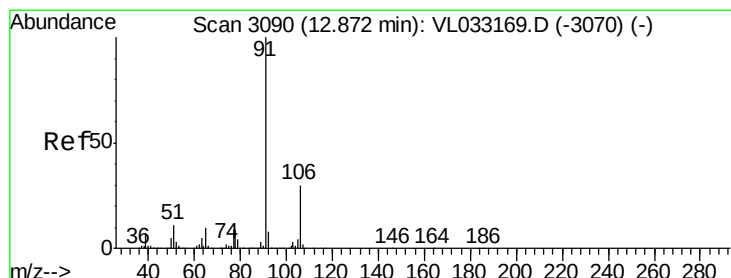
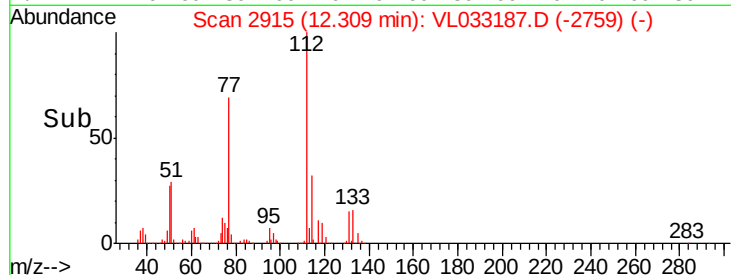
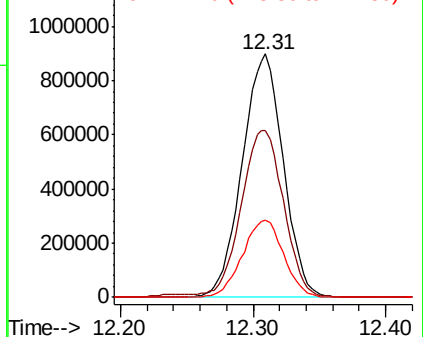
Tgt Ion:	112	Resp:	1930416
Ion	Ratio	Lower	Upper
112	100		
77	68.5	54.0	81.0
114	31.5	27.9	34.1

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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: 8.532 ppbv

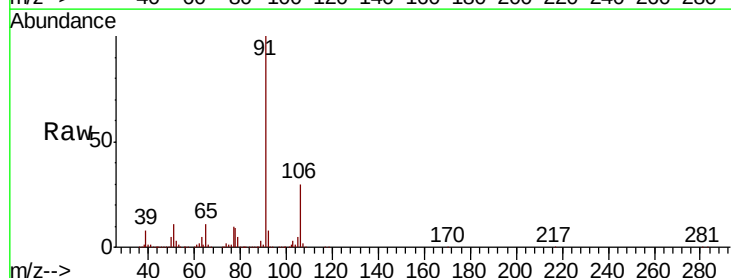
RT: 12.87 min Scan# 3089

Delta R.T. -0.00 min

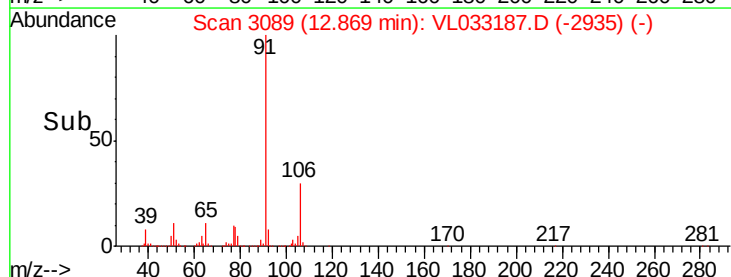
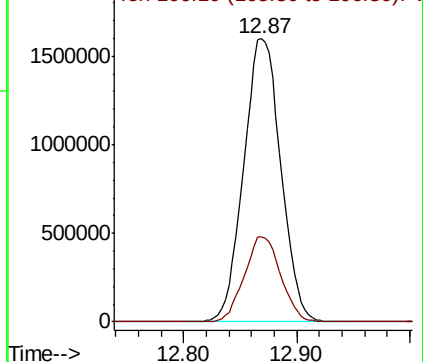
Lab File: VL033187.D

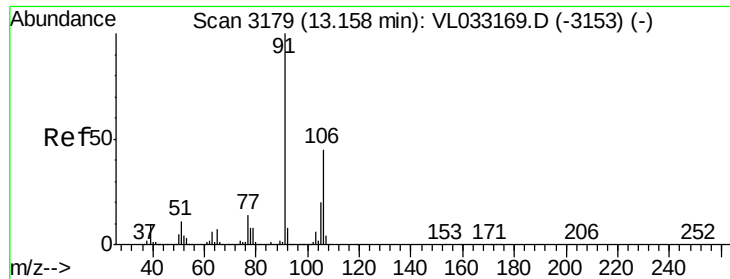
Acq: 13 Feb 2019 14:31

Tgt Ion:	91	Resp:	3651112
Ion	Ratio	Lower	Upper
91	100		
106	30.1	23.8	35.8



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





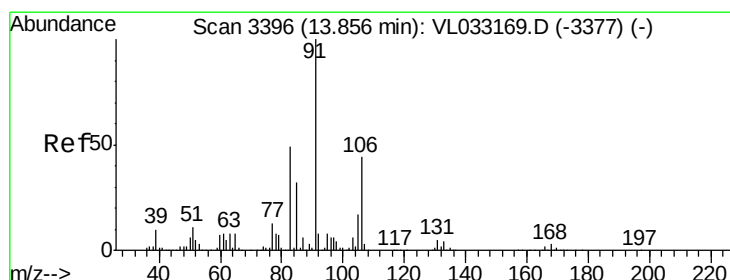
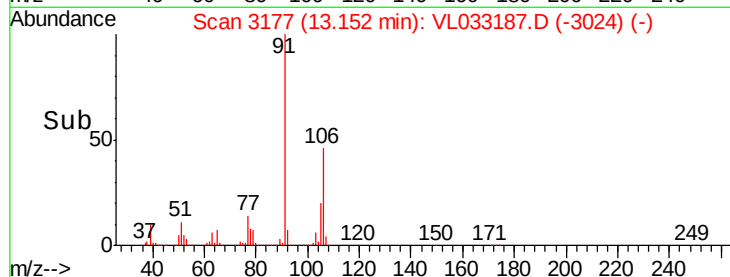
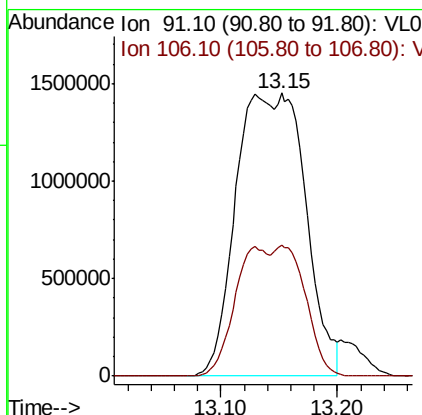
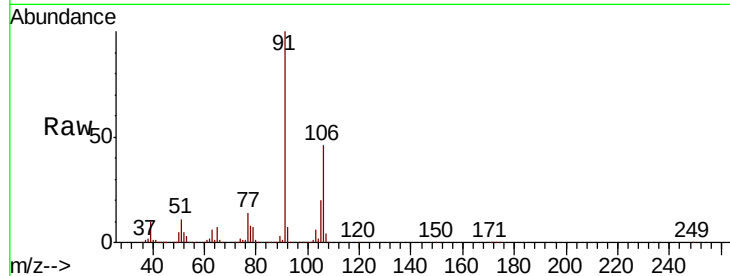
#59
m/p-Xylene
Concen: 16.841 ppbv m
RT: 13.15 min Scan# 3177
Delta R.T. -0.01 min
Lab File: VL033187.D
Acq: 13 Feb 2019 14:31

Instrument :
MSVOA_L
ClientSampleId :
VL0213ABS01

Tgt Ion: 91 Resp: 5994732
Ion Ratio Lower Upper
91 100
106 0.0 36.6 55.0#

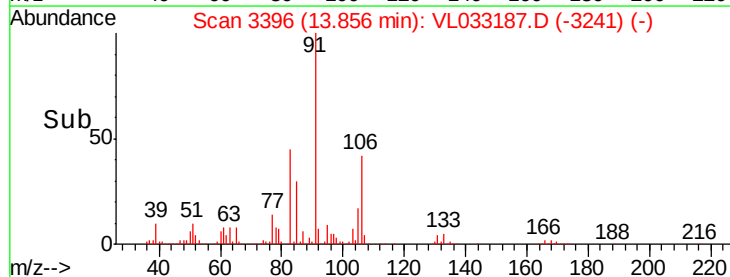
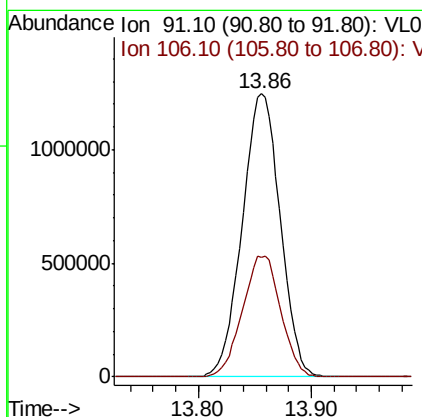
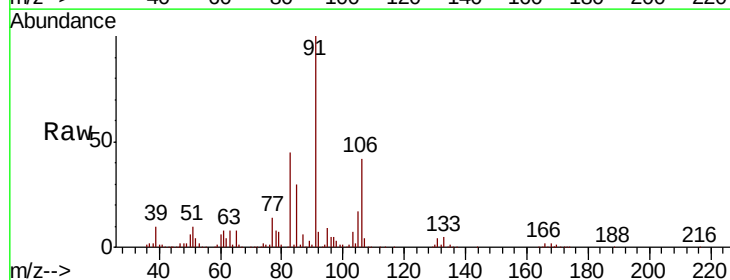
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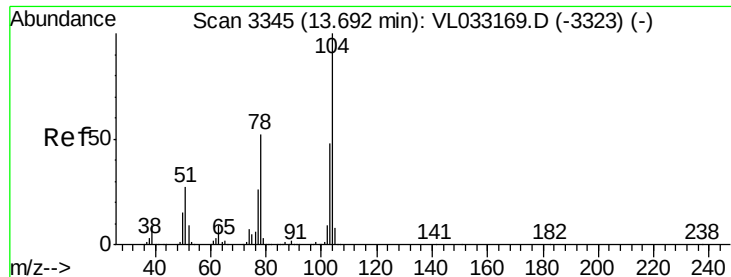
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#60
o-Xylene
Concen: 8.375 ppbv
RT: 13.86 min Scan# 3396
Delta R.T. -0.00 min
Lab File: VL033187.D
Acq: 13 Feb 2019 14:31

Tgt Ion: 91 Resp: 2907126
Ion Ratio Lower Upper
91 100
106 43.1 21.8 65.3





#61

Styrene

Concen: 8.580 ppbv

RT: 13.69 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VL033187.D

Acq: 13 Feb 2019 14:31

Instrument :

MSVOA_L

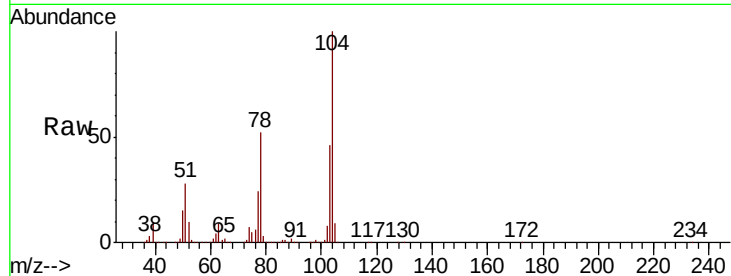
ClientSampleId :

VL0213ABS01

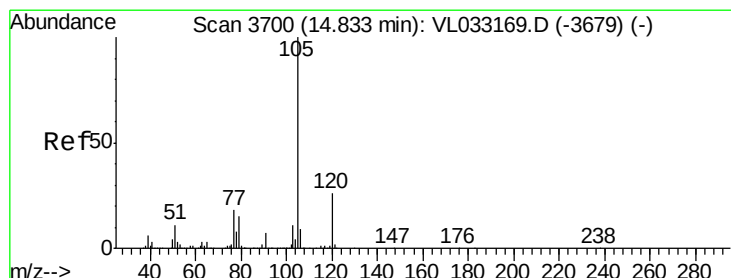
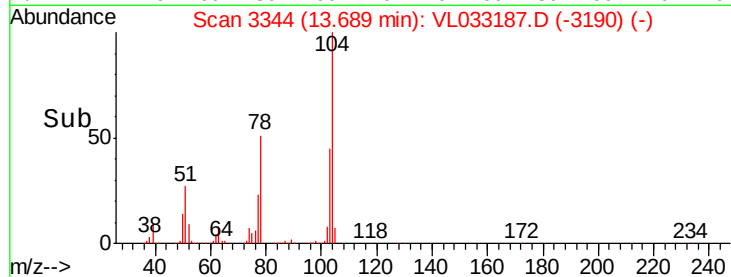
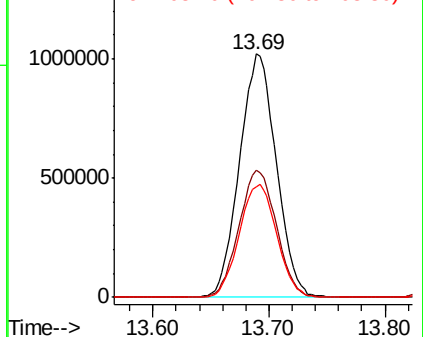
Tgt Ion:104 Resp: 2248261
 Ion Ratio Lower Upper
 104 100
 78 53.2 41.9 62.9
 103 47.5 37.9 56.9

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Abundance Ion 104.10 (103.80 to 104.80): V
 Ion 78.10 (77.80 to 78.80): VL0
 Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 8.368 ppbv

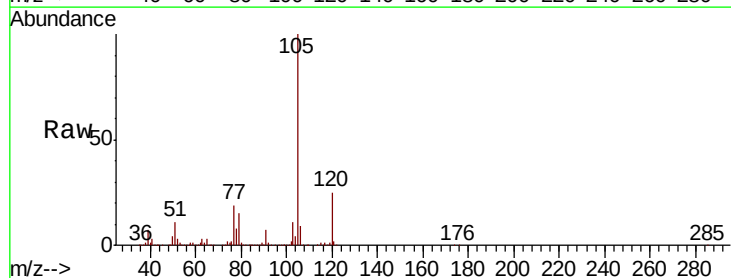
RT: 14.83 min Scan# 3699

Delta R.T. -0.00 min

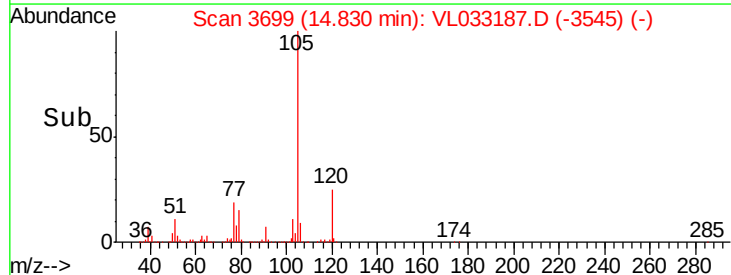
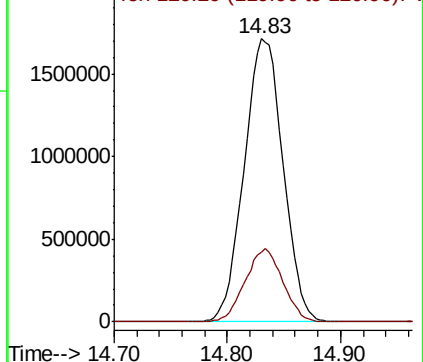
Lab File: VL033187.D

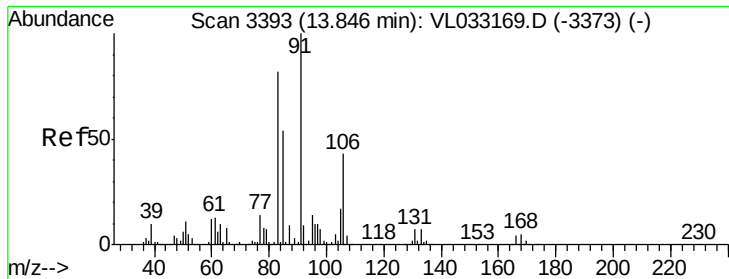
Acq: 13 Feb 2019 14:31

Tgt Ion:105 Resp: 4098248
 Ion Ratio Lower Upper
 105 100
 120 25.0 20.3 30.5



Abundance Ion 105.10 (104.80 to 105.80): V
 Ion 120.20 (119.90 to 120.90): V





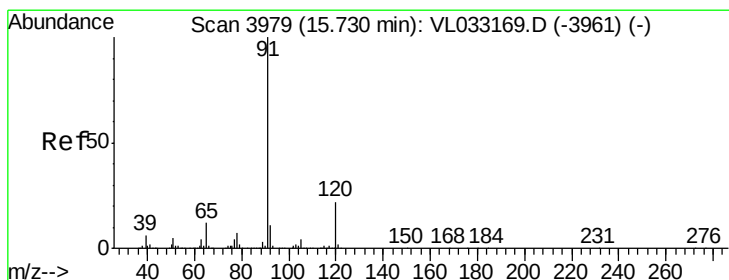
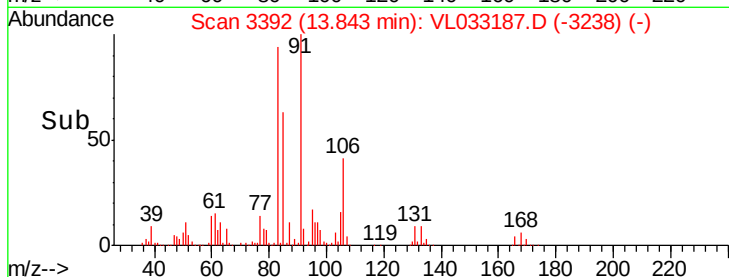
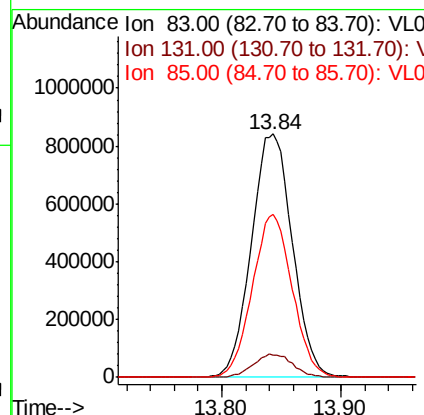
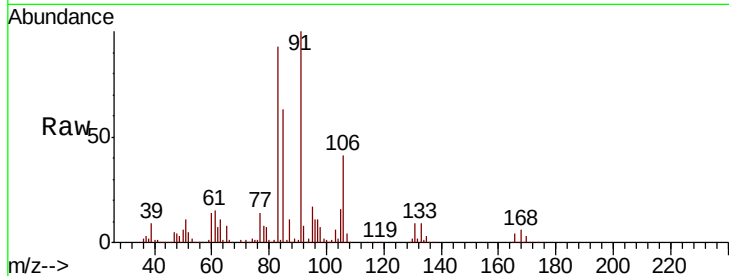
#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.400 ppbv
 RT: 13.84 min Scan# 3392
 Delta R.T. -0.00 min
 Lab File: VL033187.D
 Acq: 13 Feb 2019 14:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0213ABS01

Tgt Ion: 83 Resp: 2005230
 Ion Ratio Lower Upper
 83 100
 131 9.4 4.8 14.3
 85 65.3 32.8 98.3

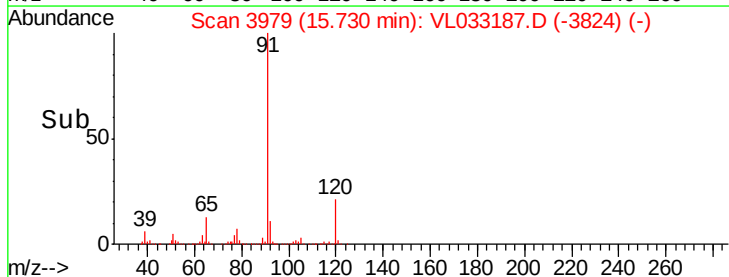
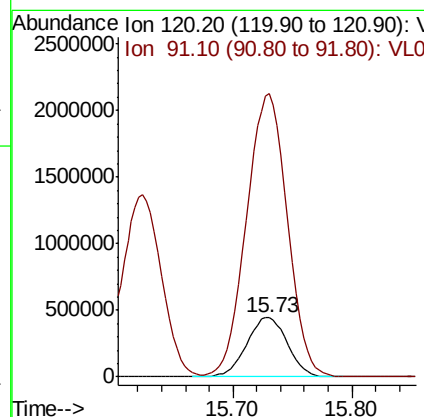
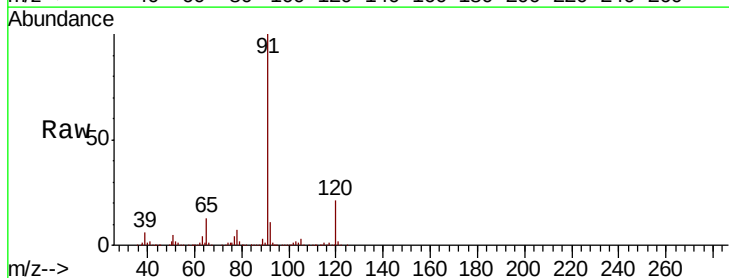
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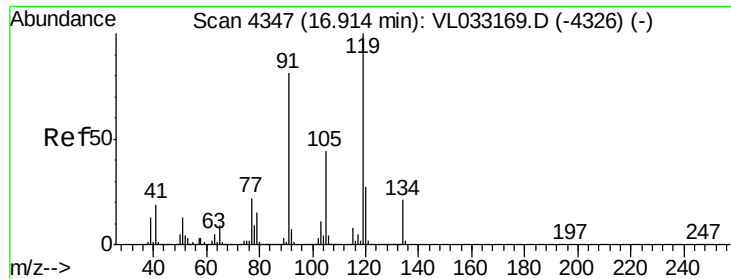
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#64
 n-propylbenzene
 Concen: 8.455 ppbv
 RT: 15.73 min Scan# 3979
 Delta R.T. -0.00 min
 Lab File: VL033187.D
 Acq: 13 Feb 2019 14:31

Tgt Ion: 120 Resp: 1052688
 Ion Ratio Lower Upper
 120 100
 91 481.5 383.9 575.9





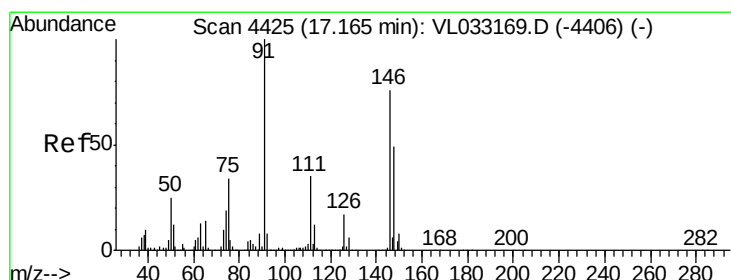
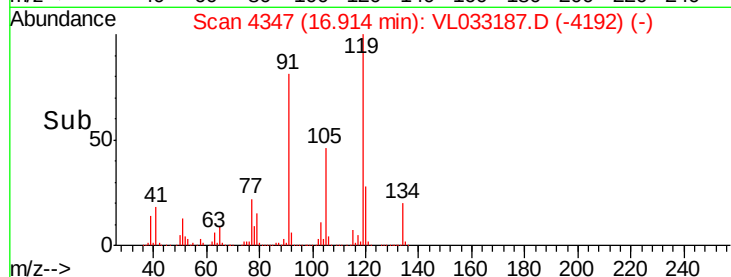
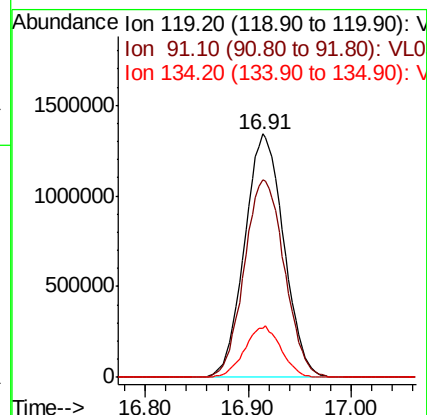
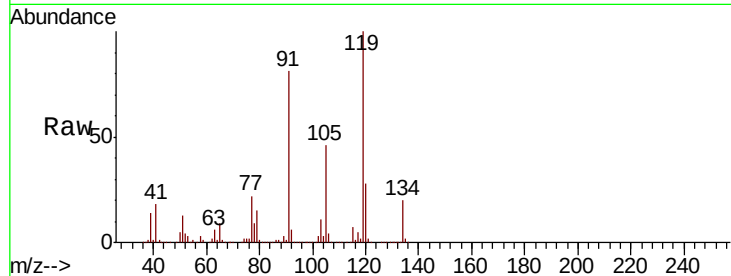
#65
 tert-Butylbenzene
 Concen: 8.292 ppbv
 RT: 16.91 min Scan# 4347
 Delta R.T. -0.00 min
 Lab File: VL033187.D
 Acq: 13 Feb 2019 14:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0213ABS01

Tgt Ion: 119 Resp: 3536137
 Ion Ratio Lower Upper
 119 100
 91 83.3 65.6 98.4
 134 19.4 15.8 23.8

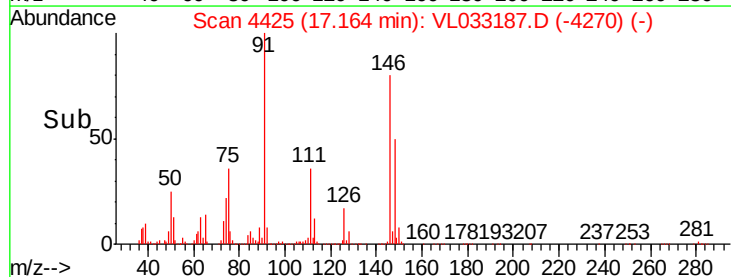
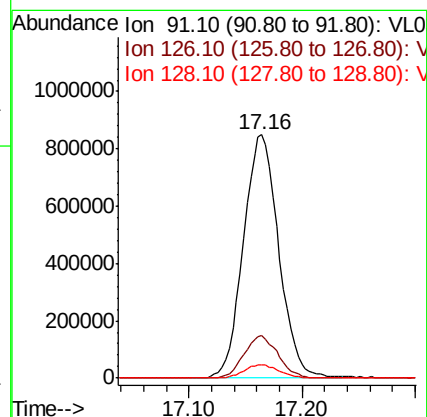
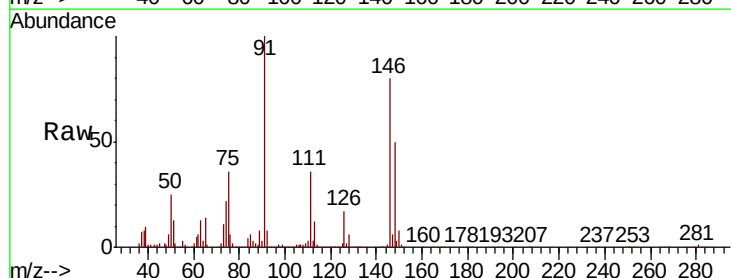
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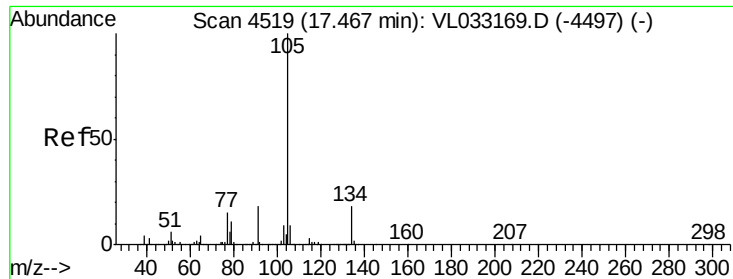
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#66
 Benzyl Chloride
 Concen: 12.087 ppbv
 RT: 17.16 min Scan# 4425
 Delta R.T. -0.00 min
 Lab File: VL033187.D
 Acq: 13 Feb 2019 14:31

Tgt Ion: 91 Resp: 1842029
 Ion Ratio Lower Upper
 91 100
 126 16.8 13.8 20.6
 128 5.4 4.5 6.7





#67

sec-Butylbenzene

Concen: 8.250 ppbv

RT: 17.46 min Scan# 4518

Delta R.T. -0.00 min

Lab File: VL033187.D

Acq: 13 Feb 2019 14:31

Instrument :

MSVOA_L

ClientSampleId :

VL0213ABS01

Tgt Ion: 105 Resp: 5107526

Ion Ratio Lower Upper

105 100

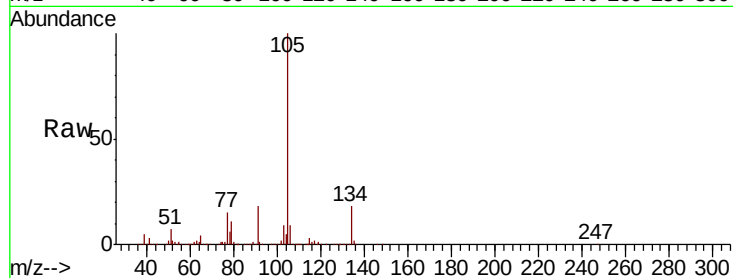
134 18.0 14.6 22.0

Manual Integrations

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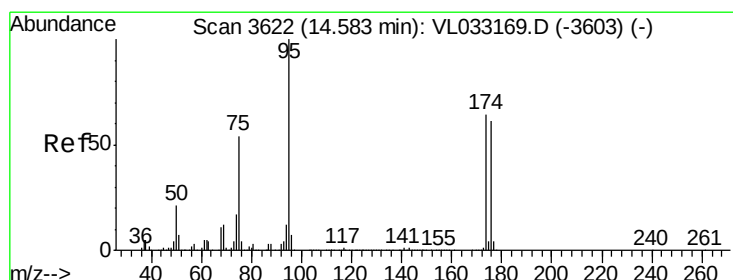
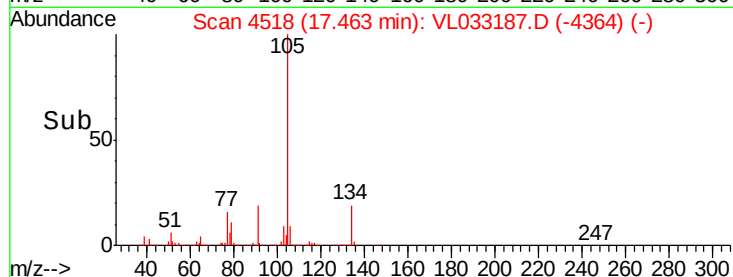
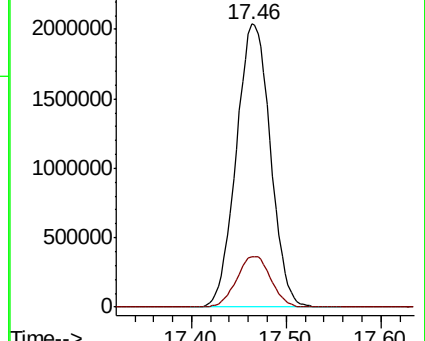
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.363 ppbv

RT: 14.58 min Scan# 3622

Delta R.T. -0.00 min

Lab File: VL033187.D

Acq: 13 Feb 2019 14:31

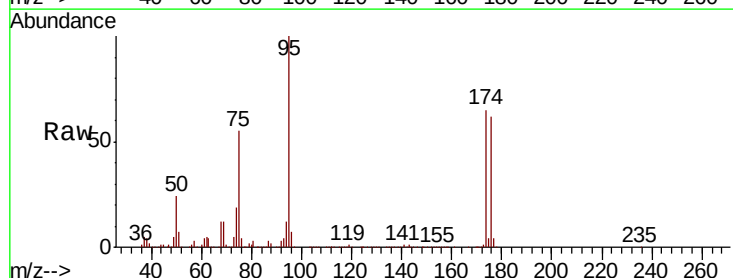
Tgt Ion: 95 Resp: 1902188

Ion Ratio Lower Upper

95 100

174 64.3 51.1 76.7

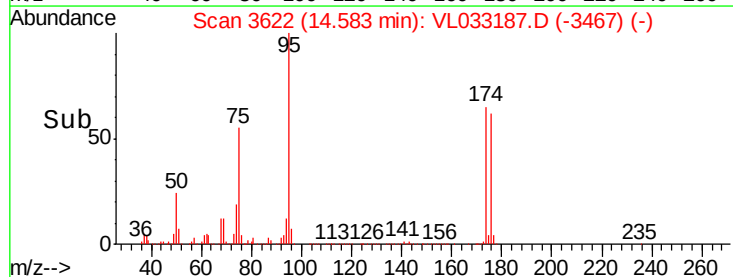
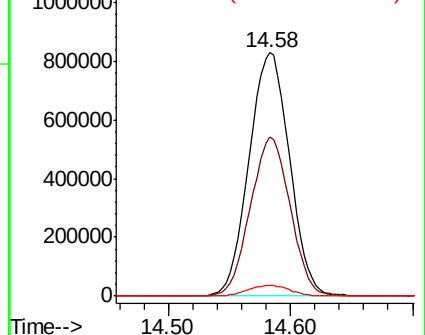
175 4.6 3.8 5.6

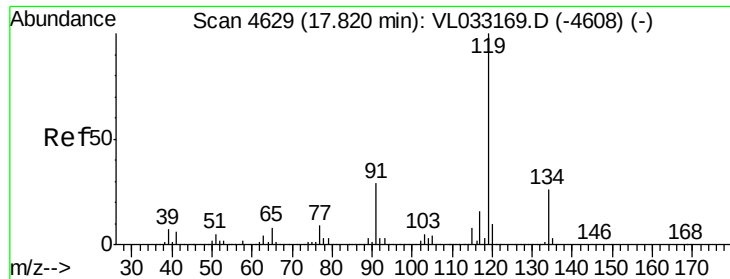


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





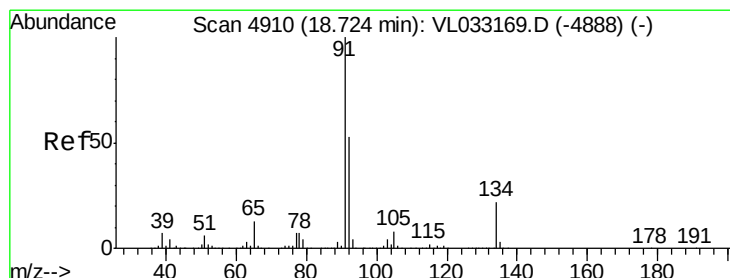
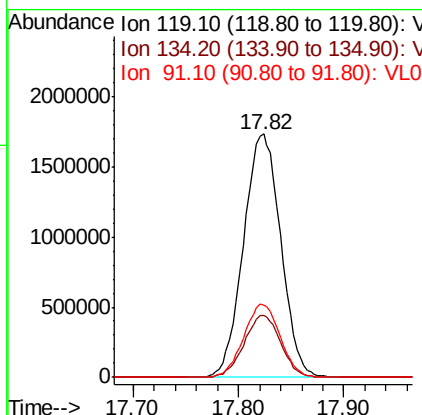
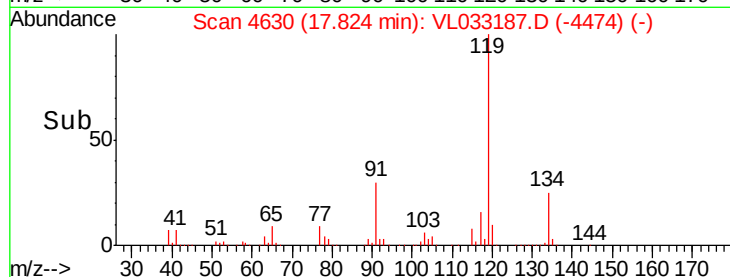
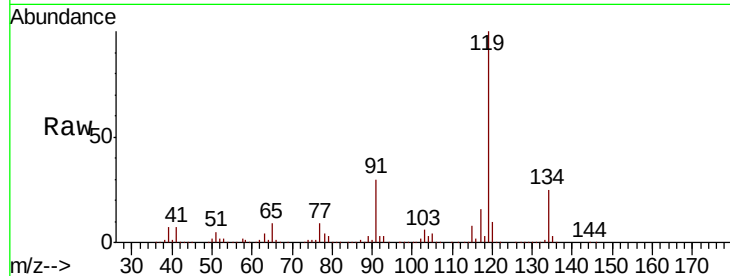
#69
p-Isopropyltoluene
Concen: 8.264 ppbv
RT: 17.82 min Scan# 4630
Delta R.T. 0.00 min
Lab File: VL033187.D
Acq: 13 Feb 2019 14:31

Instrument :
MSVOA_L
ClientSampleId :
VL0213ABS01

Tgt Ion: 119 Resp: 4260823
Ion Ratio Lower Upper
119 100
134 25.0 20.4 30.6
91 29.5 23.4 35.0

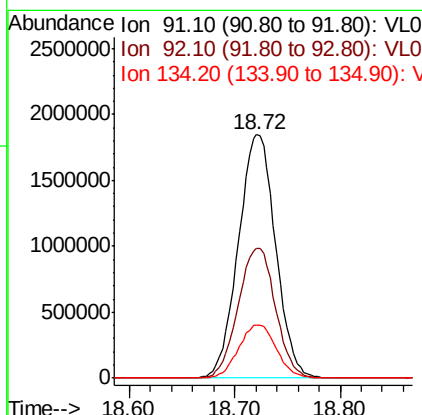
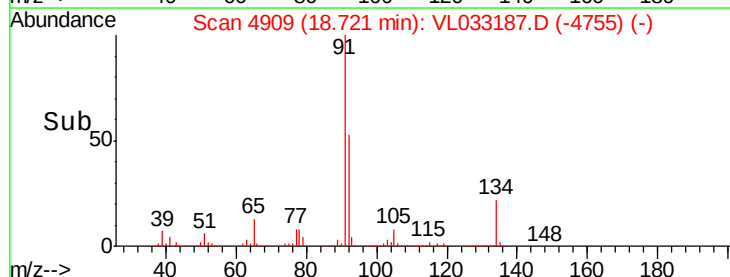
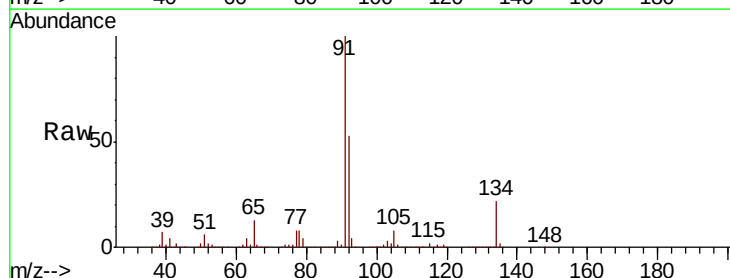
Manual Integrations
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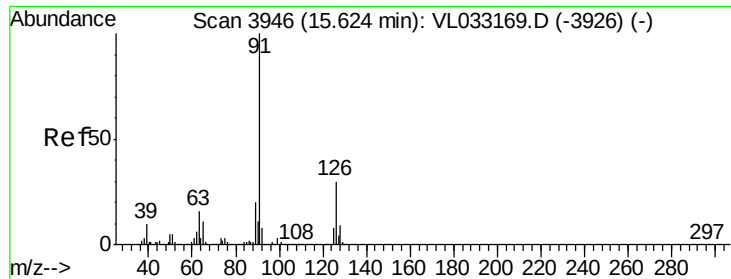
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#70
n-Butylbenzene
Concen: 8.122 ppbv
RT: 18.72 min Scan# 4909
Delta R.T. -0.00 min
Lab File: VL033187.D
Acq: 13 Feb 2019 14:31

Tgt Ion: 91 Resp: 4517539
Ion Ratio Lower Upper
91 100
92 53.9 43.0 64.4
134 22.1 17.5 26.3





#71

2-Chlorotoluene

Concen: 8.311 ppbv

RT: 15.62 min Scan# 3946

Delta R.T. -0.00 min

Lab File: VL033187.D

Acq: 13 Feb 2019 14:31

Instrument :

MSVOA_L

ClientSampleId :

VL0213ABS01

Tgt Ion: 91 Resp: 3197561

Ion Ratio Lower Upper

91 100

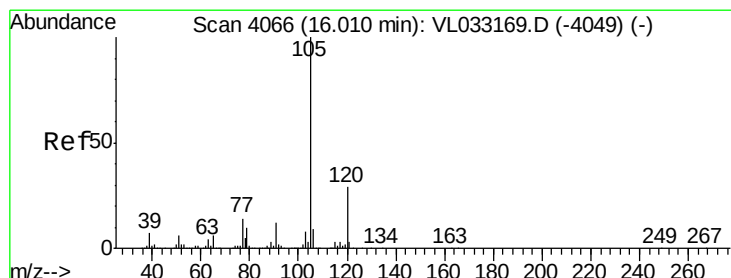
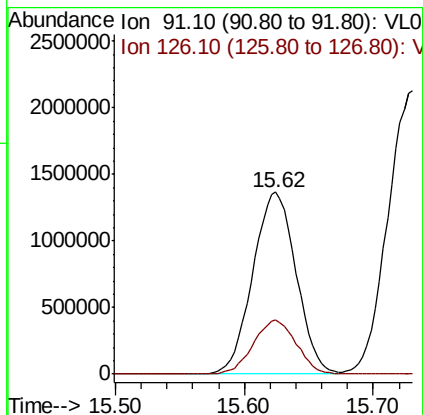
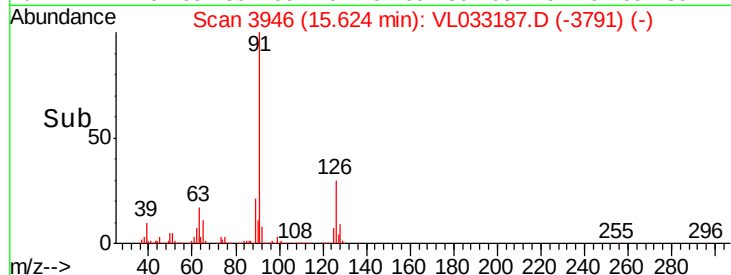
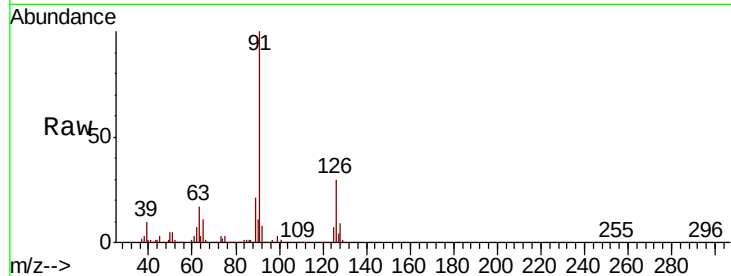
126 29.5 11.8 47.4

Manual Integrations

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#72

4-Ethyltoluene

Concen: 8.493 ppbv

RT: 16.00 min Scan# 4064

Delta R.T. -0.01 min

Lab File: VL033187.D

Acq: 13 Feb 2019 14:31

Tgt Ion: 105 Resp: 3399981

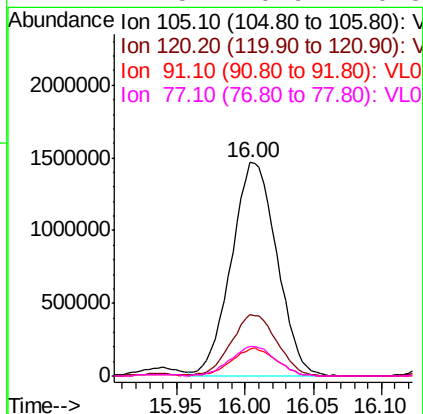
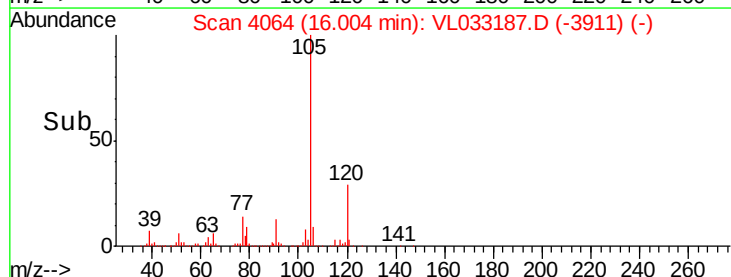
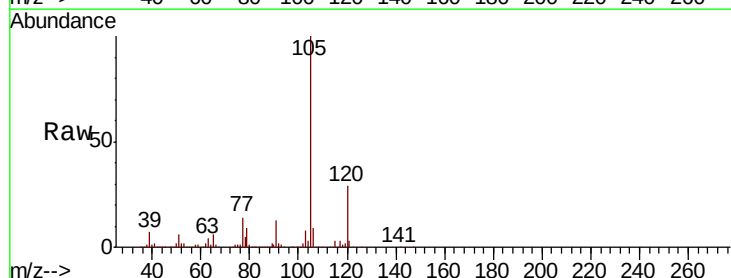
Ion Ratio Lower Upper

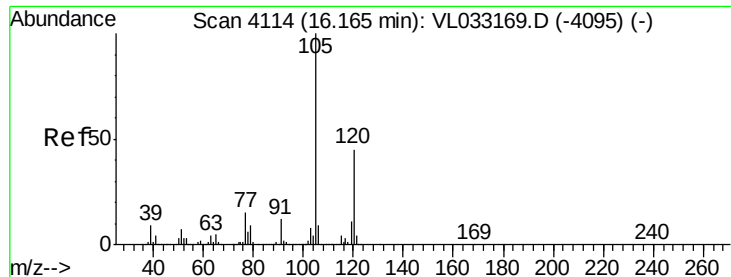
105 100

120 28.9 23.1 34.7

91 12.9 9.8 14.6

77 14.5 10.9 16.3





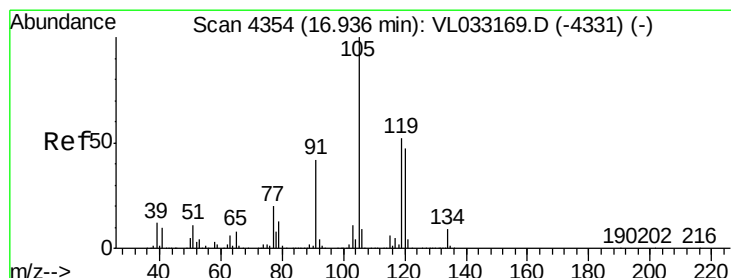
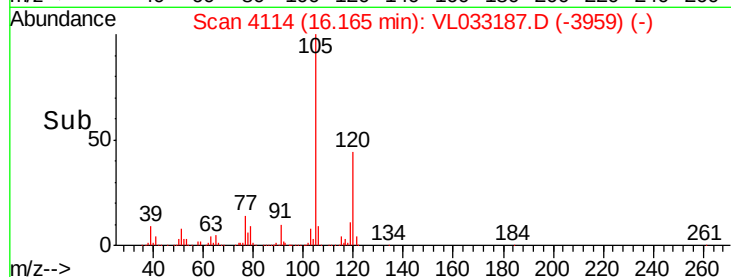
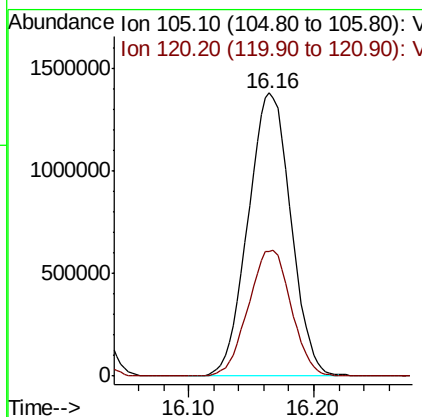
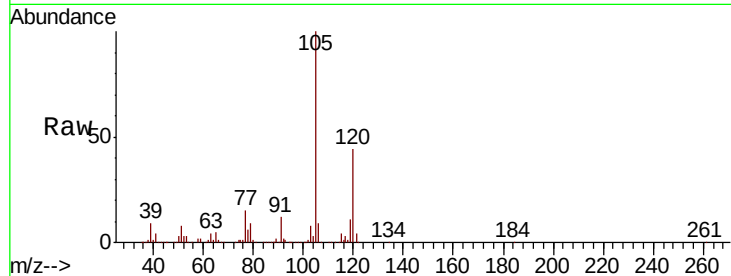
#73
 1,3,5-Trimethylbenzene
 Concen: 8.530 ppbv
 RT: 16.16 min Scan# 4114
 Delta R.T. -0.00 min
 Lab File: VL033187.D
 Acq: 13 Feb 2019 14:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0213ABS01

Tgt Ion:105 Resp: 3265691
 Ion Ratio Lower Upper
 105 100
 120 43.8 36.2 54.4

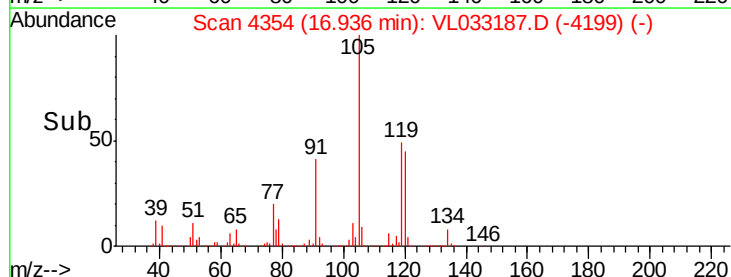
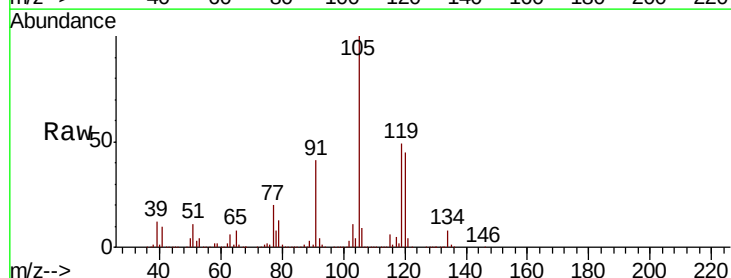
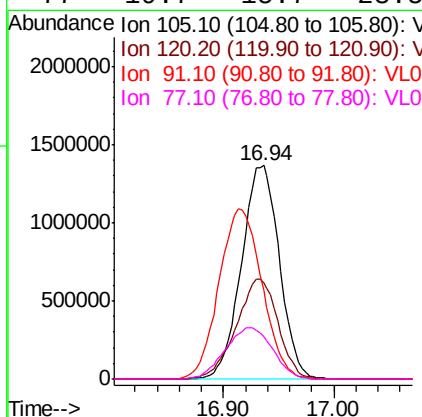
Manual Integrations
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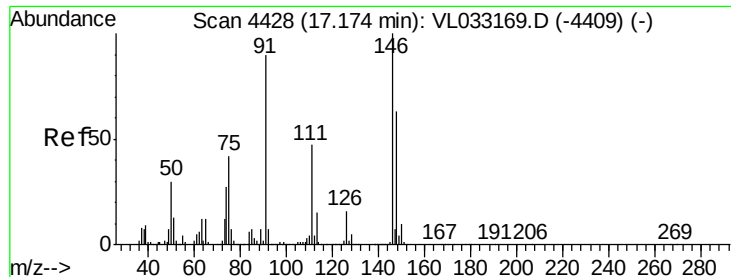
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#74
 1,2,4-Trimethylbenzene
 Concen: 8.166 ppbv
 RT: 16.94 min Scan# 4354
 Delta R.T. -0.00 min
 Lab File: VL033187.D
 Acq: 13 Feb 2019 14:31

Tgt Ion:105 Resp: 3242941
 Ion Ratio Lower Upper
 105 100
 120 44.8 37.9 56.9
 91 41.3 34.0 51.0
 77 19.7 15.7 23.5





#75

1,3-Dichlorobenzene

Concen: 8.179 ppbv

RT: 17.17 min Scan# 4428

Delta R.T. -0.00 min

Lab File: VL033187.D

Acq: 13 Feb 2019 14:31

Instrument :

MSVOA_L

ClientSampleId :

VL0213ABS01

Tgt Ion:146 Resp: 1873280

Ion Ratio Lower Upper

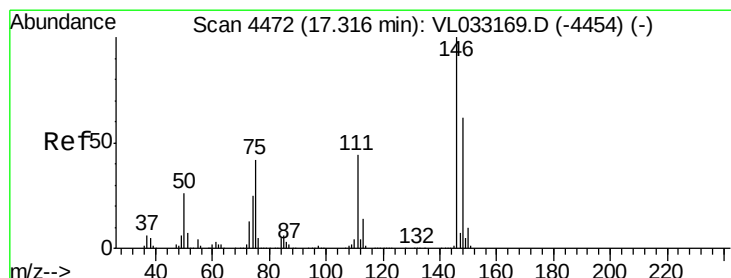
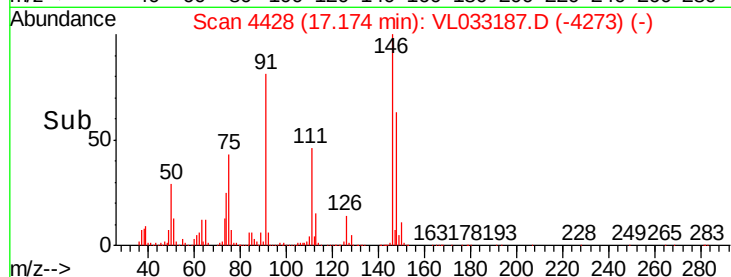
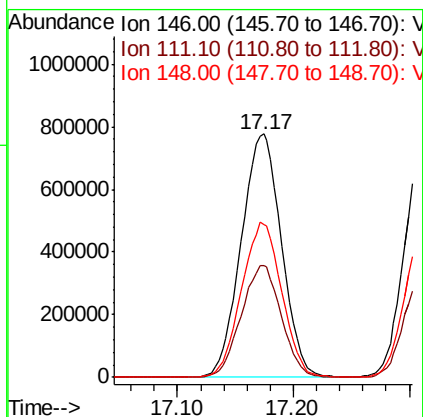
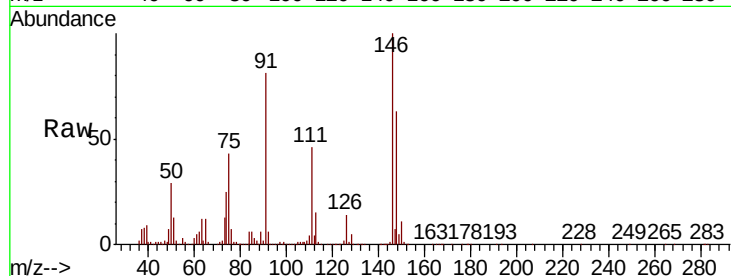
146 100

111 45.9 23.2 69.6

148 63.7 31.8 95.4

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#76

1,4-Dichlorobenzene

Concen: 8.445 ppbv

RT: 17.32 min Scan# 4472

Delta R.T. -0.00 min

Lab File: VL033187.D

Acq: 13 Feb 2019 14:31

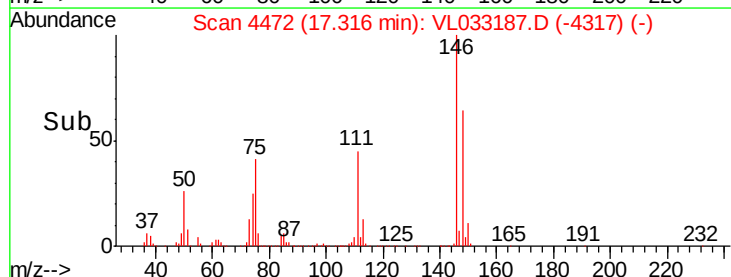
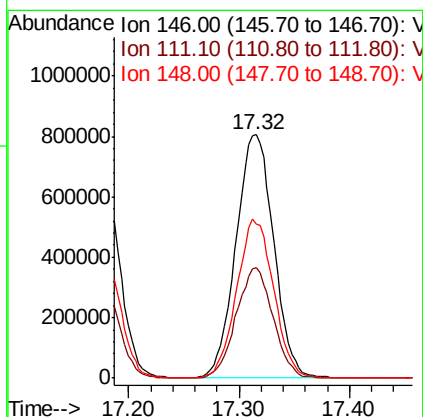
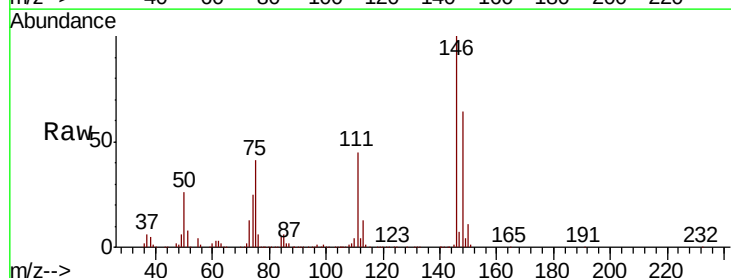
Tgt Ion:146 Resp: 1916358

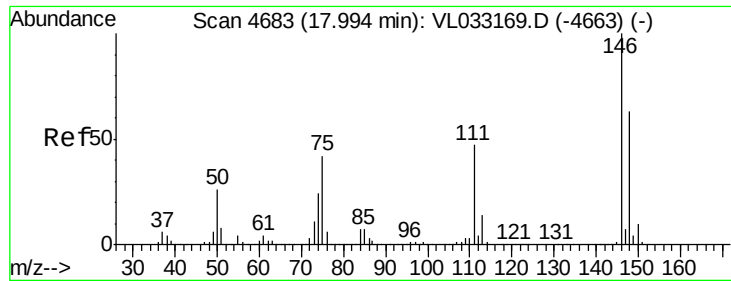
Ion Ratio Lower Upper

146 100

111 44.4 22.3 66.9

148 64.2 32.0 96.0





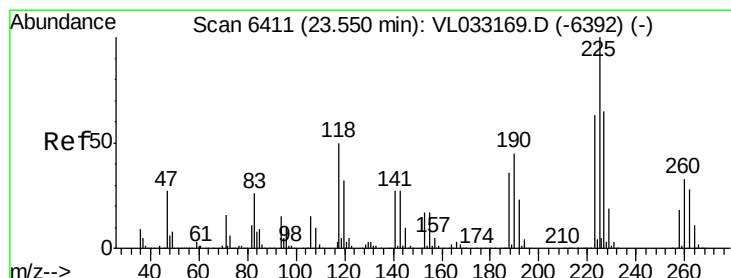
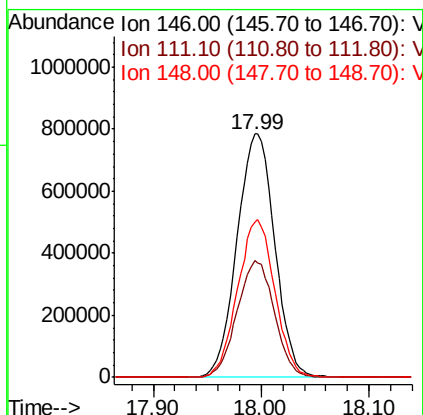
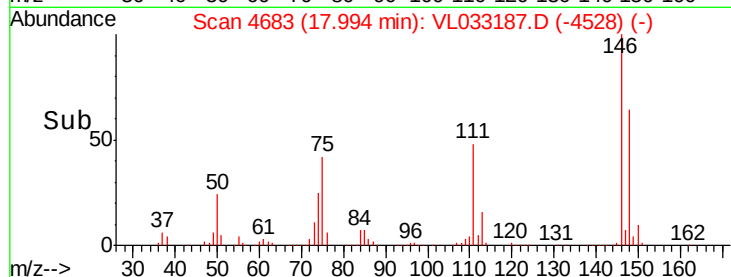
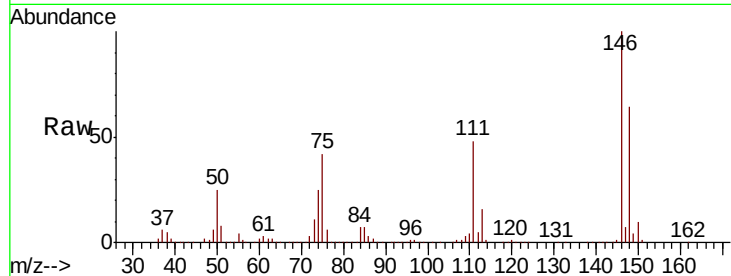
#77
 1,2-Dichlorobenzene
 Concen: 8.399 ppbv
 RT: 17.99 min Scan# 4683
 Delta R.T. -0.00 min
 Lab File: VL033187.D
 Acq: 13 Feb 2019 14:31

Instrument :
 MSVOA_L
 ClientSampled :
 VL0213ABS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	47.5	23.5	70.6
148	63.9	31.9	95.7

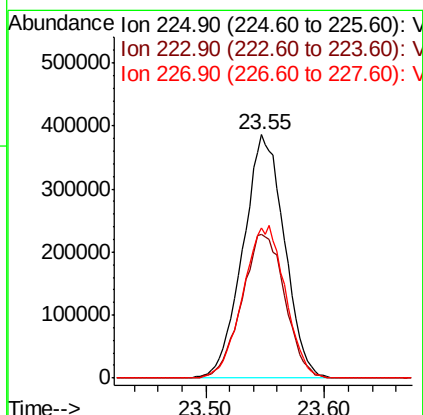
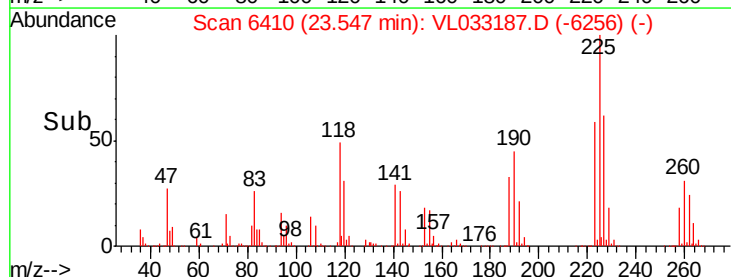
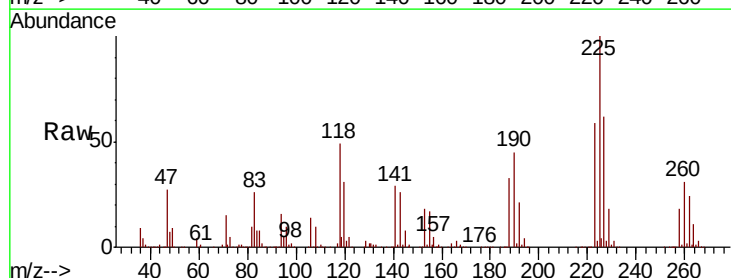
Manual Integrations
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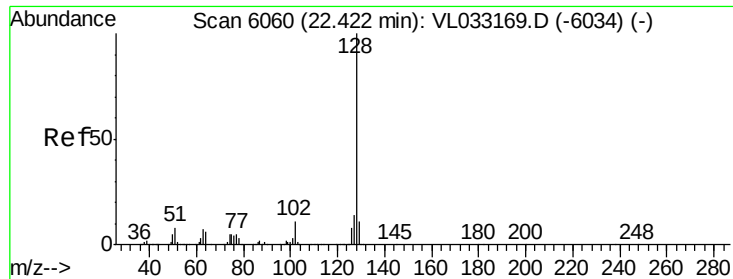
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#78
 Hexachloro-1,3-Butadiene
 Concen: 8.271 ppbv
 RT: 23.55 min Scan# 6410
 Delta R.T. -0.00 min
 Lab File: VL033187.D
 Acq: 13 Feb 2019 14:31

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.3	50.6	75.8
227	63.9	51.4	77.2





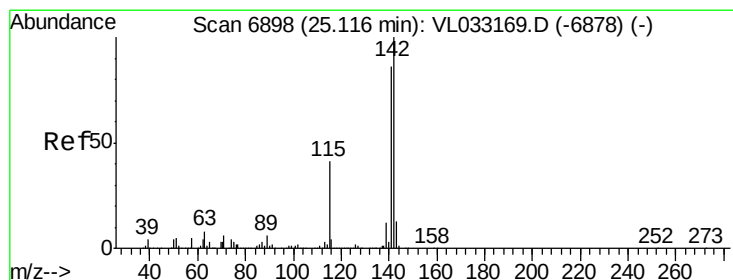
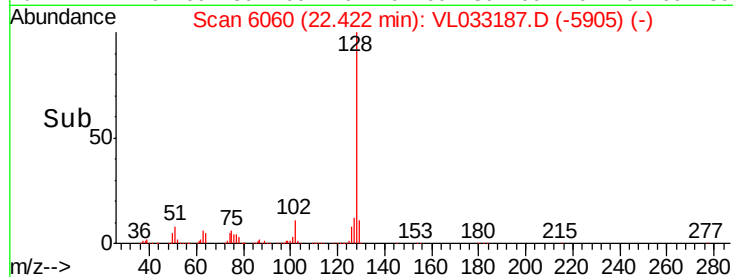
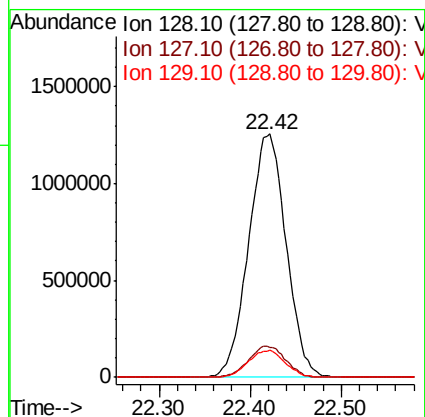
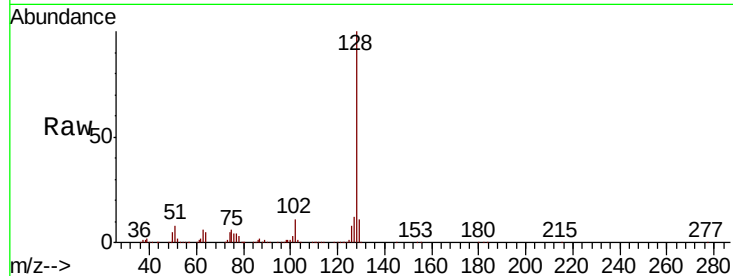
#79
Naphthalene
Concen: 8.420 ppbv
RT: 22.42 min Scan# 6060
Delta R.T. -0.00 min
Lab File: VL033187.D
Acq: 13 Feb 2019 14:31

Instrument :
MSVOA_L
ClientSampleId :
VL0213ABS01

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.4	11.0	16.4
129	11.0	8.6	12.8

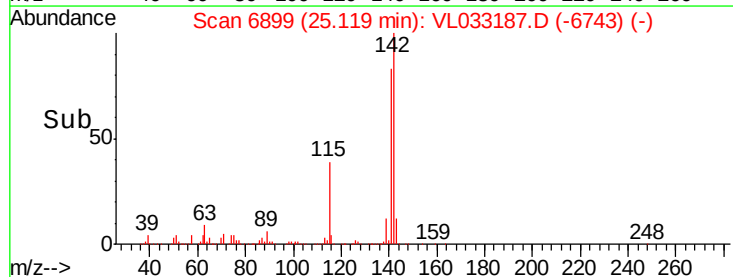
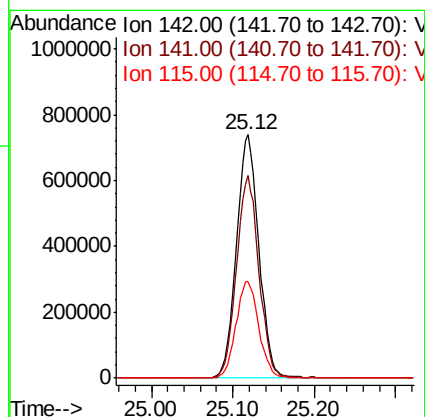
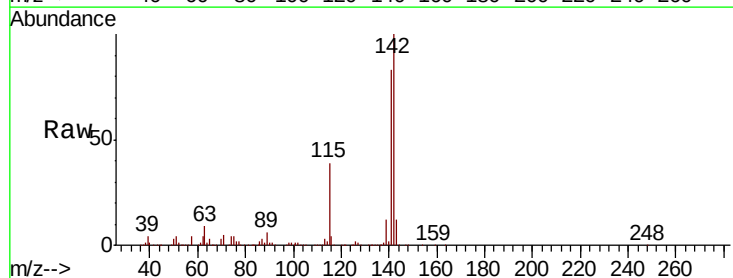
Manual Integrations
APPROVED

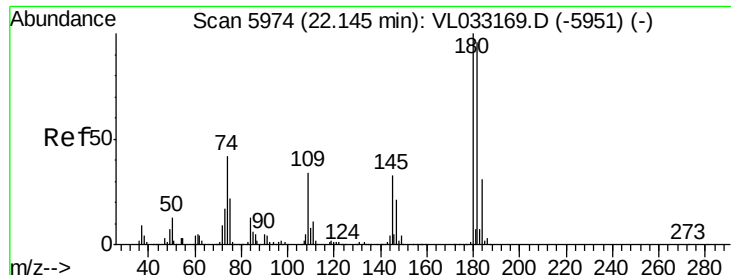
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2/20/2019 12:23:31 PM



#80
Naphthalene, 2-methyl-
Concen: 6.567 ppbv
RT: 25.12 min Scan# 6899
Delta R.T. 0.00 min
Lab File: VL033187.D
Acq: 13 Feb 2019 14:31

Tgt Ion	Ratio	Lower	Upper
142	100		
141	83.5	67.7	101.5
115	40.3	32.7	49.1





#81
 1,2,4-Trichlorobenzene
 Concen: 8.180 ppbv
 RT: 22.14 min Scan# 5973
 Delta R.T. -0.00 min
 Lab File: VL033187.D
 Acq: 13 Feb 2019 14:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0213ABS01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	75.8	113.8
184	30.9	24.3	36.5

Manual Integrations
 APPROVED

MMDadoda
 2/20/2019 12:23:31 PM

