

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL031519\
 Data File : VL033332.D
 Acq On : 15 Mar 2019 14:18
 Operator : SY/AP
 Sample : VSTDIC015
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Manual Integrations
 APPROVED

MMDadoda
 3/19/2019 10:02:27 AM

Quant Time: Mar 15 14:51:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL031519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Mar 15 14:51:51 2019
 QLast Update : Fri Mar 15 14:26:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	816797	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	1886767	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	2281279	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.59	95	1656731	9.55	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.08	85	2039883	13.794	ppbv	98
3) Chlorodifluoromethane	3.01	51	1325601	14.179	ppbv	98
4) Chloromethane	3.17	50	702310	13.821	ppbv	98
5) Vinyl Chloride	3.29	62	687205	13.331	ppbv	99
6) Bromomethane	3.52	94	447762	14.323	ppbv	98
7) Chloroethane	3.60	64	261153	14.126	ppbv	95
8) Dichlorotetrafluoroethane	3.22	85	1714772	13.606	ppbv	100
9) Propene	3.04	41	575451	13.729	ppbv	100
10) Heptane	8.26	43	1549831	14.647	ppbv	100
11) Trichlorofluoromethane	4.01	101	2013882	14.339	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.56	101	1299155	14.122	ppbv	99
13) Ethanol	3.65	45	138587	9.509	ppbv	98
14) Bromoethene	3.79	108	572046	14.701	ppbv	99
15) Acetone	3.90	43	1306983	10.451	ppbv	100
16) 1,3-Butadiene	3.36	39	619702	14.114	ppbv	93
17) tert-Butyl alcohol	4.36	59	239331	13.417	ppbv	99
18) 1,1-Dichloroethene	4.35	96	614874	15.091	ppbv	97
19) Isopropyl Alcohol	4.03	45	814767	12.986	ppbv	100
20) Methylene Chloride	4.41	84	509051	12.706	ppbv	99
21) Allyl Chloride	4.48	41	916219	14.809	ppbv	100
22) trans-1,2-Dichloroethene	4.97	96	635015	15.689	ppbv	96
23) Vinyl Acetate	5.16	43	2196751	15.041	ppbv	99
24) 1,1-Dichloroethane	5.10	63	1504028	14.451	ppbv	99
25) Ethyl Acetate	5.77	43	2574467	14.224	ppbv	100
26) Hexane	5.79	57	1139056	13.754	ppbv	99
27) Carbon Disulfide	4.62	76	1492491	15.974	ppbv	99
28) Methyl tert-Butyl Ether	5.12	73	1779092	14.917	ppbv	100
29) Chloroform	5.86	83	1931691	14.311	ppbv	99
30) Cyclohexane	7.25	84	979044	14.930	ppbv	98
31) cis-1,2-Dichloroethene	5.65	61	1231642	15.006	ppbv	99
32) 1,1,1-Trichloroethane	6.63	97	1919135	14.324	ppbv	99
34) 2-Butanone	5.33	43	1708424	14.276	ppbv	99
35) Carbon Tetrachloride	7.14	117	2085038	15.312	ppbv	99
36) Benzene	7.01	78	2502811	14.841	ppbv	99
37) 1,2-Dichloroethane	6.42	62	1518235	14.439	ppbv	100
38) Trichloroethene	7.97	130	935926	14.100	ppbv	98
39) 1,2-Dichloropropane	7.74	63	922734	14.379	ppbv	98
40) 1,4-Dioxane	7.96	88	319612	13.597	ppbv	95
41) Tetrahydrofuran	6.15	42	993446	14.970	ppbv	99
42) Bromodichloromethane	7.93	83	2175151	15.178	ppbv	98
43) Methyl Methacrylate	8.14	69	1027940	15.634	ppbv	98

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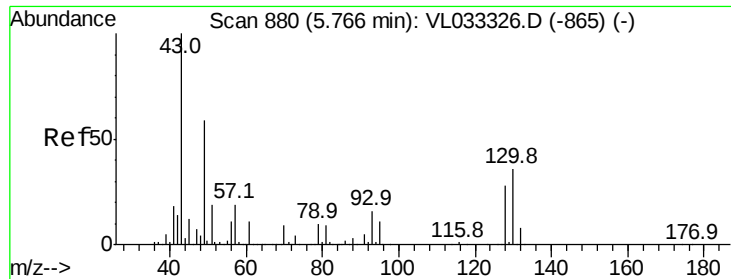
Manual Integrations
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Quant Time: Mar 15 14:51:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL031519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Mar 15 2019
 QLast Update : Fri Mar 15 14:26:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.00	57	4026806	14.237	ppbv	99
45) t-1,3-Dichloropropene	9.43	75	1435136	17.815	ppbv	99
46) cis-1,3-Dichloropropene	8.84	75	1593265	16.837	ppbv	98
47) 1,1,2-Trichloroethane	9.62	97	1027887	14.890	ppbv	96
48) Dibromochloromethane	10.46	129	1882487	15.958	ppbv	100
49) Bromoform	13.21	173	1906989	17.859	ppbv	100
50) 4-Methyl-2-Pentanone	8.88	43	2584545	14.766	ppbv	99
51) 2-Hexanone	10.28	43	2067749	14.832	ppbv #	100
52) Tetrachloroethene	11.38	164	1045990	15.354	ppbv	97
53) Toluene	9.96	91	2947052	15.320	ppbv	100
54) 1,2-Dibromoethane	10.77	107	1852891	16.468	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.29	131	1477490	14.433	ppbv #	71
57) Chlorobenzene	12.31	112	2459402	13.573	ppbv	99
58) Ethyl Benzene	12.88	91	4672240	14.475	ppbv	99
59) m/p-Xylene	13.16	91	7771155m	28.262	ppbv	
60) o-Xylene	13.86	91	3809368	14.145	ppbv	100
61) Styrene	13.70	104	2884635	15.334	ppbv	99
62) Isopropylbenzene	14.84	105	5295329	14.227	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.85	83	2621168	12.871	ppbv	100
64) n-propylbenzene	15.73	120	1365706	14.536	ppbv	97
65) tert-Butylbenzene	16.92	119	4747906	13.842	ppbv	99
66) Benzyl Chloride	17.17	91	2784209	19.894	ppbv	100
67) sec-Butylbenzene	17.47	105	6769777	13.811	ppbv	99
69) p-Isopropyltoluene	17.83	119	5563718	13.946	ppbv	99
70) n-Butylbenzene	18.72	91	5887497	13.816	ppbv	100
71) 2-Chlorotoluene	15.63	91	4153112	14.012	ppbv	100
72) 4-Ethyltoluene	16.01	105	4461213	14.517	ppbv	100
73) 1,3,5-Trimethylbenzene	16.17	105	4295785	14.116	ppbv	100
74) 1,2,4-Trimethylbenzene	16.94	105	4373522	13.654	ppbv	99
75) 1,3-Dichlorobenzene	17.18	146	2522908	13.541	ppbv	100
76) 1,4-Dichlorobenzene	17.32	146	2555168	13.927	ppbv	99
77) 1,2-Dichlorobenzene	18.00	146	2480222	13.758	ppbv	100
78) Hexachloro-1,3-Butadiene	23.55	225	1345814	12.403	ppbv	99
79) Naphthalene	22.42	128	4362187	13.944	ppbv	99
80) Naphthalene, 2-methyl-	25.12	142	2039868	13.525	ppbv	99
81) 1,2,4-Trichlorobenzene	22.15	180	2164175	13.342	ppbv	99

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



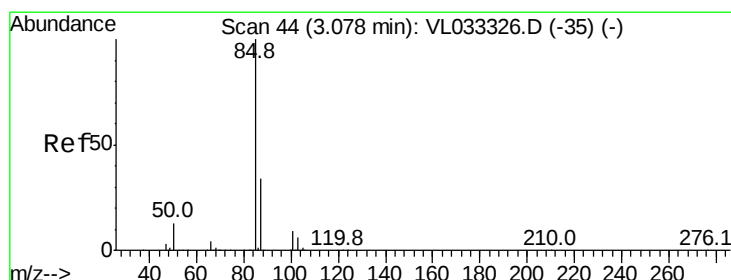
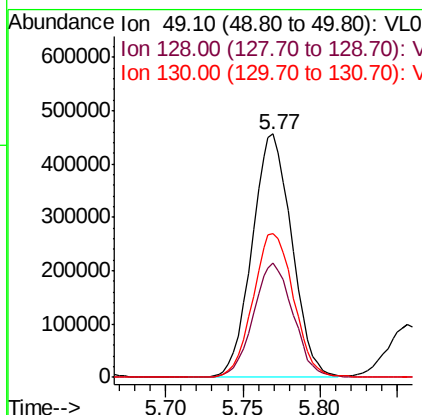
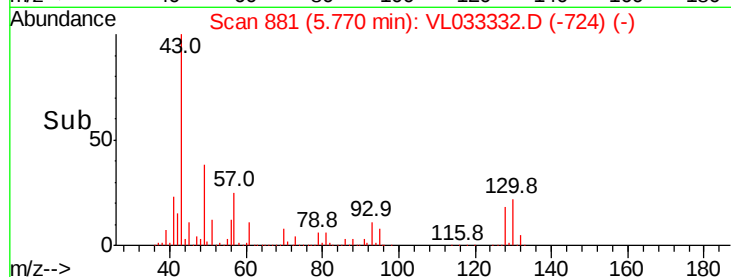
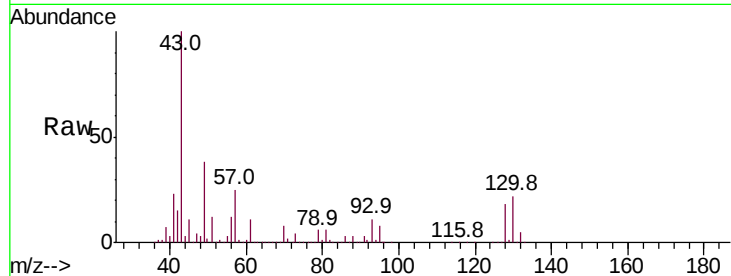
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Bromochloromethane
Concen: 10.000 ppbv
RT: 5.77 min Scan# 881
Delta R.T. 0.00 min
Lab File: VL033332.D
Acq: 15 Mar 2019 14:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion: 49 Resp: 816797
Ion Ratio Lower Upper
49 100
128 46.8 23.5 70.6
130 60.4 30.1 90.3

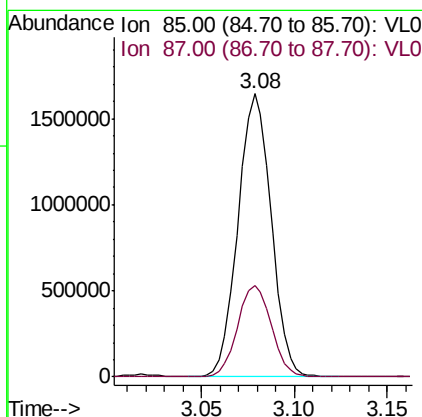
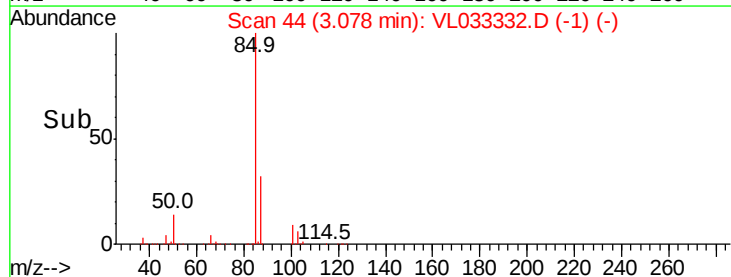
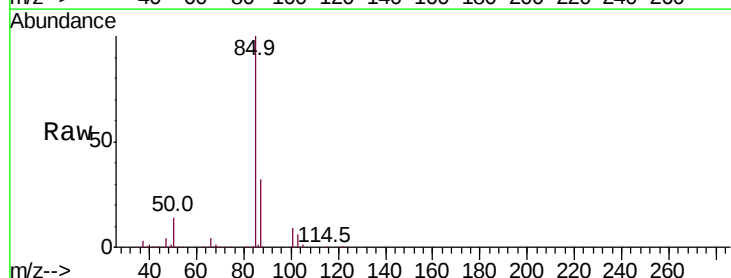
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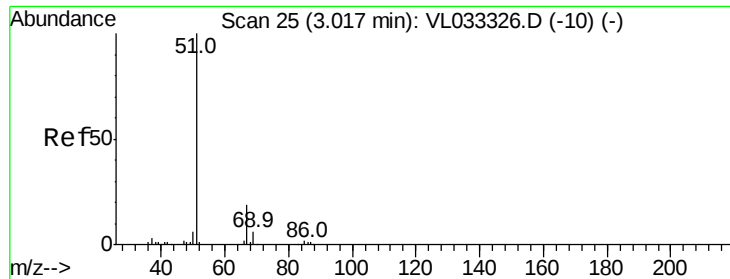
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#2
Dichlorodifluoromethane
Concen: 13.794 ppbv
RT: 3.08 min Scan# 44
Delta R.T. 0.00 min
Lab File: VL033332.D
Acq: 15 Mar 2019 14:18

Tgt Ion: 85 Resp: 2039883
Ion Ratio Lower Upper
85 100
87 32.4 26.9 40.3





#3

Chlorodifluoromethane

Concen: 14.179 ppbv

RT: 3.01 min Scan# 24

Delta R.T. -0.00 min

Lab File: VL033332.D

Acq: 15 Mar 2019 14:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 51 Resp: 1325601

Ion Ratio Lower Upper

51 100

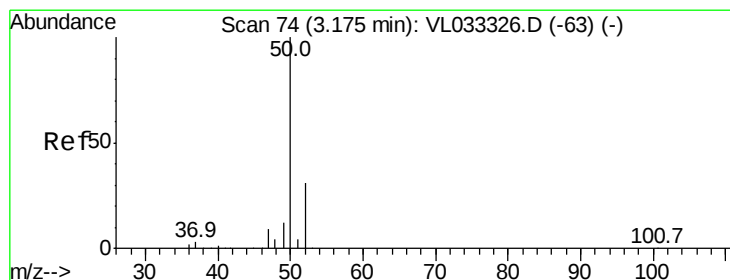
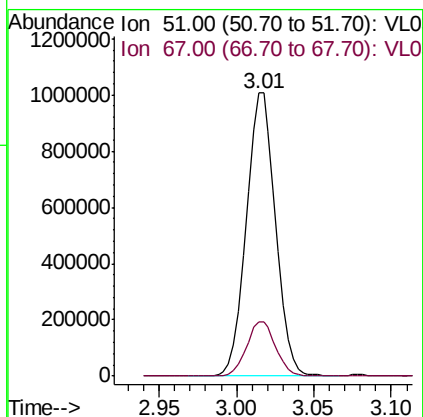
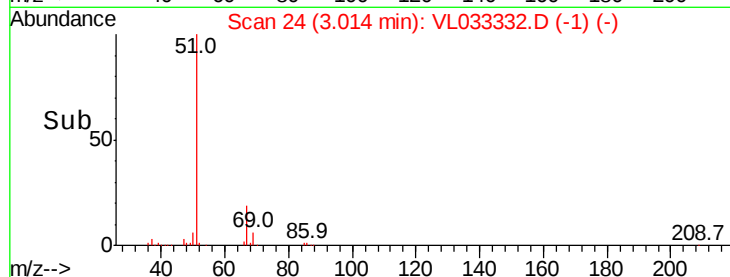
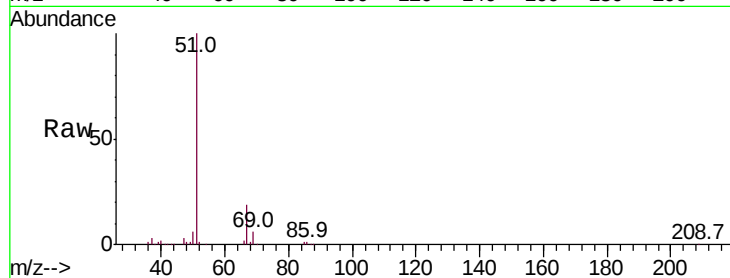
67 19.4 14.9 22.3

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#4

Chloromethane

Concen: 13.821 ppbv

RT: 3.17 min Scan# 73

Delta R.T. -0.00 min

Lab File: VL033332.D

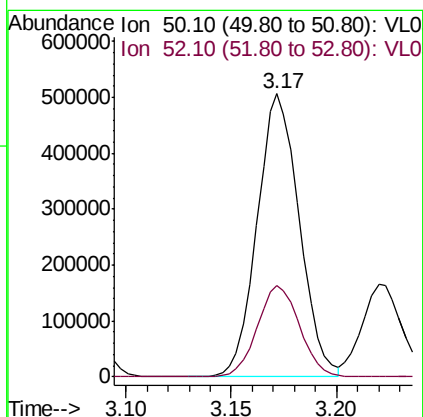
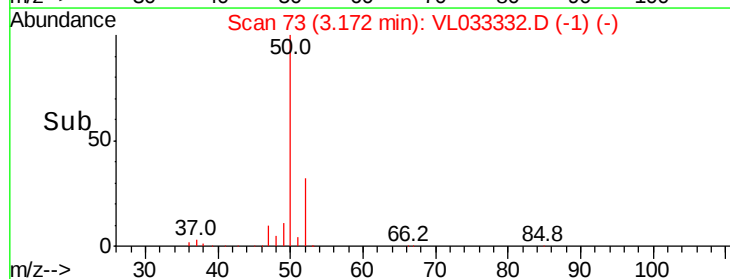
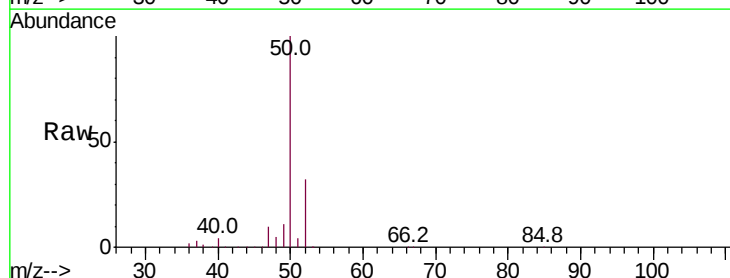
Acq: 15 Mar 2019 14:18

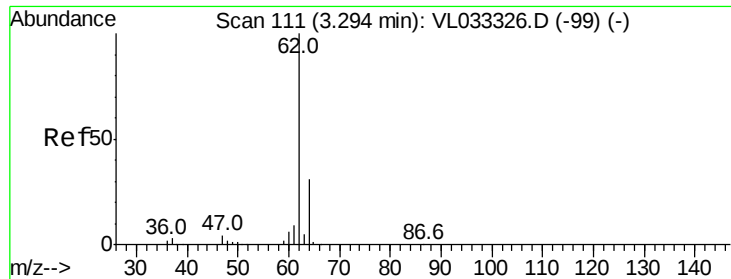
Tgt Ion: 50 Resp: 702310

Ion Ratio Lower Upper

50 100

52 32.4 25.0 37.6





#5

Vinyl Chloride

Concen: 13.331 ppbv

RT: 3.29 min Scan# 111

Delta R.T. 0.00 min

Lab File: VL033332.D

Acq: 15 Mar 2019 14:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 62 Resp: 687205

Ion Ratio Lower Upper

62 100

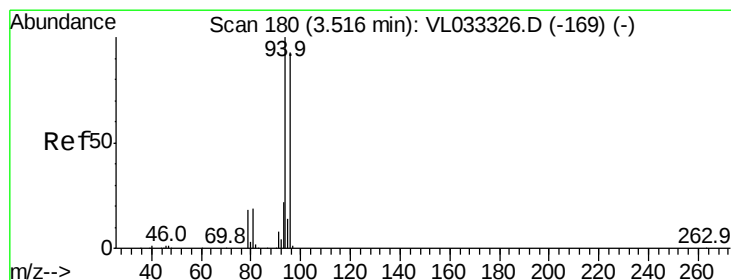
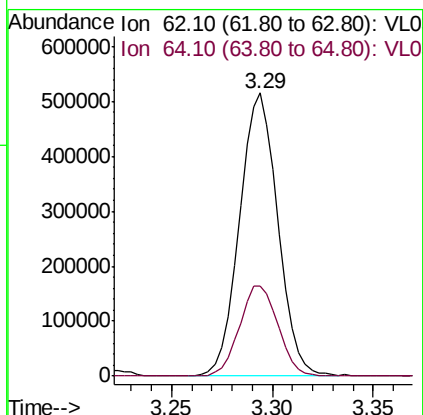
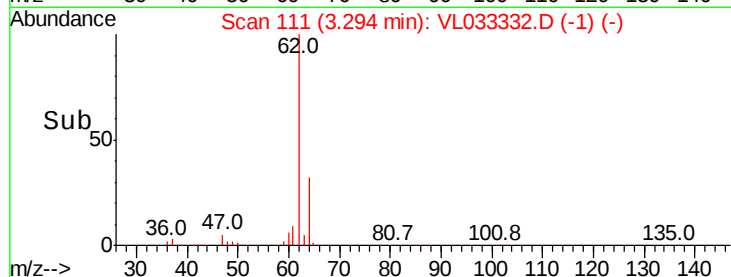
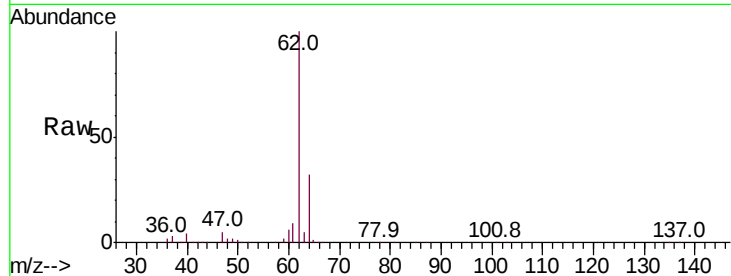
64 31.9 25.0 37.6

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#6

Bromomethane

Concen: 14.323 ppbv

RT: 3.52 min Scan# 180

Delta R.T. 0.00 min

Lab File: VL033332.D

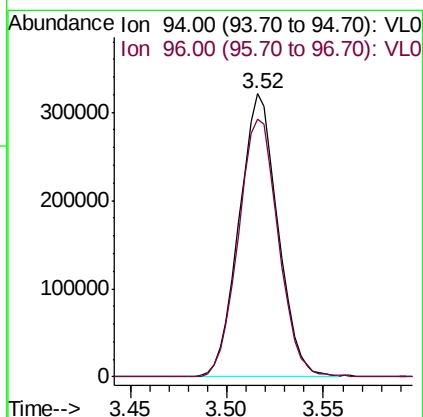
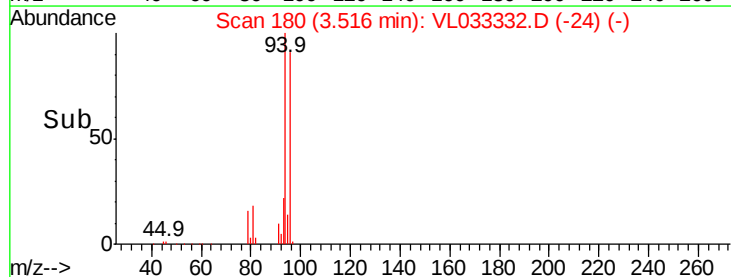
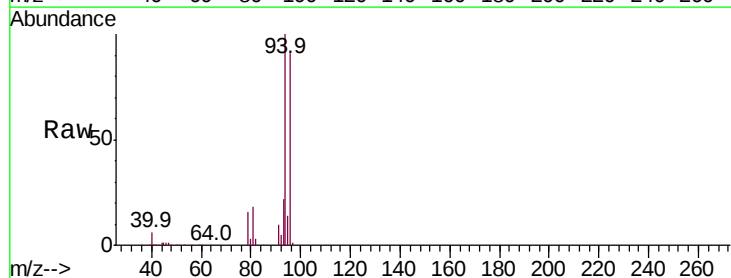
Acq: 15 Mar 2019 14:18

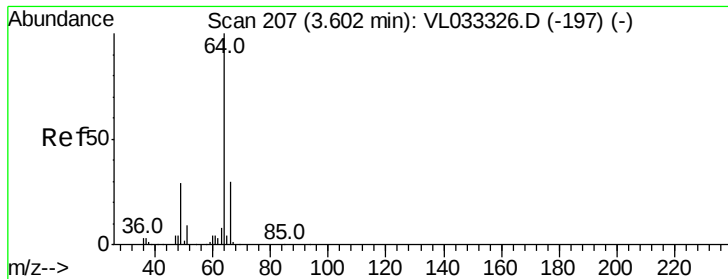
Tgt Ion: 94 Resp: 447762

Ion Ratio Lower Upper

94 100

96 91.0 74.6 111.8





#7

Chloroethane

Concen: 14.126 ppbv

RT: 3.60 min Scan# 207

Delta R.T. 0.00 min

Lab File: VL033332.D

Acq: 15 Mar 2019 14:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 64 Resp: 261153

Ion Ratio Lower Upper

64 100

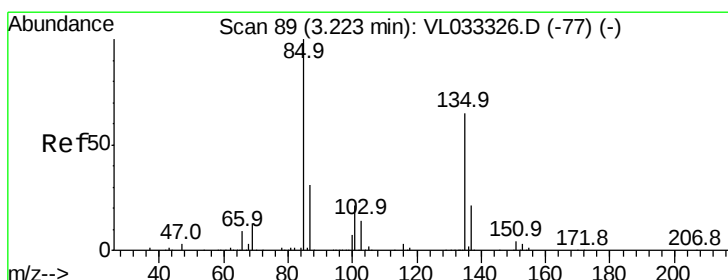
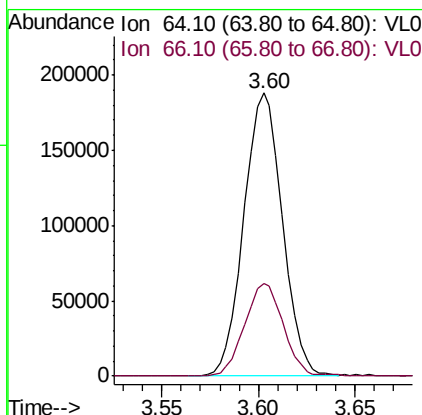
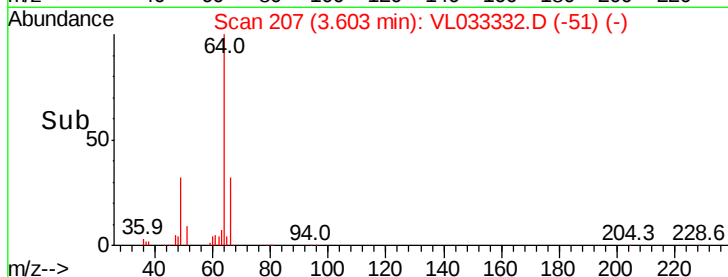
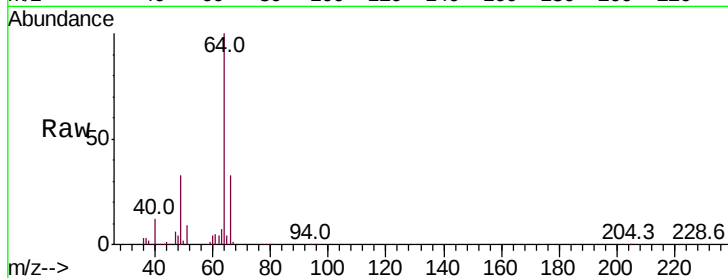
66 32.8 24.0 36.0

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#8

Dichlorotetrafluoroethane

Concen: 13.606 ppbv

RT: 3.22 min Scan# 88

Delta R.T. -0.00 min

Lab File: VL033332.D

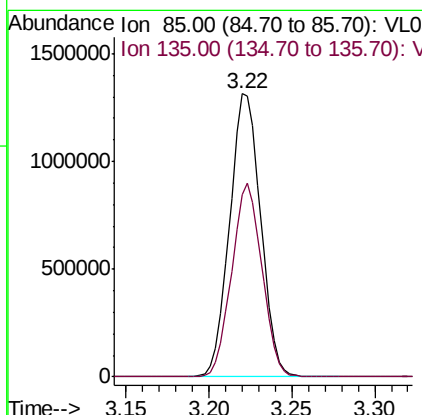
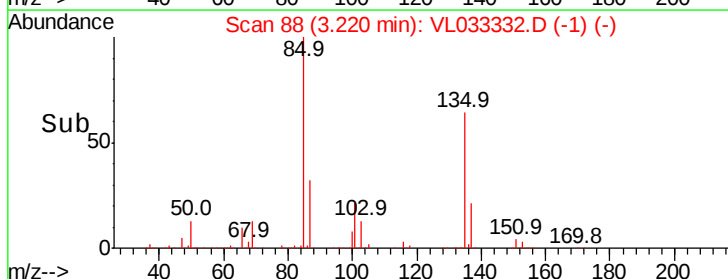
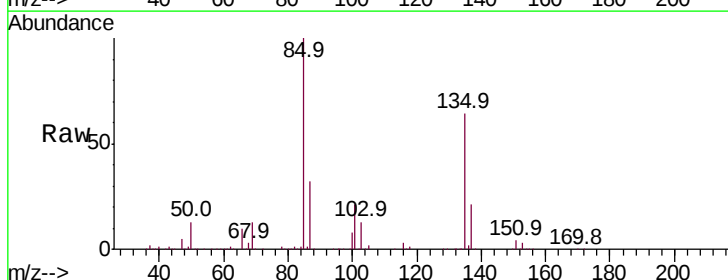
Acq: 15 Mar 2019 14:18

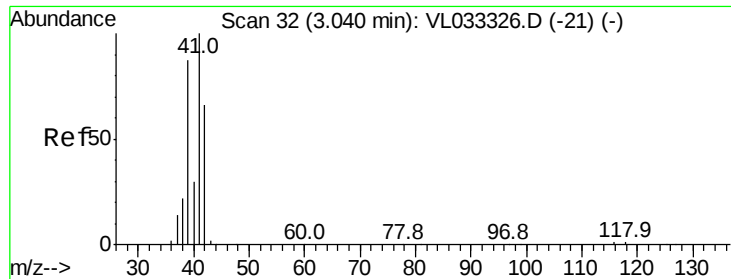
Tgt Ion: 85 Resp: 1714772

Ion Ratio Lower Upper

85 100

135 66.8 53.4 80.2





#9

Propene

Concen: 13.729 ppbv

RT: 3.04 min Scan# 32

Delta R.T. 0.00 min

Lab File: VL033332.D

Acq: 15 Mar 2019 14:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 41 Resp: 575451

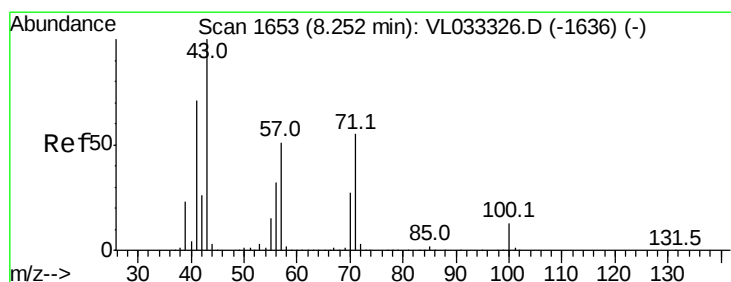
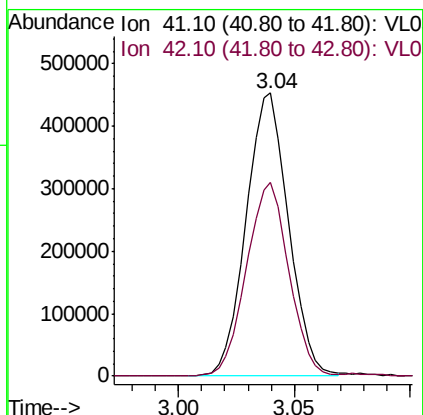
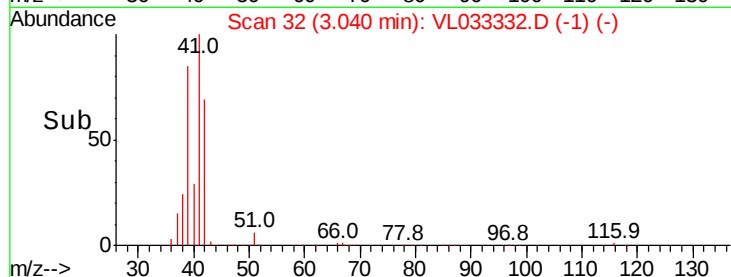
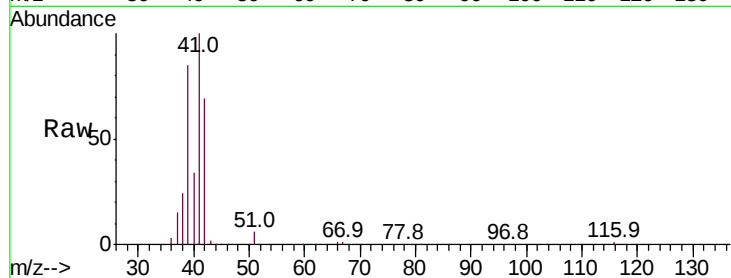
Ion Ratio Lower Upper

41 100

42 69.4 55.2 82.8

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#10

Heptane

Concen: 14.647 ppbv

RT: 8.26 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VL033332.D

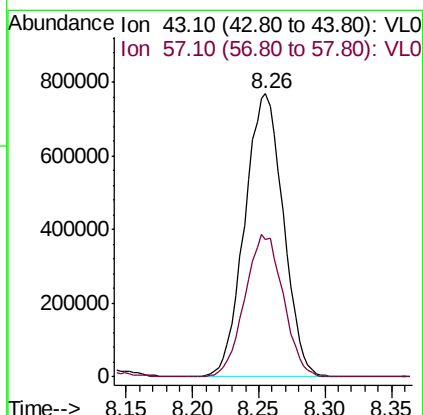
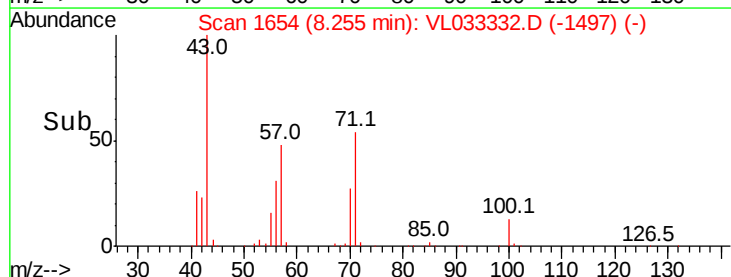
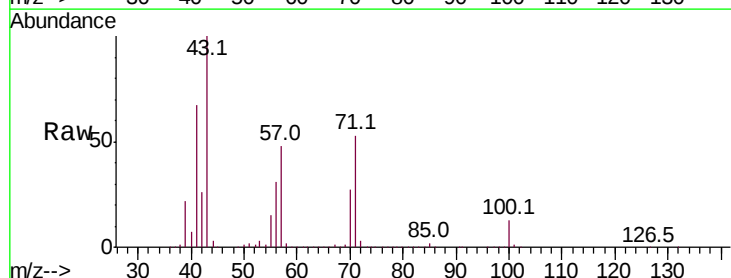
Acq: 15 Mar 2019 14:18

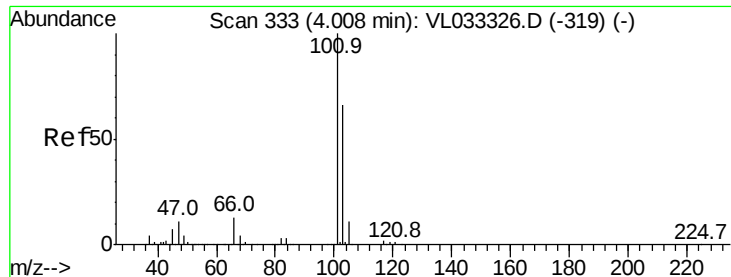
Tgt Ion: 43 Resp: 1549831

Ion Ratio Lower Upper

43 100

57 50.2 40.4 60.6





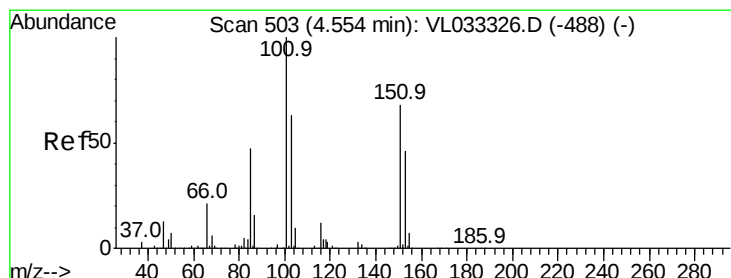
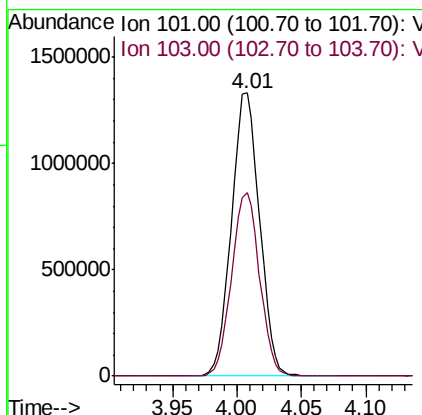
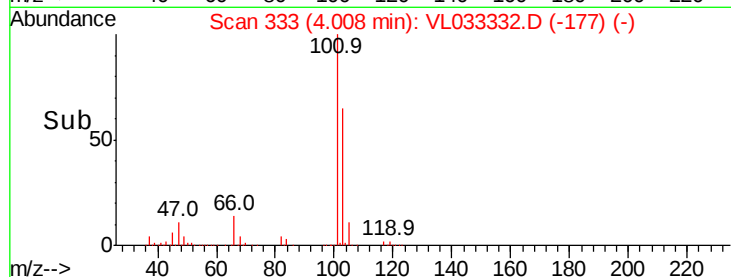
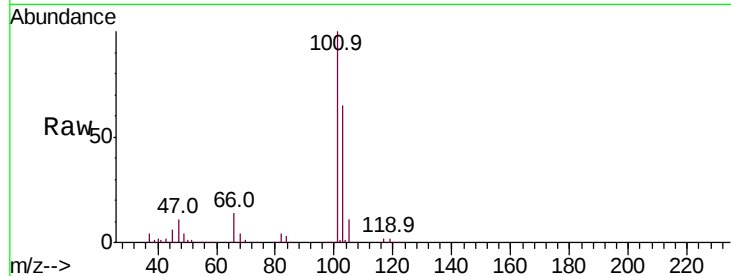
#11
 Trichlorofluoromethane
 Concen: 14.339 ppbv
 RT: 4.01 min Scan# 333
 Delta R.T. 0.00 min
 Lab File: VL033332.D
 Acq: 15 Mar 2019 14:18

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion:101 Resp: 2013882
 Ion Ratio Lower Upper
 101 100
 103 65.1 52.9 79.3

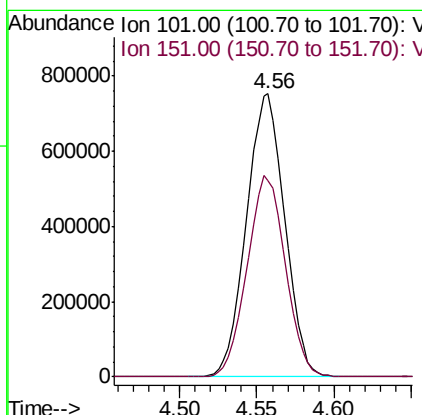
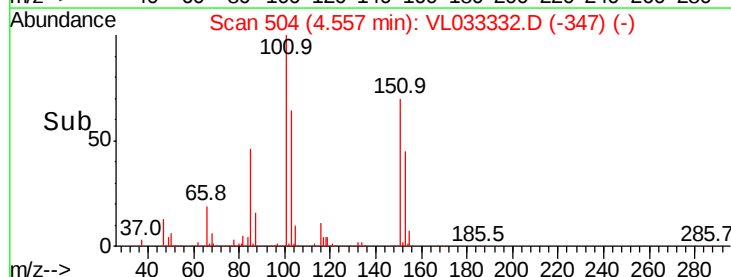
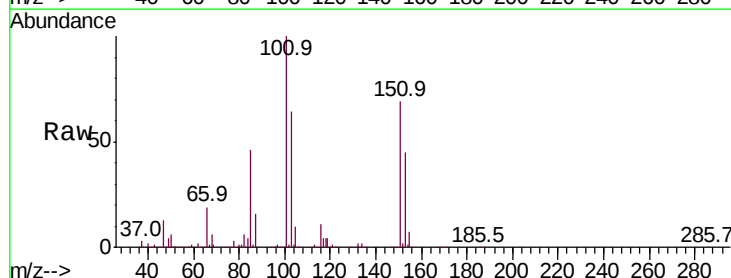
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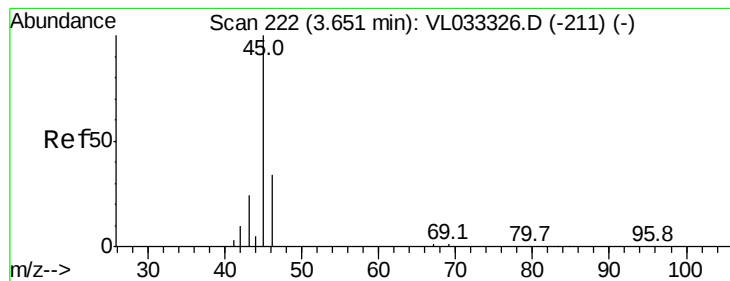
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 14.122 ppbv
 RT: 4.56 min Scan# 504
 Delta R.T. 0.00 min
 Lab File: VL033332.D
 Acq: 15 Mar 2019 14:18

Tgt Ion:101 Resp: 1299155
 Ion Ratio Lower Upper
 101 100
 151 71.3 56.3 84.5





#13

Ethanol

Concen: 9.509 ppbv

RT: 3.65 min Scan# 222

Delta R.T. 0.00 min

Lab File: VL033332.D

Acq: 15 Mar 2019 14:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 45 Resp: 138587

Ion Ratio Lower Upper

45 100

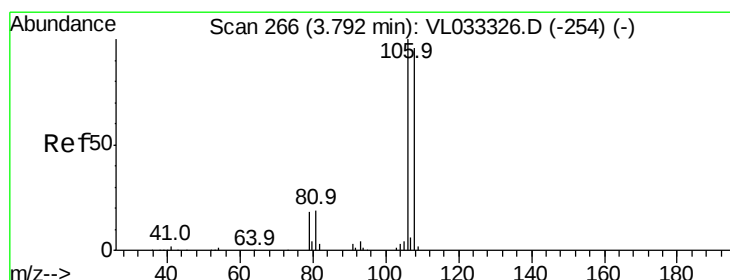
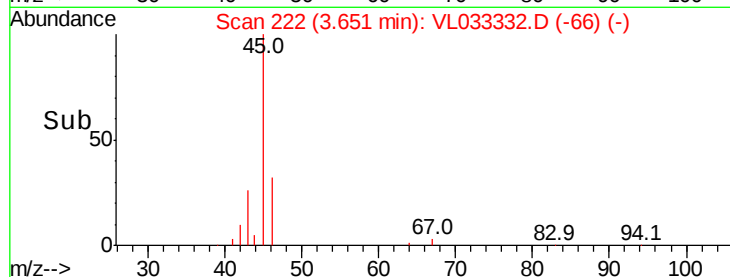
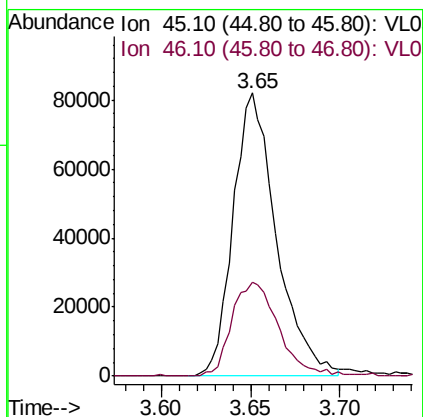
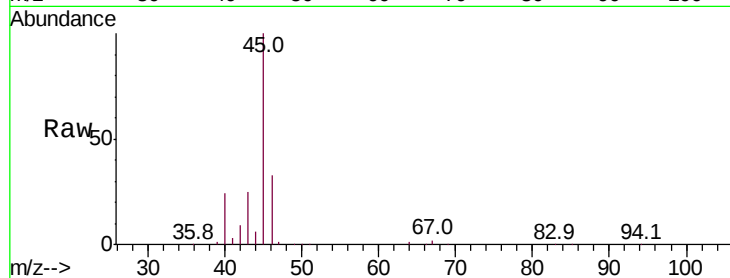
46 36.2 14.9 59.7

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#14

Bromoethene

Concen: 14.701 ppbv

RT: 3.79 min Scan# 265

Delta R.T. -0.00 min

Lab File: VL033332.D

Acq: 15 Mar 2019 14:18

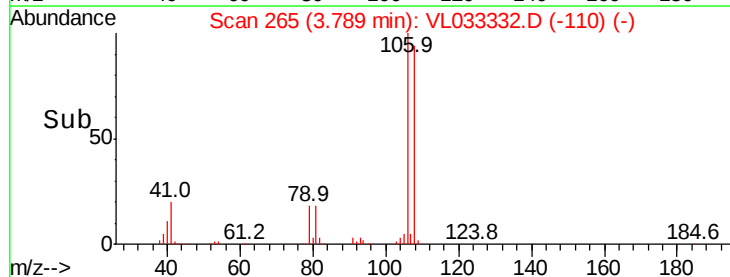
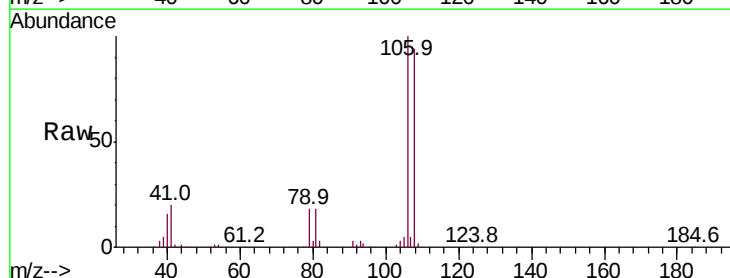
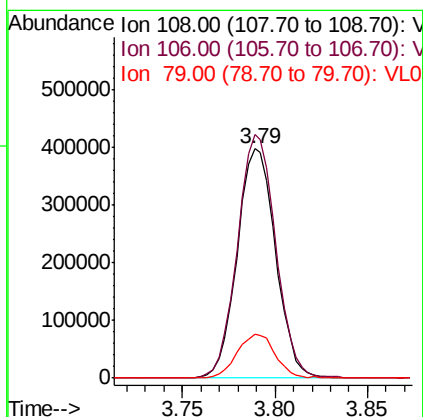
Tgt Ion: 108 Resp: 572046

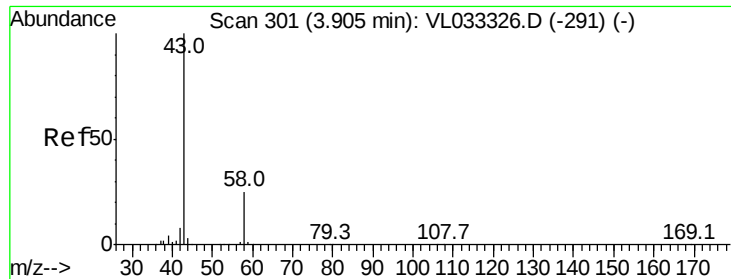
Ion Ratio Lower Upper

108 100

106 106.3 86.2 129.2

79 19.4 15.4 23.2





#15

Acetone

Concen: 10.451 ppbv

RT: 3.90 min Scan# 300

Delta R.T. -0.00 min

Lab File: VL033332.D

Acq: 15 Mar 2019 14:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 43 Resp: 1306983

Ion Ratio Lower Upper

43 100

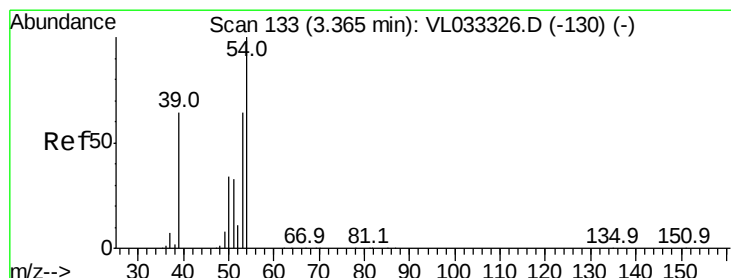
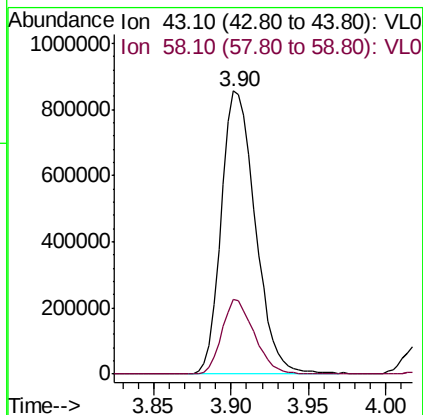
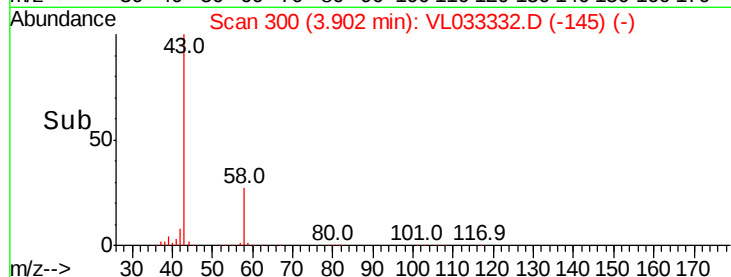
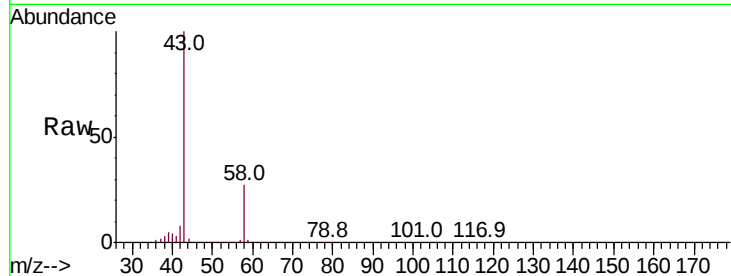
58 25.4 20.4 30.6

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#16

1,3-Butadiene

Concen: 14.114 ppbv

RT: 3.36 min Scan# 133

Delta R.T. 0.00 min

Lab File: VL033332.D

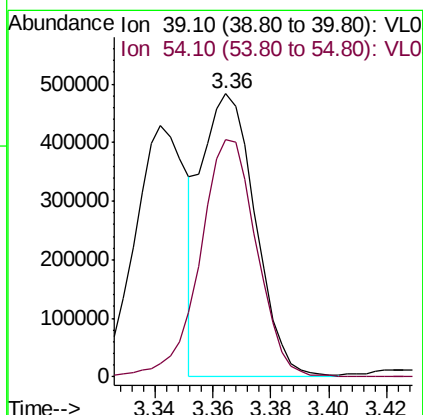
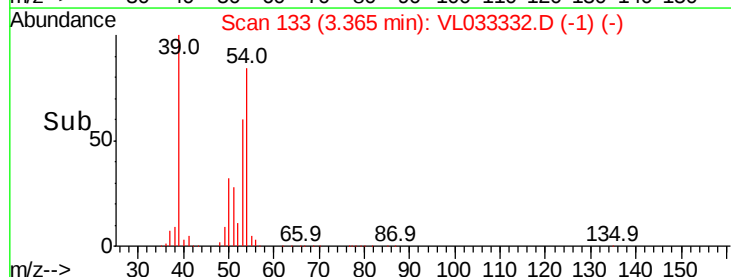
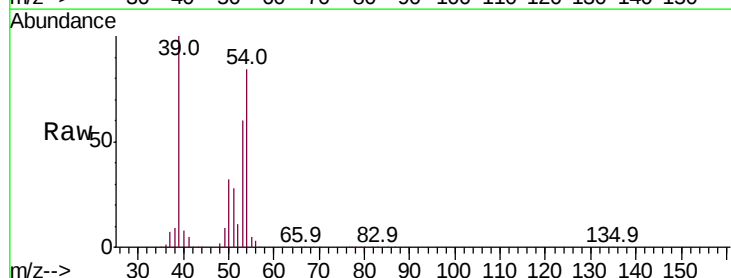
Acq: 15 Mar 2019 14:18

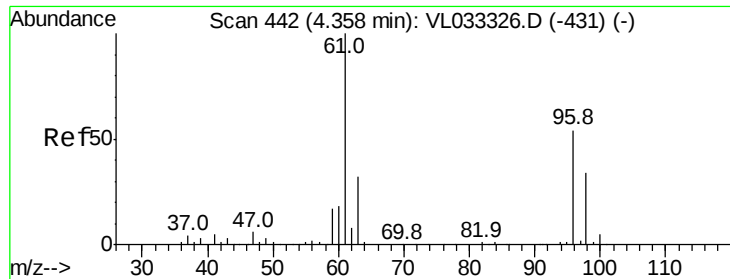
Tgt Ion: 39 Resp: 619702

Ion Ratio Lower Upper

39 100

54 89.4 76.8 115.2





#17

tert-Butyl alcohol

Concen: 13.417 ppbv

RT: 4.36 min Scan# 443

Delta R.T. 0.00 min

Lab File: VL033332.D

Acq: 15 Mar 2019 14:18

Instrument :

MSVOA_L

ClientSampleID :

VSTDIC015

Tot Ion: 59 Resp: 239331

Ion Ratio Lower Upper

59 100

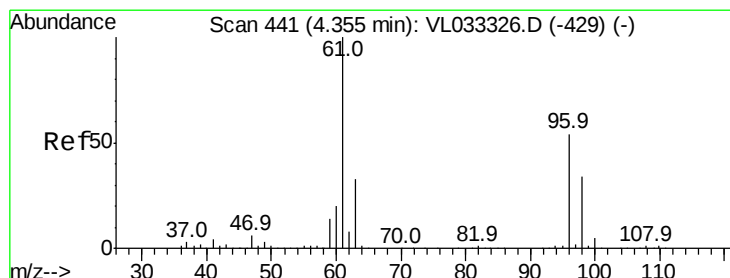
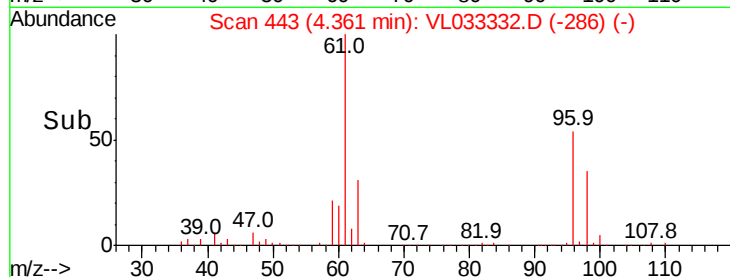
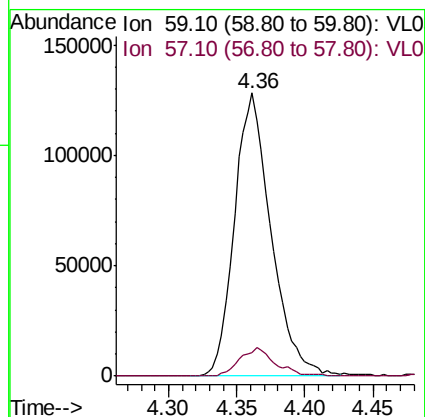
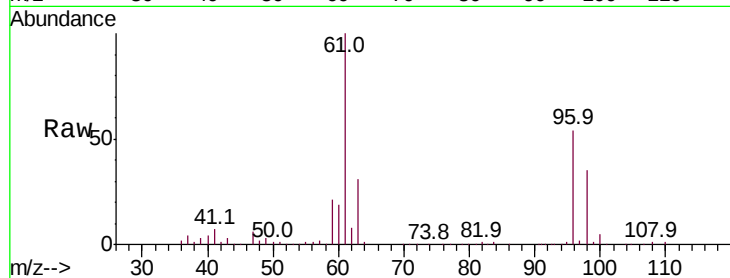
57 9.8 7.7 11.5

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#18

1,1-Dichloroethene

Concen: 15.091 ppbv

RT: 4.35 min Scan# 441

Delta R.T. 0.00 min

Lab File: VL033332.D

Acq: 15 Mar 2019 14:18

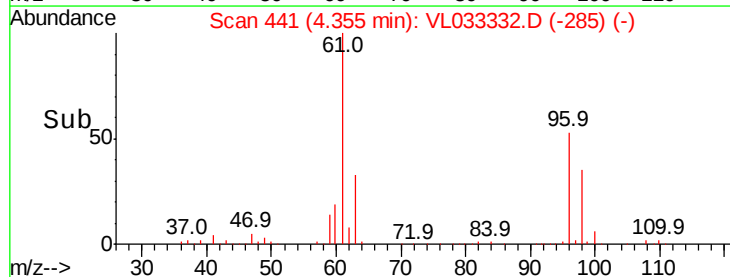
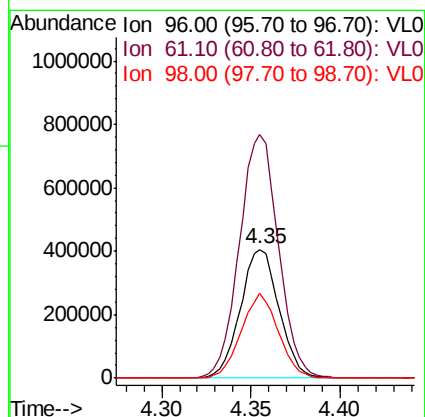
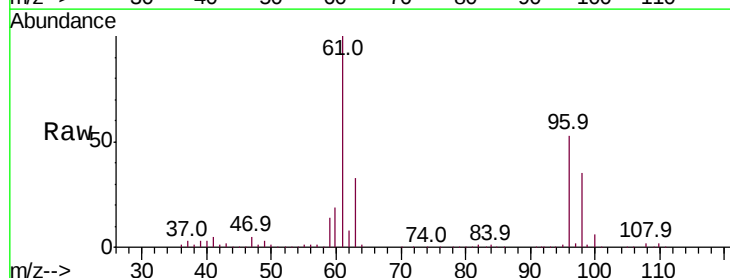
Tgt Ion: 96 Resp: 614874

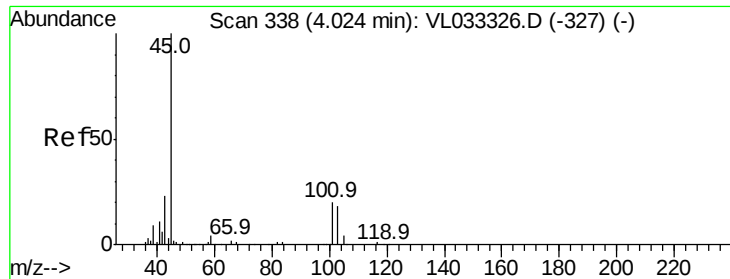
Ion Ratio Lower Upper

96 100

61 188.9 148.6 222.8

98 66.2 50.3 75.5





#19

Isopropyl Alcohol

Concen: 12.986 ppbv

RT: 4.03 min Scan# 339

Delta R.T. 0.00 min

Lab File: VL033332.D

Acq: 15 Mar 2019 14:18

Tot Ion: 45 Resp: 814767

Ion Ratio Lower Upper

45 100

58 1.8 1.5 2.3

Instrument :

MSVOA_L

ClientSampled :

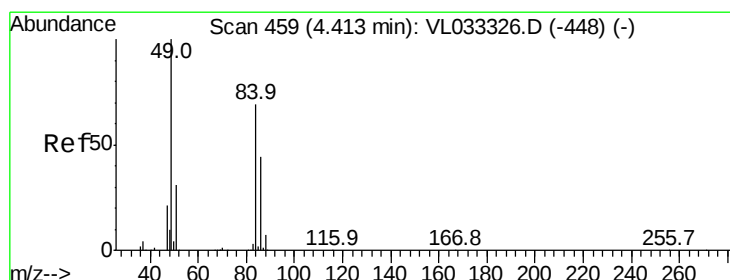
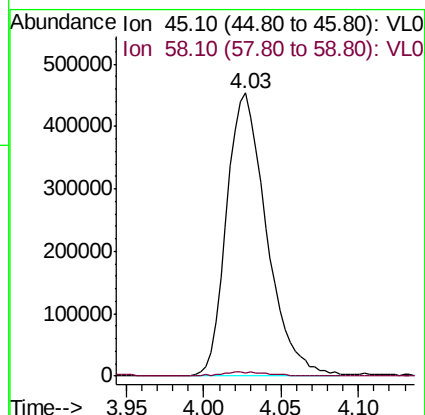
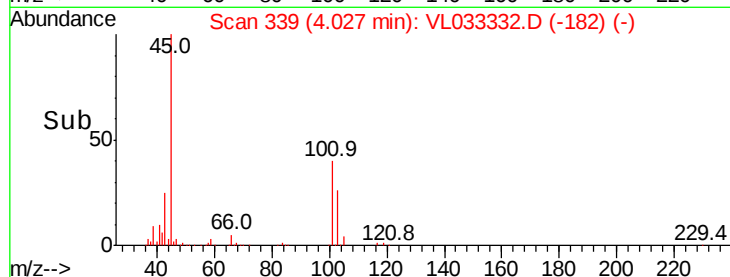
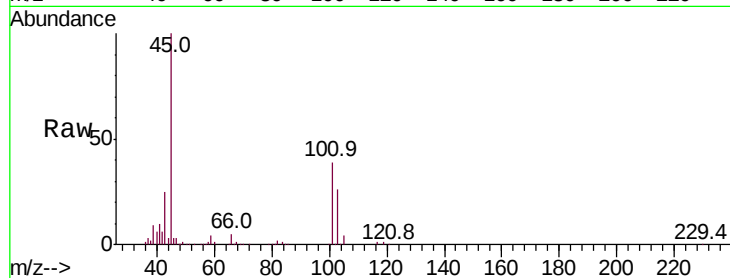
VSTDIC015

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#20

Methylene Chloride

Concen: 12.706 ppbv

RT: 4.41 min Scan# 459

Delta R.T. 0.00 min

Lab File: VL033332.D

Acq: 15 Mar 2019 14:18

Tgt Ion: 84 Resp: 509051

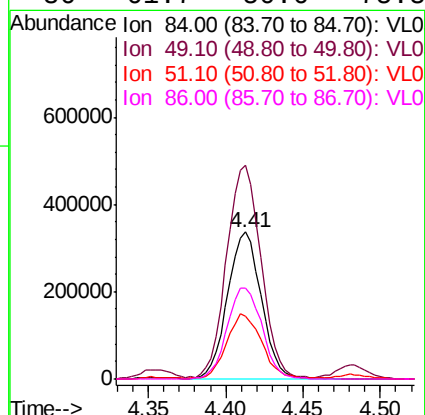
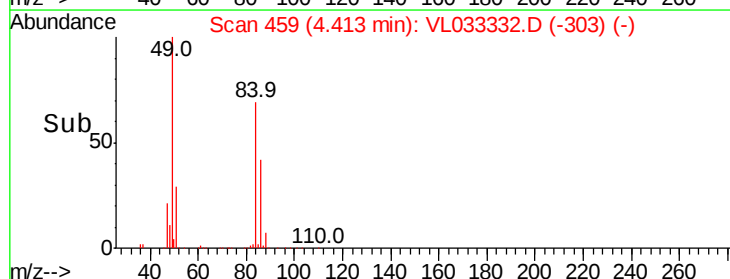
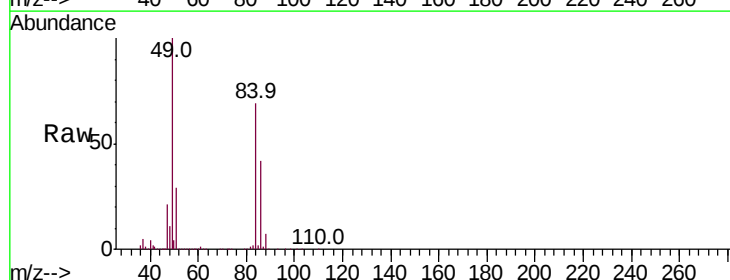
Ion Ratio Lower Upper

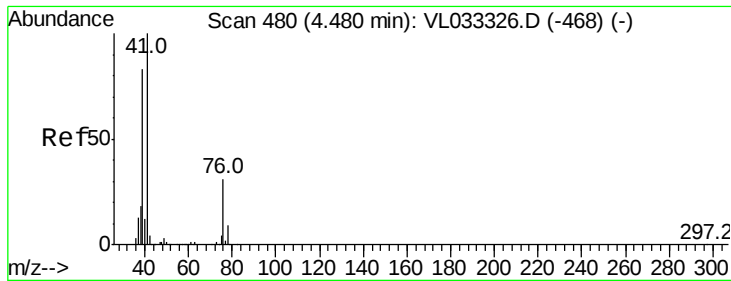
84 100

49 144.3 115.4 173.0

51 42.4 35.8 53.6

86 61.7 50.6 75.8





#21

Allvl Chloride

Concen: 14.809 ppbv

RT: 4.48 min Scan# 480

Delta R.T. 0.00 min

Lab File: VL033332.D

Acq: 15 Mar 2019 14:18

Instrument :

MSVOA_L

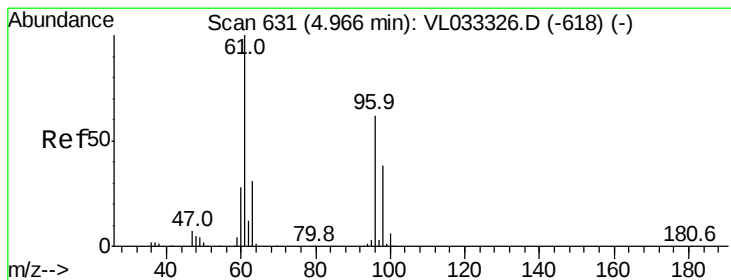
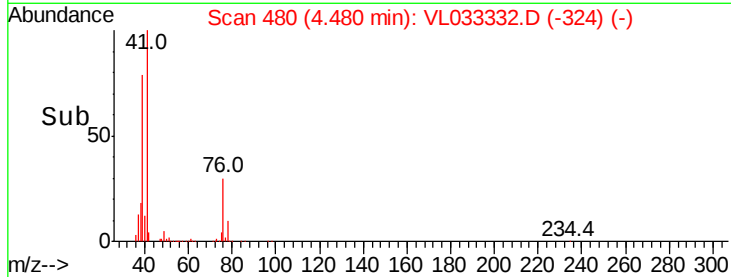
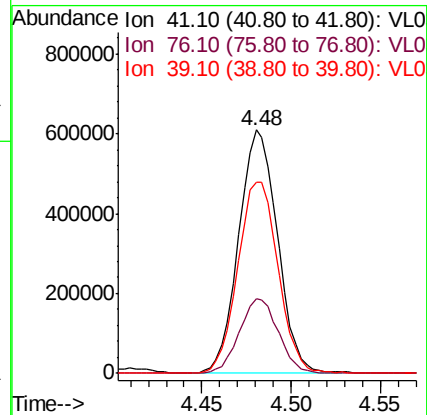
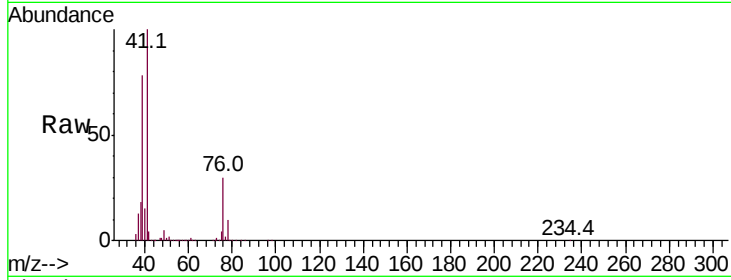
ClientSampleId :

VSTDIC015

Tot Ion:	41	Resp:	916219
Ion Ratio	Lower	Upper	
41	100		
76	30.9	25.0	37.4
39	82.3	65.9	98.9

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#22

trans-1,2-Dichloroethene

Concen: 15.689 ppbv

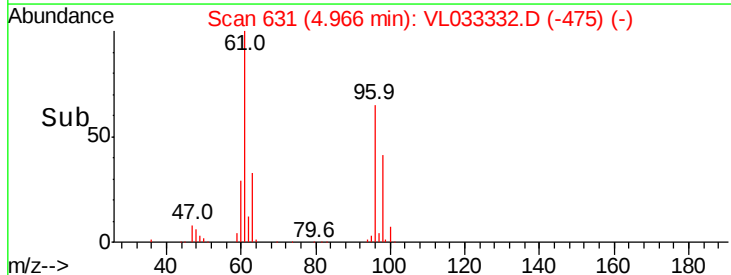
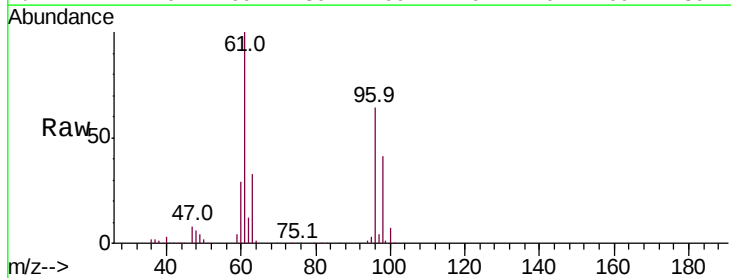
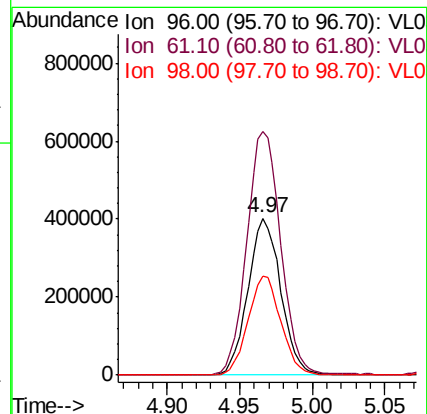
RT: 4.97 min Scan# 631

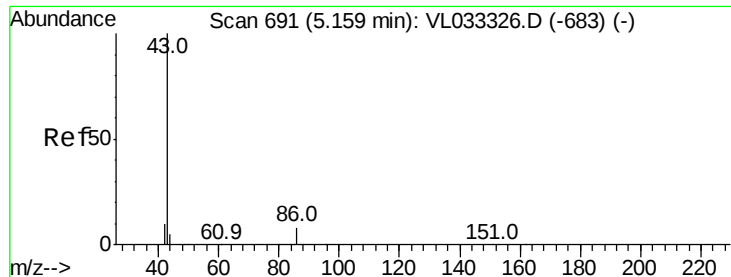
Delta R.T. 0.00 min

Lab File: VL033332.D

Acq: 15 Mar 2019 14:18

Tgt Ion:	96	Resp:	635015
Ion Ratio	Lower	Upper	
96	100		
61	155.3	130.0	195.0
98	63.3	50.0	75.0





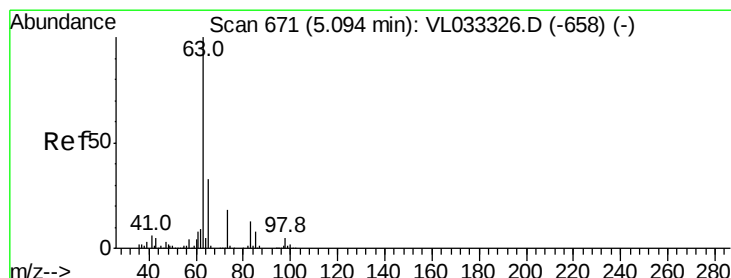
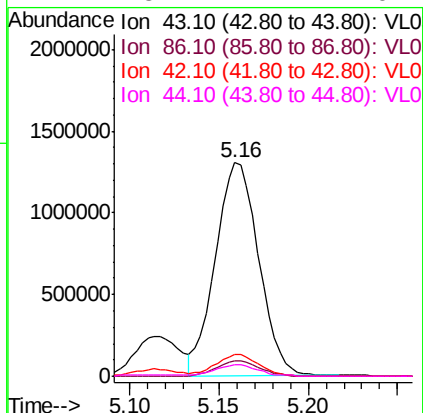
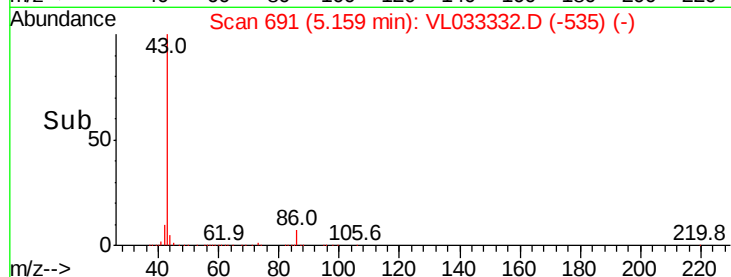
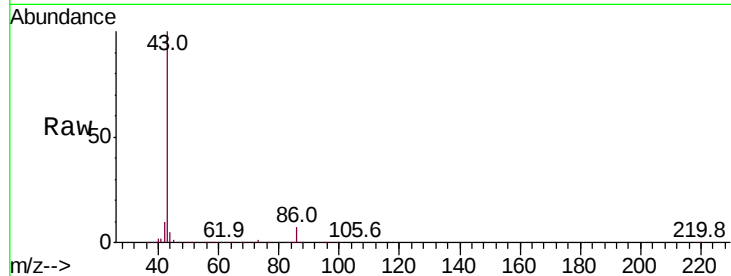
#23
 Vinyl Acetate
 Concen: 15.041 ppbv
 RT: 5.16 min Scan# 691
 Delta R.T. 0.00 min
 Lab File: VL033332.D
 Acq: 15 Mar 2019 14:18

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion	Ratio	Lower	Upper
43	100		
86	7.2	6.2	9.2
42	10.2	8.1	12.1
44	5.2	4.1	6.1

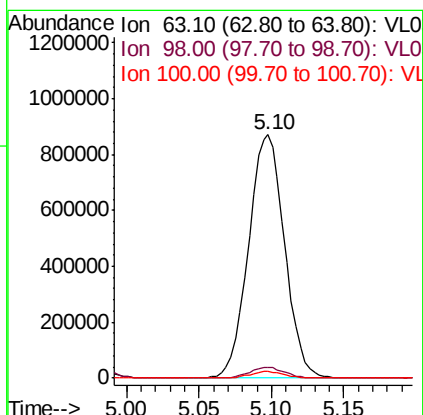
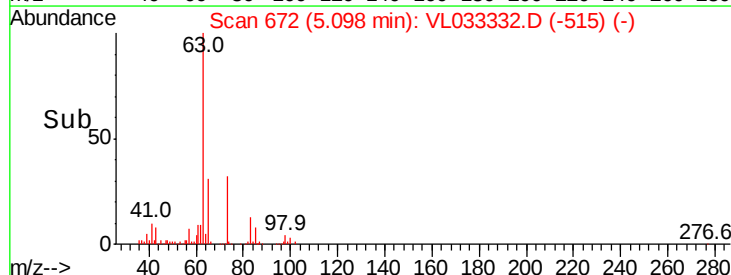
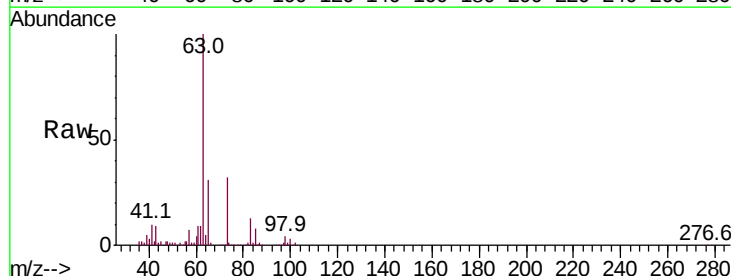
Manual Integrations
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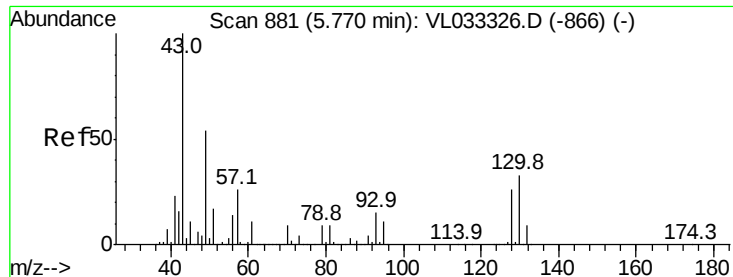
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#24
 1,1-Dichloroethane
 Concen: 14.451 ppbv
 RT: 5.10 min Scan# 672
 Delta R.T. 0.00 min
 Lab File: VL033332.D
 Acq: 15 Mar 2019 14:18

Tgt Ion	Ratio	Lower	Upper
63	100		
98	4.3	2.4	7.1
100	2.9	1.3	3.8





#25

Ethyl Acetate

Concen: 14.224 ppbv

RT: 5.77 min Scan# 882

Delta R.T. 0.00 min

Lab File: VL033332.D

Acq: 15 Mar 2019 14:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 43 Resp: 2574467

Ion Ratio Lower Upper

43 100

45 9.8 7.9 11.9

61 9.2 7.4 11.2

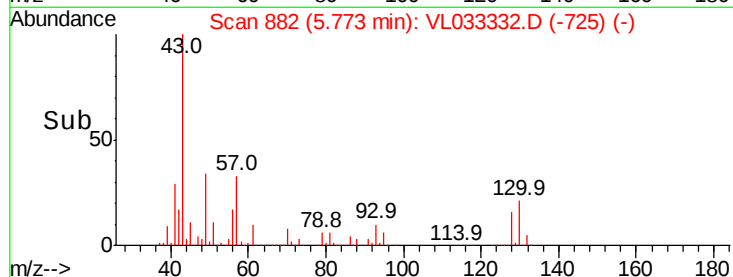
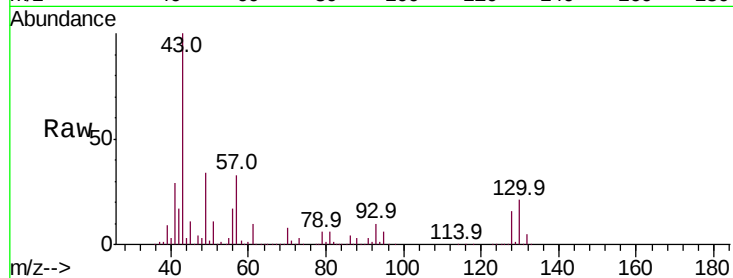
70 7.0 5.7 8.5

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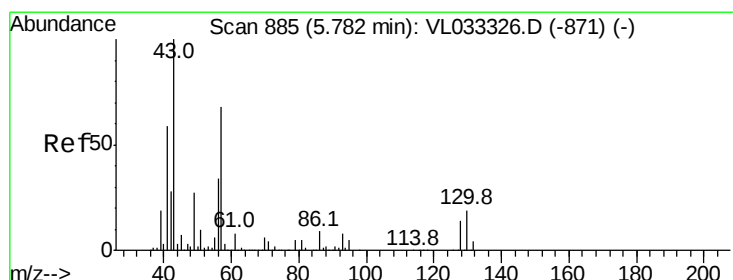
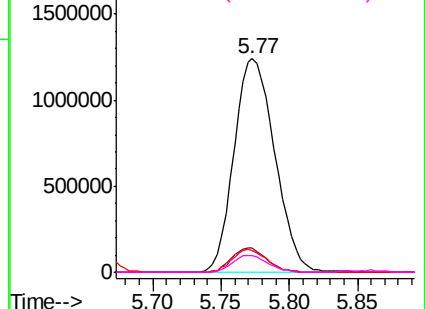


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 13.754 ppbv

RT: 5.79 min Scan# 886

Delta R.T. 0.00 min

Lab File: VL033332.D

Acq: 15 Mar 2019 14:18

Tgt Ion: 57 Resp: 1139056

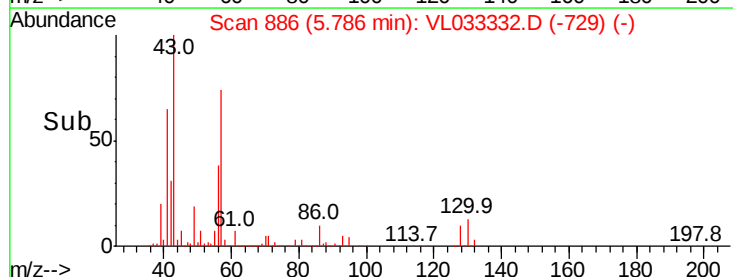
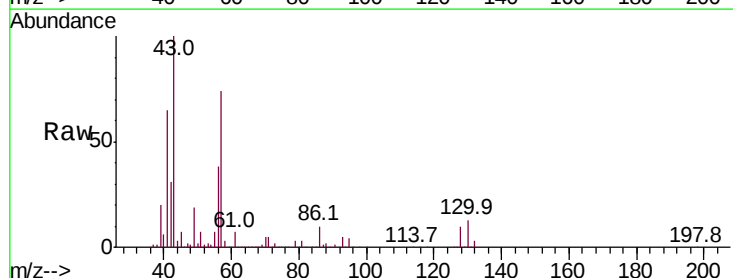
Ion Ratio Lower Upper

57 100

41 89.2 70.5 105.7

43 227.1 181.8 272.8

56 51.9 42.2 63.2

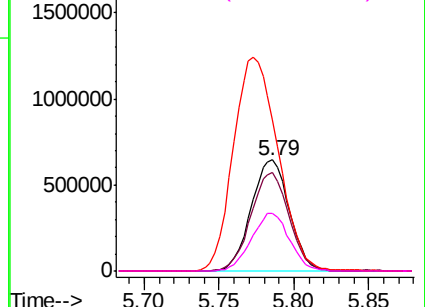


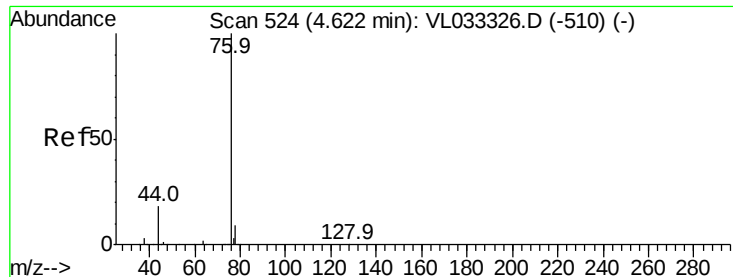
Abundance Ion 57.10 (56.80 to 57.80): VL0

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: 15.974 ppbv

RT: 4.62 min Scan# 524

Delta R.T. 0.00 min

Lab File: VL033332.D

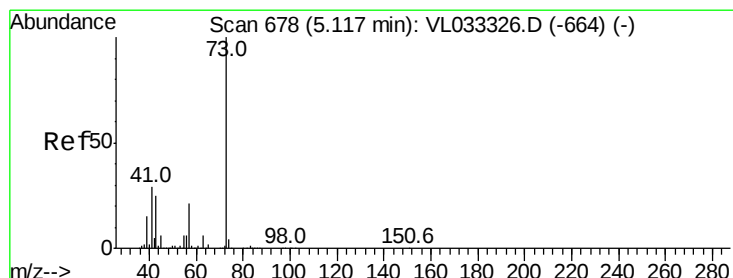
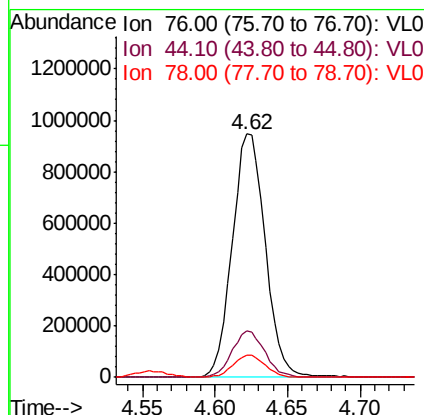
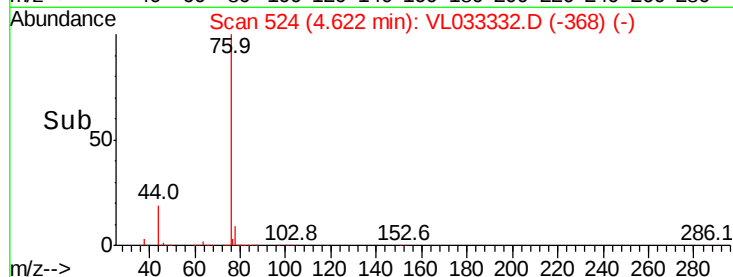
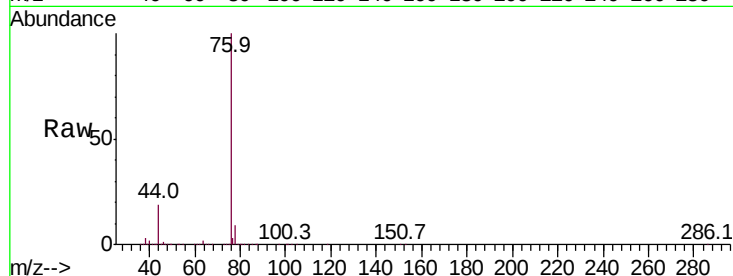
Acq: 15 Mar 2019 14:18

Tot Ion:	76	Resp:	1492491
Ion	Ratio	Lower	Upper
76	100		
44	18.6	15.2	22.8
78	9.1	7.2	10.8

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

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#28

Methyl tert-Butyl Ether

Concen: 14.917 ppbv

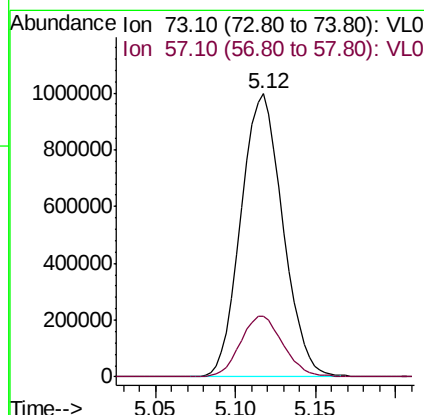
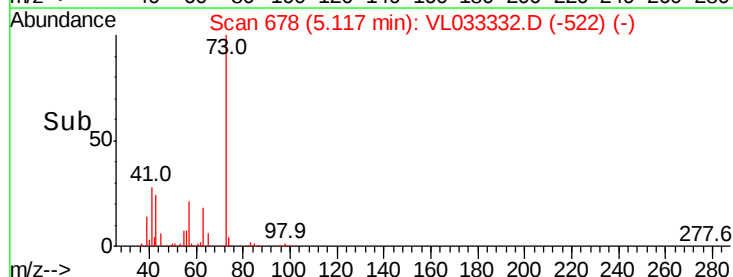
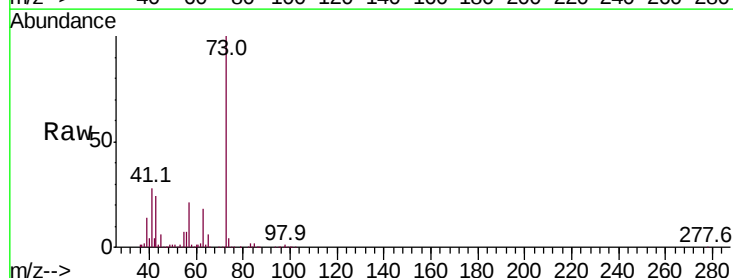
RT: 5.12 min Scan# 678

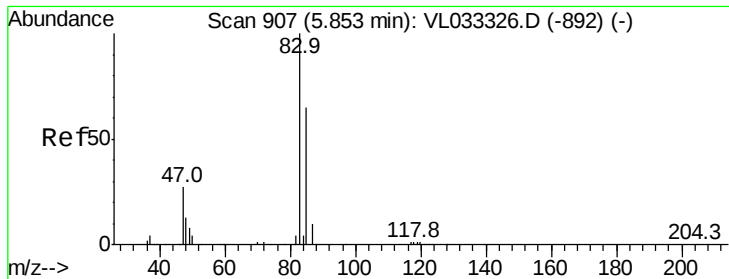
Delta R.T. 0.00 min

Lab File: VL033332.D

Acq: 15 Mar 2019 14:18

Tgt Ion:	73	Resp:	1779092
Ion	Ratio	Lower	Upper
73	100		
57	21.9	17.4	26.0





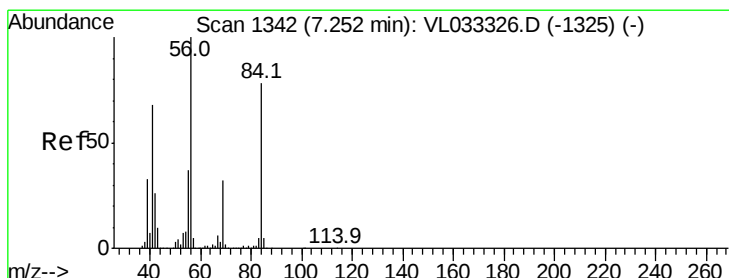
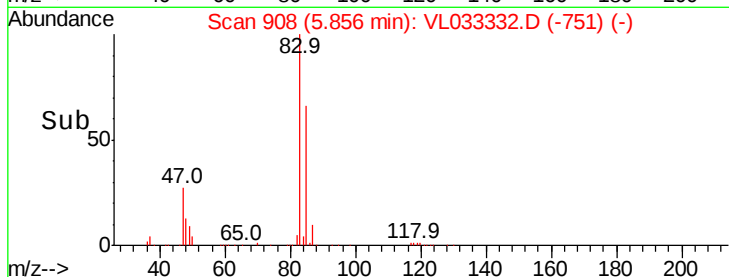
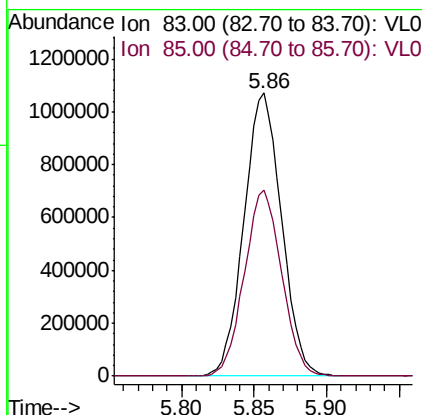
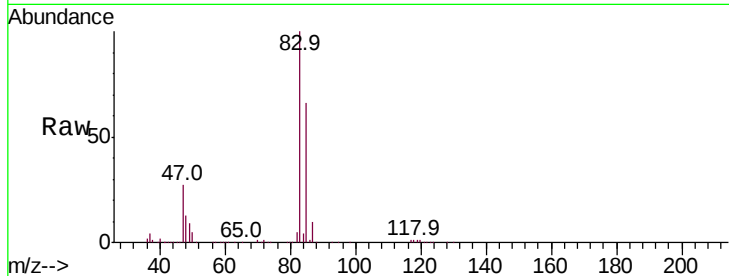
#29
Chloroform
Concen: 14.311 ppbv
RT: 5.86 min Scan# 908
Delta R.T. 0.00 min
Lab File: VL033332.D
Acq: 15 Mar 2019 14:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion: 83 Resp: 1931691
Ion Ratio Lower Upper
83 100
85 65.5 52.0 78.0

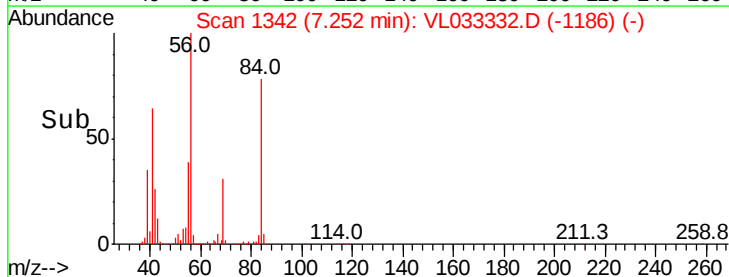
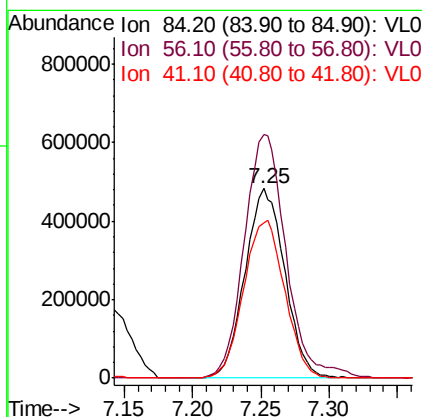
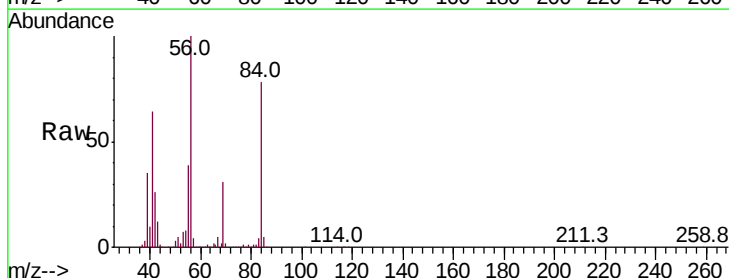
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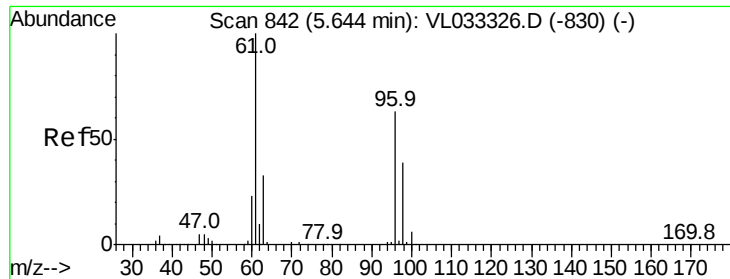
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#30
Cyclohexane
Concen: 14.930 ppbv
RT: 7.25 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VL033332.D
Acq: 15 Mar 2019 14:18

Tgt Ion: 84 Resp: 979044
Ion Ratio Lower Upper
84 100
56 135.6 111.3 166.9
41 86.0 69.6 104.4





#31

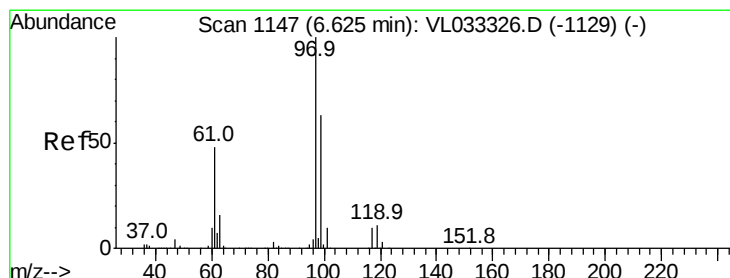
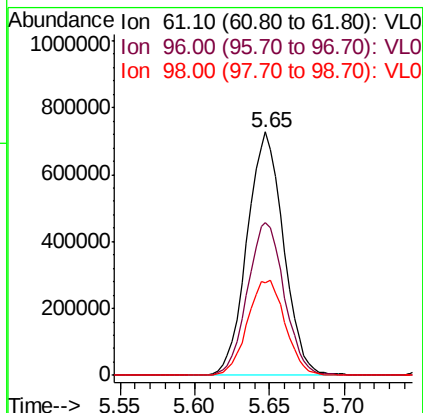
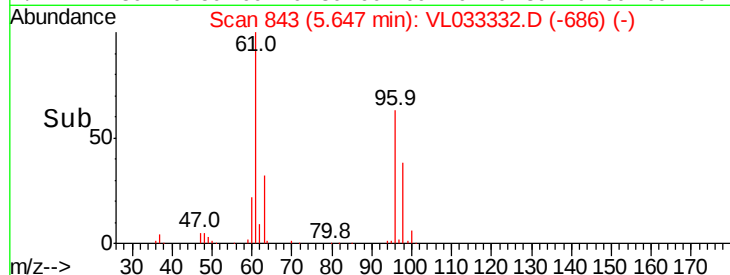
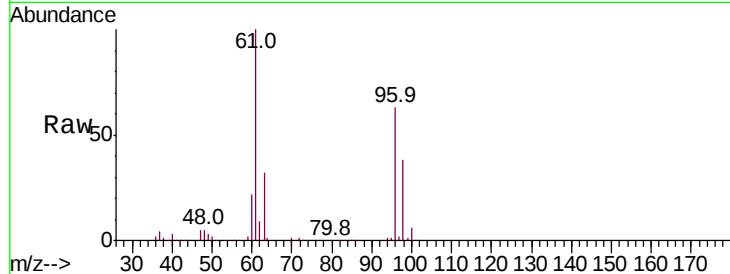
cis-1,2-Dichloroethene
Concen: 15.006 ppbv
RT: 5.65 min Scan# 843
Delta R.T. 0.00 min
Lab File: VL033332.D
Acq: 15 Mar 2019 14:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
61	100		
96	62.6	50.3	75.5
98	37.8	31.5	47.3

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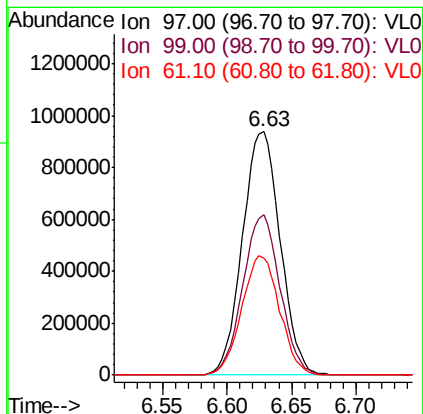
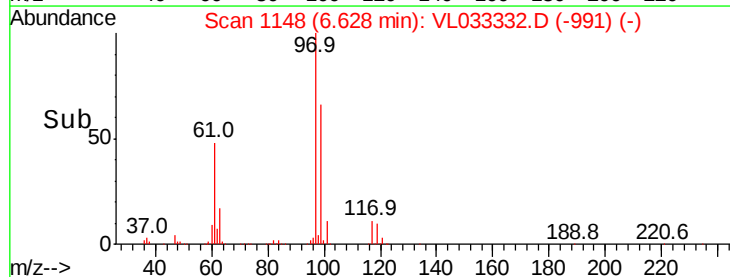
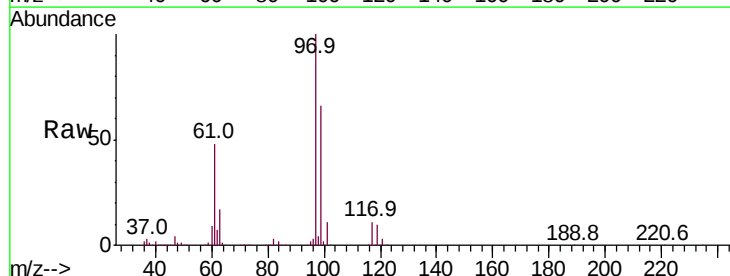
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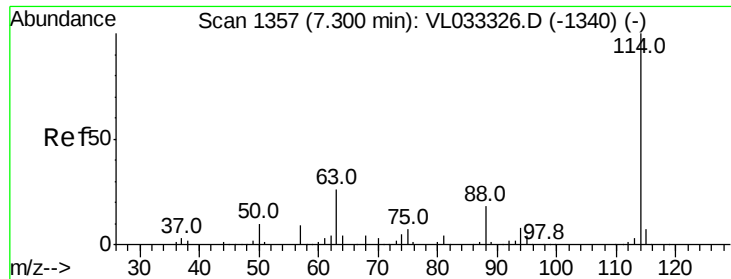


#32

1,1,1-Trichloroethane
Concen: 14.324 ppbv
RT: 6.63 min Scan# 1148
Delta R.T. 0.00 min
Lab File: VL033332.D
Acq: 15 Mar 2019 14:18

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.0	76.6
61	49.0	39.3	58.9





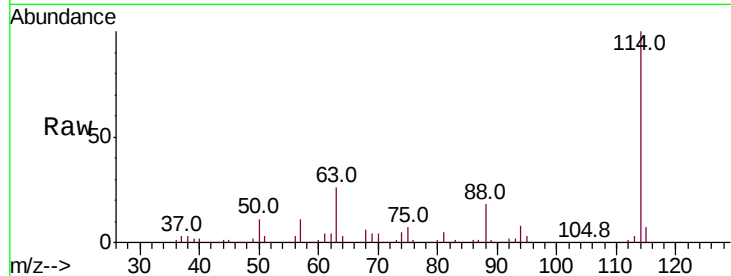
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.30 min Scan# 1357
 Delta R.T. 0.00 min
 Lab File: VL033332.D
 Acq: 15 Mar 2019 14:18

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

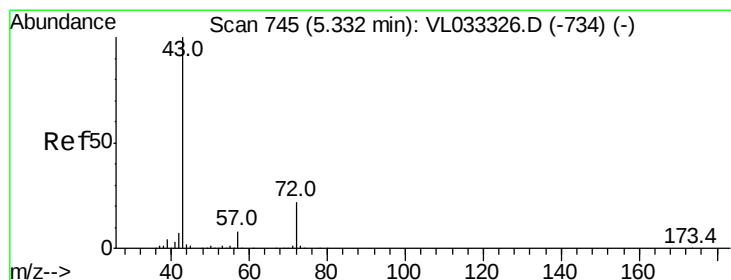
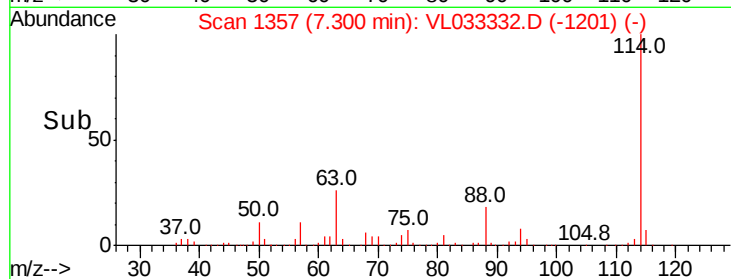
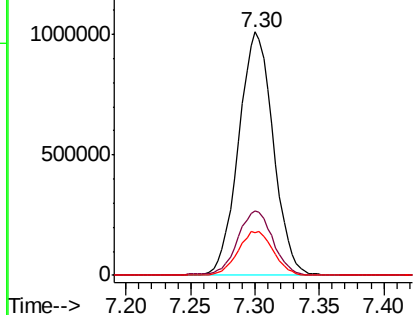
Tot Ion	Ratio	Lower	Upper
114	100		
63	27.3	21.4	32.2
88	18.4	14.5	21.7

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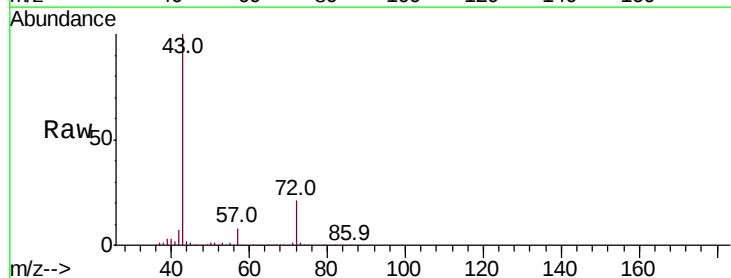


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

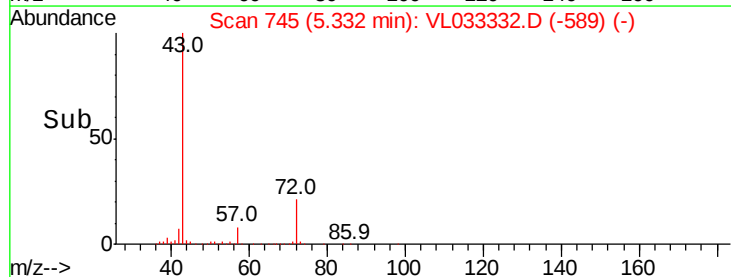
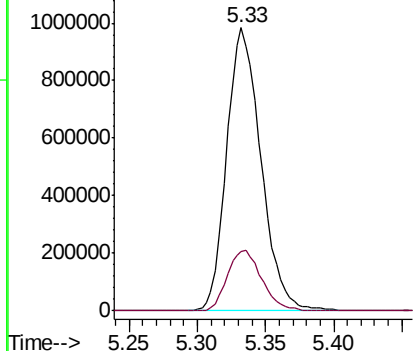


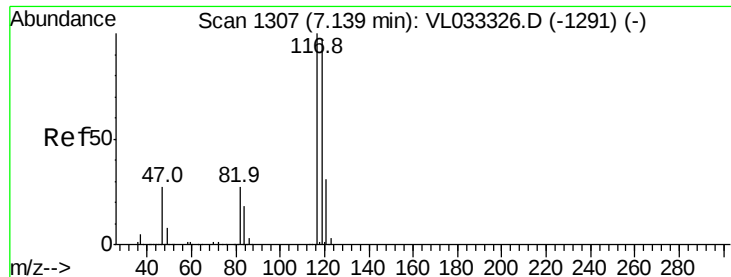
#34
 2-Butanone
 Concen: 14.276 ppbv
 RT: 5.33 min Scan# 745
 Delta R.T. 0.00 min
 Lab File: VL033332.D
 Acq: 15 Mar 2019 14:18

Tgt Ion	Ratio	Lower	Upper
43	100		
72	21.7	17.7	26.5



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





#35

Carbon Tetrachloride

Concen: 15.312 ppbv

RT: 7.14 min Scan# 1308

Delta R.T. 0.00 min

Lab File: VL033332.D

Acq: 15 Mar 2019 14:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion:117 Resp: 2085038

Ion Ratio Lower Upper

117 100

119 95.3 77.4 116.0

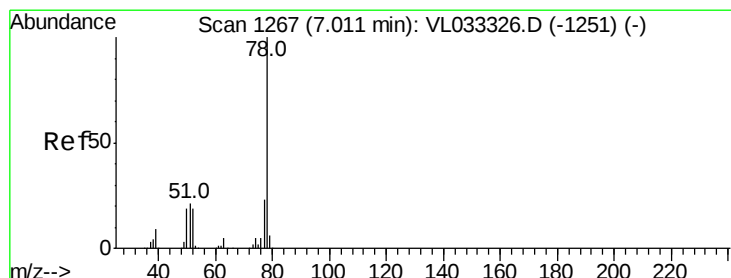
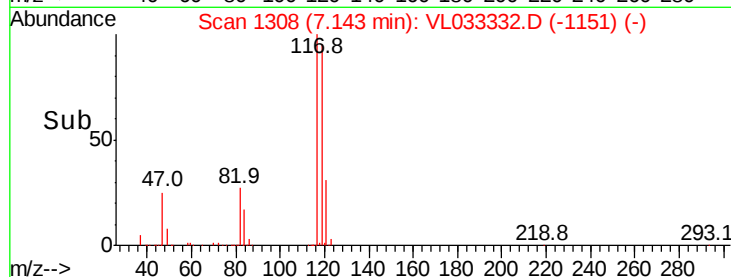
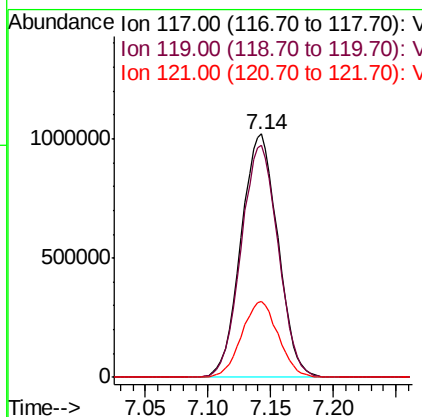
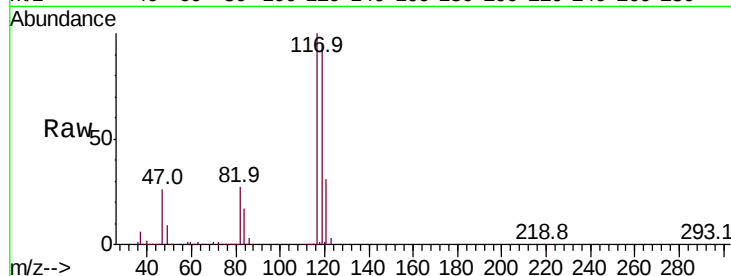
121 31.3 24.9 37.3

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#36

Benzene

Concen: 14.841 ppbv

RT: 7.01 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VL033332.D

Acq: 15 Mar 2019 14:18

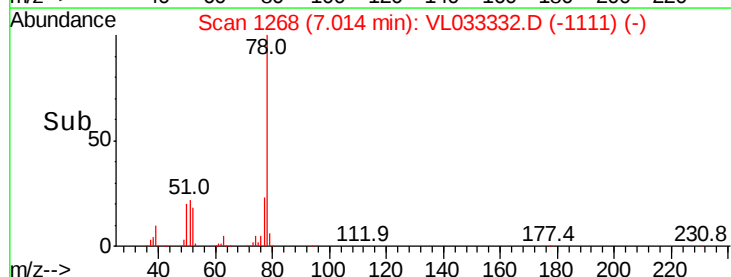
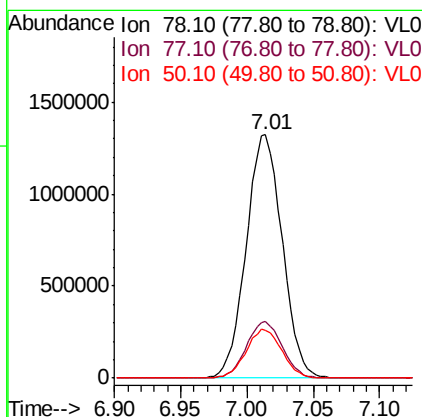
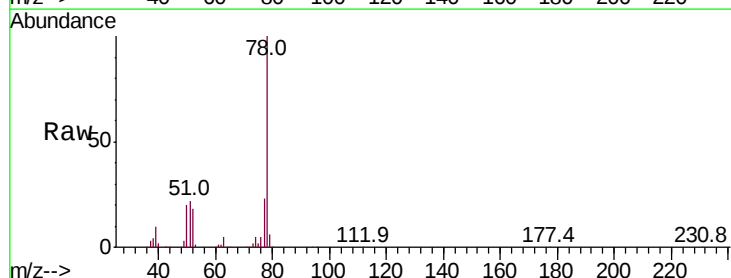
Tgt Ion: 78 Resp: 2502811

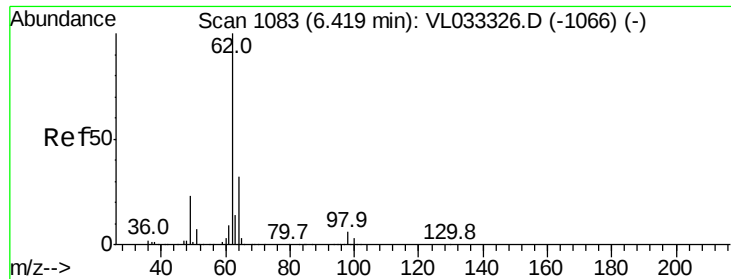
Ion Ratio Lower Upper

78 100

77 23.1 18.1 27.1

50 19.8 15.2 22.8





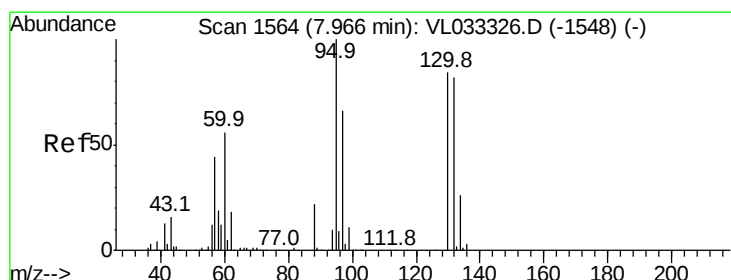
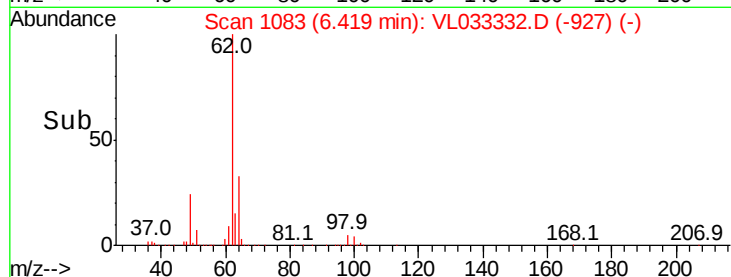
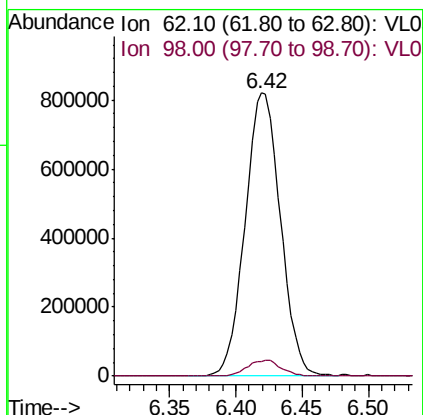
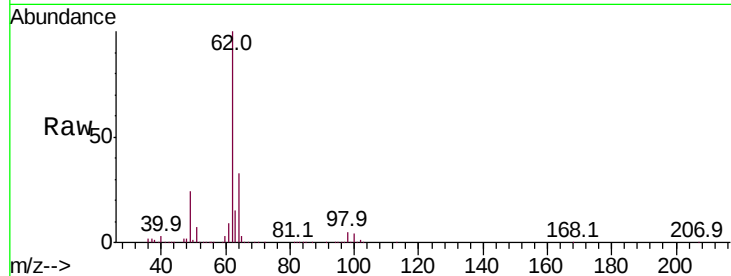
#37
 1,2-Dichloroethane
 Concen: 14.439 ppbv
 RT: 6.42 min Scan# 1083
 Delta R.T. 0.00 min
 Lab File: VL033332.D
 Acq: 15 Mar 2019 14:18

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion: 62 Resp: 1518235
 Ion Ratio Lower Upper
 62 100
 98 5.5 4.5 6.7

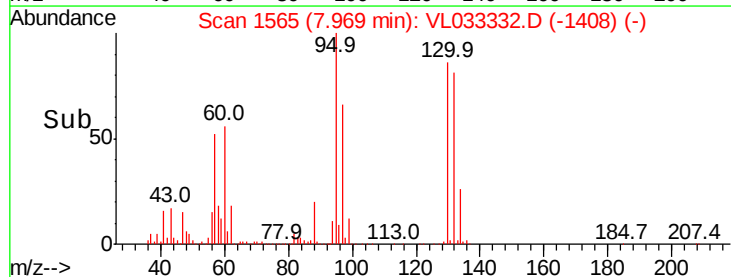
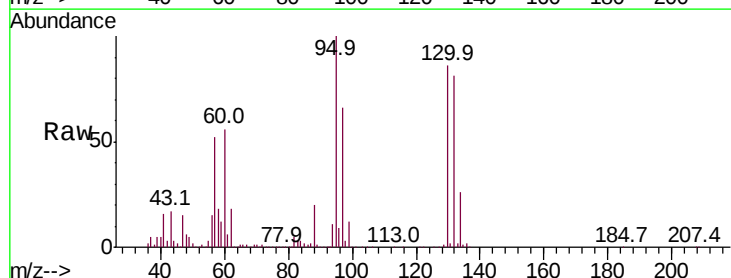
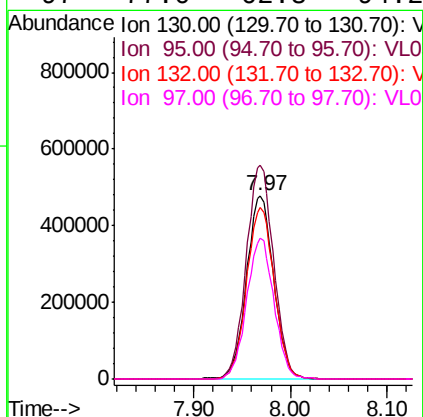
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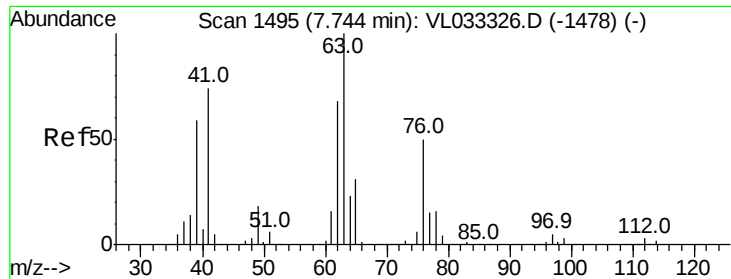
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#38
 Trichloroethene
 Concen: 14.100 ppbv
 RT: 7.97 min Scan# 1565
 Delta R.T. 0.00 min
 Lab File: VL033332.D
 Acq: 15 Mar 2019 14:18

Tgt Ion:130 Resp: 935926
 Ion Ratio Lower Upper
 130 100
 95 116.5 95.2 142.8
 132 93.9 77.7 116.5
 97 77.0 62.8 94.2





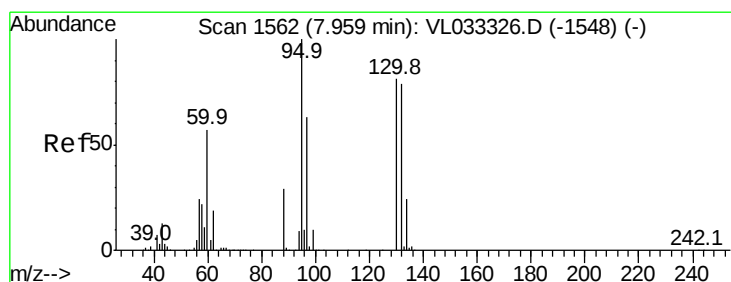
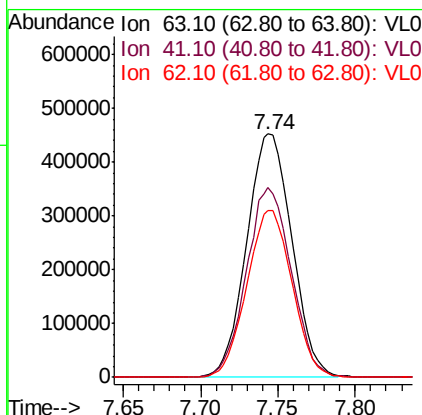
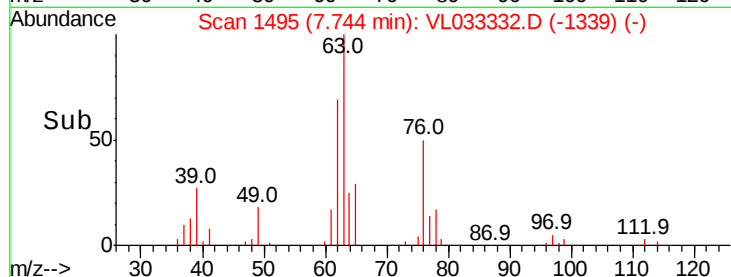
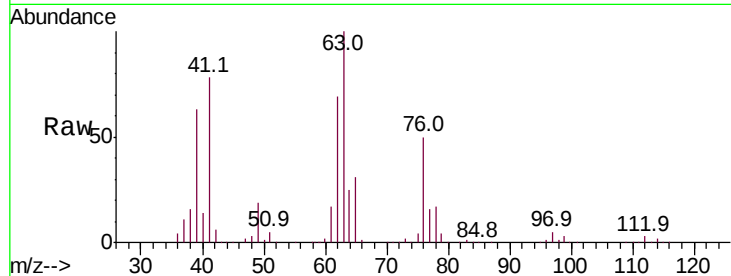
#39
 1,2-Dichloropropane
 Concen: 14.379 ppbv
 RT: 7.74 min Scan# 1495
 Delta R.T. 0.00 min
 Lab File: VL033332.D
 Acq: 15 Mar 2019 14:18

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion	Ratio	Lower	Upper
63	100		
41	78.2	59.5	89.3
62	68.5	54.7	82.1

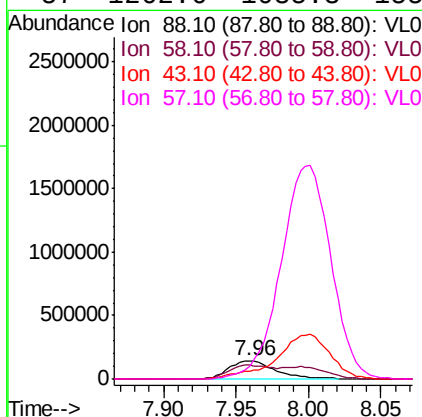
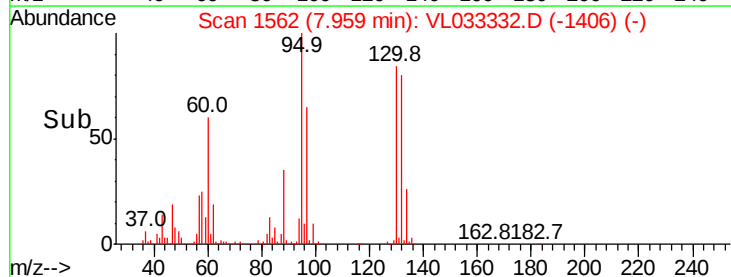
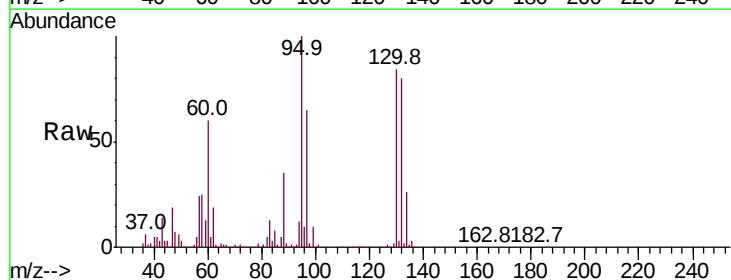
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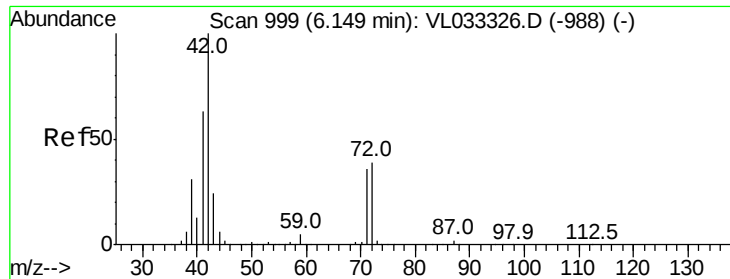
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#40
 1,4-Dioxane
 Concen: 13.597 ppbv
 RT: 7.96 min Scan# 1562
 Delta R.T. 0.00 min
 Lab File: VL033332.D
 Acq: 15 Mar 2019 14:18

Tgt Ion	Ratio	Lower	Upper
88	100		
58	133.7	107.9	161.9
43	285.9	230.8	346.2
57	1262.6	1035.3	1552.9





#41

Tetrahydrofuran

Concen: 14.970 ppbv

RT: 6.15 min Scan# 999

Delta R.T. 0.00 min

Lab File: VL033332.D

Acq: 15 Mar 2019 14:18

Instrument :

MSVOA_L

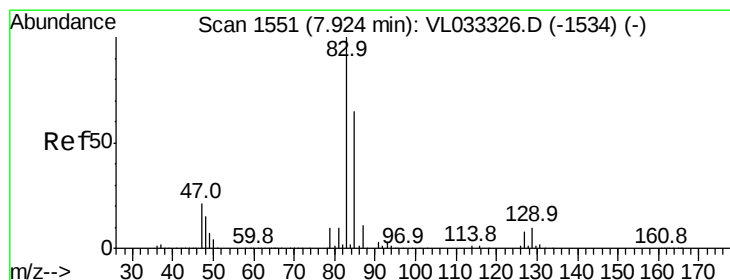
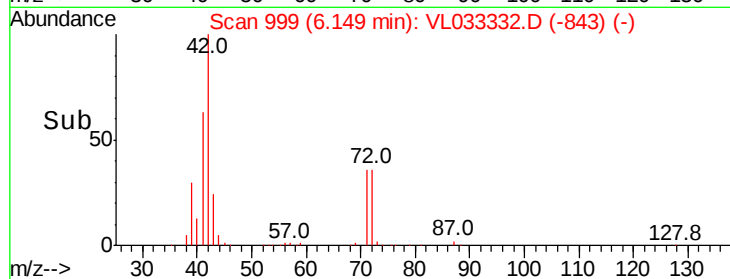
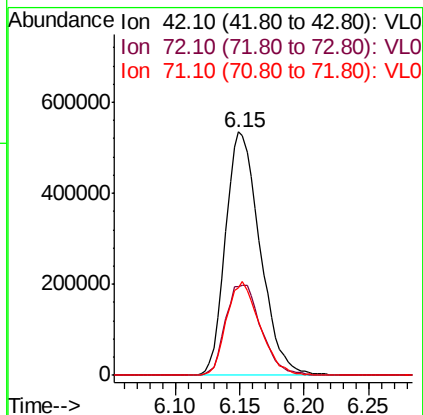
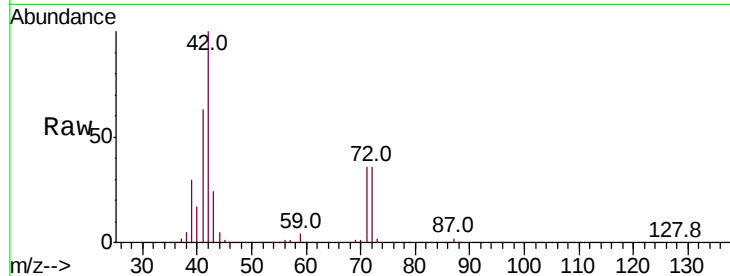
ClientSampleId :

VSTDIC015

Tot Ion:	42	Resp:	993446
Ion Ratio	Lower	Upper	
42	100		
72	38.8	31.6	47.4
71	37.6	29.9	44.9

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#42

Bromodichloromethane

Concen: 15.178 ppbv

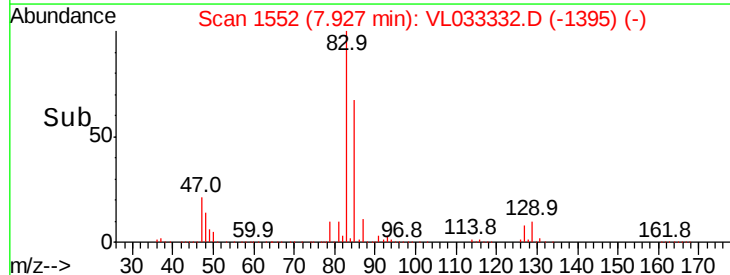
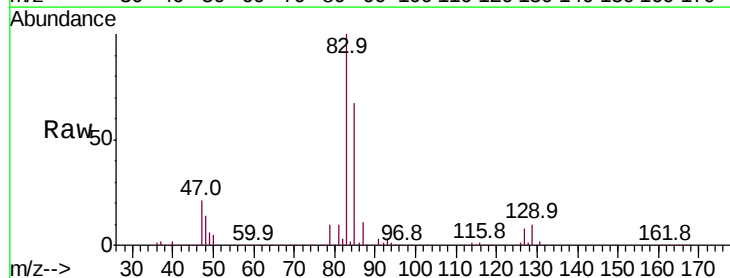
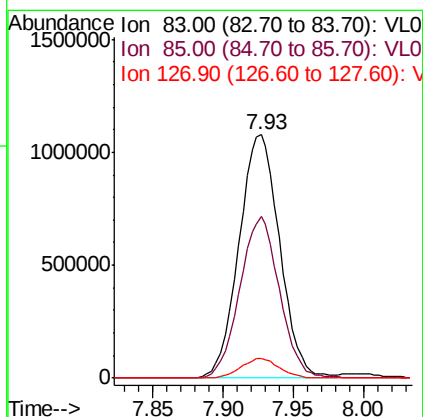
RT: 7.93 min Scan# 1552

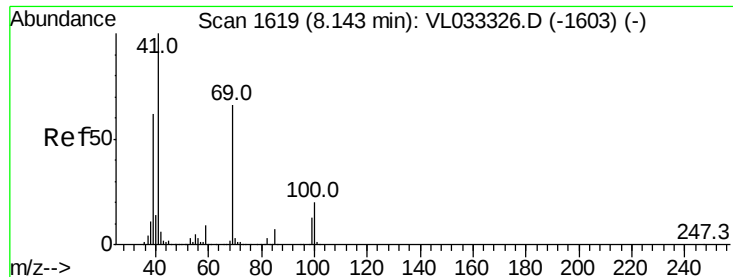
Delta R.T. 0.00 min

Lab File: VL033332.D

Acq: 15 Mar 2019 14:18

Tgt Ion:	83	Resp:	2175151
Ion Ratio	Lower	Upper	
83	100		
85	66.6	51.8	77.6
127	8.1	6.2	9.2





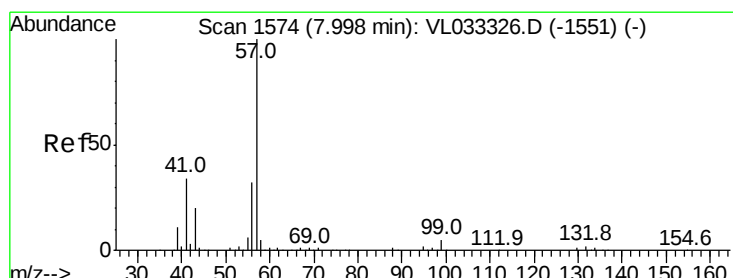
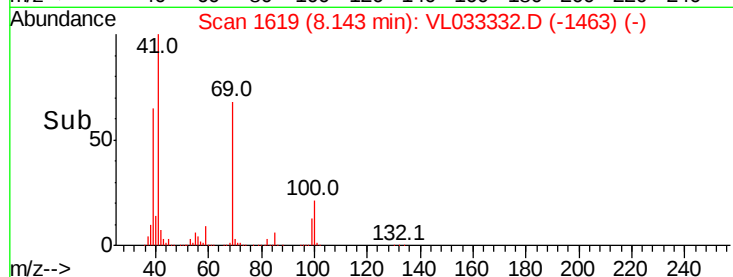
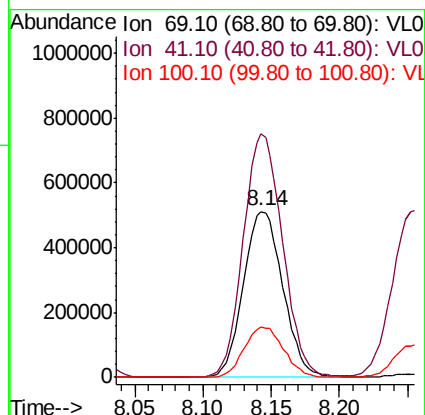
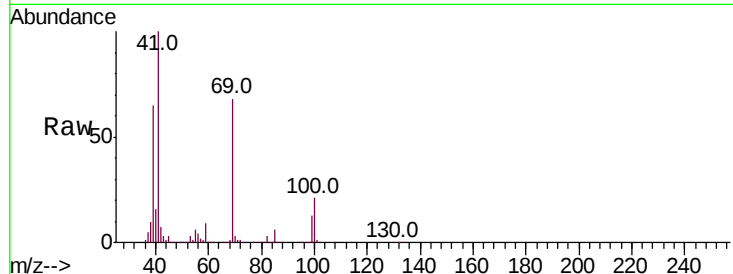
#43
Methyl Methacrylate
Concen: 15.634 ppbv
RT: 8.14 min Scan# 1619
Delta R.T. 0.00 min
Lab File: VL033332.D
Acq: 15 Mar 2019 14:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion: 69 Resp: 1027940
Ion Ratio Lower Upper
69 100
41 146.4 119.5 179.3
100 30.3 24.4 36.6

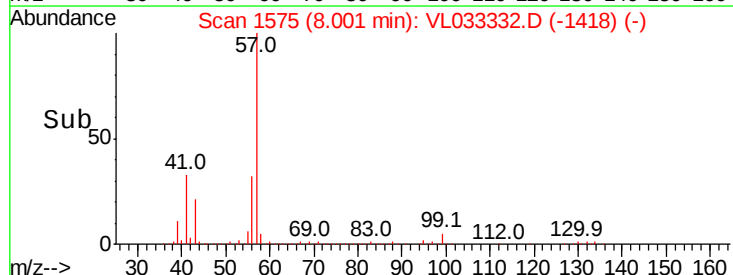
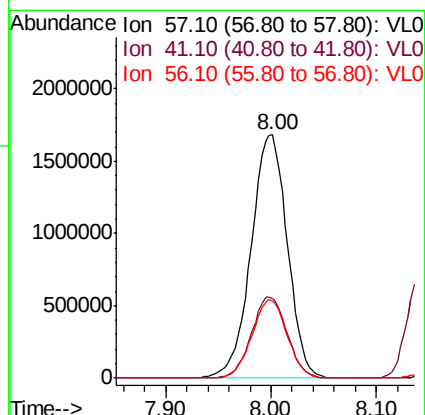
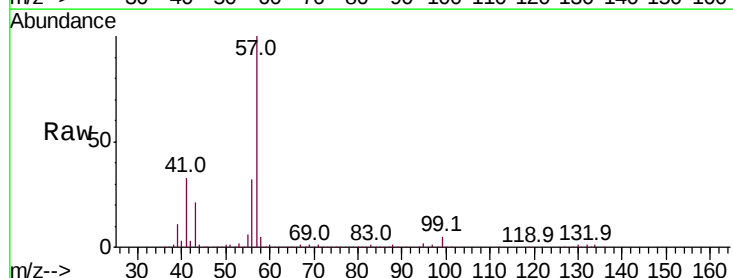
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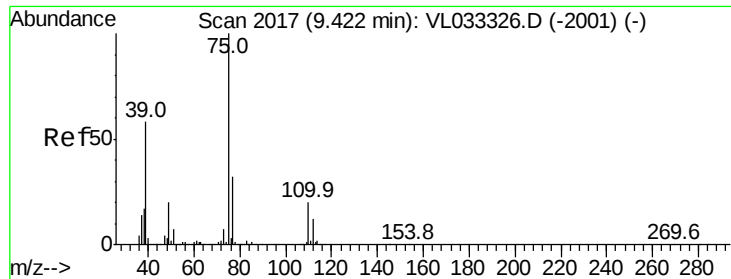
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#44
2,2,4-Trimethylpentane
Concen: 14.237 ppbv
RT: 8.00 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VL033332.D
Acq: 15 Mar 2019 14:18

Tgt Ion: 57 Resp: 4026806
Ion Ratio Lower Upper
57 100
41 33.0 26.0 39.0
56 31.2 24.6 36.8





#45

t-1,3-Dichloropropene

Concen: 17.815 ppbv

RT: 9.43 min Scan# 2018

Delta R.T. 0.00 min

Lab File: VL033332.D

Acq: 15 Mar 2019 14:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 75 Resp: 1435136

Ion Ratio Lower Upper

75 100

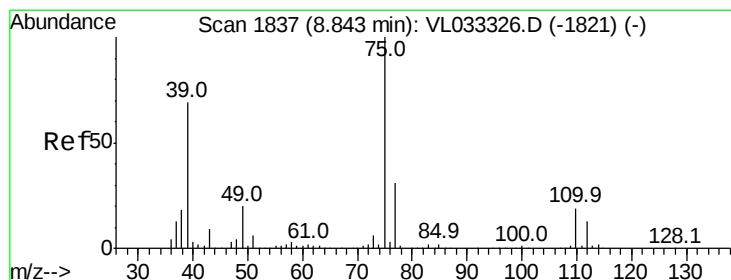
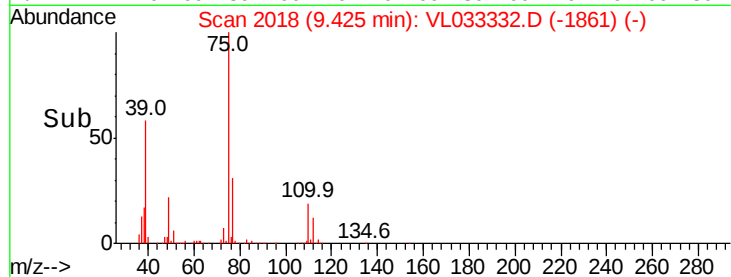
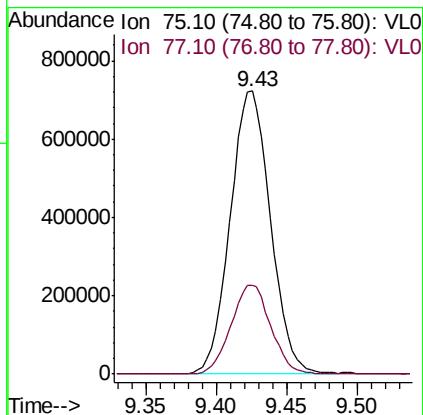
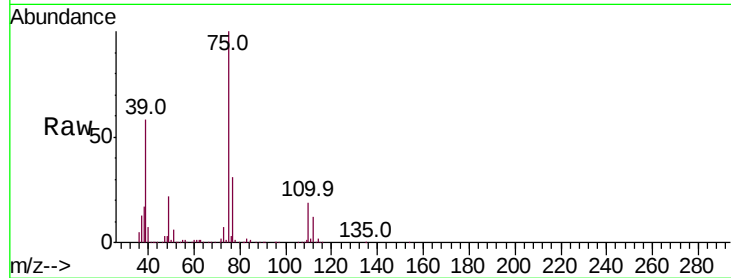
77 31.4 25.5 38.3

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#46

cis-1,3-Dichloropropene

Concen: 16.837 ppbv

RT: 8.84 min Scan# 1837

Delta R.T. 0.00 min

Lab File: VL033332.D

Acq: 15 Mar 2019 14:18

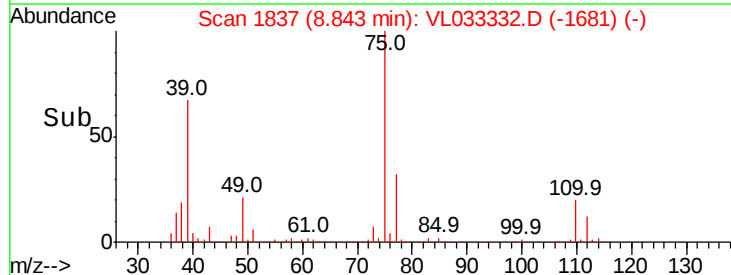
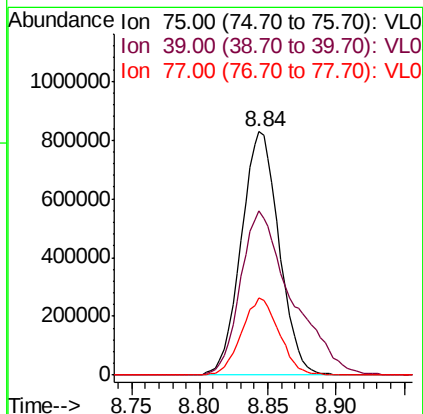
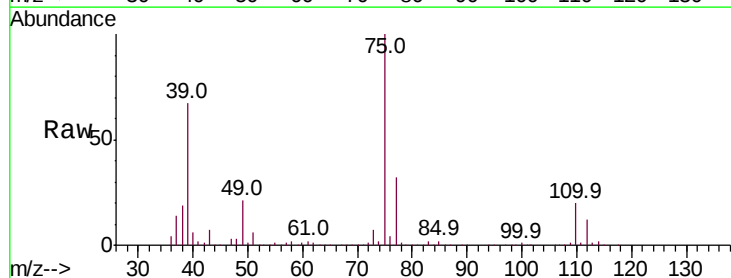
Tgt Ion: 75 Resp: 1593265

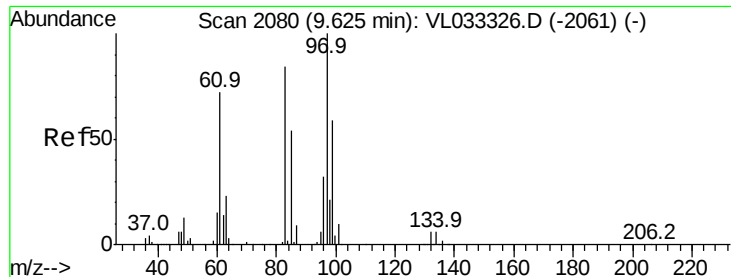
Ion Ratio Lower Upper

75 100

39 67.3 55.0 82.6

77 31.5 24.5 36.7





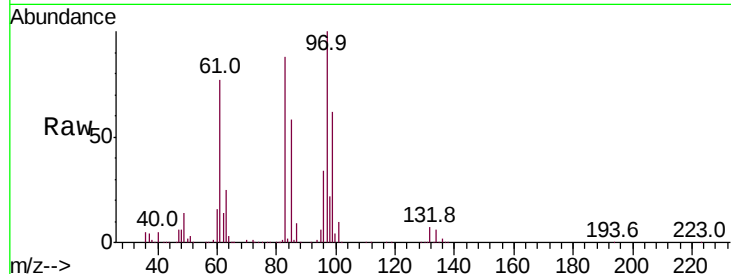
#47
 1,1,2-Trichloroethane
 Concen: 14.890 ppbv
 RT: 9.62 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VL033332.D
 Acq: 15 Mar 2019 14:18

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion	Ratio	Lower	Upper
97	100		
83	87.8	67.4	101.0
85	57.5	43.0	64.4
99	61.9	47.0	70.6

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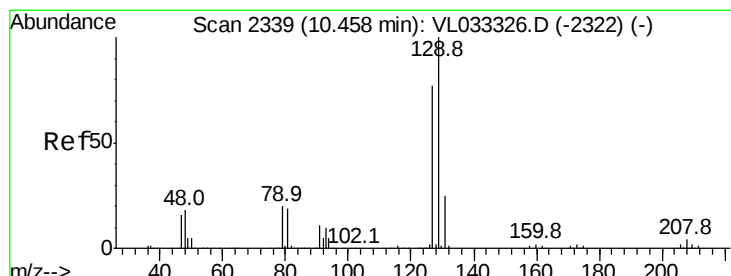
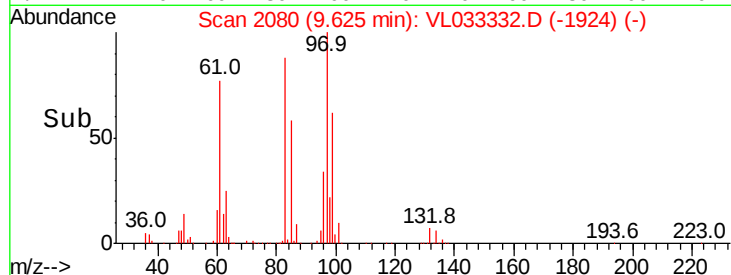
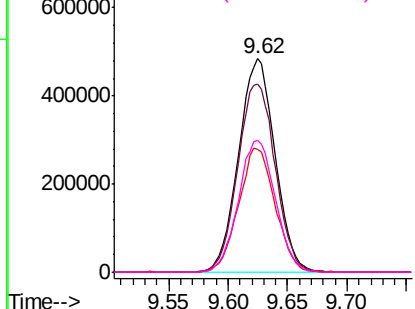
Abundance

Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

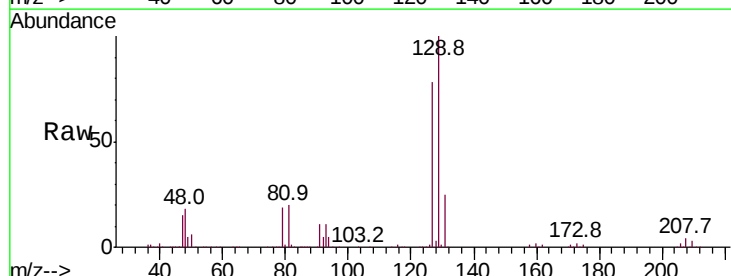
Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48
 Dibromochloromethane
 Concen: 15.958 ppbv
 RT: 10.46 min Scan# 2340
 Delta R.T. 0.00 min
 Lab File: VL033332.D
 Acq: 15 Mar 2019 14:18

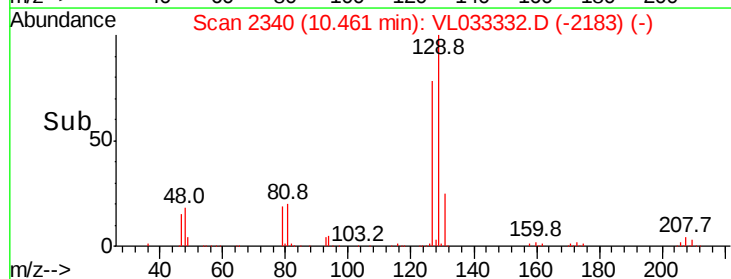
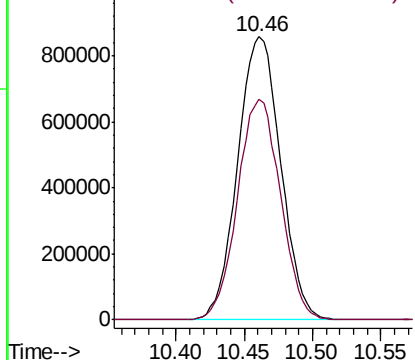
Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.1	38.9	116.6

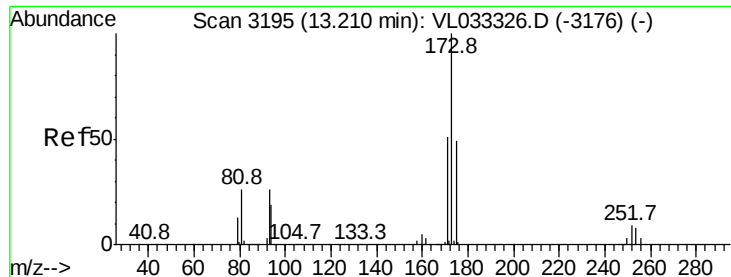


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 17.859 ppbv

RT: 13.21 min Scan# 3196

Delta R.T. 0.00 min

Lab File: VL033332.D

Acq: 15 Mar 2019 14:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion:173 Resp: 1906989

Ion Ratio Lower Upper

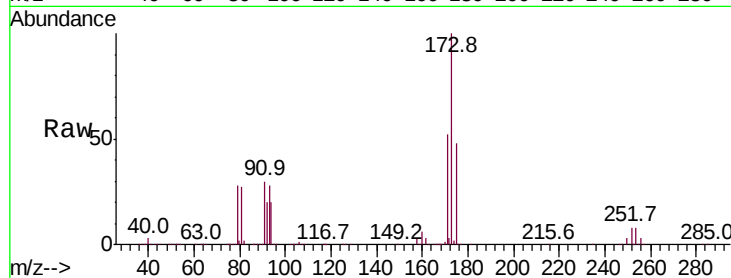
173 100

175 48.7 39.0 58.6

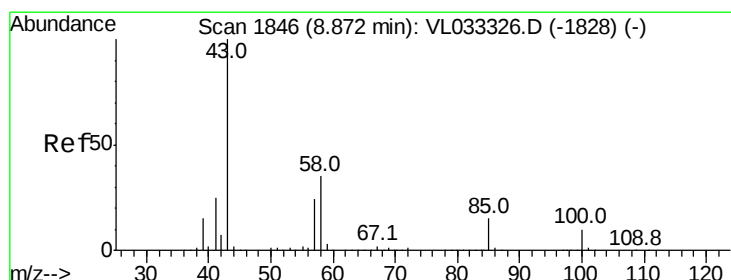
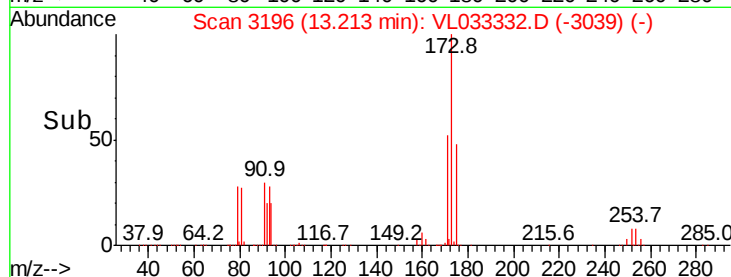
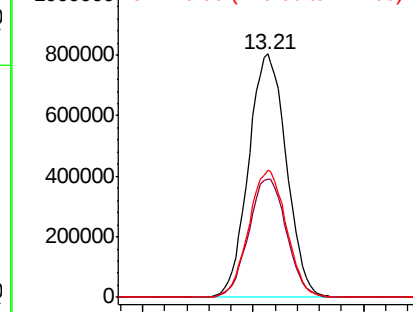
171 52.1 41.7 62.5

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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: 14.766 ppbv

RT: 8.88 min Scan# 1847

Delta R.T. 0.00 min

Lab File: VL033332.D

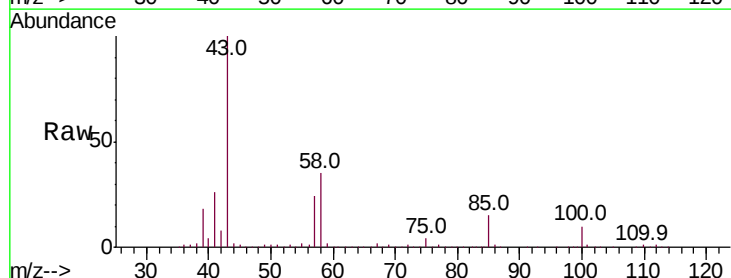
Acq: 15 Mar 2019 14:18

Tgt Ion: 43 Resp: 2584545

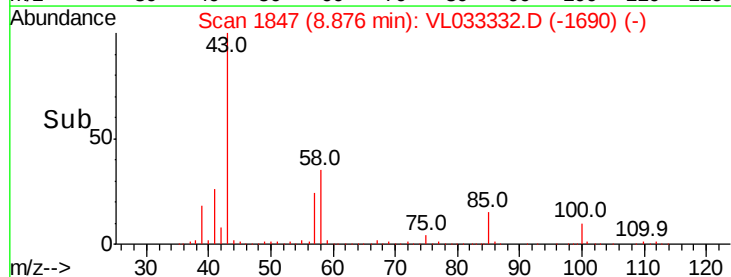
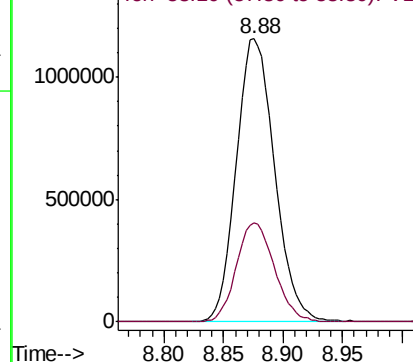
Ion Ratio Lower Upper

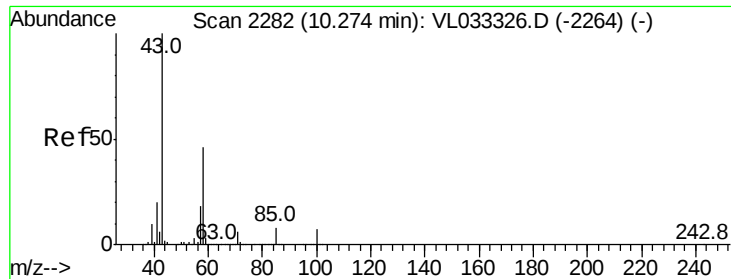
43 100

58 34.9 28.4 42.6



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





#51

2-Hexanone

Concen: 14.832 ppbv

RT: 10.28 min Scan# 2283

Delta R.T. 0.00 min

Lab File: VL033332.D

Acq: 15 Mar 2019 14:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 43 Resp: 2067749

Ion Ratio Lower Upper

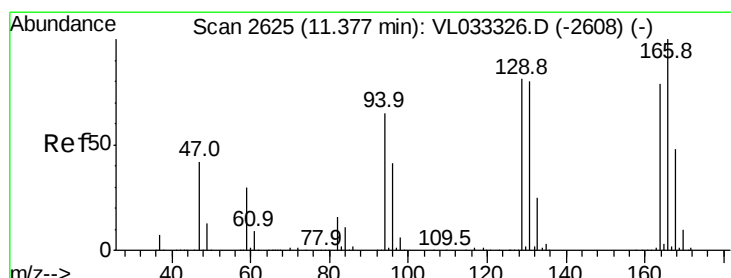
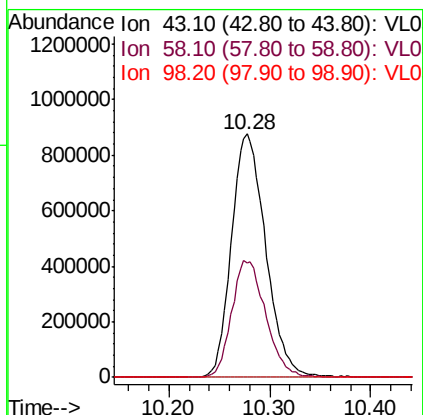
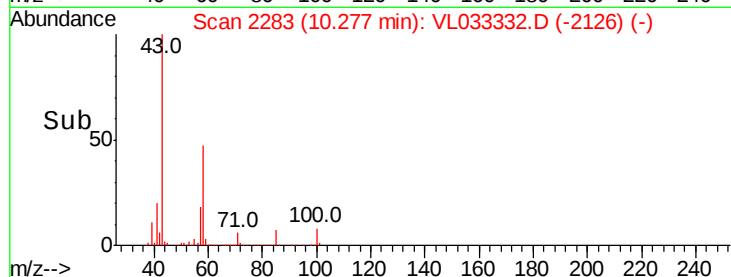
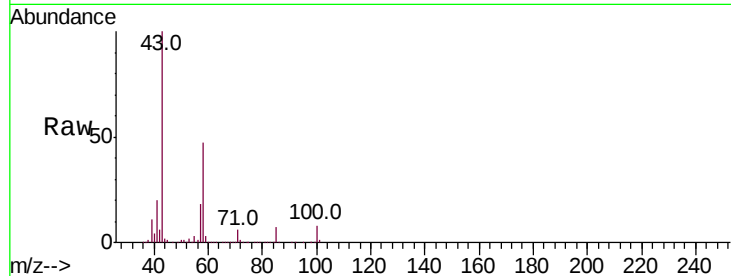
43 100

58 47.7 38.0 57.0

98 0.1 0.1 0.1#

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#52

Tetrachloroethene

Concen: 15.354 ppbv

RT: 11.38 min Scan# 2626

Delta R.T. 0.00 min

Lab File: VL033332.D

Acq: 15 Mar 2019 14:18

Tgt Ion: 164 Resp: 1045990

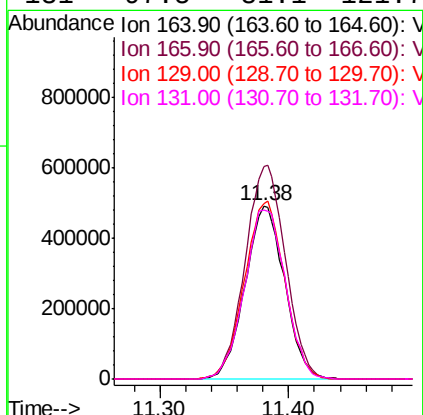
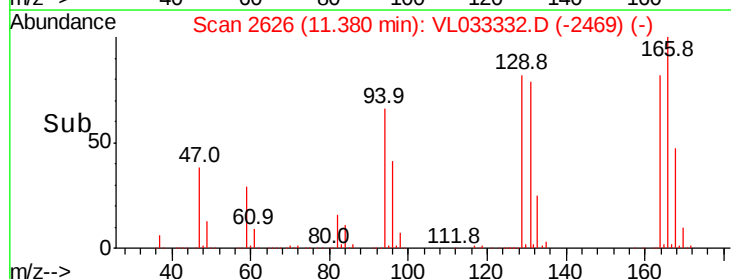
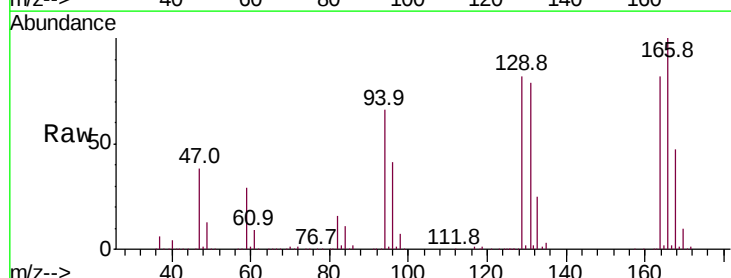
Ion Ratio Lower Upper

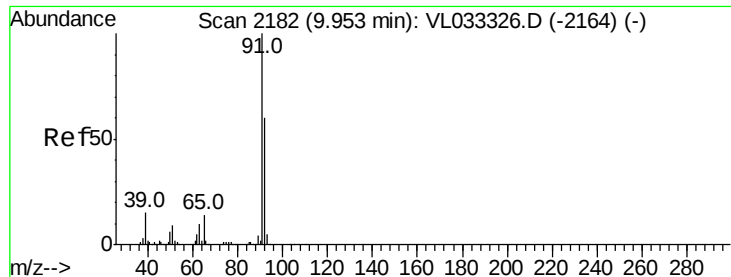
164 100

166 122.7 101.5 152.3

129 101.2 82.2 123.2

131 97.5 81.1 121.7





#53

Toluene

Concen: 15.320 ppbv

RT: 9.96 min Scan# 2183

Delta R.T. 0.00 min

Lab File: VL033332.D

Acq: 15 Mar 2019 14:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 91 Resp: 2947052

Ion Ratio Lower Upper

91 100

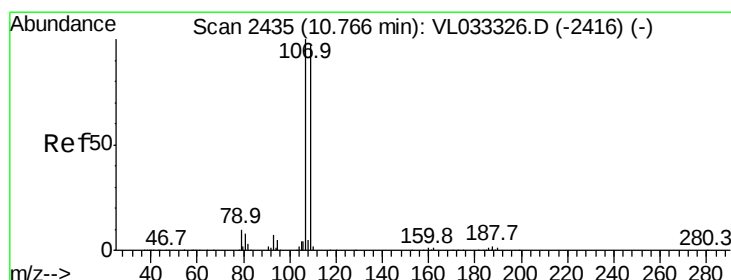
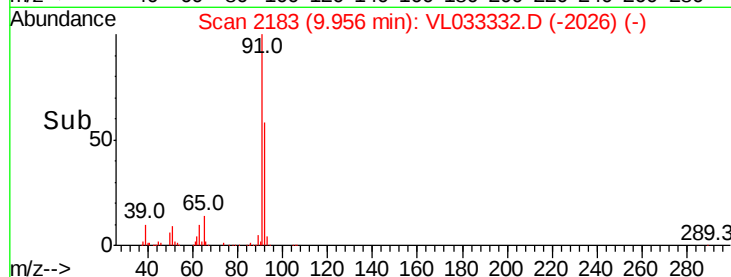
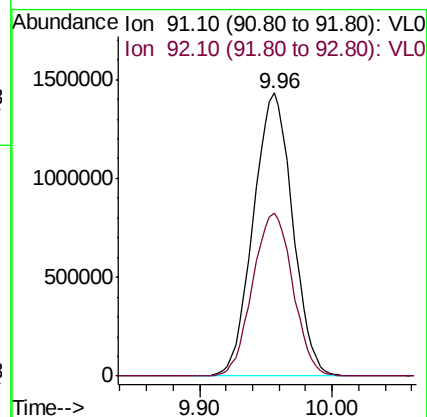
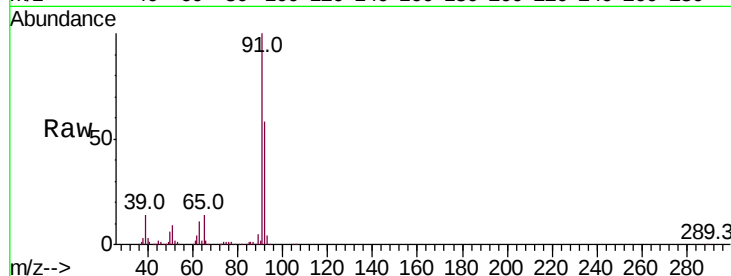
92 59.0 47.4 71.0

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#54

1,2-Dibromoethane

Concen: 16.468 ppbv

RT: 10.77 min Scan# 2436

Delta R.T. 0.00 min

Lab File: VL033332.D

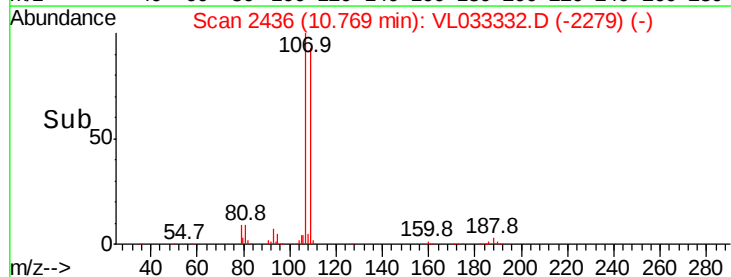
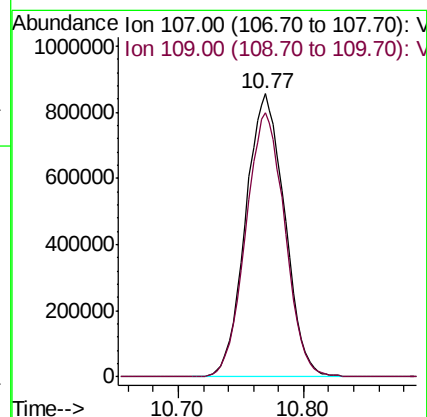
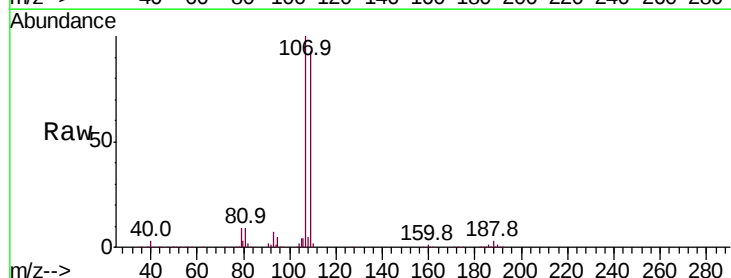
Acq: 15 Mar 2019 14:18

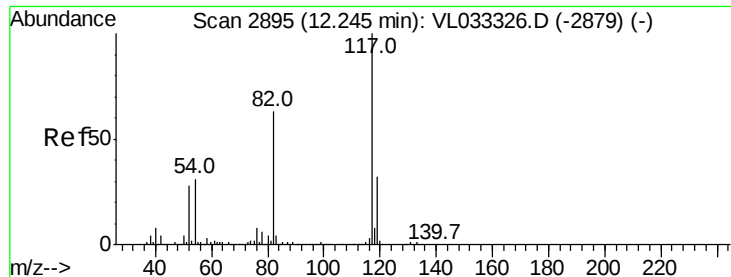
Tgt Ion: 107 Resp: 1852891

Ion Ratio Lower Upper

107 100

109 93.2 77.2 115.8





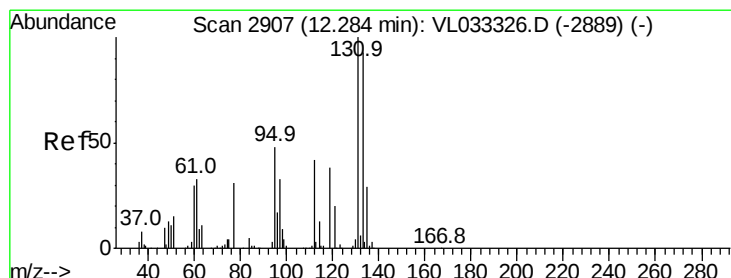
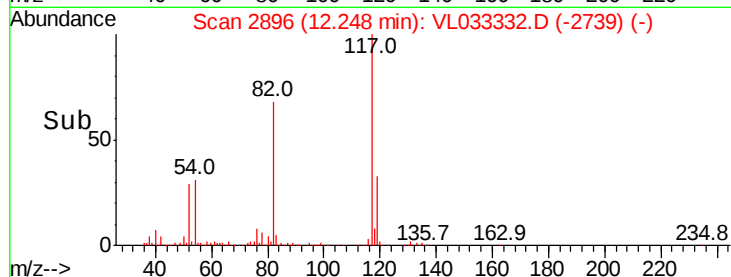
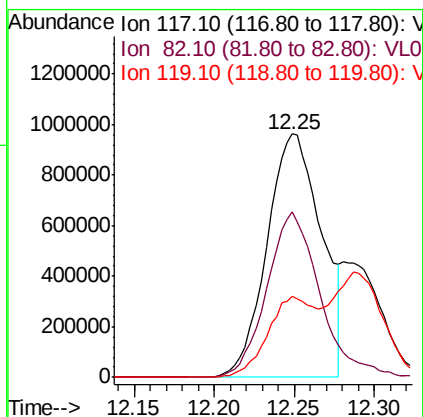
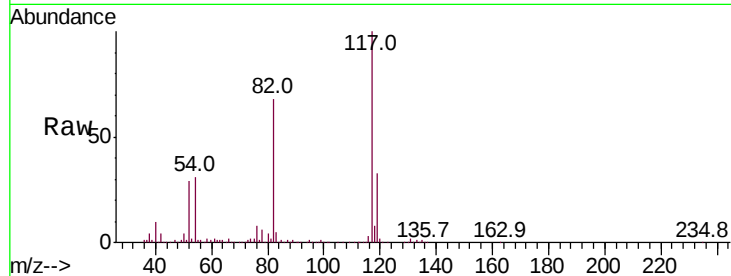
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2896
Delta R.T. 0.00 min
Lab File: VL033332.D
Acq: 15 Mar 2019 14:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion:117 Resp: 2281279
Ion Ratio Lower Upper
117 100
82 66.3 53.4 80.2
119 0.0 27.3 40.9#

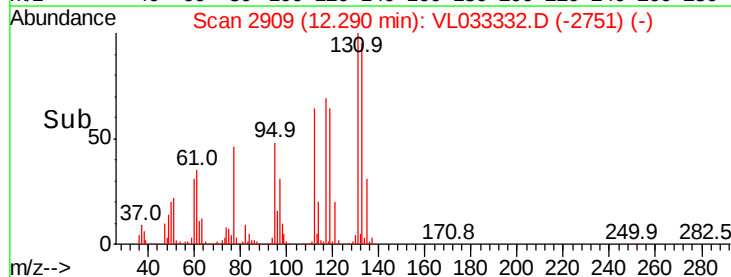
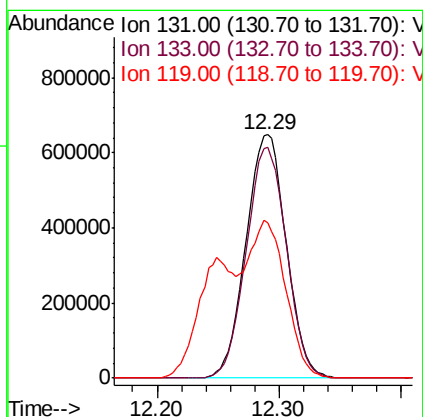
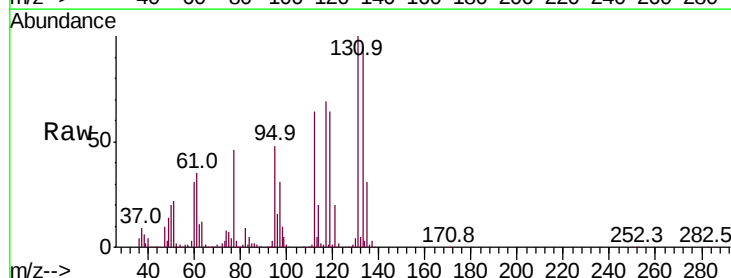
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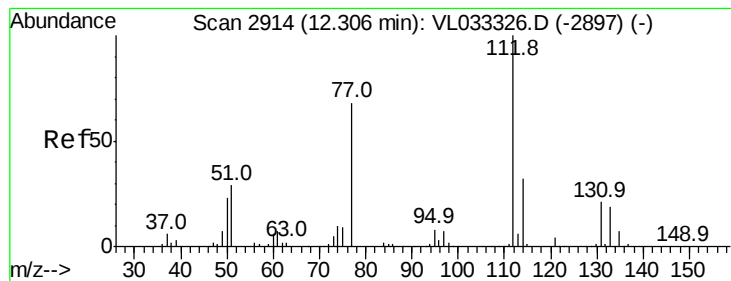
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#56
1,1,1,2-Tetrachloroethane
Concen: 14.433 ppbv
RT: 12.29 min Scan# 2909
Delta R.T. 0.01 min
Lab File: VL033332.D
Acq: 15 Mar 2019 14:18

Tgt Ion:131 Resp: 1477490
Ion Ratio Lower Upper
131 100
133 95.0 76.7 115.1
119 108.2 40.3 60.5#





#57

Chlorobenzene

Concen: 13.573 ppbv

RT: 12.31 min Scan# 2916

Delta R.T. 0.01 min

Lab File: VL033332.D

Acq: 15 Mar 2019 14:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 112 Resp: 2459402

Ion Ratio Lower Upper

112 100

77 70.0 55.8 83.6

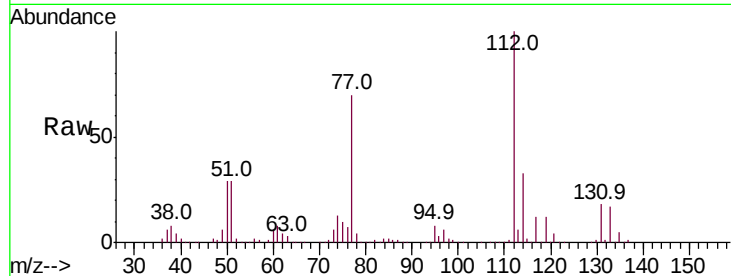
114 33.3 28.6 35.0

Manual Integrations

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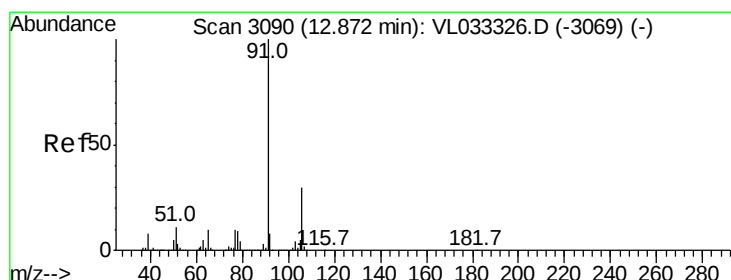
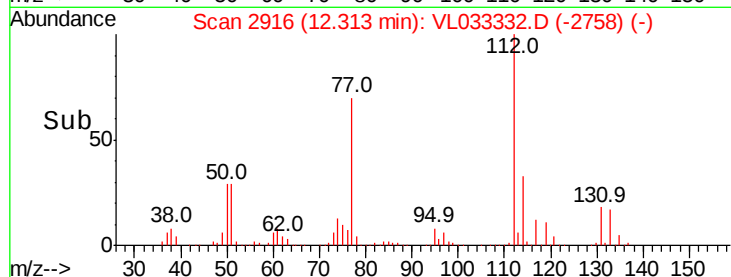
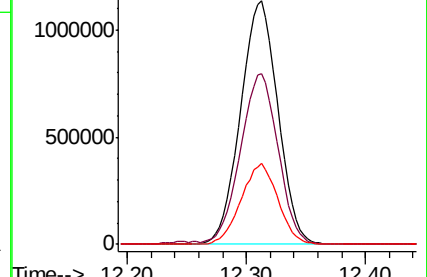
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 14.475 ppbv

RT: 12.88 min Scan# 3091

Delta R.T. 0.00 min

Lab File: VL033332.D

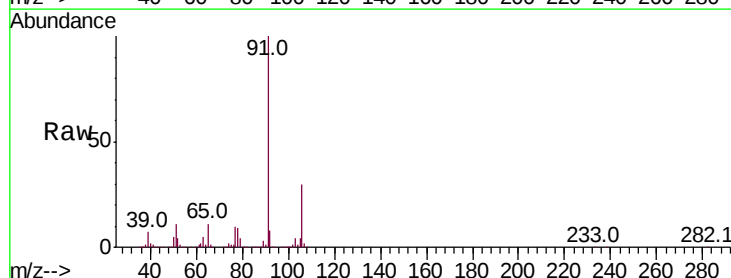
Acq: 15 Mar 2019 14:18

Tgt Ion: 91 Resp: 4672240

Ion Ratio Lower Upper

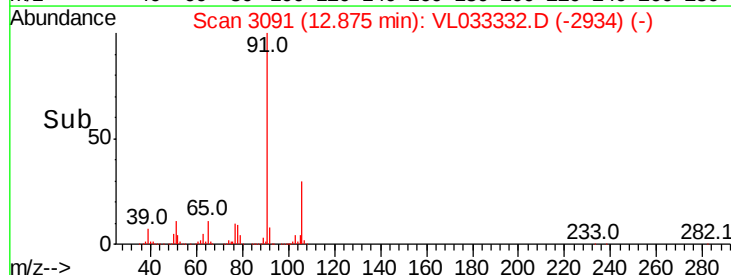
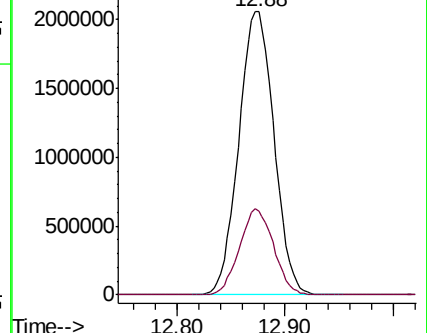
91 100

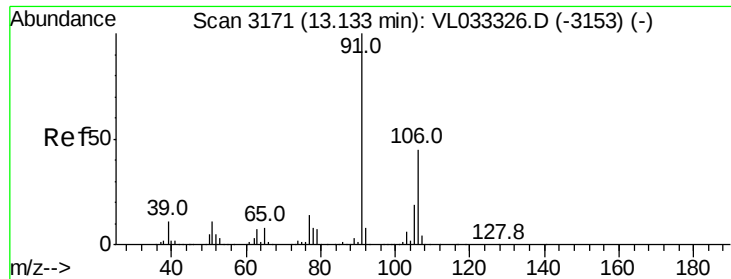
106 29.7 24.2 36.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 28.262 ppbv m

RT: 13.16 min Scan# 3179

Delta R.T. 0.03 min

Lab File: VL033332.D

Acq: 15 Mar 2019 14:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 91 Resp: 7771155

Ion Ratio Lower Upper

91 100

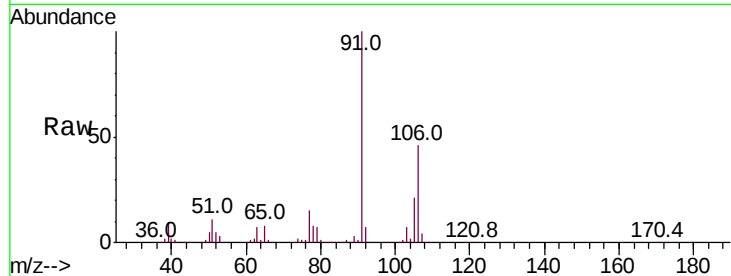
106 0.0 0.0 0.0

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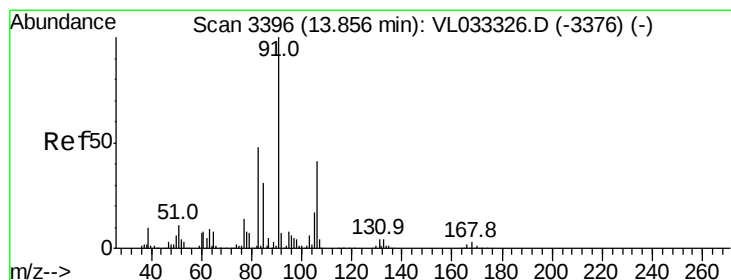
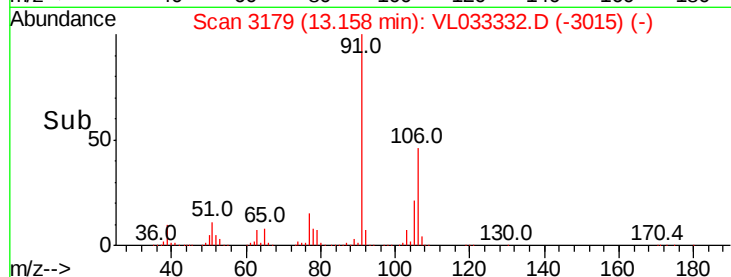
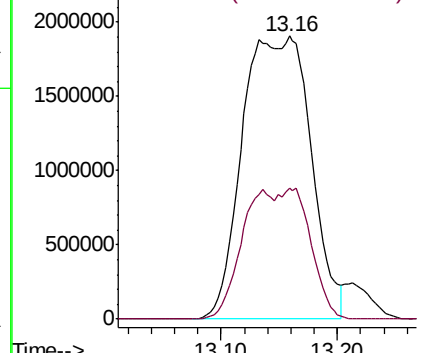
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#60

o-Xylene

Concen: 14.145 ppbv

RT: 13.86 min Scan# 3397

Delta R.T. 0.00 min

Lab File: VL033332.D

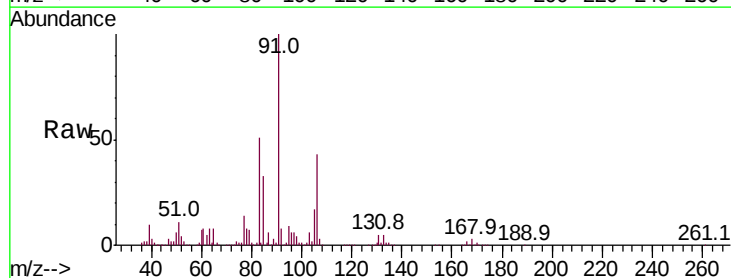
Acq: 15 Mar 2019 14:18

Tgt Ion: 91 Resp: 3809368

Ion Ratio Lower Upper

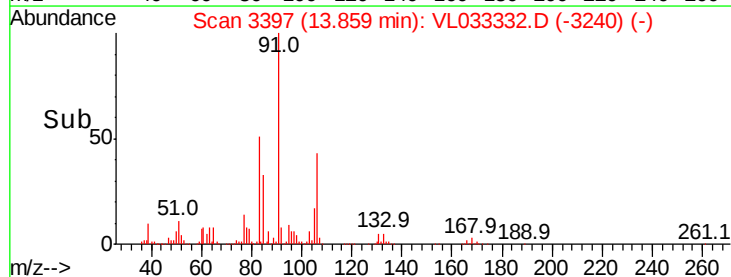
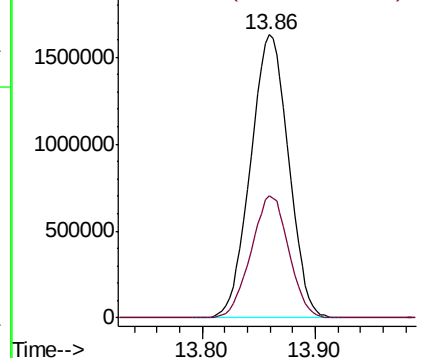
91 100

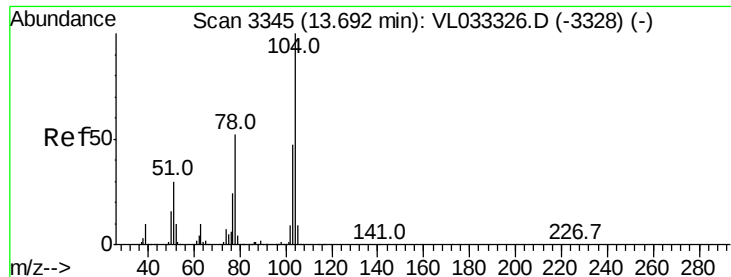
106 42.8 21.3 63.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





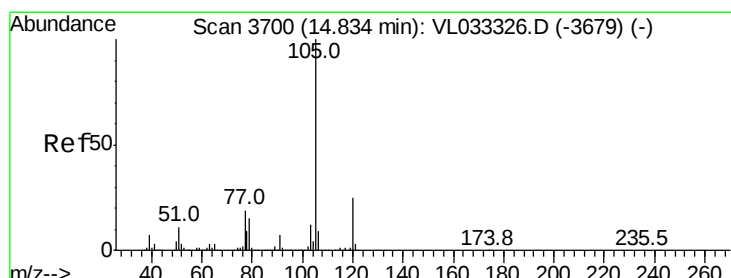
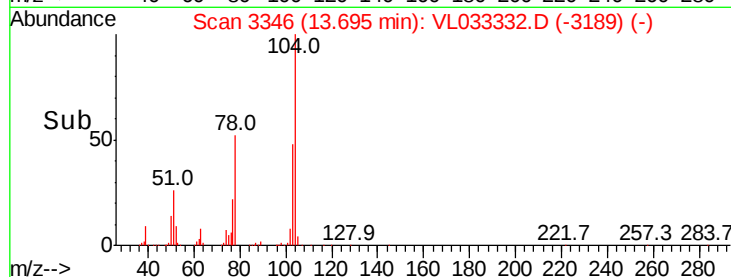
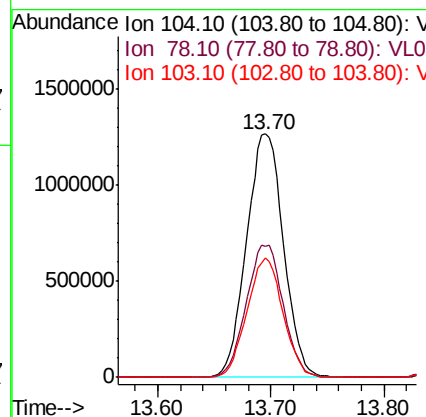
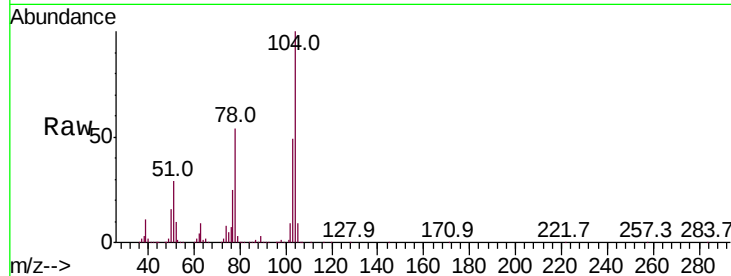
#61
Stvrene
Concen: 15.334 ppbv
RT: 13.70 min Scan# 3346
Delta R.T. 0.00 min
Lab File: VL033332.D
Acq: 15 Mar 2019 14:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion:104 Resp: 2884635
Ion Ratio Lower Upper
104 100
78 54.5 42.7 64.1
103 47.7 38.0 57.0

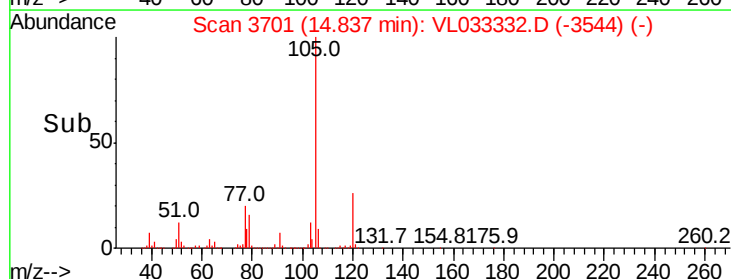
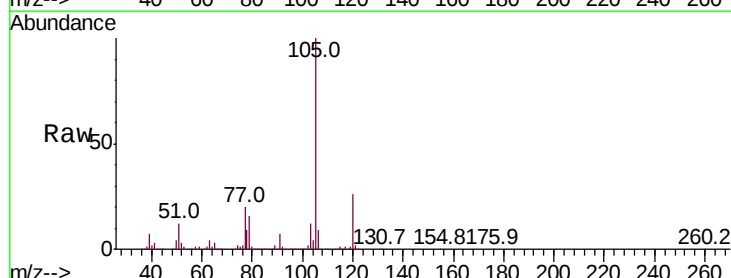
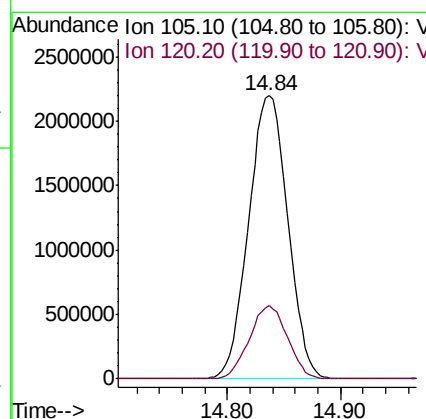
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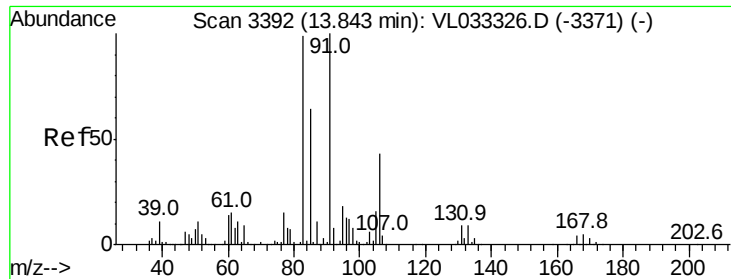
MMDadoda
3/19/2019 10:02:27 AM



#62
Isopropylbenzene
Concen: 14.227 ppbv
RT: 14.84 min Scan# 3701
Delta R.T. 0.00 min
Lab File: VL033332.D
Acq: 15 Mar 2019 14:18

Tgt Ion:105 Resp: 5295329
Ion Ratio Lower Upper
105 100
120 25.2 19.9 29.9





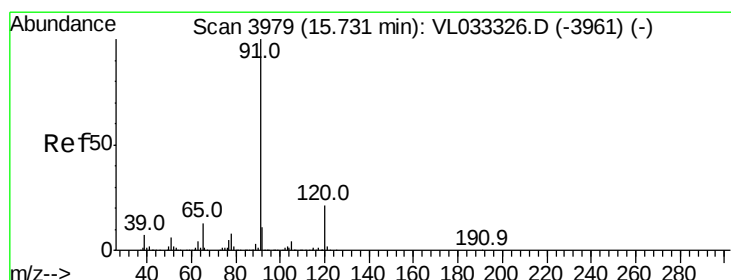
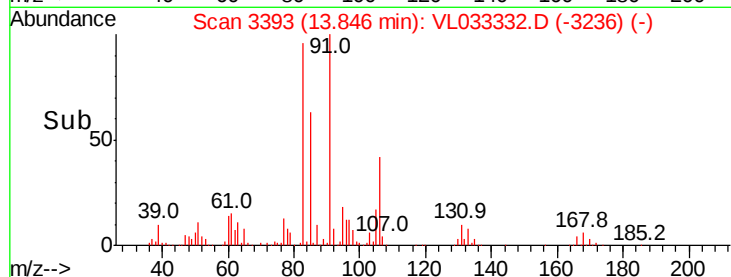
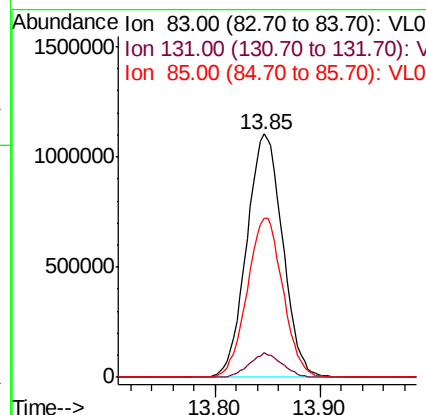
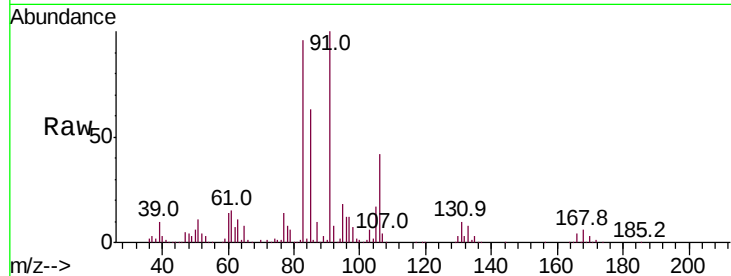
#63
 1,1,2,2-Tetrachloroethane
 Concen: 12.871 ppbv
 RT: 13.85 min Scan# 3393
 Delta R.T. 0.00 min
 Lab File: VL033332.D
 Acq: 15 Mar 2019 14:18

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion: 83 Resp: 2621168
 Ion Ratio Lower Upper
 83 100
 131 9.3 4.7 14.0
 85 65.0 32.5 97.4

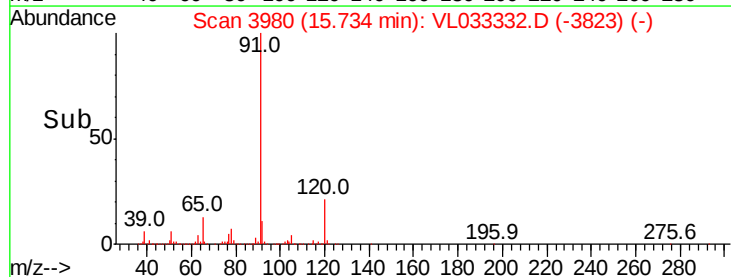
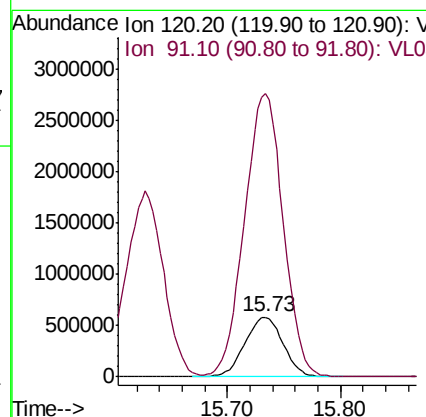
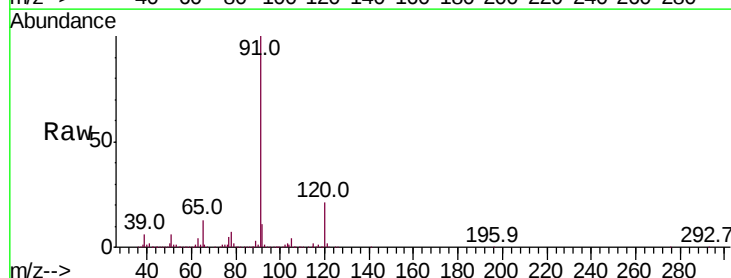
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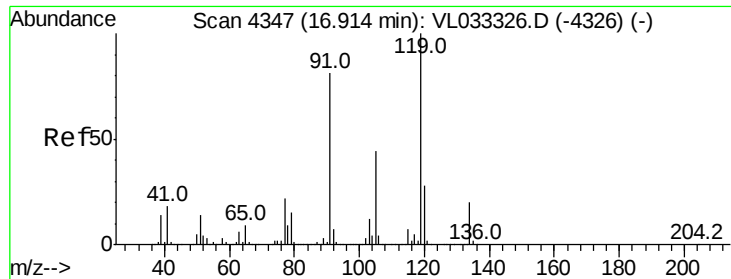
MMDadoda
 3/19/2019 10:02:27 AM



#64
 n-propylbenzene
 Concen: 14.536 ppbv
 RT: 15.73 min Scan# 3980
 Delta R.T. 0.00 min
 Lab File: VL033332.D
 Acq: 15 Mar 2019 14:18

Tgt Ion:120 Resp: 1365706
 Ion Ratio Lower Upper
 120 100
 91 480.3 389.8 584.6





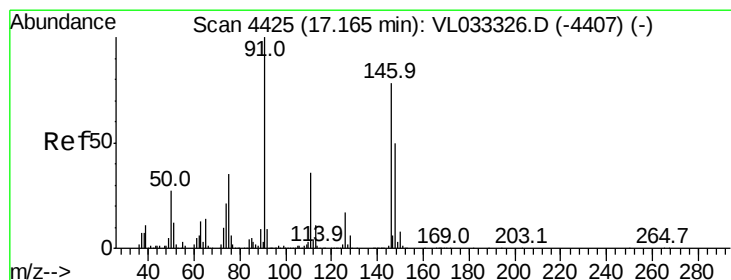
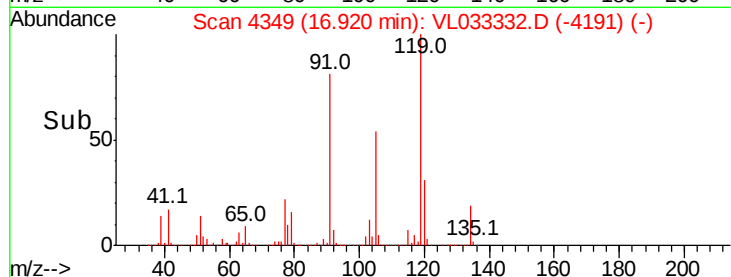
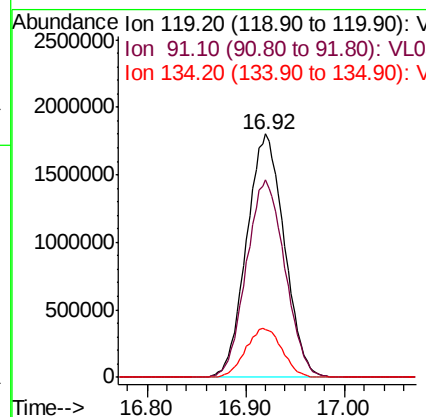
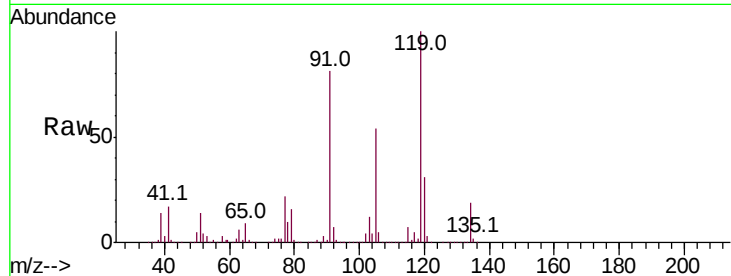
#65
tert-Butylbenzene
Concen: 13.842 ppbv
RT: 16.92 min Scan# 4349
Delta R.T. 0.01 min
Lab File: VL033332.D
Acq: 15 Mar 2019 14:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion:119 Resp: 4747906
Ion Ratio Lower Upper
119 100
91 83.0 67.2 100.8
134 19.5 15.4 23.2

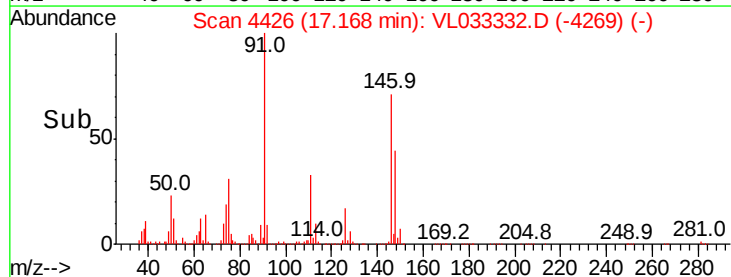
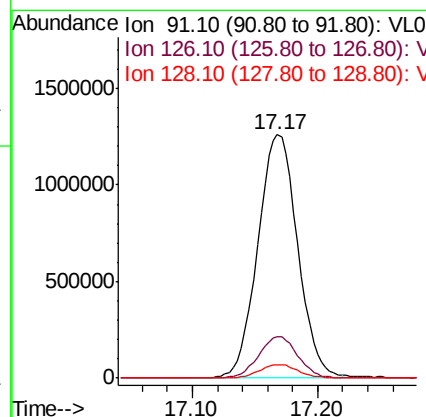
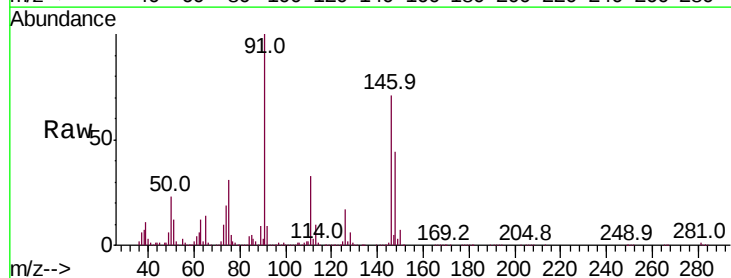
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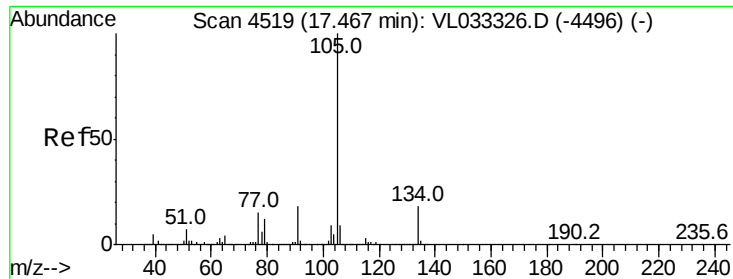
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#66
Benzyl Chloride
Concen: 19.894 ppbv
RT: 17.17 min Scan# 4426
Delta R.T. 0.00 min
Lab File: VL033332.D
Acq: 15 Mar 2019 14:18

Tgt Ion: 91 Resp: 2784209
Ion Ratio Lower Upper
91 100
126 16.7 13.2 19.8
128 5.4 4.2 6.4





#67

sec-Butylbenzene

Concen: 13.811 ppbv

RT: 17.47 min Scan# 4520

Delta R.T. 0.00 min

Lab File: VL033332.D

Acq: 15 Mar 2019 14:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion:105 Resp: 6769777

Ion Ratio Lower Upper

105 100

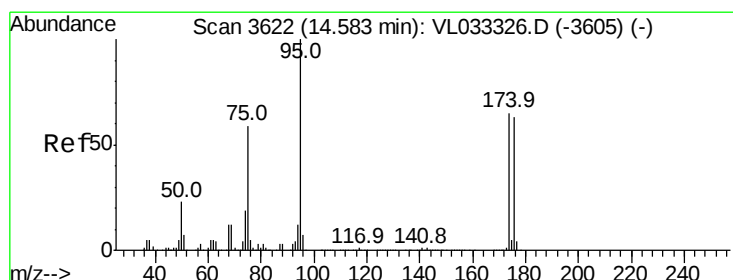
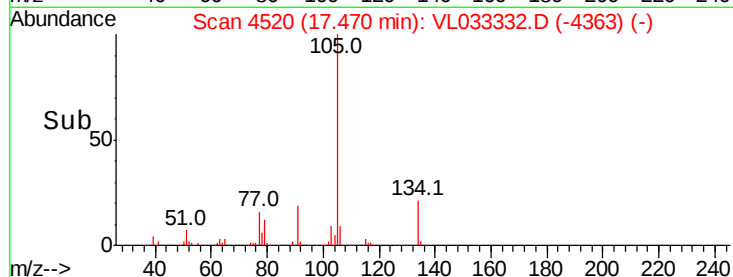
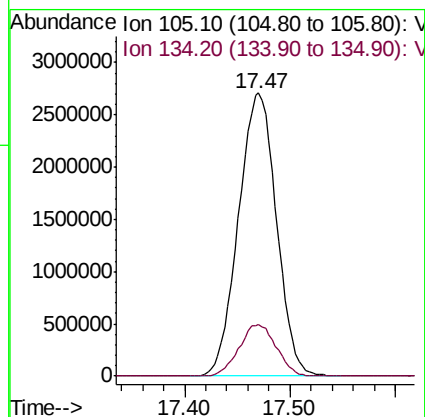
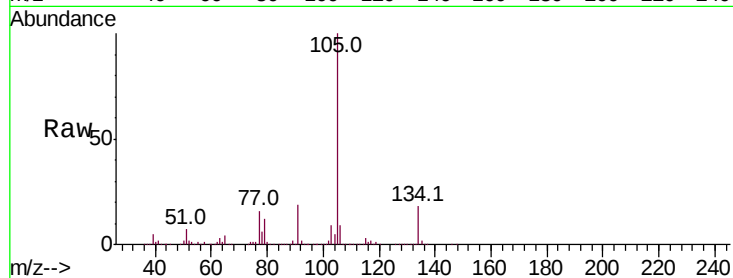
134 18.1 14.2 21.4

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#68

1-Bromo-4-Fluorobenzene

Concen: 9.555 ppbv

RT: 14.59 min Scan# 3623

Delta R.T. 0.00 min

Lab File: VL033332.D

Acq: 15 Mar 2019 14:18

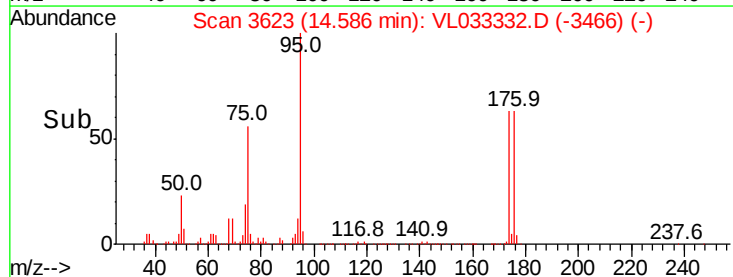
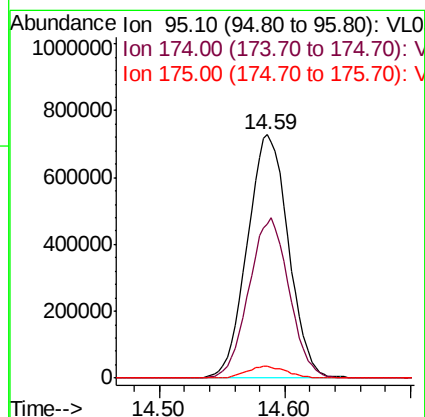
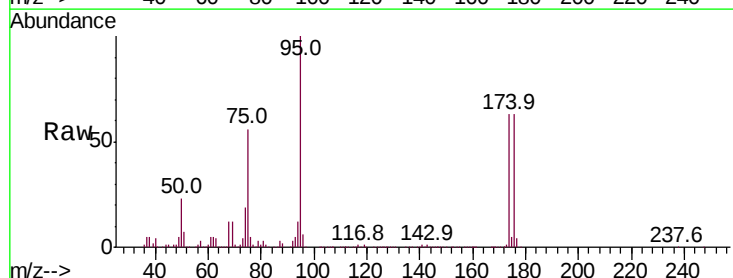
Tgt Ion: 95 Resp: 1656731

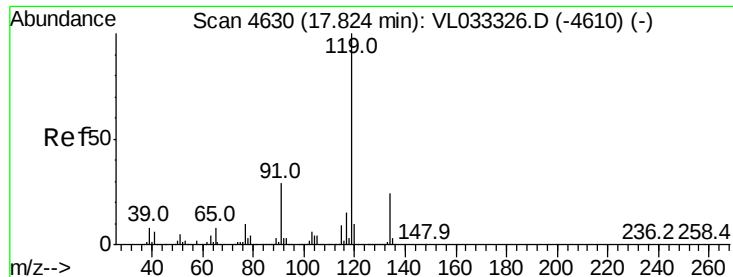
Ion Ratio Lower Upper

95 100

174 64.6 51.5 77.3

175 4.7 3.8 5.6





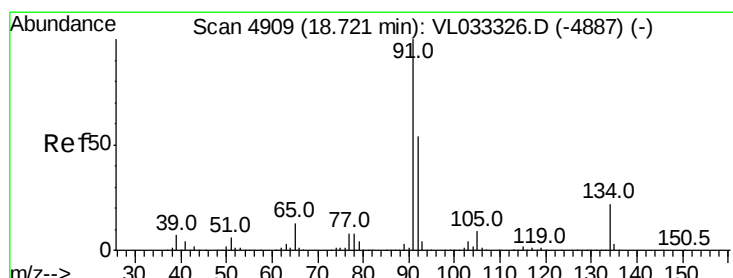
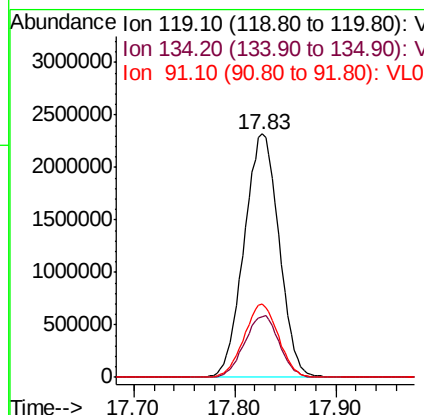
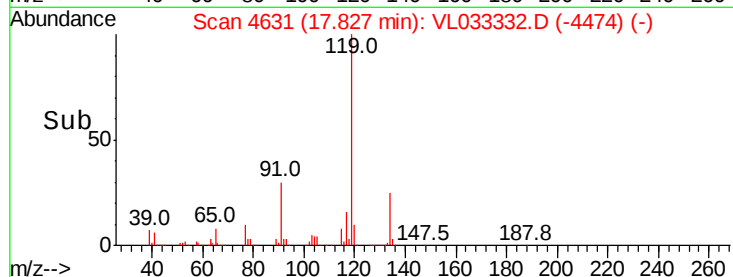
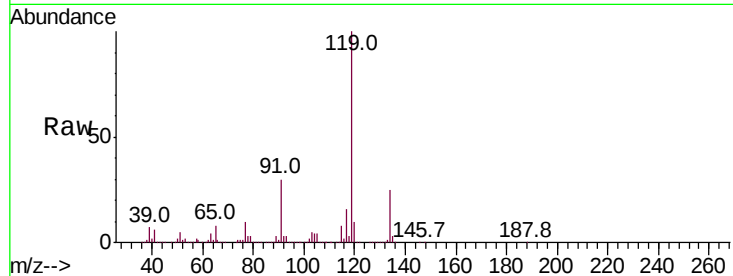
#69
 p-Isopropyltoluene
 Concen: 13.946 ppbv
 RT: 17.83 min Scan# 4631
 Delta R.T. 0.00 min
 Lab File: VL033332.D
 Acq: 15 Mar 2019 14:18

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion: 119 Resp: 5563718
 Ion Ratio Lower Upper
 119 100
 134 25.2 19.8 29.6
 91 29.7 23.4 35.2

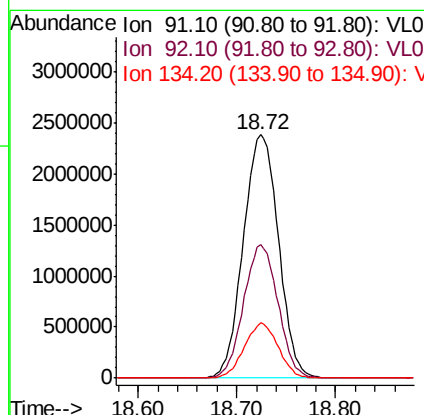
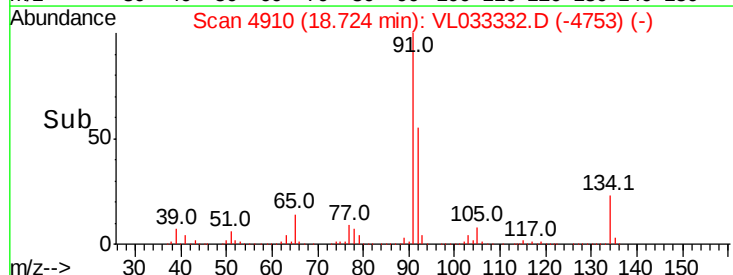
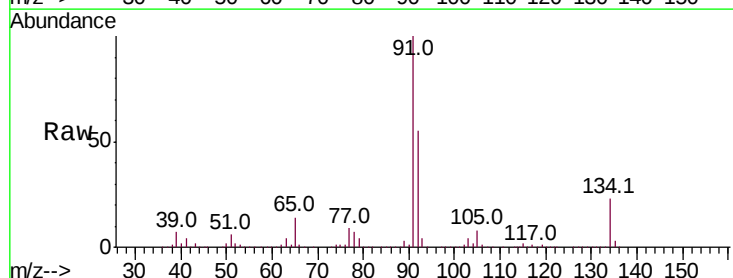
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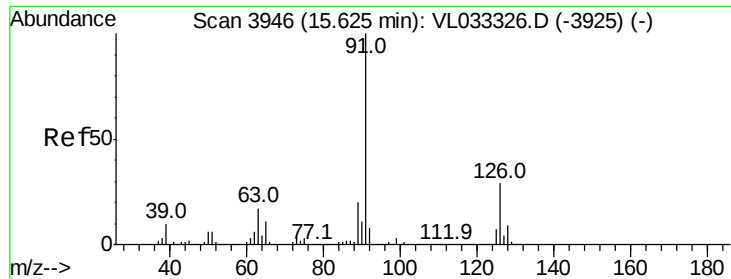
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#70
 n-Butylbenzene
 Concen: 13.816 ppbv
 RT: 18.72 min Scan# 4910
 Delta R.T. 0.00 min
 Lab File: VL033332.D
 Acq: 15 Mar 2019 14:18

Tgt Ion: 91 Resp: 5887497
 Ion Ratio Lower Upper
 91 100
 92 53.6 42.8 64.2
 134 21.9 17.4 26.0





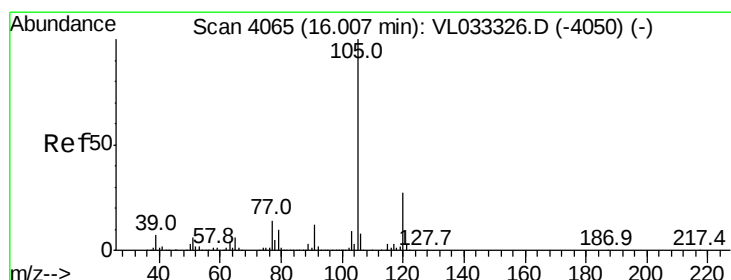
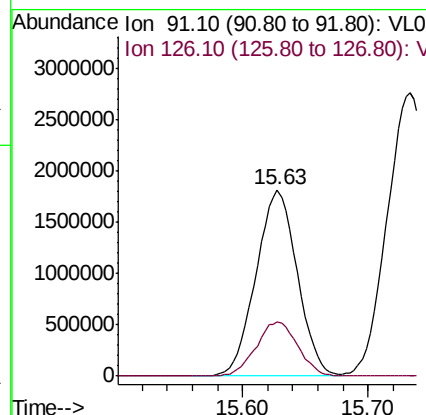
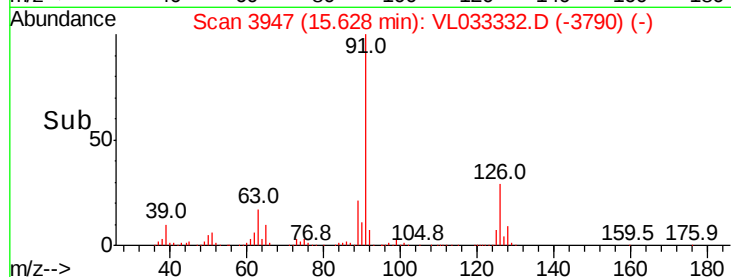
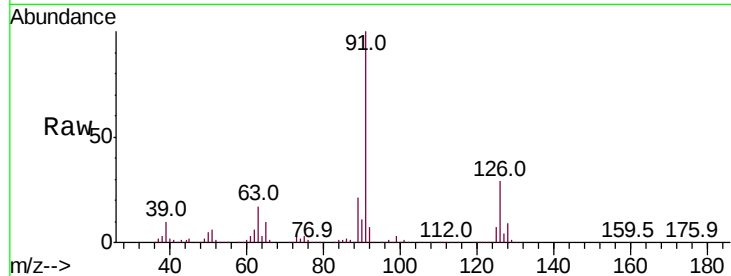
#71
 2-Chlorotoluene
 Concen: 14.012 ppbv
 RT: 15.63 min Scan# 3947
 Delta R.T. 0.00 min
 Lab File: VL033332.D
 Acq: 15 Mar 2019 14:18

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion: 91 Resp: 4153112
 Ion Ratio Lower Upper
 91 100
 126 29.4 11.6 46.6

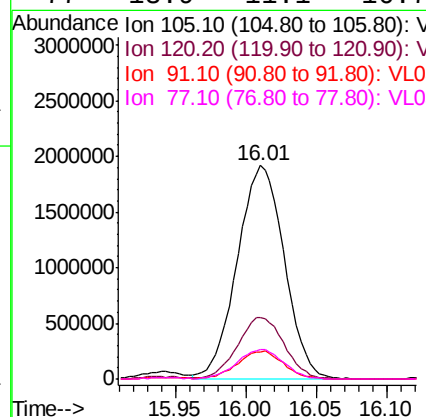
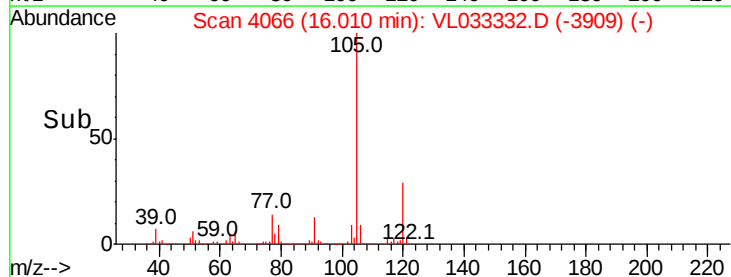
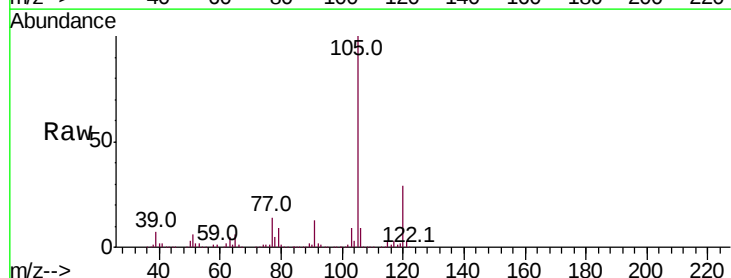
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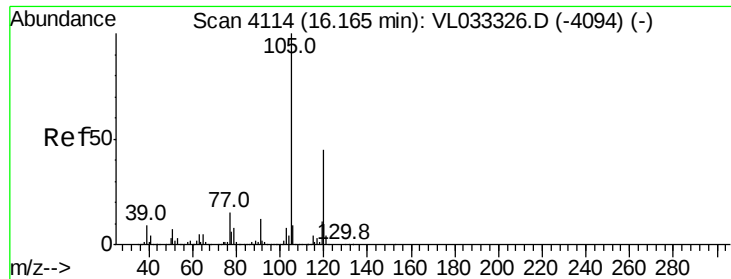
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#72
 4-Ethyltoluene
 Concen: 14.517 ppbv
 RT: 16.01 min Scan# 4066
 Delta R.T. 0.00 min
 Lab File: VL033332.D
 Acq: 15 Mar 2019 14:18

Tgt Ion:105 Resp: 4461213
 Ion Ratio Lower Upper
 105 100
 120 28.8 22.9 34.3
 91 12.9 10.2 15.2
 77 13.9 11.1 16.7





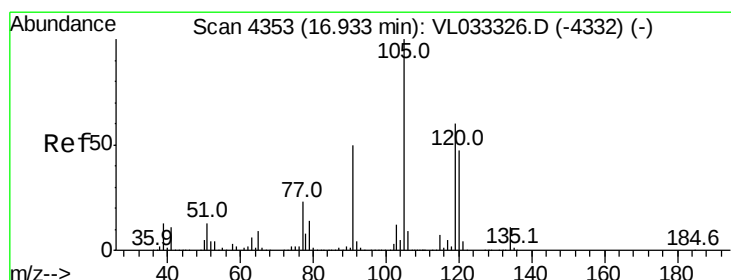
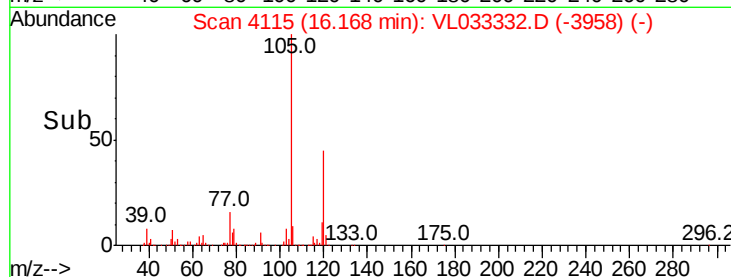
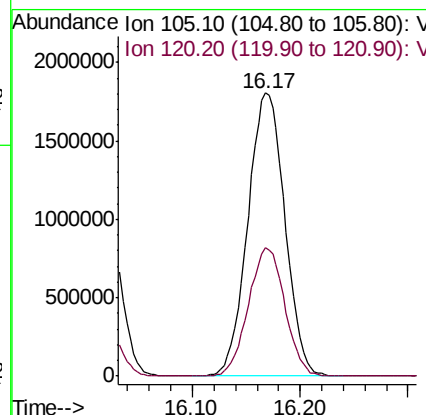
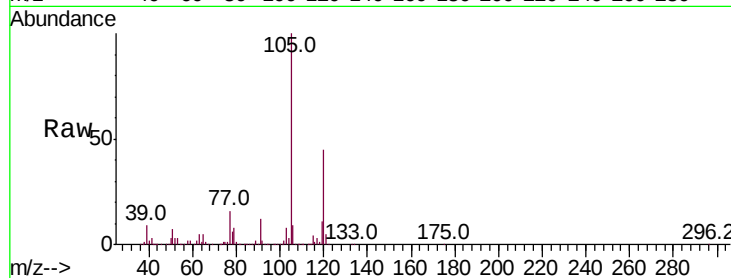
#73
 1,3,5-Trimethylbenzene
 Concen: 14.116 ppbv
 RT: 16.17 min Scan# 4115
 Delta R.T. 0.00 min
 Lab File: VL033332.D
 Acq: 15 Mar 2019 14:18

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion:105 Resp: 4295785
 Ion Ratio Lower Upper
 105 100
 120 45.3 36.2 54.4

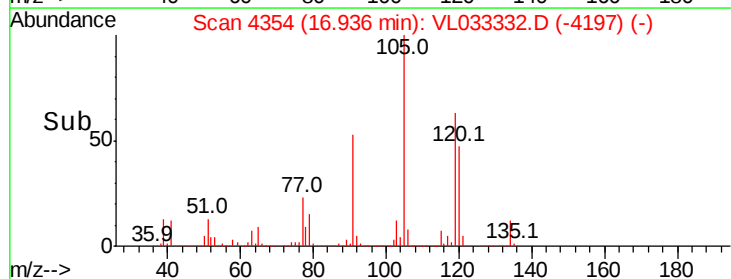
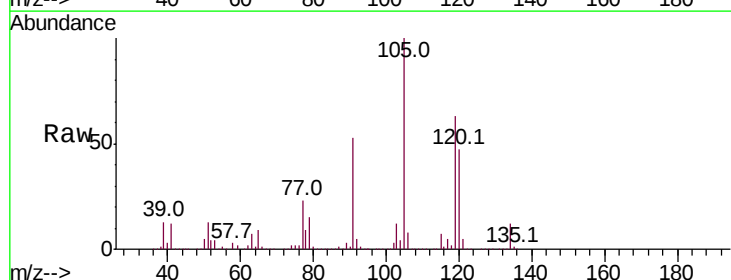
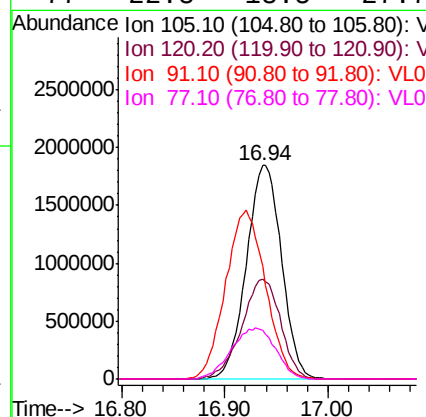
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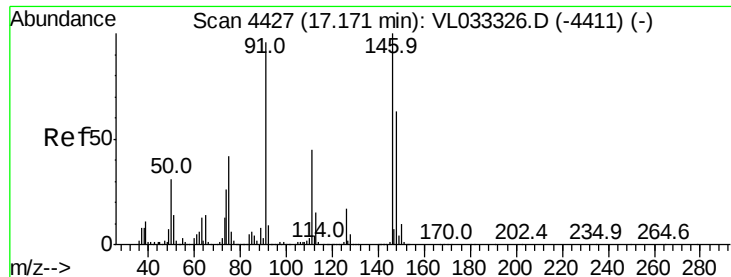
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#74
 1,2,4-Trimethylbenzene
 Concen: 13.654 ppbv
 RT: 16.94 min Scan# 4354
 Delta R.T. 0.00 min
 Lab File: VL033332.D
 Acq: 15 Mar 2019 14:18

Tgt Ion:105 Resp: 4373522
 Ion Ratio Lower Upper
 105 100
 120 46.6 37.4 56.2
 91 52.5 41.0 61.4
 77 22.8 18.5 27.7





#75

1,3-Dichlorobenzene

Concen: 13.541 ppbv

RT: 17.18 min Scan# 4429

Delta R.T. 0.01 min

Lab File: VL033332.D

Acq: 15 Mar 2019 14:18

Instrument :

MSVOA_L

ClientSampleID :

VSTDIC015

Tot Ion:146 Resp: 2522908

Ion Ratio Lower Upper

146 100

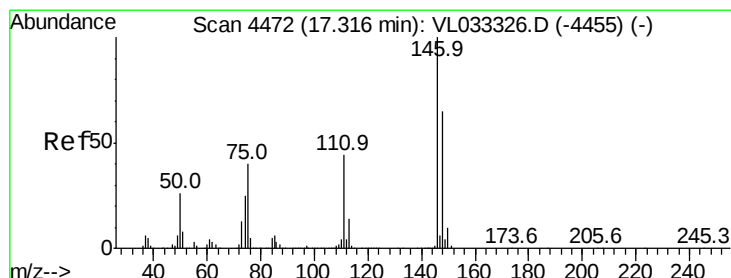
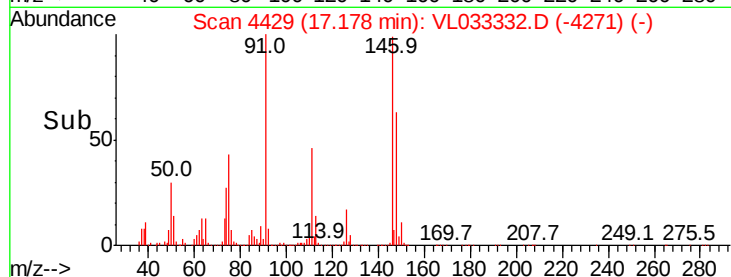
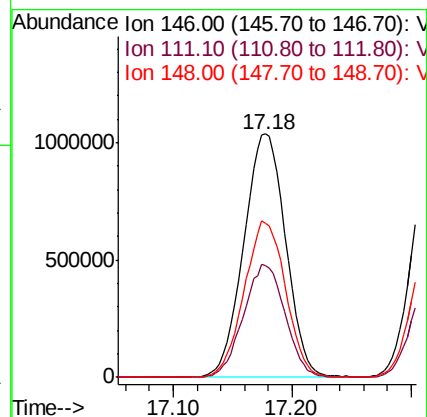
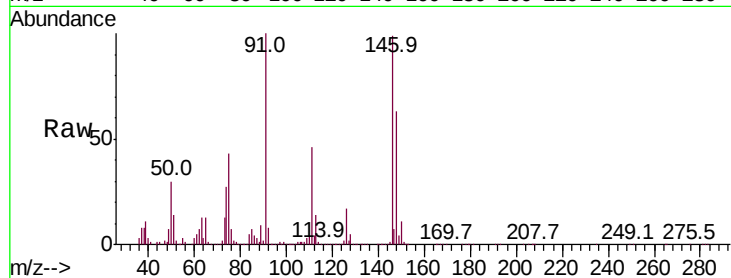
111 46.2 22.8 68.3

148 63.8 31.9 95.7

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#76

1,4-Dichlorobenzene

Concen: 13.927 ppbv

RT: 17.32 min Scan# 4473

Delta R.T. 0.00 min

Lab File: VL033332.D

Acq: 15 Mar 2019 14:18

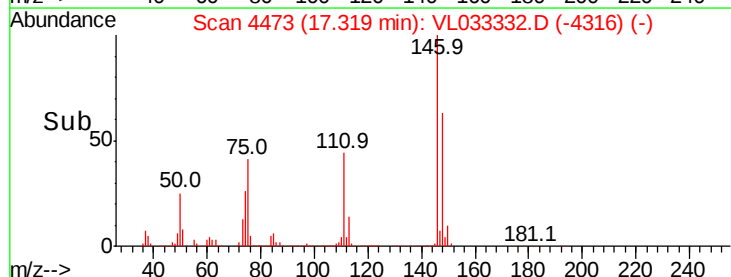
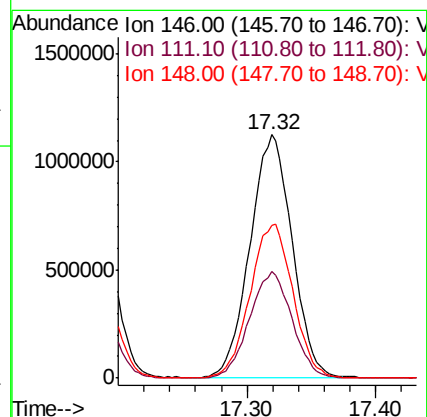
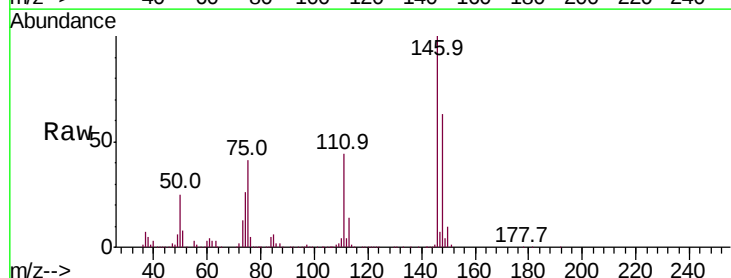
Tgt Ion:146 Resp: 2555168

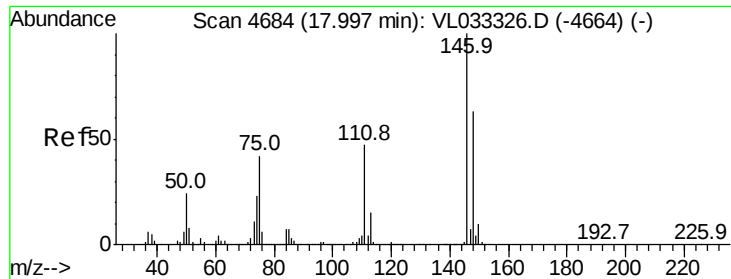
Ion Ratio Lower Upper

146 100

111 44.2 21.9 65.7

148 64.8 32.1 96.5





#77

1,2-Dichlorobenzene

Concen: 13.758 ppbv

RT: 18.00 min Scan# 4685

Delta R.T. 0.00 min

Lab File: VL033332.D

Acq: 15 Mar 2019 14:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion:146 Resp: 2480222

Ion Ratio Lower Upper

146 100

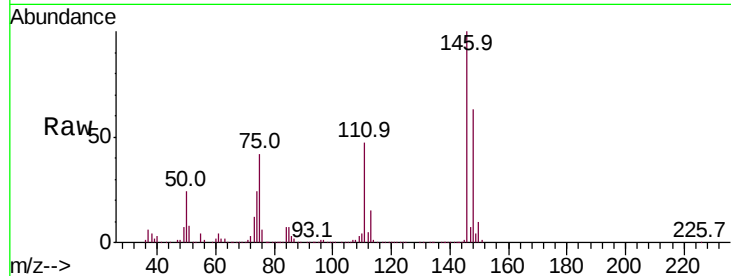
111 47.5 23.5 70.6

148 63.6 31.9 95.9

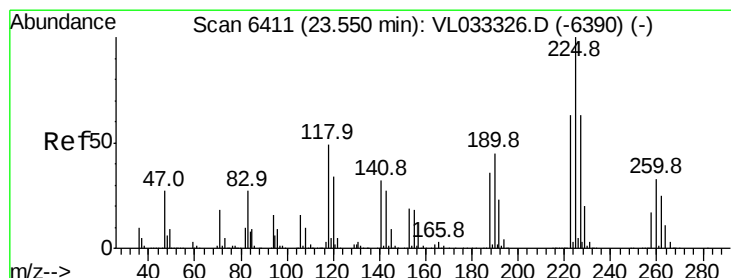
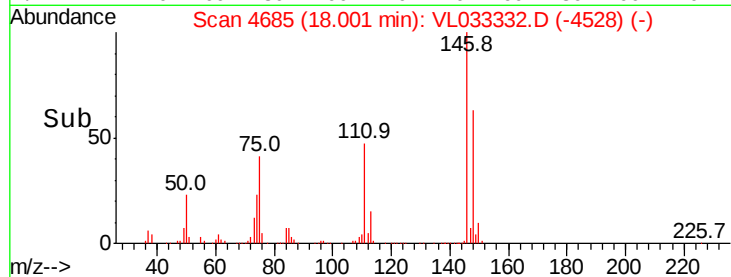
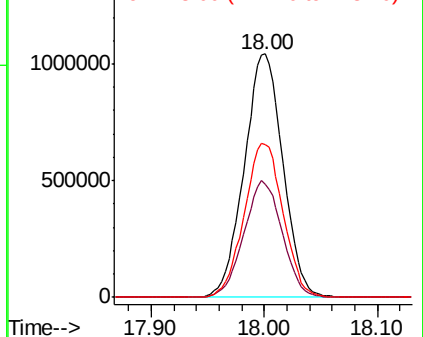
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Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.10 (110.80 to 111.80): V
Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 12.403 ppbv

RT: 23.55 min Scan# 6411

Delta R.T. 0.00 min

Lab File: VL033332.D

Acq: 15 Mar 2019 14:18

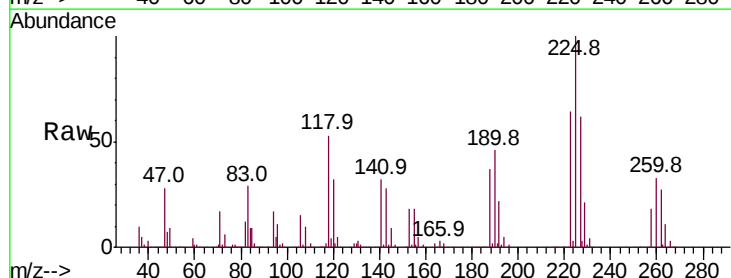
Tgt Ion:225 Resp: 1345814

Ion Ratio Lower Upper

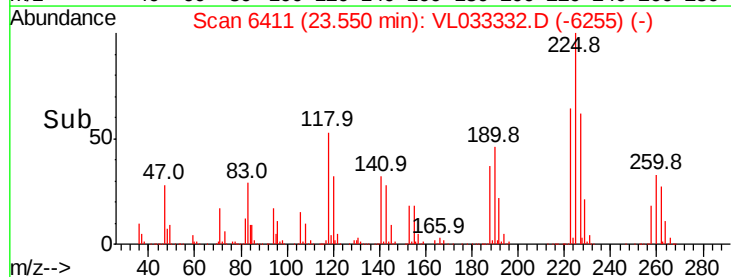
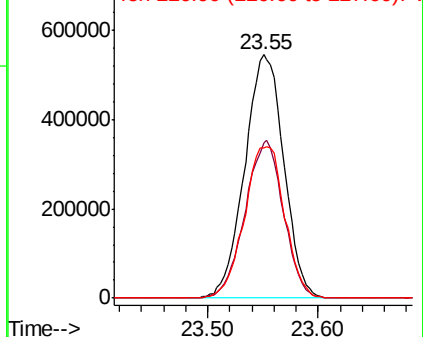
225 100

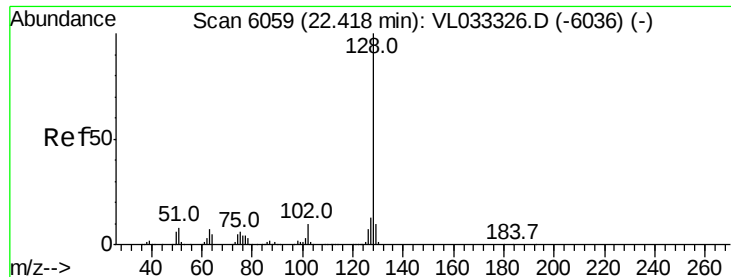
223 63.5 50.4 75.6

227 63.9 50.5 75.7



Abundance Ion 224.90 (224.60 to 225.60): V
Ion 222.90 (222.60 to 223.60): V
Ion 226.90 (226.60 to 227.60): V





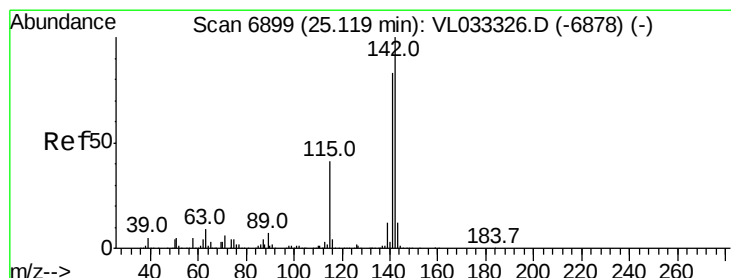
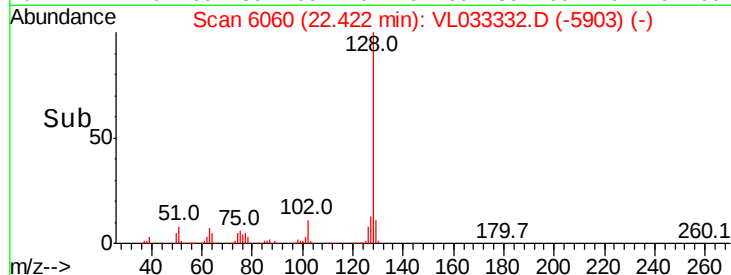
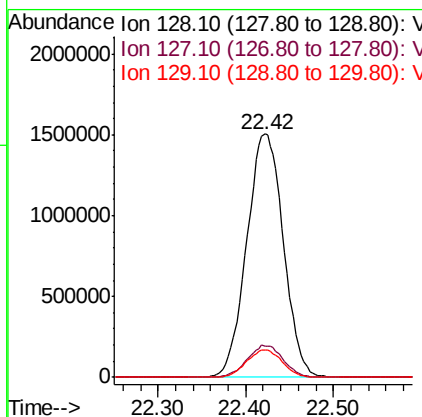
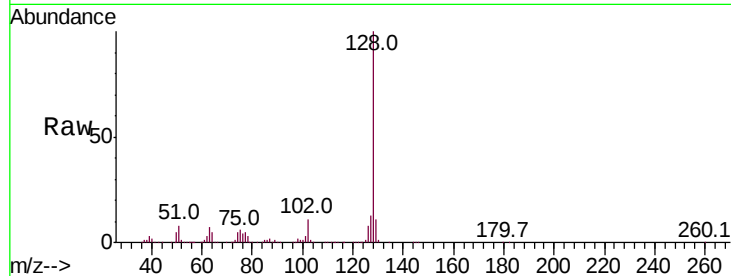
#79
Naphthalene
Concen: 13.944 ppbv
RT: 22.42 min Scan# 6060
Delta R.T. 0.00 min
Lab File: VL033332.D
Acq: 15 Mar 2019 14:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion:128 Resp: 4362187
Ion Ratio Lower Upper
128 100
127 12.7 10.1 15.1
129 11.1 8.2 12.2

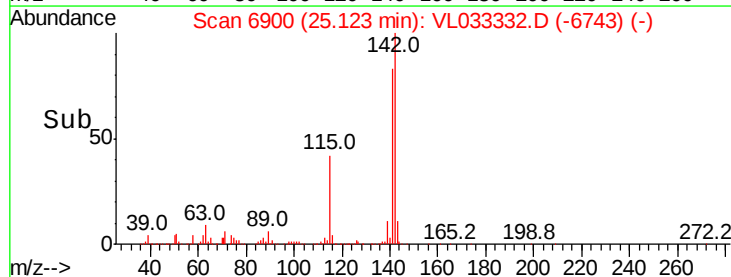
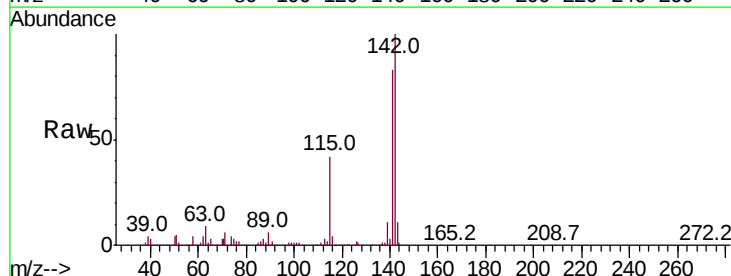
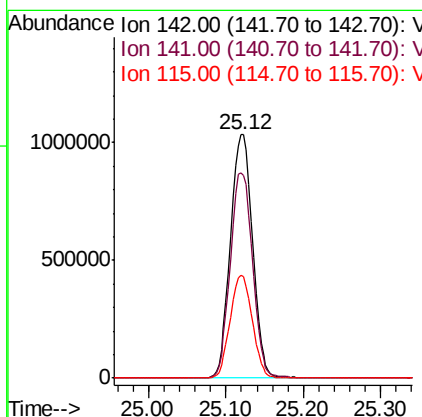
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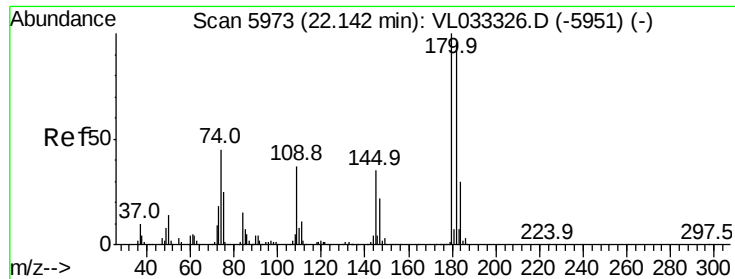
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#80
Naphthalene, 2-methyl-
Concen: 13.525 ppbv
RT: 25.12 min Scan# 6900
Delta R.T. 0.00 min
Lab File: VL033332.D
Acq: 15 Mar 2019 14:18

Tgt Ion:142 Resp: 2039868
Ion Ratio Lower Upper
142 100
141 84.9 67.1 100.7
115 42.0 33.8 50.6





#81
 1,2,4-Trichlorobenzene
 Concen: 13.342 ppbv
 RT: 22.15 min Scan# 5974
 Delta R.T. 0.00 min
 Lab File: VL033332.D
 Acq: 15 Mar 2019 14:18

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.4	76.1	114.1
184	30.7	24.6	37.0

Manual Integrations
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