

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL010816\
 Data File : VL026649.D
 Acq On : 8 Jan 2016 16:44
 Operator : SY/AP
 Sample : VSTDIC001
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

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 1/11/2016 4:59:52 PM

Quant Time: Jan 08 23:19:39 2016
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL010816AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jan 08
 QLast Update : Fri Jan 08 22:06:23 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.63	49	954667	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	8.30	114	2762255	10.00	ppbv	-0.01
55) Chlorobenzene-d5	13.71	117	3495127	10.00	ppbv	-0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	16.26	95	2789647	9.90	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.00%

Target Compounds						Ovalue
2) Dichlorodifluoromethane	3.63	85	227540	0.90	ppbv	99
3) Chlorodifluoromethane	3.56	51	130991	1.09	ppbv	97
4) Chloromethane	3.74	50	63391	1.02	ppbv	96
5) Vinyl Chloride	3.87	62	72001	1.02	ppbv	99
6) Bromomethane	4.12	94	54154	1.03	ppbv	92
7) Chloroethane	4.23	64	30688	0.98	ppbv	95
8) Dichlorotetrafluoroethane	3.79	85	208063	1.07	ppbv	100
9) Propene	3.58	41	46988	1.02	ppbv	99
10) Heptane	9.33	43	179348	1.07	ppbv	98
11) Trichlorofluoromethane	4.68	101	267301	1.06	ppbv	96
12) 1,1,2-Trichlorotrifluoroet	5.29	101	163387	1.06	ppbv	100
13) Ethanol	4.34	45	6939m	0.71	ppbv	
14) Bromoethene	4.44	108	58397	1.00	ppbv	98
15) Acetone	4.59	43	169970	1.22	ppbv #	80
16) 1,3-Butadiene	3.95	39	63913	1.02	ppbv	99
17) tert-Butyl alcohol	5.13	59	116820	0.90	ppbv	95
18) 1,1-Dichloroethene	5.07	96	66360	1.00	ppbv	96
19) Isopropyl Alcohol	4.76	45	56025	0.73	ppbv #	1
20) Methylene Chloride	5.14	84	63774	1.05	ppbv	92
21) Allyl Chloride	5.21	41	95218	0.99	ppbv	99
22) trans-1,2-Dichloroethene	5.74	96	80308	1.05	ppbv	94
23) Vinyl Acetate	5.96	43	227478	0.90	ppbv	99
24) 1,1-Dichloroethane	5.89	63	176223	1.04	ppbv	96
25) Ethyl Acetate	6.66	43	244427	1.00	ppbv	98
26) Hexane	6.64	57	129950	1.06	ppbv	96
27) Carbon Disulfide	5.37	76	183636	0.95	ppbv	99
28) Methyl tert-Butyl Ether	5.95	73	253750	1.01	ppbv	99
29) Chloroform	6.72	83	229591	1.05	ppbv	95
30) Cyclohexane	8.26	84	128510	1.03	ppbv #	74
31) cis-1,2-Dichloroethene	6.49	61	126833	0.98	ppbv	97
32) 1,1,1-Trichloroethane	7.57	97	234049	1.00	ppbv	100
34) 2-Butanone	6.18	43	148885	1.03	ppbv	97
35) Carbon Tetrachloride	8.13	117	229789	1.01	ppbv	96
36) Benzene	8.00	78	292757	1.05	ppbv	96
37) 1,2-Dichloroethane	7.35	62	193530	1.02	ppbv	99
38) Trichloroethene	9.04	130	125171	1.16	ppbv	98
39) 1,2-Dichloropropane	8.80	63	102518	1.06	ppbv	92
40) 1,4-Dioxane	9.14	88	15149m	0.50	ppbv	
41) Tetrahydrofuran	7.12	42	73264	0.95	ppbv	96
42) Bromodichloromethane	8.99	83	258174	1.04	ppbv	94
43) Methyl Methacrylate	9.24	69	101985	0.93	ppbv	97

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Quant Time: Jan 08 23:19:39 2016
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jan 08
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	9.06	57	497782	1.14	ppbv	96
45) t-1,3-Dichloropropene	10.63	75	157053	0.83	ppbv	99
46) cis-1,3-Dichloropropene	9.99	75	187233	0.91	ppbv	91
47) 1,1,2-Trichloroethane	10.85	97	150266	1.12	ppbv	95
48) Dibromochloromethane	11.77	129	207010	0.97	ppbv	100
49) Bromoform	14.79	173	164779	0.93	ppbv	99
50) 4-Methyl-2-Pentanone	10.07	43	216171	1.01	ppbv	99
51) 2-Hexanone	11.60	43	185370	0.89	ppbv #	97
52) Tetrachloroethene	12.77	164	142509	1.17	ppbv	88
53) Toluene	11.21	91	424294	1.07	ppbv	99
54) 1,2-Dibromoethane	12.11	107	231538	1.09	ppbv	100
56) 1,1,1,2-Tetrachloroethane	13.76	131	170290	1.10	ppbv #	1
57) Chlorobenzene	13.78	112	401934	1.23	ppbv	96
58) Ethyl Benzene	14.38	91	675464	1.08	ppbv	98
59) m/p-Xylene	14.69	91	1151738m	2.38	ppbv	
60) o-Xylene	15.46	91	630131	1.26	ppbv	98
61) Styrene	15.28	104	216747	0.91	ppbv	98
62) Isopropylbenzene	16.51	105	805499	1.15	ppbv	99
63) 1,1,2,2-Tetrachloroethane	15.45	83	430167	1.34	ppbv	99
64) n-propylbenzene	17.49	120	218254	1.18	ppbv	95
65) tert-Butylbenzene	18.78	119	781971	1.35	ppbv	96
66) Benzyl Chloride	19.07	91	232765	0.86	ppbv	100
67) sec-Butylbenzene	19.38	105	1143613	1.27	ppbv	99
69) p-Isopropyltoluene	19.75	119	862113	1.21	ppbv	98
70) n-Butylbenzene	20.73	91	907395	1.21	ppbv	97
71) 2-Chlorotoluene	17.40	91	623191	1.10	ppbv	100
72) 4-Ethyltoluene	17.79	105	682198	1.12	ppbv	99
73) 1,3,5-Trimethylbenzene	17.96	105	645453	1.15	ppbv	99
74) 1,2,4-Trimethylbenzene	18.80	105	740833	1.36	ppbv	92
75) 1,3-Dichlorobenzene	19.09	146	438522	1.29	ppbv	99
76) 1,4-Dichlorobenzene	19.24	146	442366	1.24	ppbv	99
77) 1,2-Dichlorobenzene	19.99	146	435770	1.23	ppbv	99
78) Hexachloro-1,3-Butadiene	24.65	225	182068	1.28	ppbv	98
79) Naphthalene	23.91	128	453042	1.06	ppbv	98
80) Naphthalene, 2-methyl-	26.02	142	47956	0.44	ppbv #	89
81) 1,2,4-Trichlorobenzene	23.71	180	213571	1.16	ppbv	99

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

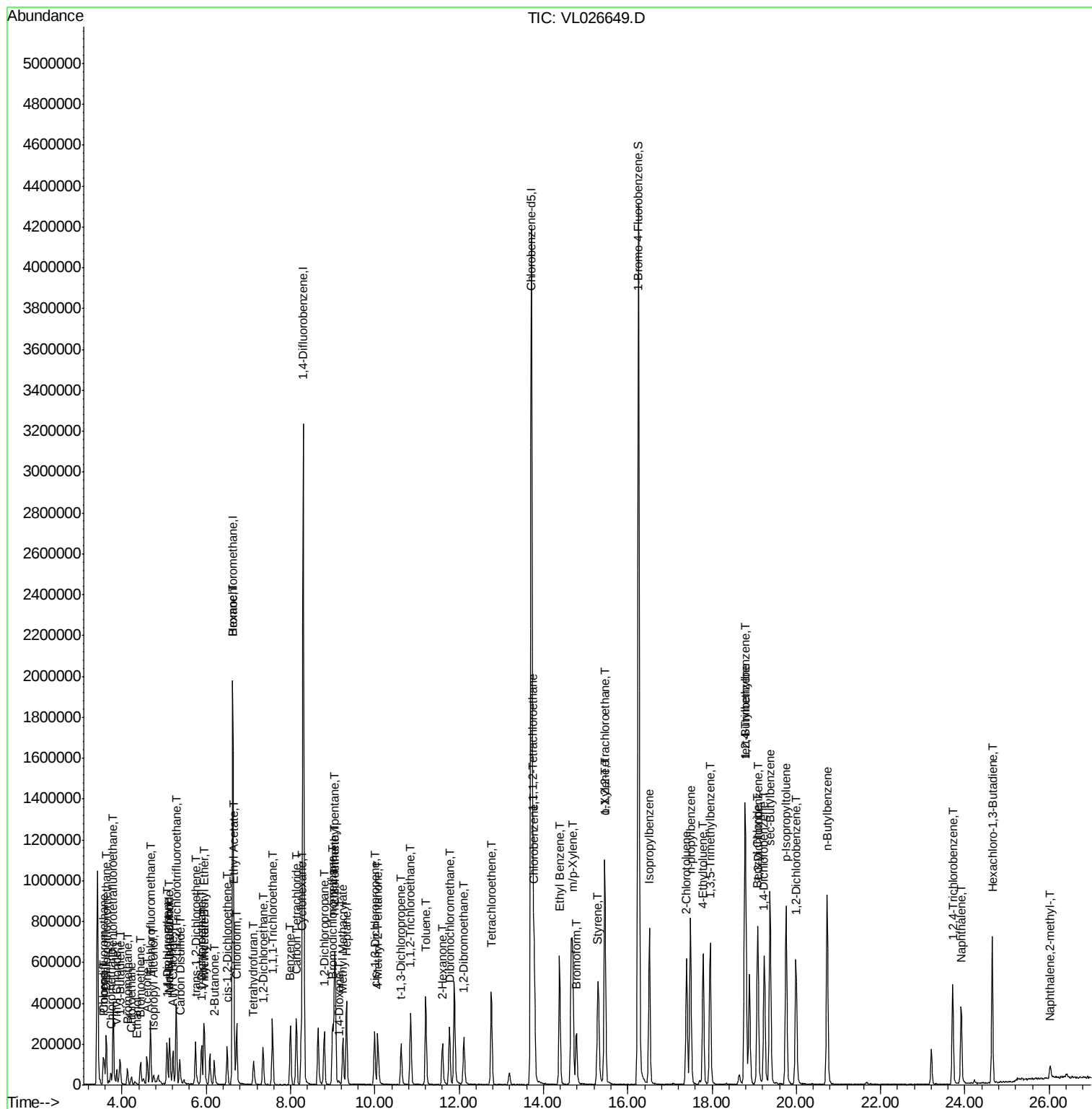
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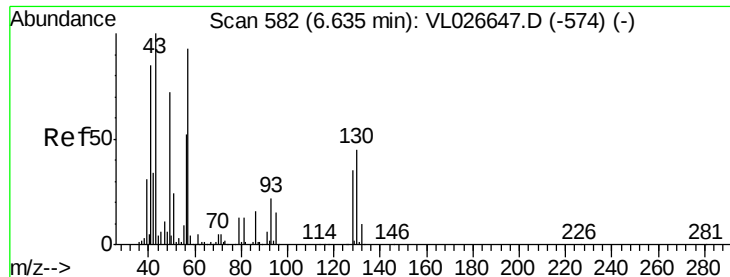
Instrument :
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#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 6.63 min Scan# 581

Delta R.T. -0.01 min

Lab File: VL026649.D

Acq: 8 Jan 2016 16:44

Instrument :

MSVOA_L

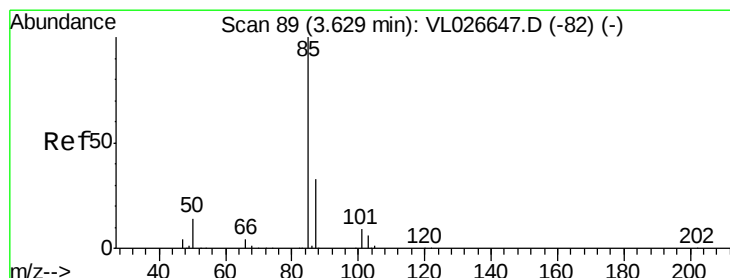
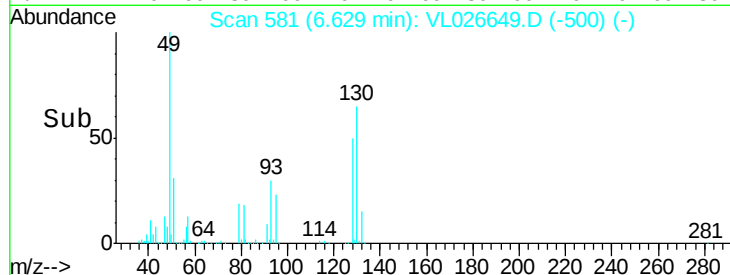
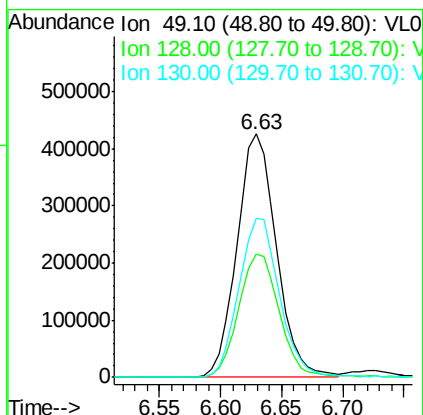
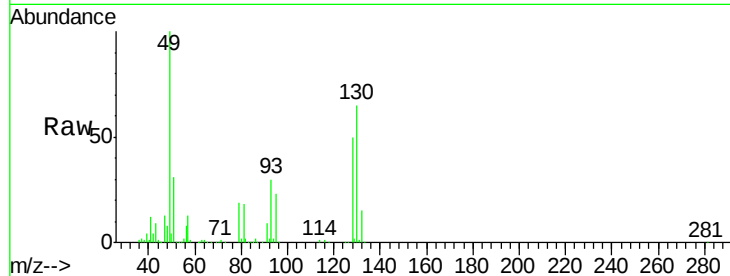
ClientSampled :

VSTDIC001

Tot Ion: 49 Resp: 954667
 Ion Ratio Lower Upper
 49 100
 128 52.9 25.9 77.7
 130 68.6 33.6 100.8

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#2

Dichlorodifluoromethane

Concen: 0.90 ppbv

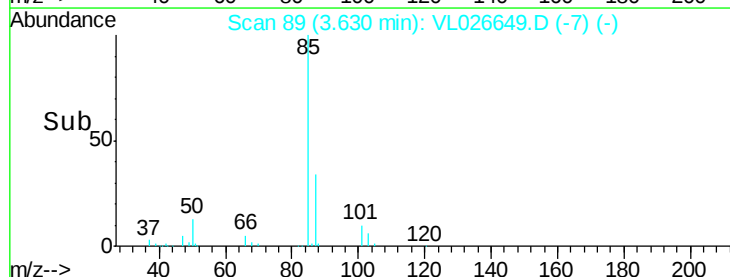
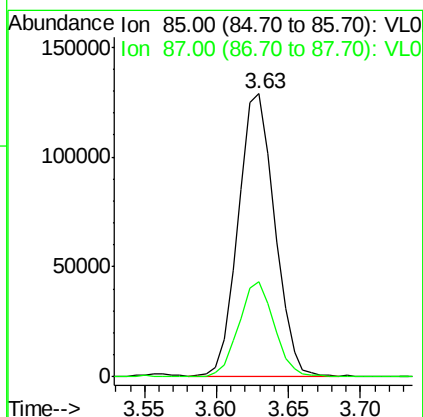
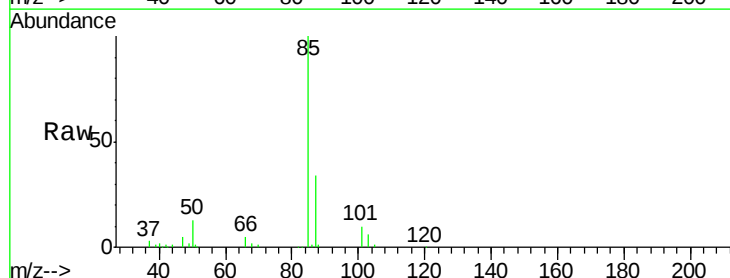
RT: 3.63 min Scan# 89

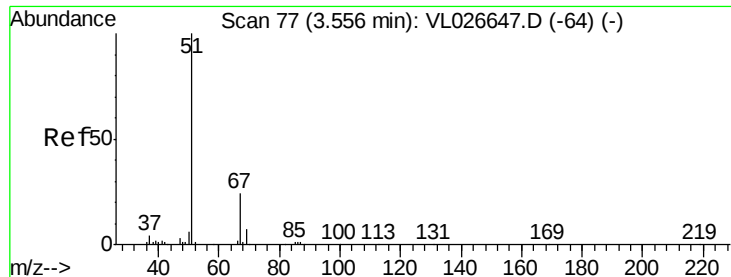
Delta R.T. 0.00 min

Lab File: VL026649.D

Acq: 8 Jan 2016 16:44

Tgt Ion: 85 Resp: 227540
 Ion Ratio Lower Upper
 85 100
 87 33.8 26.4 39.6





#3

Chlorodifluoromethane

Concen: 1.09 ppbv

RT: 3.56 min Scan# 77

Delta R.T. 0.00 min

Lab File: VL026649.D

Acq: 8 Jan 2016 16:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 51 Resp: 130991

Ion Ratio Lower Upper

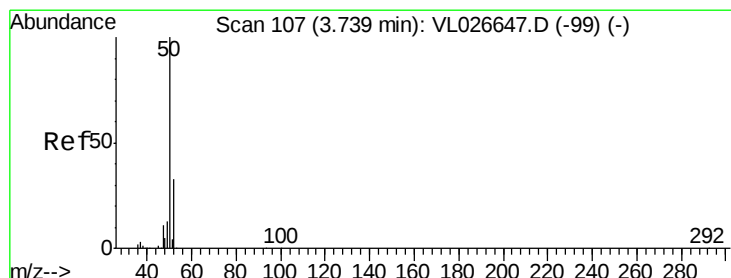
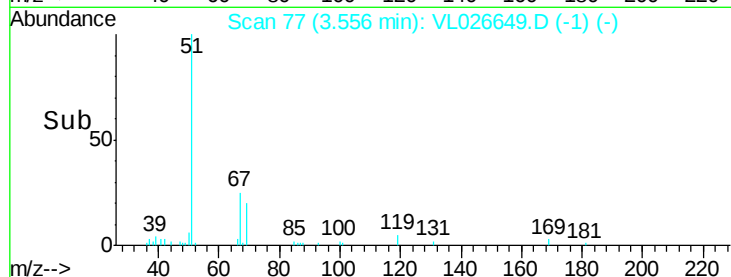
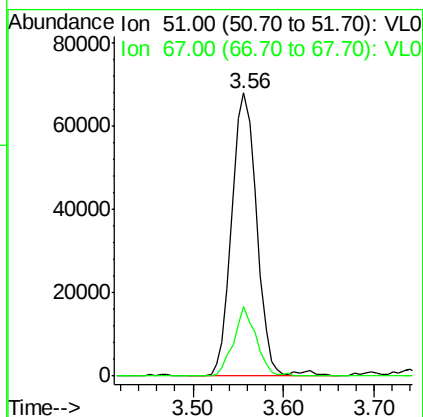
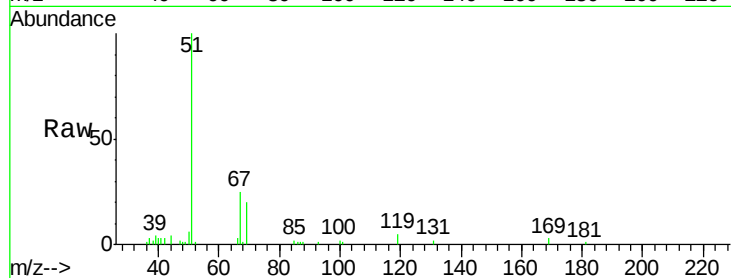
51 100

67 21.9 18.6 28.0

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#4

Chloromethane

Concen: 1.02 ppbv

RT: 3.74 min Scan# 107

Delta R.T. 0.00 min

Lab File: VL026649.D

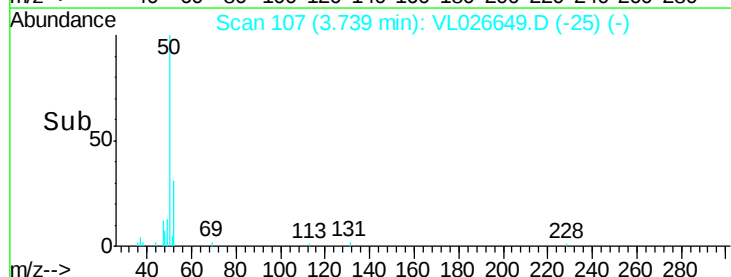
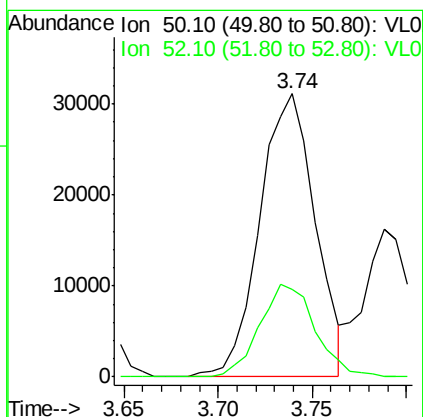
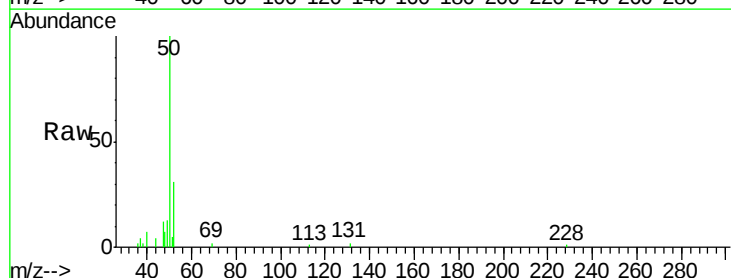
Acq: 8 Jan 2016 16:44

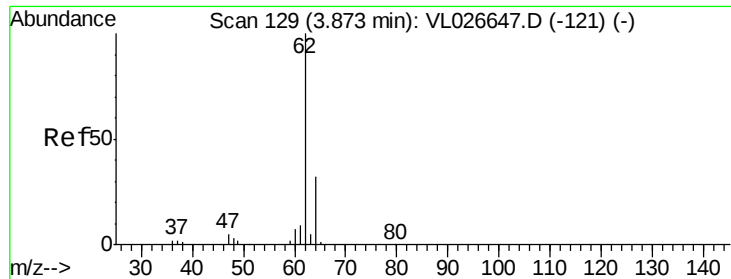
Tgt Ion: 50 Resp: 63391

Ion Ratio Lower Upper

50 100

52 31.0 26.7 40.1





#5

Vinyl Chloride

Concen: 1.02 ppbv

RT: 3.87 min Scan# 129

Delta R.T. 0.00 min

Lab File: VL026649.D

Acq: 8 Jan 2016 16:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 62 Resp: 72001

Ion Ratio Lower Upper

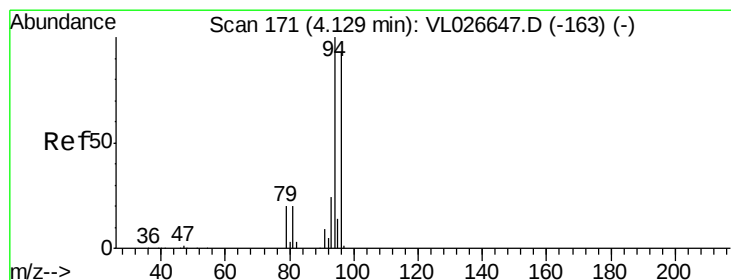
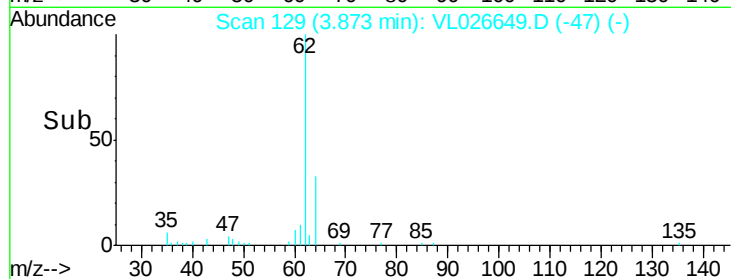
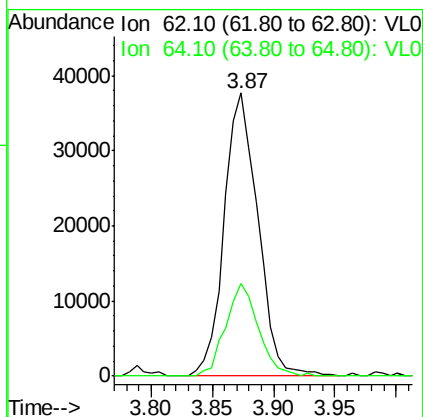
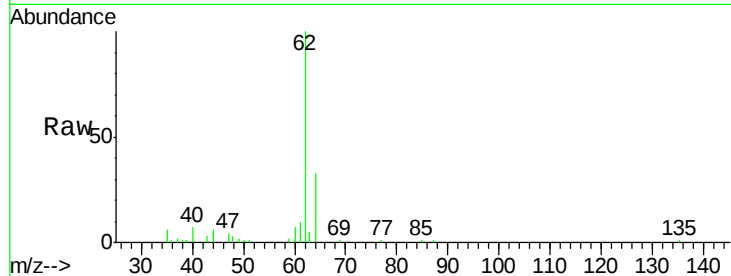
62 100

64 32.6 25.6 38.4

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#6

Bromomethane

Concen: 1.03 ppbv

RT: 4.12 min Scan# 170

Delta R.T. -0.01 min

Lab File: VL026649.D

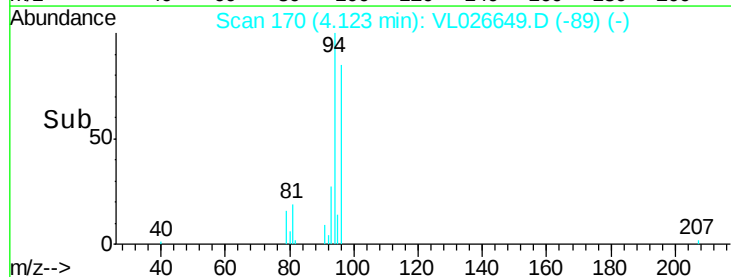
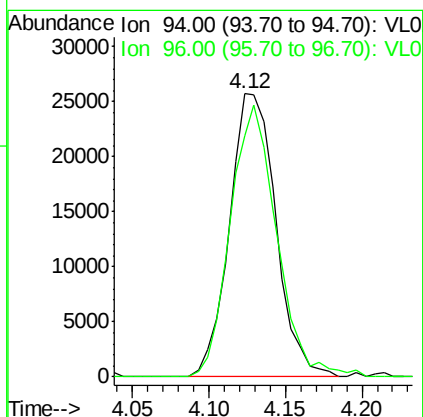
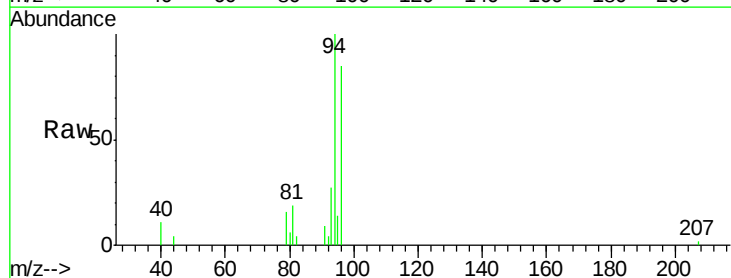
Acq: 8 Jan 2016 16:44

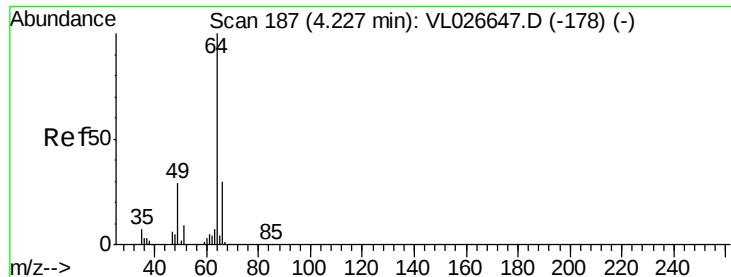
Tgt Ion: 94 Resp: 54154

Ion Ratio Lower Upper

94 100

96 85.2 74.6 112.0





#7

Chloroethane

Concen: 0.98 ppbv

RT: 4.23 min Scan# 187

Delta R.T. 0.00 min

Lab File: VL026649.D

Acq: 8 Jan 2016 16:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 64 Resp: 30688

Ion Ratio Lower Upper

64 100

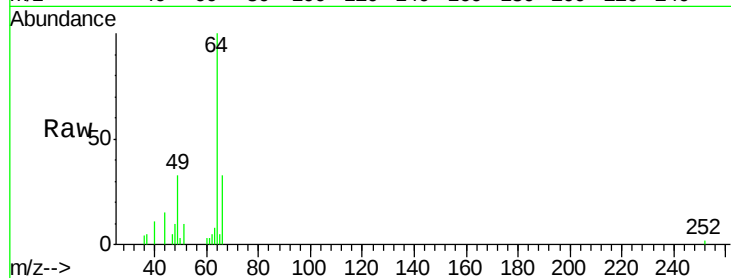
66 33.3 24.3 36.5

Manual Integrations

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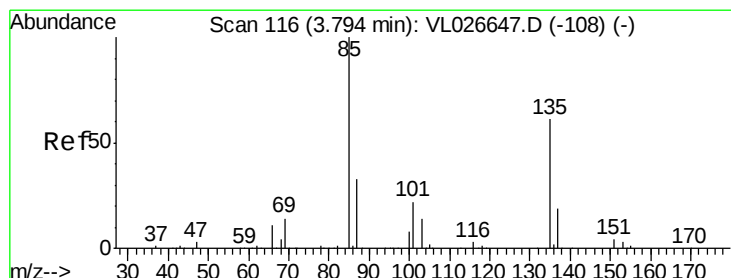
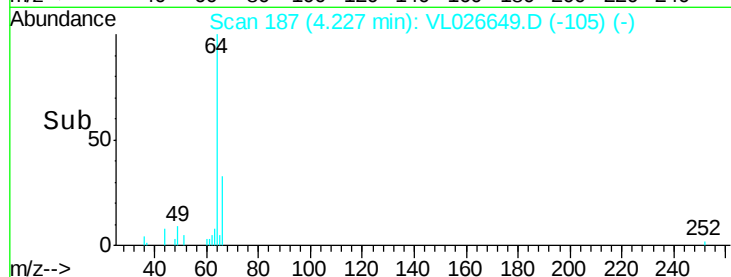
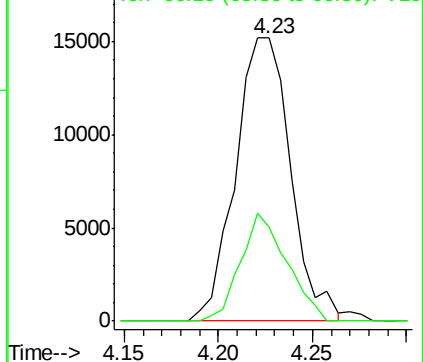
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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 1.07 ppbv

RT: 3.79 min Scan# 116

Delta R.T. 0.00 min

Lab File: VL026649.D

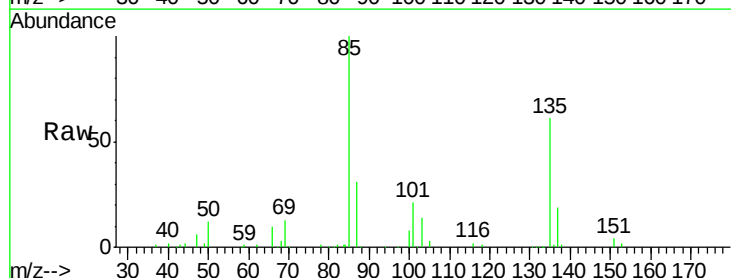
Acq: 8 Jan 2016 16:44

Tgt Ion: 85 Resp: 208063

Ion Ratio Lower Upper

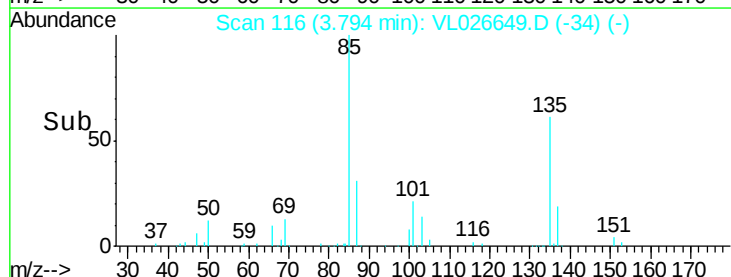
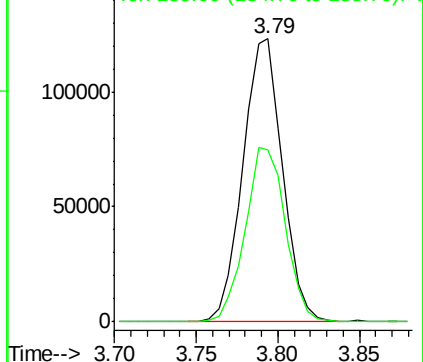
85 100

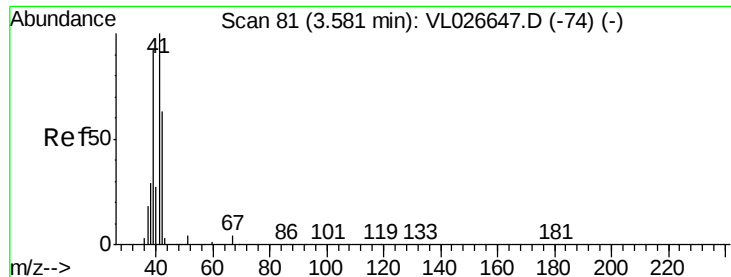
135 62.6 49.8 74.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 1.02 ppbv

RT: 3.58 min Scan# 81

Delta R.T. 0.00 min

Lab File: VL026649.D

Acq: 8 Jan 2016 16:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 41 Resp: 46988

Ion Ratio Lower Upper

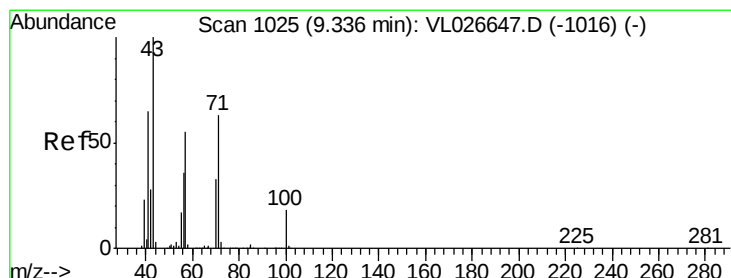
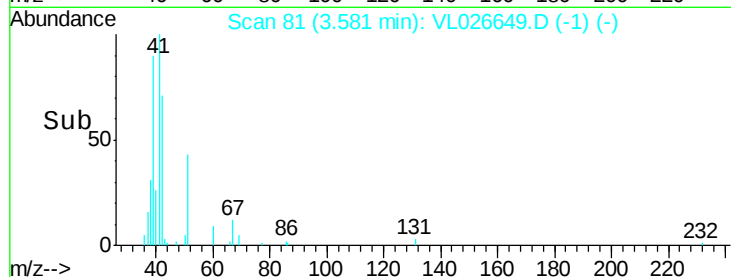
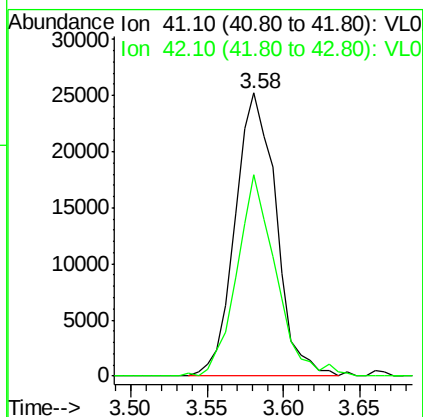
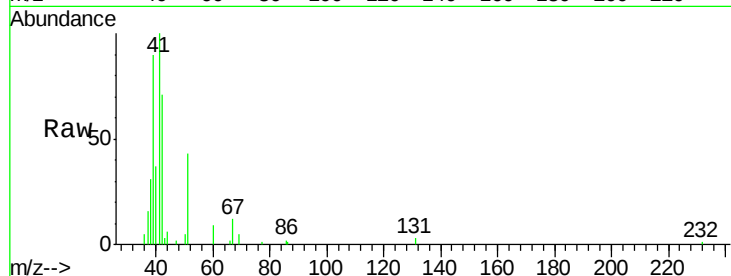
41 100

42 68.0 53.6 80.4

Manual Integrations
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#10

Heptane

Concen: 1.07 ppbv

RT: 9.33 min Scan# 1024

Delta R.T. -0.01 min

Lab File: VL026649.D

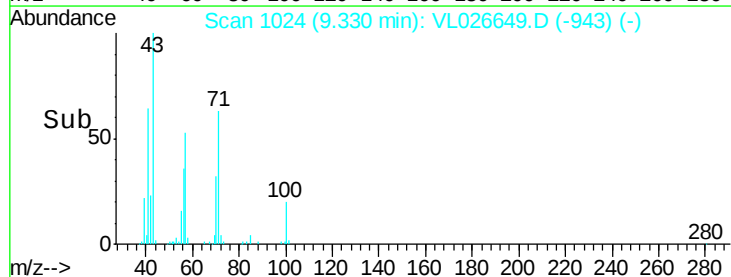
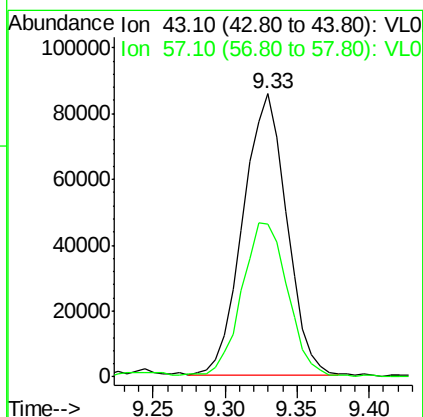
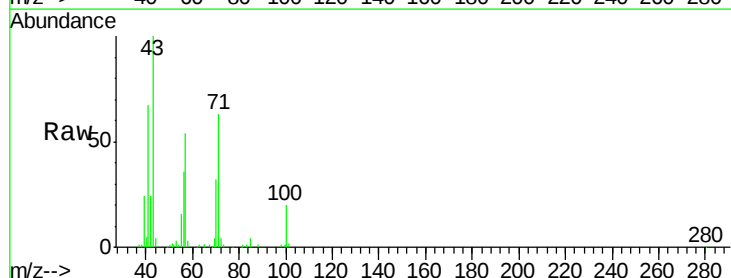
Acq: 8 Jan 2016 16:44

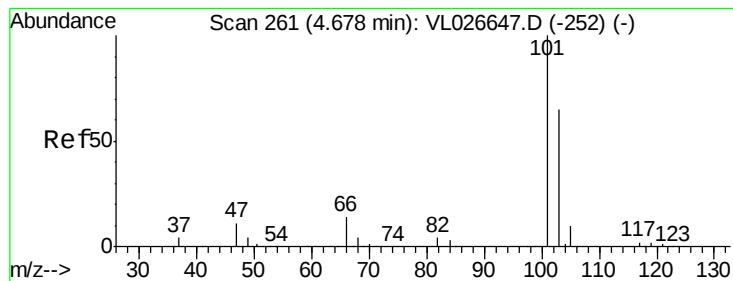
Tgt Ion: 43 Resp: 179348

Ion Ratio Lower Upper

43 100

57 58.5 45.8 68.6





#11

Trichlorofluoromethane

Concen: 1.06 ppbv

RT: 4.68 min Scan# 261

Delta R.T. 0.00 min

Lab File: VL026649.D

Acq: 8 Jan 2016 16:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion:101 Resp: 267301

Ion Ratio Lower Upper

101 100

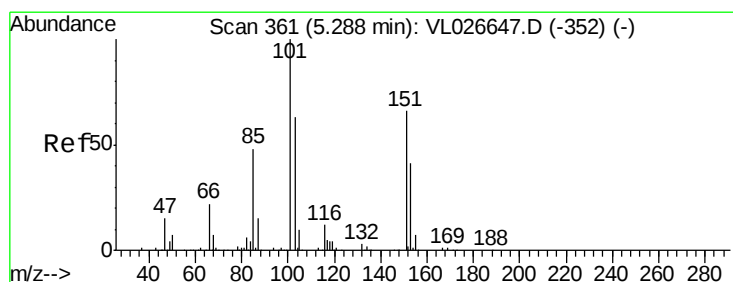
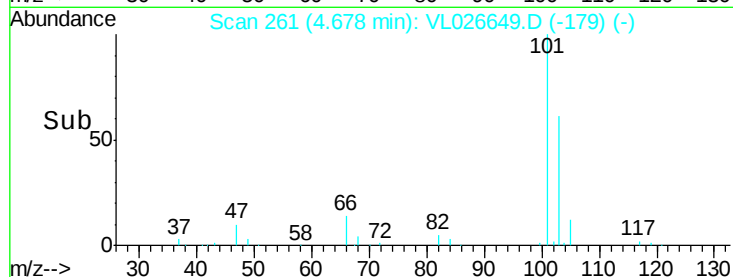
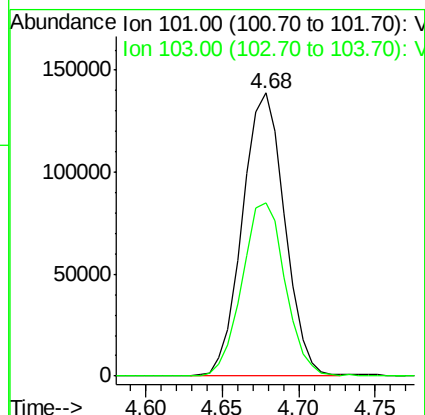
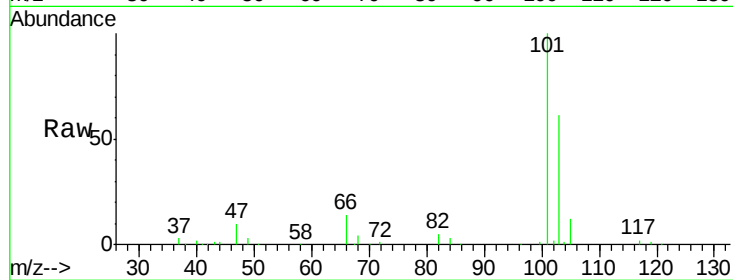
103 61.4 51.7 77.5

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#12

1,1,2-Trichlorotrifluoroethane

Concen: 1.06 ppbv

RT: 5.29 min Scan# 361

Delta R.T. 0.00 min

Lab File: VL026649.D

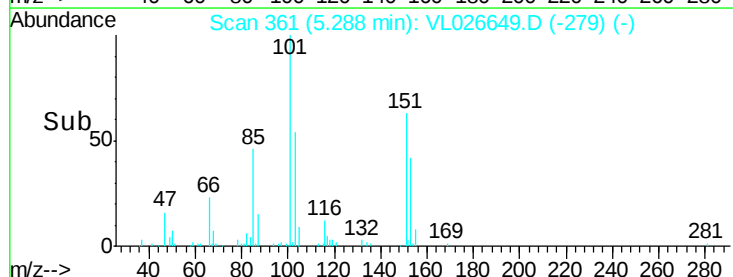
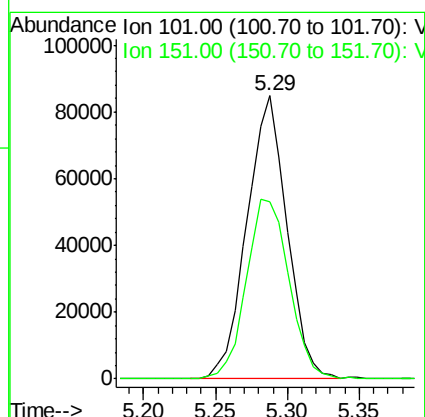
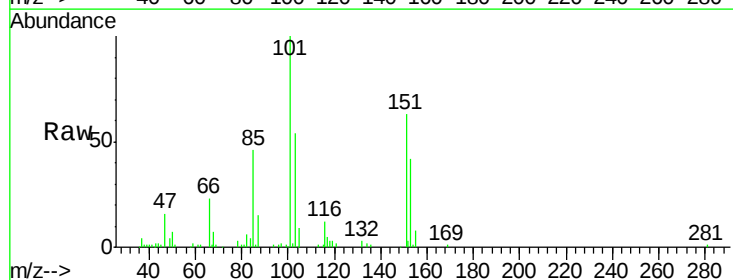
Acq: 8 Jan 2016 16:44

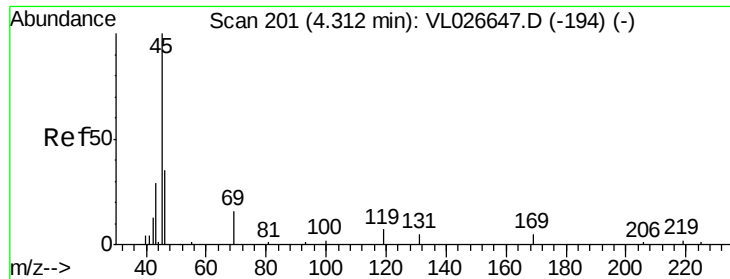
Tgt Ion:101 Resp: 163387

Ion Ratio Lower Upper

101 100

151 67.6 54.2 81.4





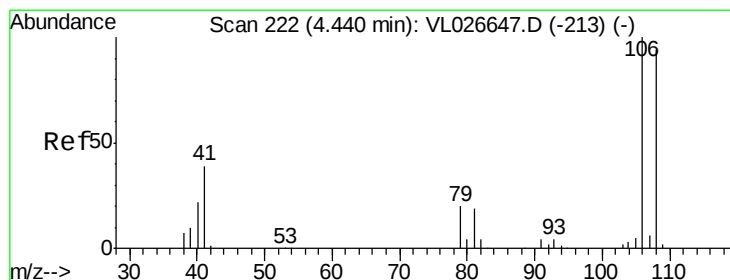
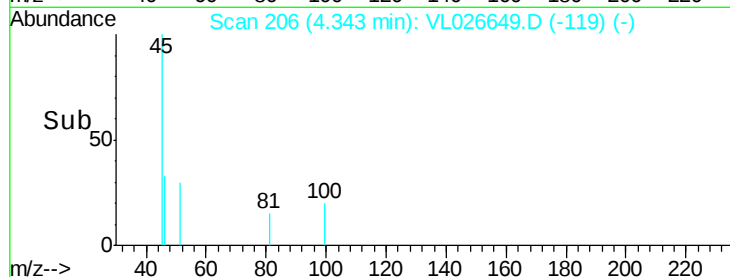
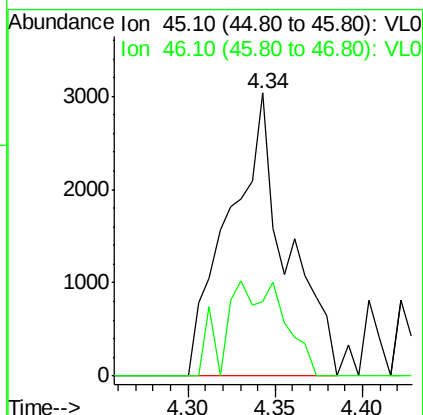
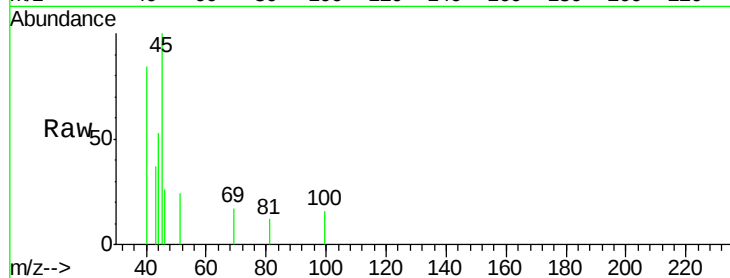
#13
Ethanol
Concen: 0.71 ppbv m
RT: 4.34 min Scan# 206
Delta R.T. 0.03 min
Lab File: VL026649.D
Acq: 8 Jan 2016 16:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion: 45 Resp: 6939
Ion Ratio Lower Upper
45 100
46 34.2 16.7 66.7

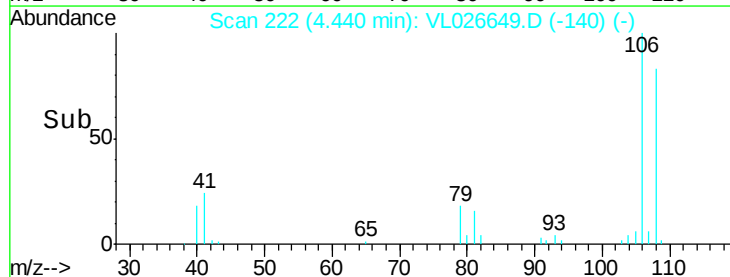
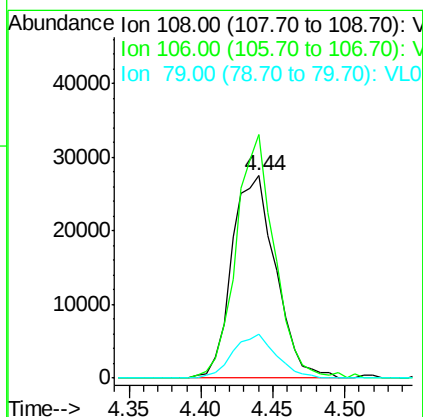
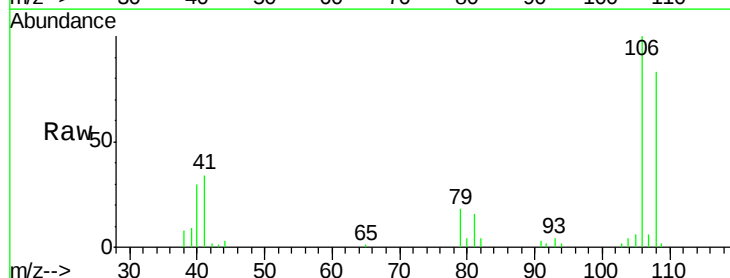
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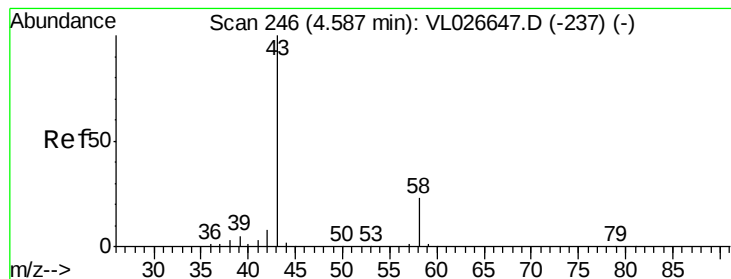
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#14
Bromoethene
Concen: 1.00 ppbv
RT: 4.44 min Scan# 222
Delta R.T. 0.00 min
Lab File: VL026649.D
Acq: 8 Jan 2016 16:44

Tgt Ion: 108 Resp: 58397
Ion Ratio Lower Upper
108 100
106 105.6 86.3 129.5
79 21.3 17.3 25.9





#15

Acetone

Concen: 1.22 ppbv

RT: 4.59 min Scan# 247

Delta R.T. 0.01 min

Lab File: VL026649.D

Acq: 8 Jan 2016 16:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 43 Resp: 169970

Ion Ratio Lower Upper

43 100

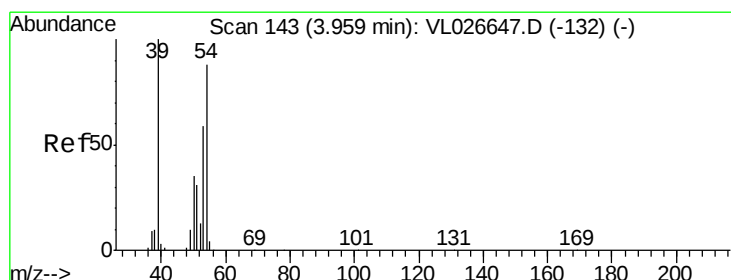
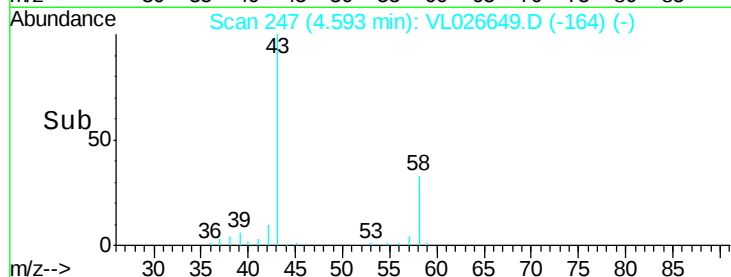
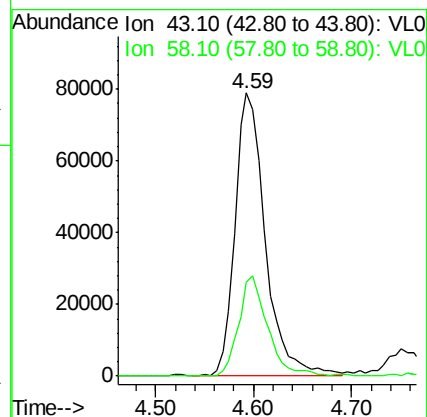
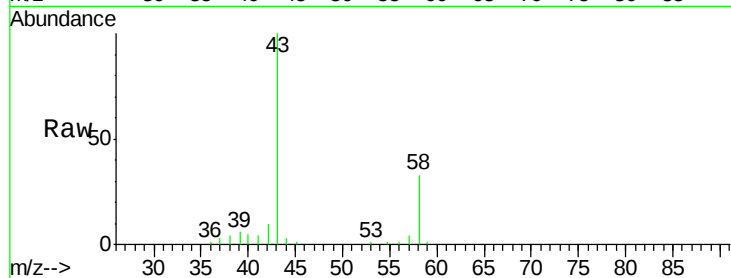
58 33.9 19.2 28.8#

Manual Integrations

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#16

1,3-Butadiene

Concen: 1.02 ppbv

RT: 3.95 min Scan# 142

Delta R.T. -0.01 min

Lab File: VL026649.D

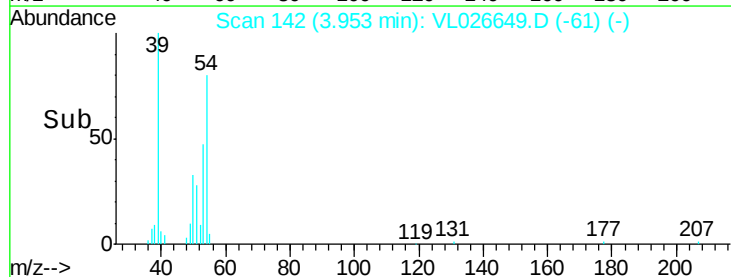
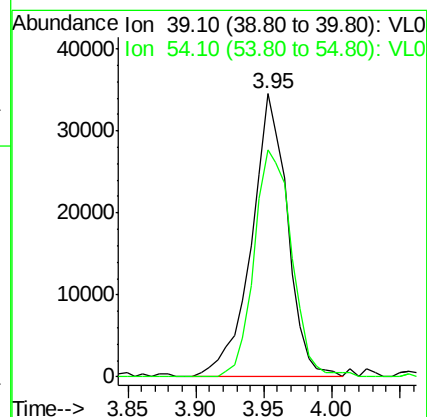
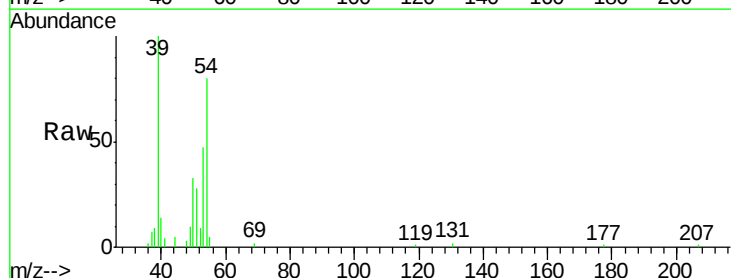
Acq: 8 Jan 2016 16:44

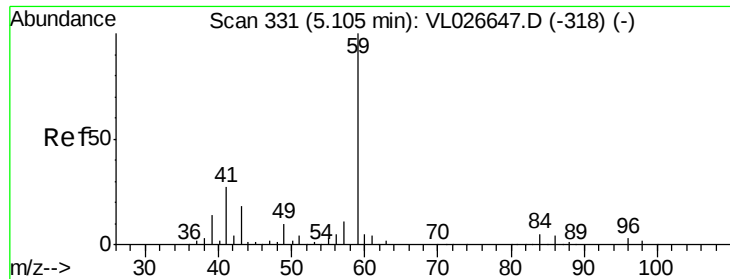
Tgt Ion: 39 Resp: 63913

Ion Ratio Lower Upper

39 100

54 83.6 66.4 99.6





#17

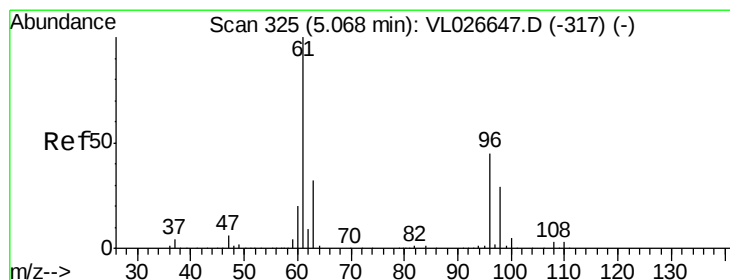
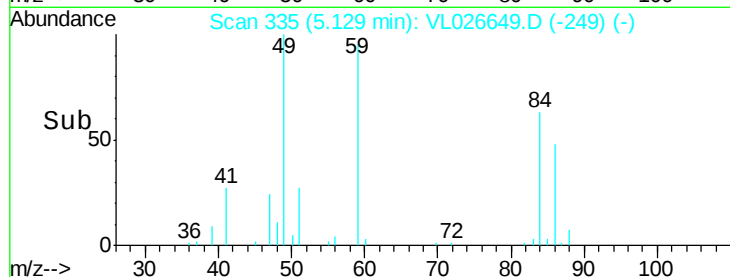
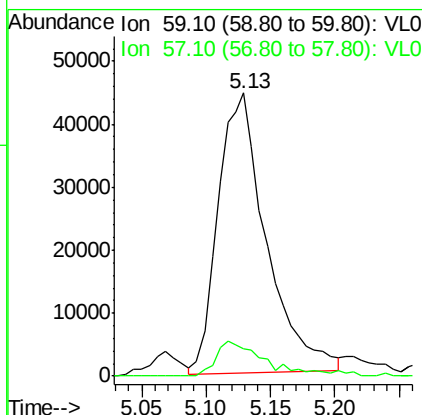
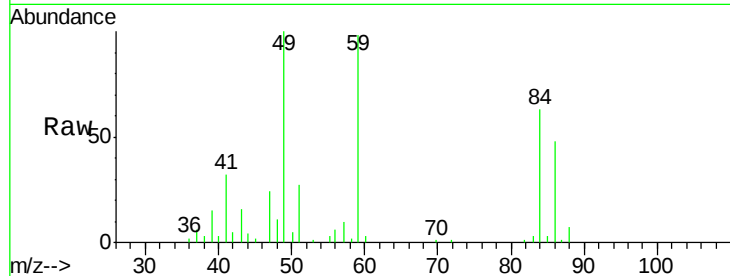
tert-Butyl alcohol
Concen: 0.90 ppbv
RT: 5.13 min Scan# 335
Delta R.T. 0.02 min
Lab File: VL026649.D
Acq: 8 Jan 2016 16:44

Instrument :
MSVOA_L
ClientSampled :
VSTDIC001

Tot Ion	59	Resp	116820
Ion Ratio	100	Lower	Upper
57	13.1	8.9	13.3

Manual Integrations
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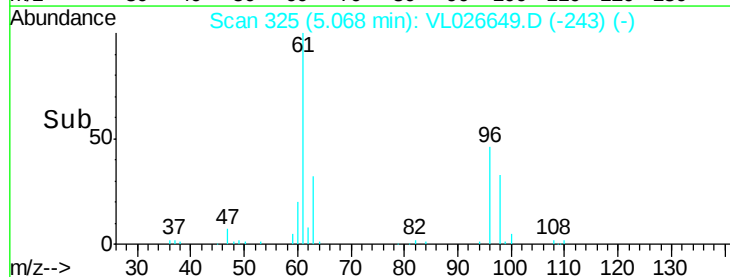
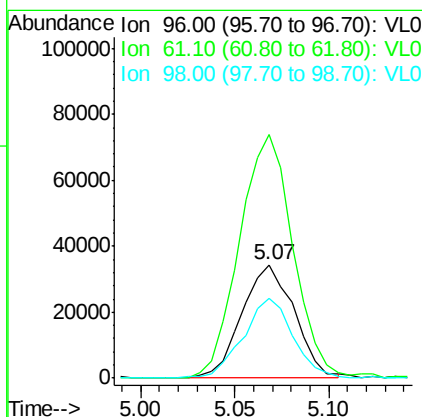
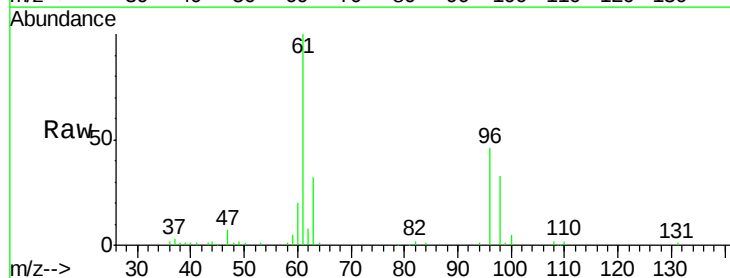
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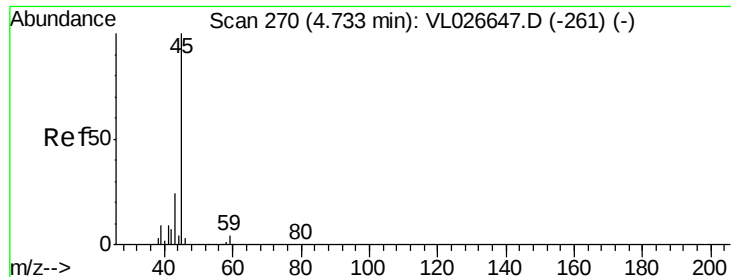


#18

1,1-Dichloroethene
Concen: 1.00 ppbv
RT: 5.07 min Scan# 325
Delta R.T. 0.00 min
Lab File: VL026649.D
Acq: 8 Jan 2016 16:44

Tgt Ion	96	Resp	66360
Ion Ratio	100	Lower	Upper
61	214.5	176.7	265.1
98	69.4	51.8	77.6





#19

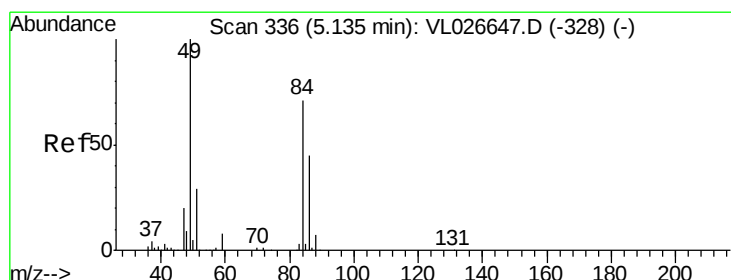
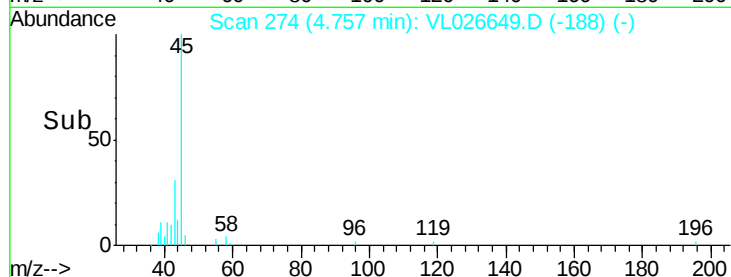
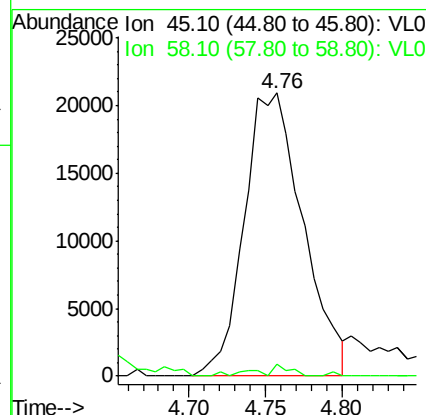
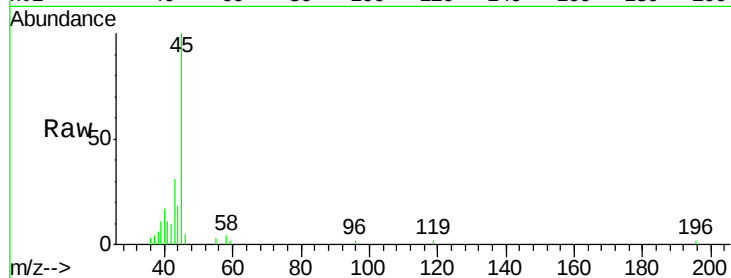
Isopropyl Alcohol
 Concen: 0.73 ppbv
 RT: 4.76 min Scan# 274
 Delta R.T. 0.02 min
 Lab File: VL026649.D
 Acq: 8 Jan 2016 16:44

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	45	Resp	56025
Ion Ratio	100	Lower	Upper
45	100		
58	102.8	1.2	1.8#

Manual Integrations
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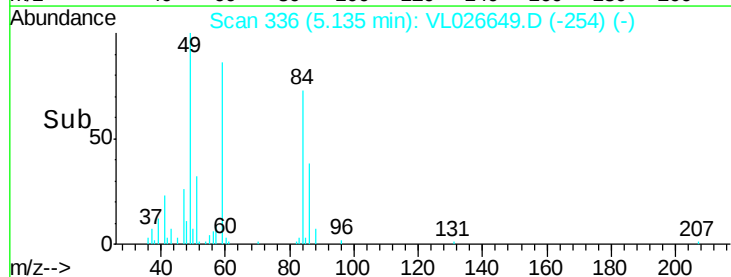
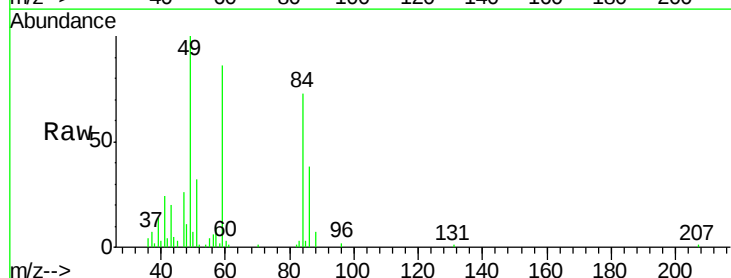
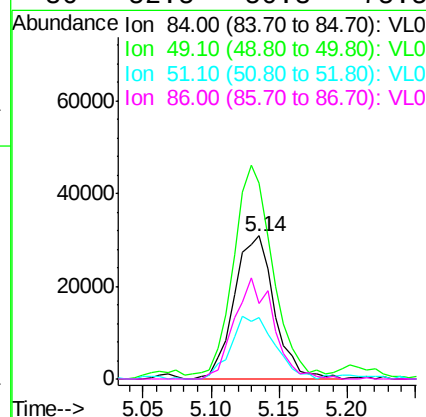
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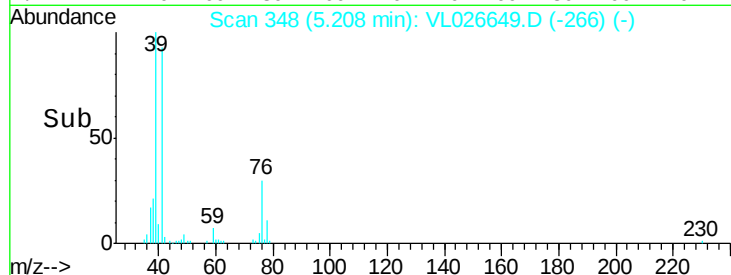
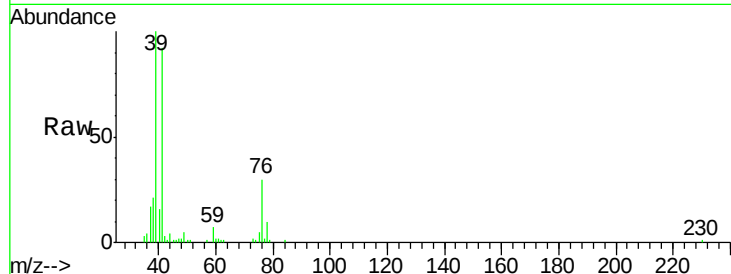
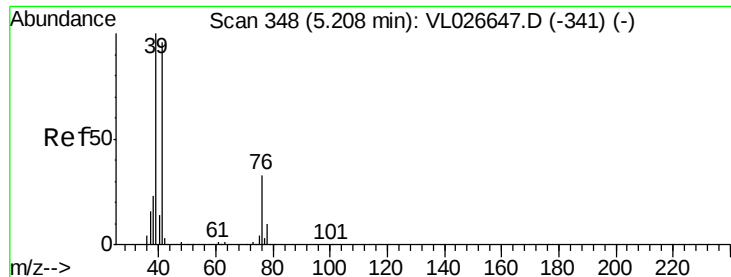


#20

Methylene Chloride
 Concen: 1.05 ppbv
 RT: 5.14 min Scan# 336
 Delta R.T. 0.00 min
 Lab File: VL026649.D
 Acq: 8 Jan 2016 16:44

Tgt Ion	84	Resp	63774
Ion Ratio	100	Lower	Upper
84	100		
49	132.1	112.3	168.5
51	44.1	32.5	48.7
86	52.5	50.3	75.5





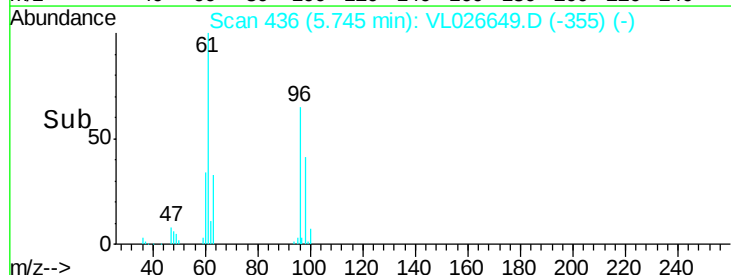
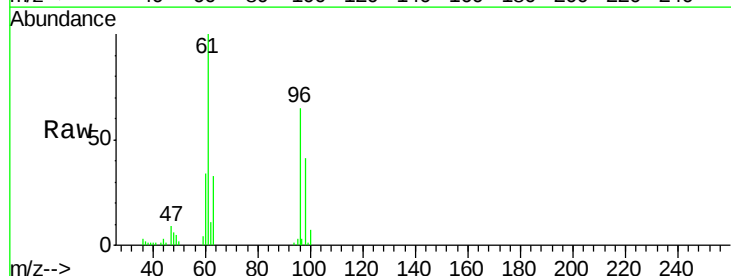
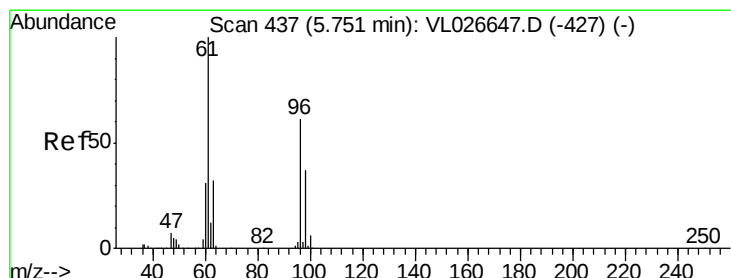
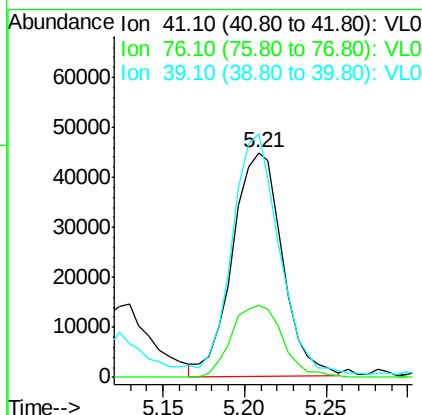
#21
Allvl Chloride
Concen: 0.99 ppbv
RT: 5.21 min Scan# 348
Delta R.T. 0.00 min
Lab File: VL026649.D
Acq: 8 Jan 2016 16:44

Tot Ion	Ratio	Lower	Upper
41	100		
76	33.1	27.5	41.3
39	103.0	83.2	124.8

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

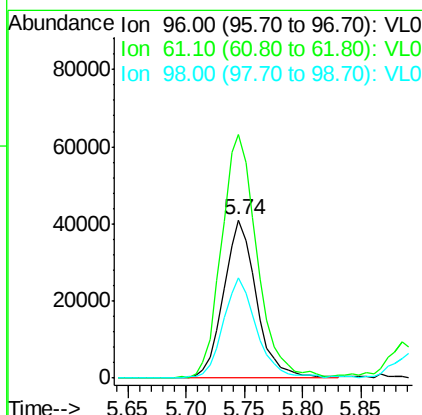
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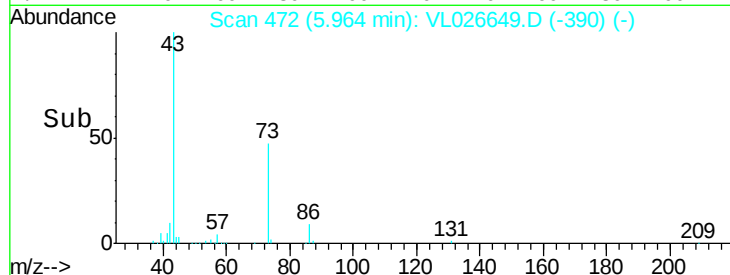
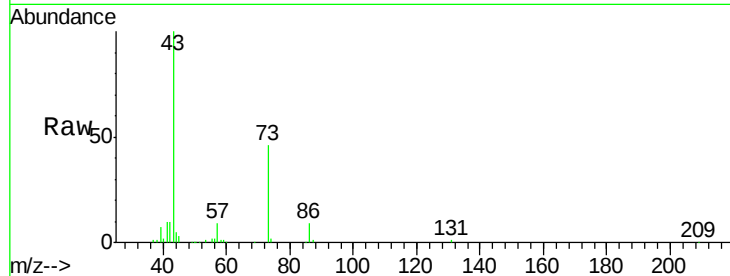
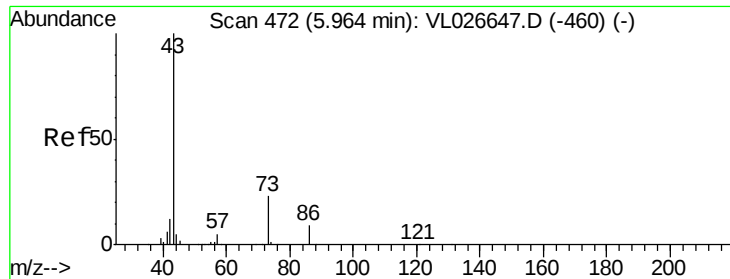
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#22
trans-1,2-Dichloroethene
Concen: 1.05 ppbv
RT: 5.74 min Scan# 436
Delta R.T. -0.01 min
Lab File: VL026649.D
Acq: 8 Jan 2016 16:44

Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.9	131.0	196.6
98	62.7	48.1	72.1





#23

Vinyl Acetate

Concen: 0.90 ppbv

RT: 5.96 min Scan# 472

Delta R.T. 0.00 min

Lab File: VL026649.D

Acq: 8 Jan 2016 16:44

Tot Ion:	43	Resp:	227478
Ion Ratio	Lower	Upper	
43	100		
86	9.0	7.4	11.0
42	10.5	9.2	13.8
44	4.8	3.8	5.8

Instrument :

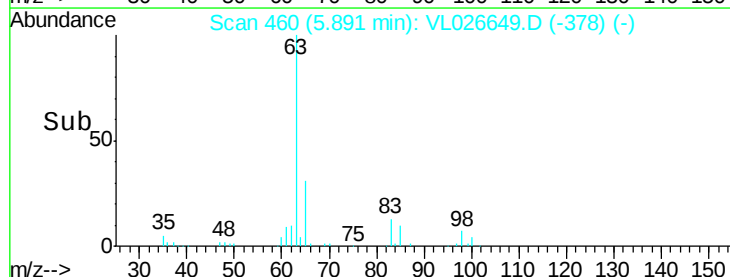
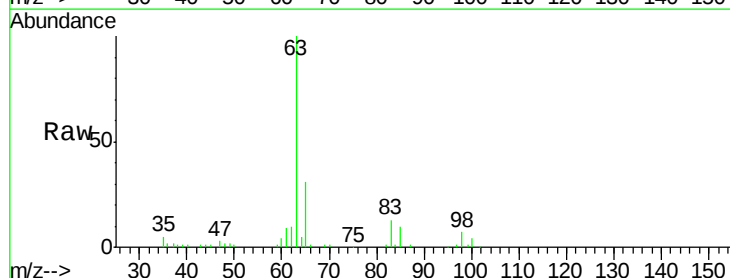
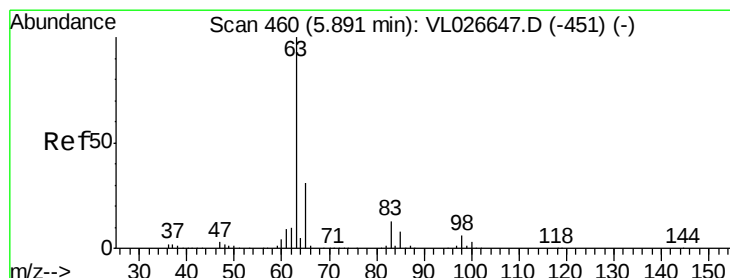
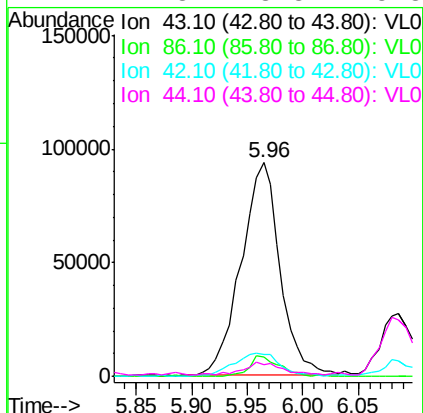
MSVOA_L

ClientSampleId :

VSTDIC001

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#24

1,1-Dichloroethane

Concen: 1.04 ppbv

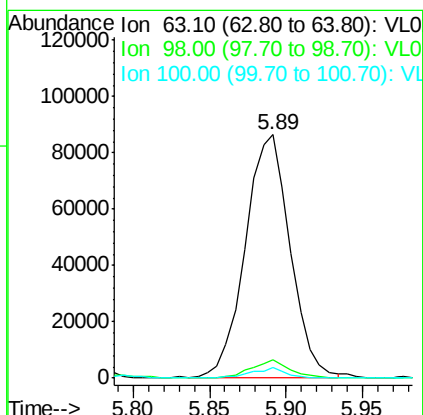
RT: 5.89 min Scan# 460

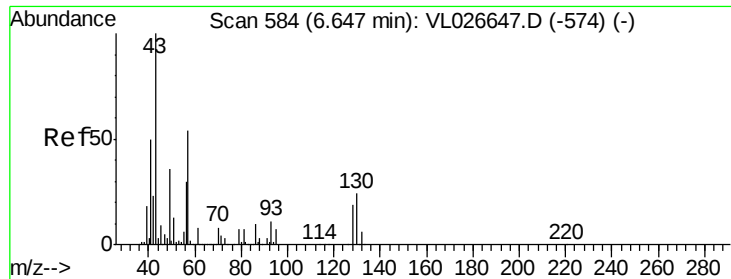
Delta R.T. 0.00 min

Lab File: VL026649.D

Acq: 8 Jan 2016 16:44

Tgt Ion:	63	Resp:	176223
Ion Ratio	Lower	Upper	
63	100		
98	7.4	2.9	8.7
100	4.2	1.6	4.8





#25

Ethyl Acetate

Concen: 1.00 ppbv

RT: 6.66 min Scan# 586

Delta R.T. 0.01 min

Lab File: VL026649.D

Acq: 8 Jan 2016 16:44

Instrument :

MSVOA_L

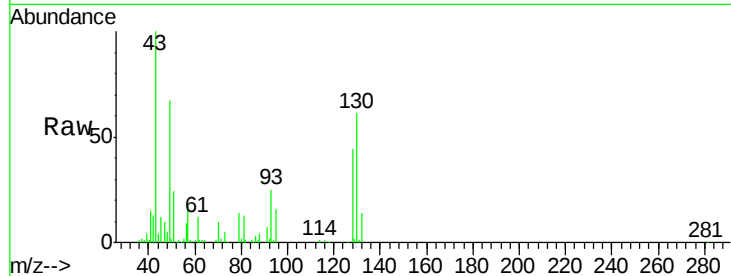
ClientSampled :

VSTDIC001

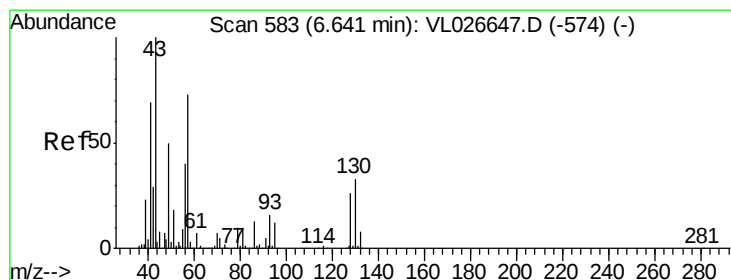
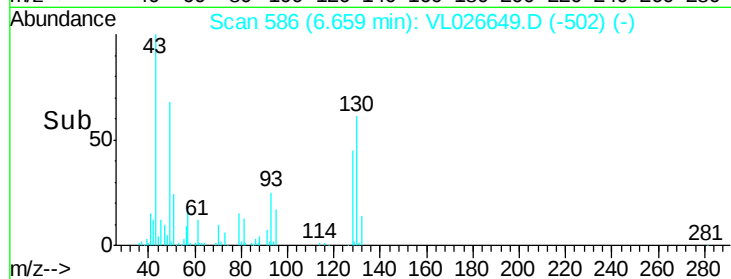
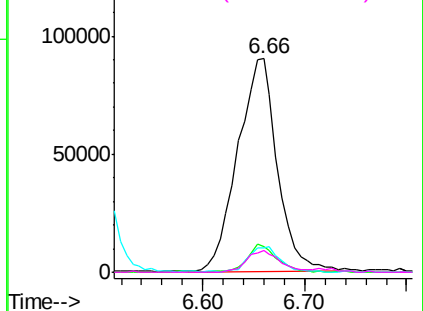
Tot Ion	43	Resp	244427
Ion	Ratio	Lower	Upper
43	100		
45	10.1	7.5	11.3
61	9.7	7.3	10.9
70	9.7	7.4	11.0

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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: 1.06 ppbv

RT: 6.64 min Scan# 582

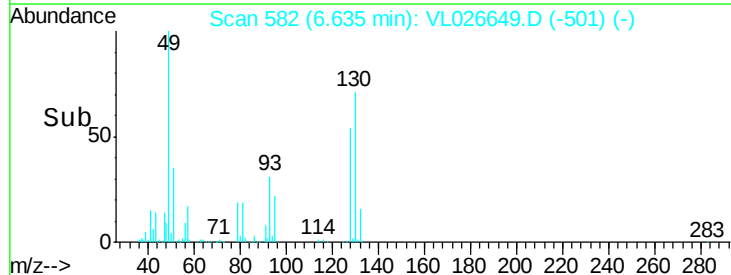
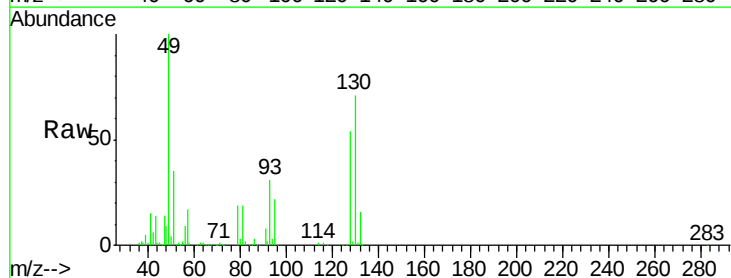
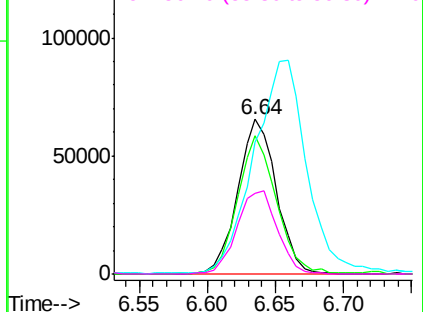
Delta R.T. -0.01 min

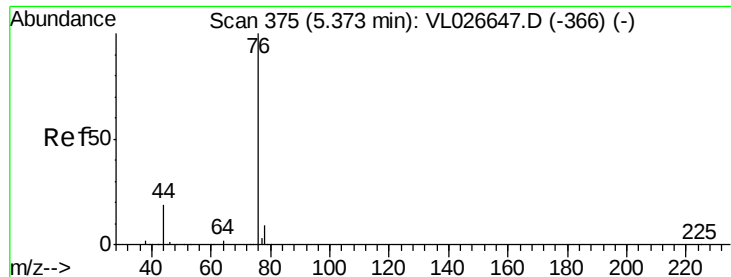
Lab File: VL026649.D

Acq: 8 Jan 2016 16:44

Tgt Ion	57	Resp	129950
Ion	Ratio	Lower	Upper
57	100		
41	90.4	74.8	112.2
43	194.1	161.5	242.3
56	56.0	44.4	66.6

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: 0.95 ppbv

RT: 5.37 min Scan# 375

Delta R.T. 0.00 min

Lab File: VL026649.D

Acq: 8 Jan 2016 16:44

Instrument :

MSVOA_L

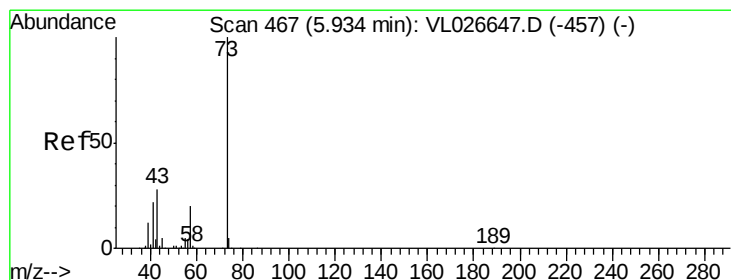
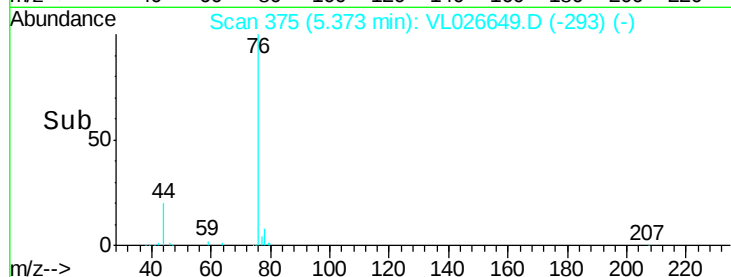
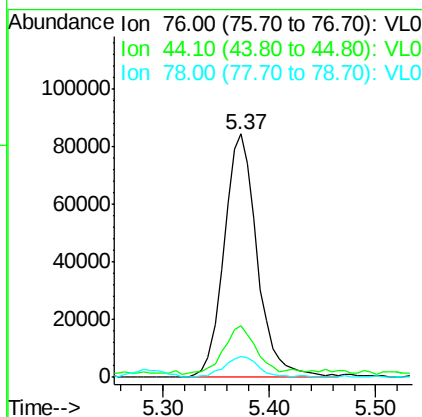
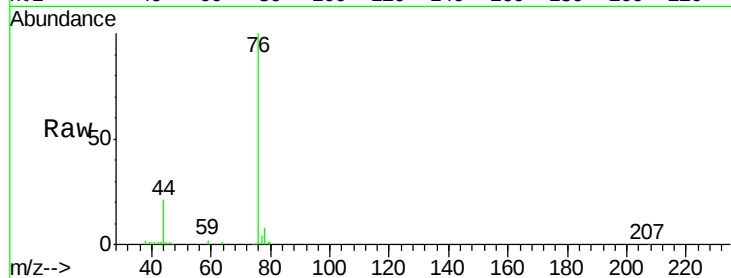
ClientSampleId :

VSTDIC001

Tot Ion	Ratio	Lower	Upper
76	100		
44	20.4	16.1	24.1
78	9.0	7.4	11.0

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#28

Methyl tert-Butyl Ether

Concen: 1.01 ppbv

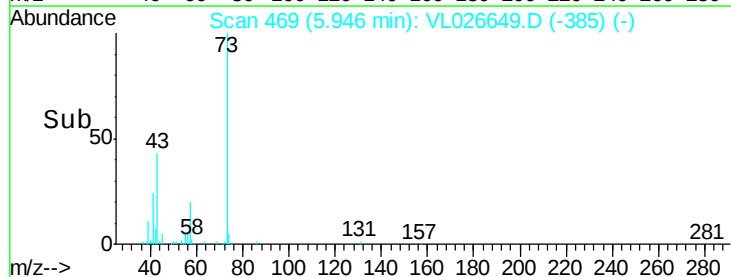
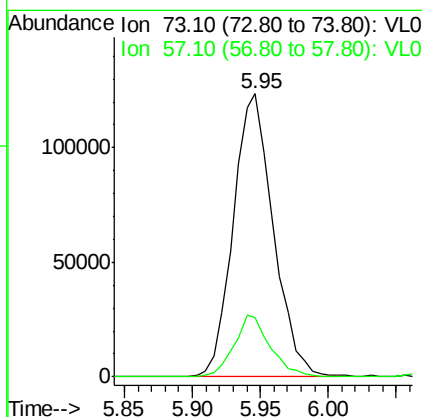
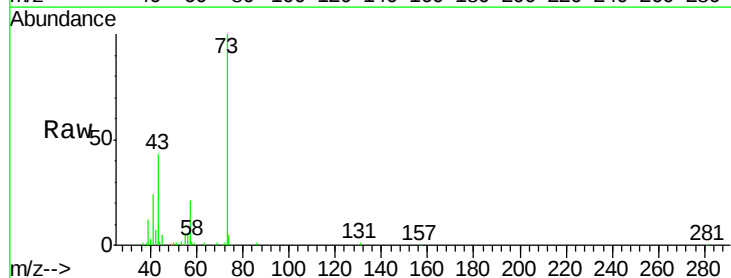
RT: 5.95 min Scan# 469

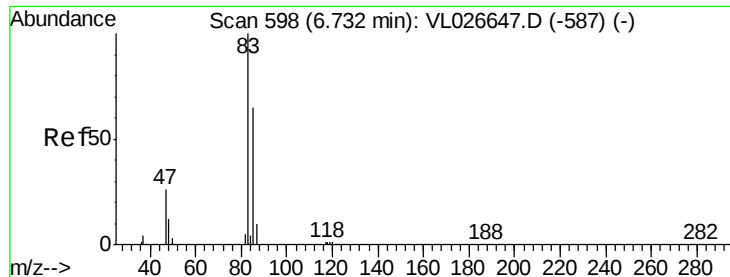
Delta R.T. 0.01 min

Lab File: VL026649.D

Acq: 8 Jan 2016 16:44

Tgt Ion	Ratio	Lower	Upper
73	100		
57	19.8	16.2	24.4





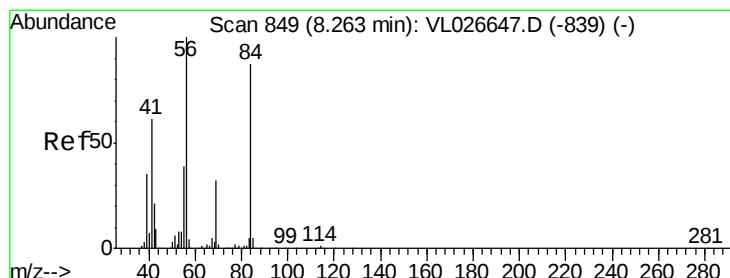
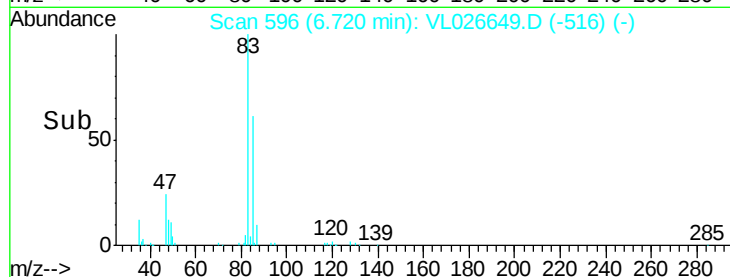
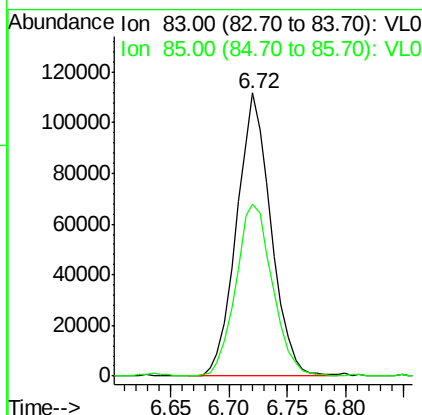
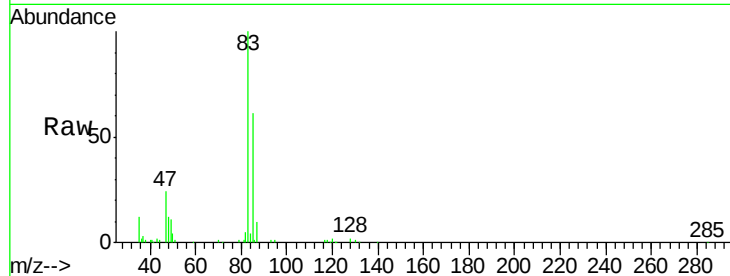
#29
Chloroform
Concen: 1.05 ppbv
RT: 6.72 min Scan# 596
Delta R.T. -0.01 min
Lab File: VL026649.D
Acq: 8 Jan 2016 16:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	83	Resp	229591
Ion Ratio	Lower	Upper	
83	100		
85	60.9	51.6	77.4

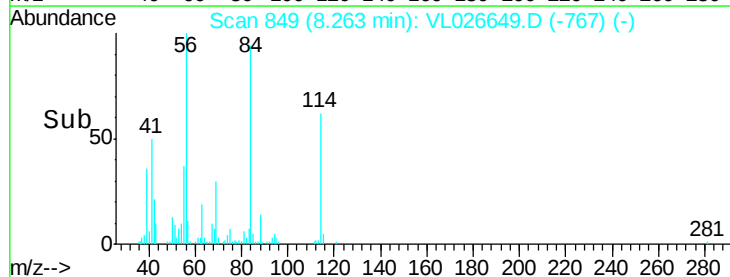
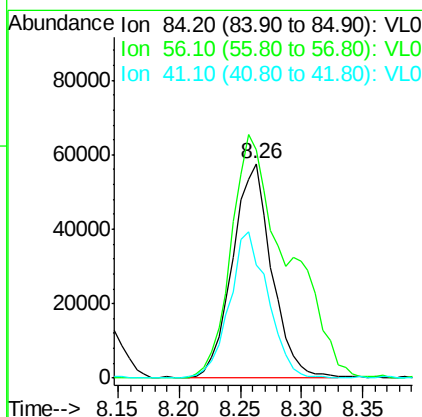
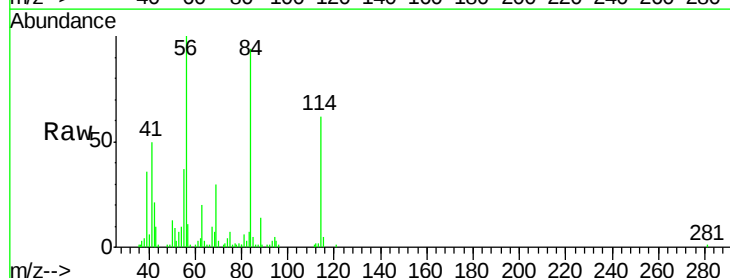
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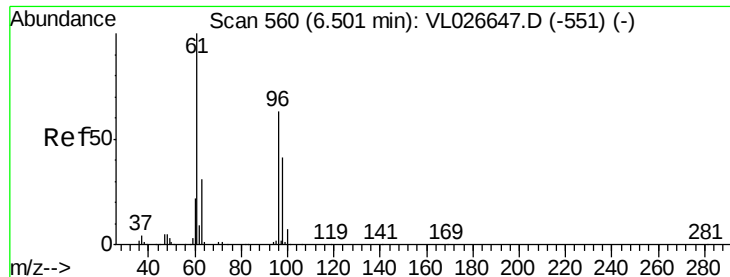
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#30
Cyclohexane
Concen: 1.03 ppbv
RT: 8.26 min Scan# 849
Delta R.T. 0.00 min
Lab File: VL026649.D
Acq: 8 Jan 2016 16:44

Tgt Ion	84	Resp	128510
Ion Ratio	Lower	Upper	
84	100		
56	163.8	95.9	143.9#
41	66.7	54.8	82.2





#31

cis-1,2-Dichloroethene

Concen: 0.98 ppbv

RT: 6.49 min Scan# 559

Delta R.T. -0.01 min

Lab File: VL026649.D

Acq: 8 Jan 2016 16:44

Instrument :

MSVOA_L

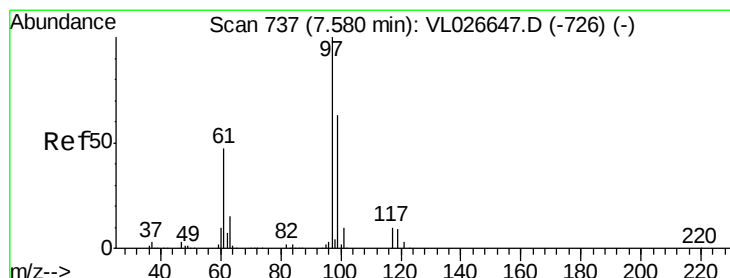
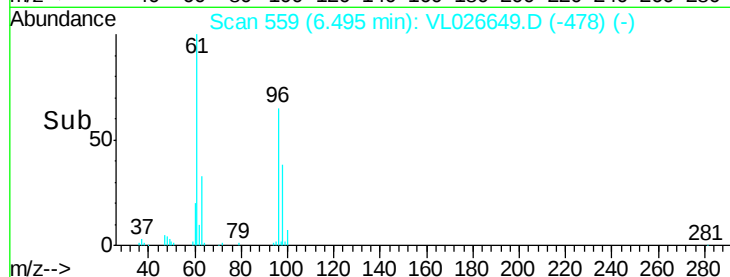
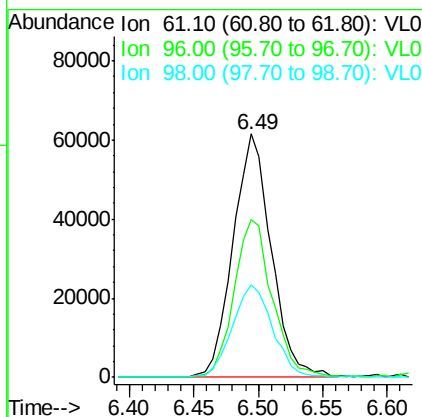
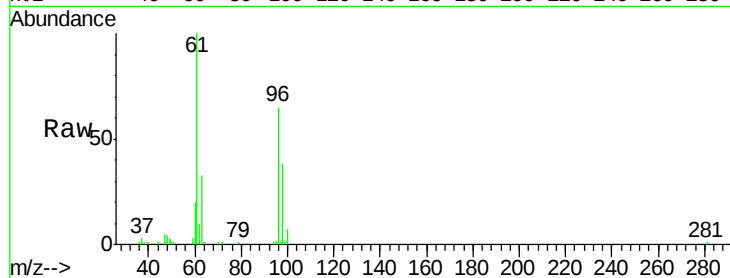
ClientSampleId :

VSTDIC001

Tot Ion:	61	Resp:	126833
Ion Ratio	Lower	Upper	
61	100		
96	64.8	50.2	75.4
98	38.2	32.4	48.6

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#32

1,1,1-Trichloroethane

Concen: 1.00 ppbv

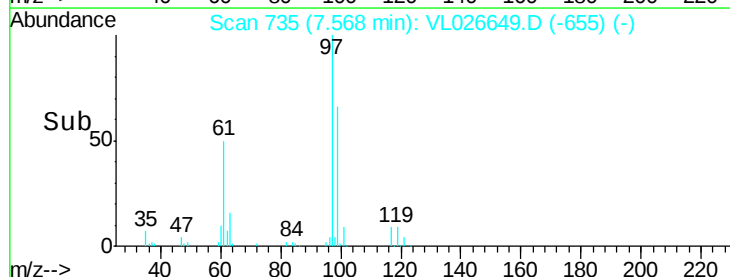
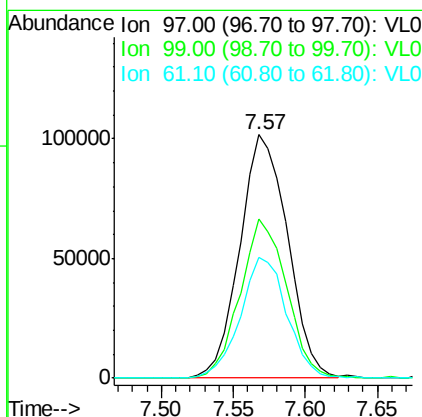
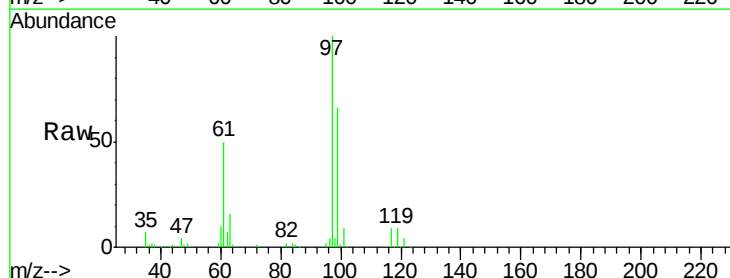
RT: 7.57 min Scan# 735

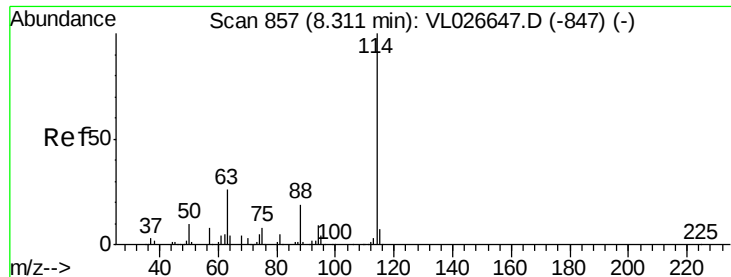
Delta R.T. -0.01 min

Lab File: VL026649.D

Acq: 8 Jan 2016 16:44

Tgt Ion:	97	Resp:	234049
Ion Ratio	Lower	Upper	
97	100		
99	63.7	50.8	76.2
61	48.5	38.6	58.0





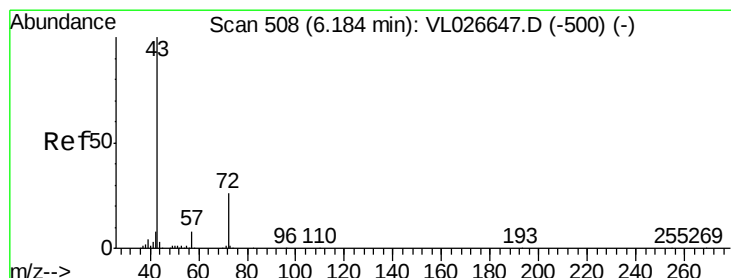
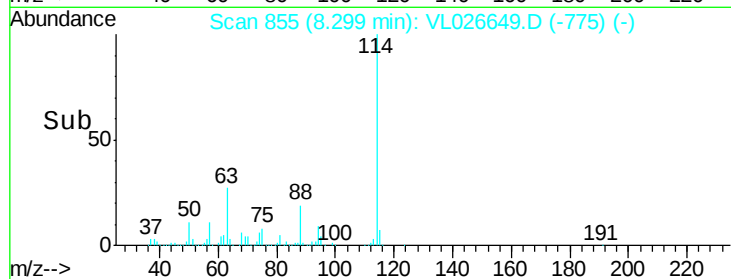
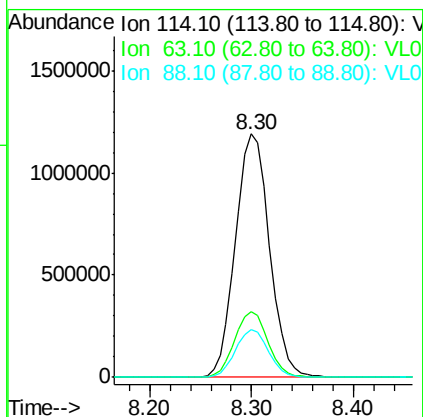
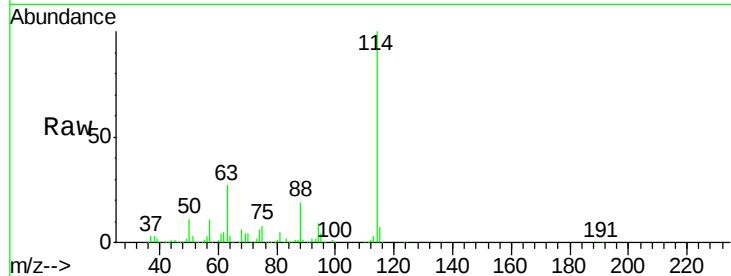
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 8.30 min Scan# 855
 Delta R.T. -0.01 min
 Lab File: VL026649.D
 Acq: 8 Jan 2016 16:44

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
114	100		
63	26.7	21.7	32.5
88	19.0	15.2	22.8

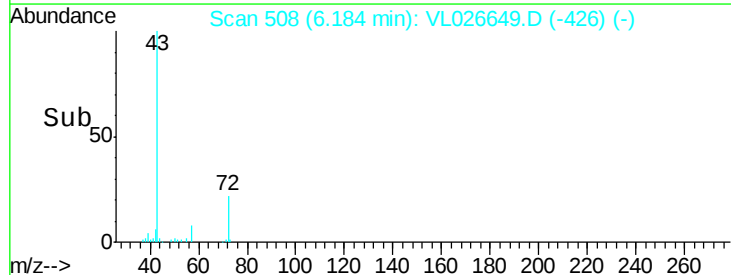
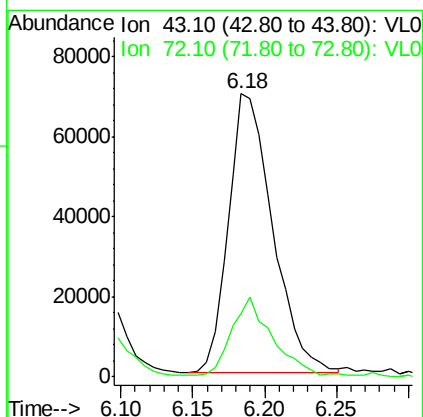
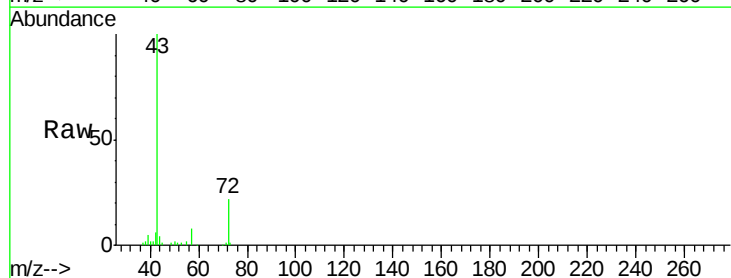
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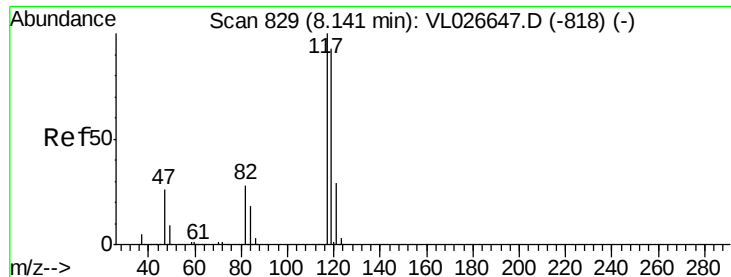
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#34
 2-Butanone
 Concen: 1.03 ppbv
 RT: 6.18 min Scan# 508
 Delta R.T. 0.00 min
 Lab File: VL026649.D
 Acq: 8 Jan 2016 16:44

Tgt Ion	Ratio	Lower	Upper
43	100		
72	27.6	20.9	31.3





#35

Carbon Tetrachloride

Concen: 1.01 ppbv

RT: 8.13 min Scan# 828

Delta R.T. -0.01 min

Lab File: VL026649.D

Acq: 8 Jan 2016 16:44

Instrument :

MSVOA_L

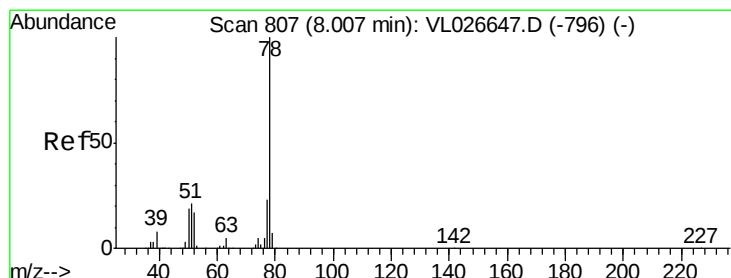
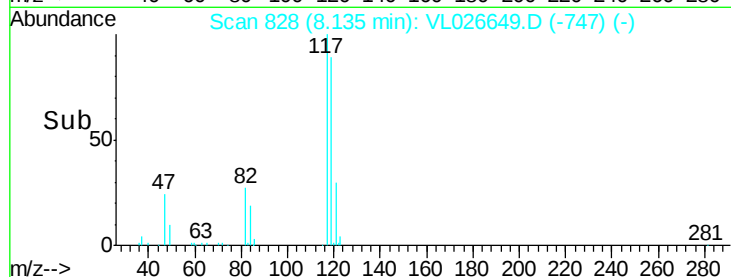
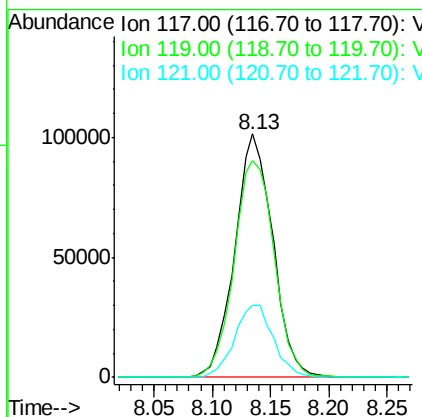
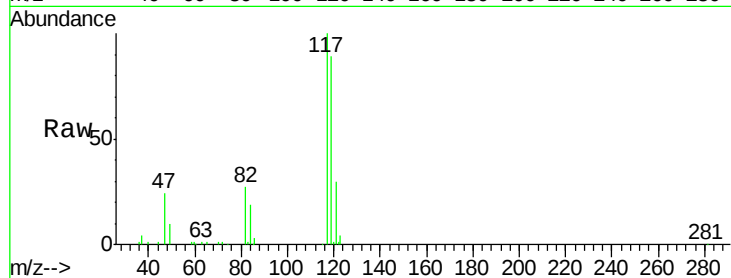
ClientSampled :

VSTDIC001

Tot Ion:	117	Resp:	229789
Ion Ratio	Lower	Upper	
117	100		
119	89.1	74.7	112.1
121	29.5	23.1	34.7

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#36

Benzene

Concen: 1.05 ppbv

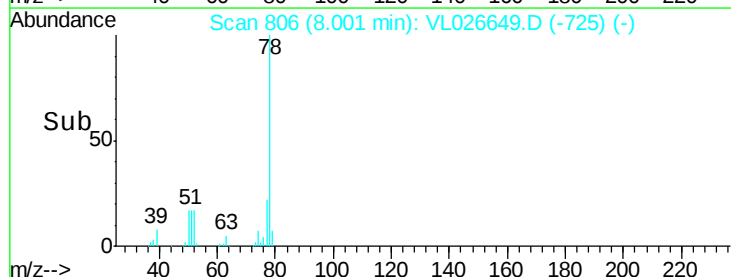
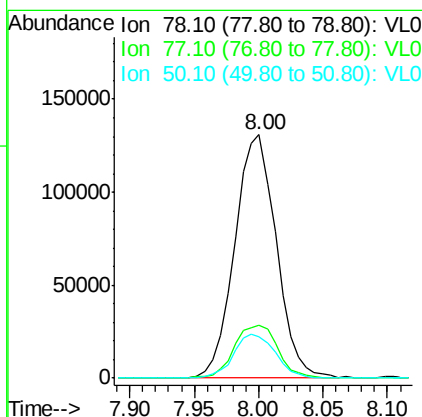
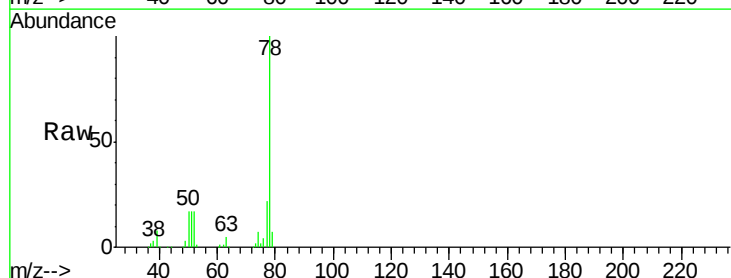
RT: 8.00 min Scan# 806

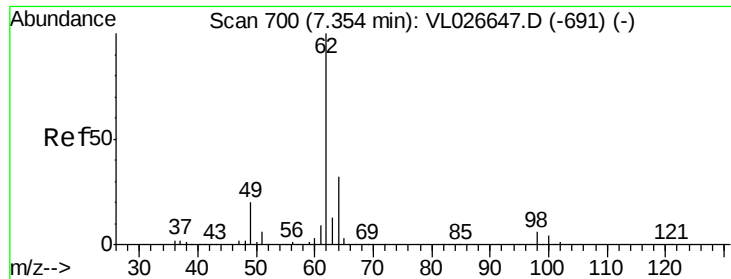
Delta R.T. -0.01 min

Lab File: VL026649.D

Acq: 8 Jan 2016 16:44

Tgt Ion:	78	Resp:	292757
Ion Ratio	Lower	Upper	
78	100		
77	21.5	18.5	27.7
50	17.0	15.4	23.2





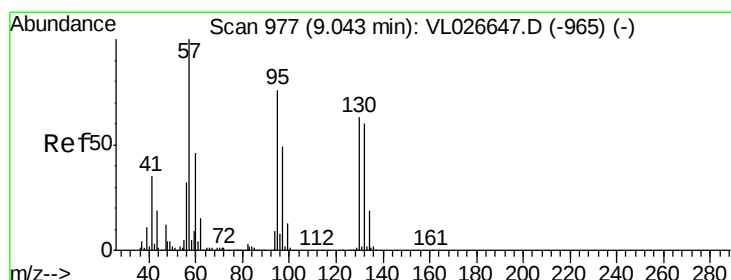
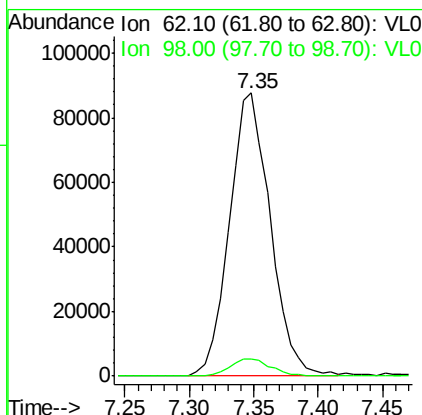
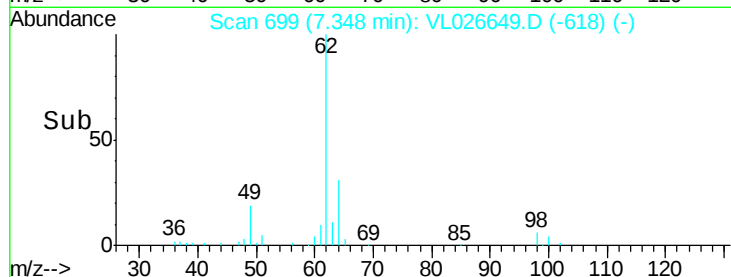
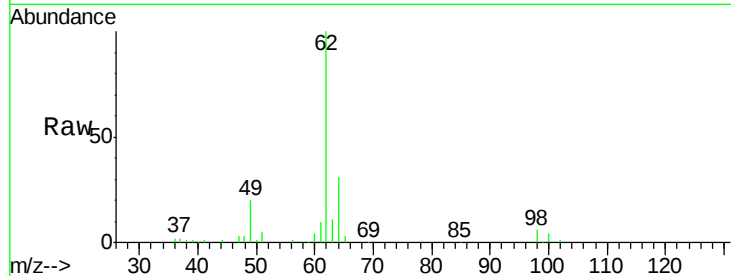
#37
 1,2-Dichloroethane
 Concen: 1.02 ppbv
 RT: 7.35 min Scan# 699
 Delta R.T. -0.01 min
 Lab File: VL026649.D
 Acq: 8 Jan 2016 16:44

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
62	100	193530		
98	6.2		4.8	7.2

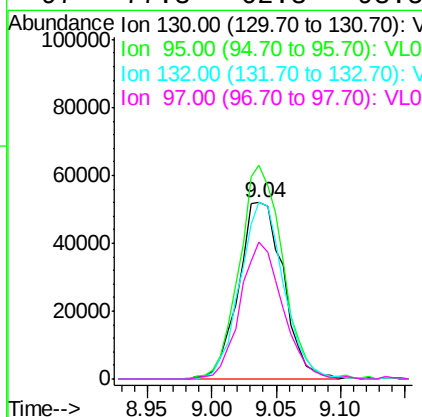
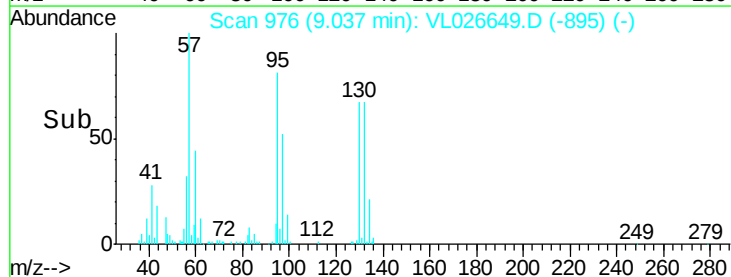
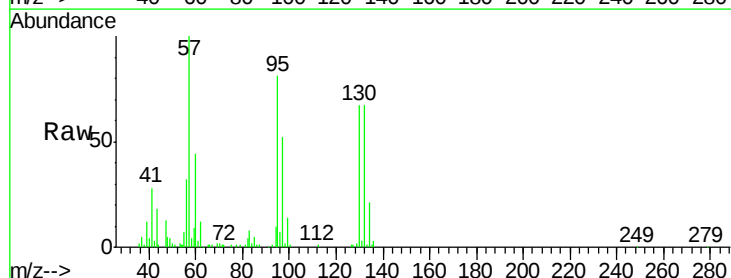
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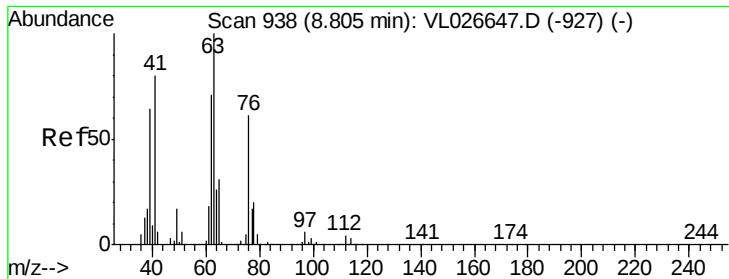
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#38
 Trichloroethene
 Concen: 1.16 ppbv
 RT: 9.04 min Scan# 976
 Delta R.T. -0.01 min
 Lab File: VL026649.D
 Acq: 8 Jan 2016 16:44

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	125171		
95	121.1		96.6	145.0
132	99.0		76.2	114.4
97	77.3		62.3	93.5





#39

1,2-Dichloropropane

Concen: 1.06 ppbv

RT: 8.80 min Scan# 937

Delta R.T. -0.01 min

Lab File: VL026649.D

Acq: 8 Jan 2016 16:44

Instrument :

MSVOA_L

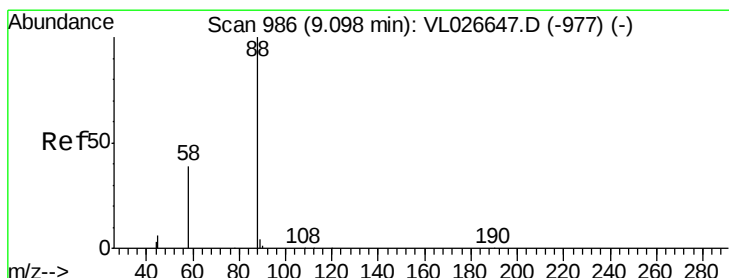
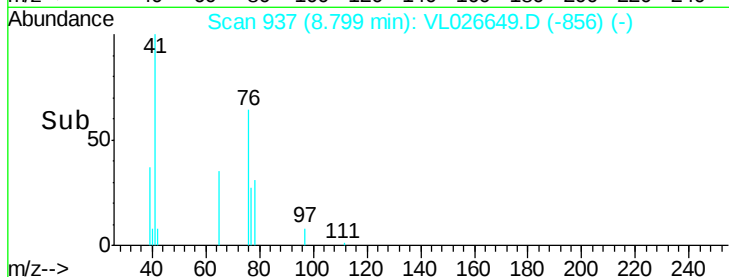
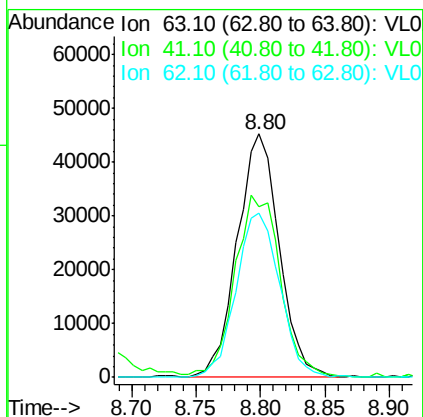
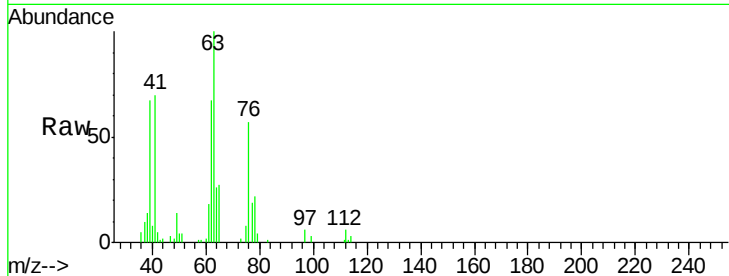
ClientSampleId :

VSTDIC001

Tot Ion:	63	Resp:	102518
Ion Ratio	Lower	Upper	
63	100		
41	69.2	64.1	96.1
62	67.5	56.6	84.8

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#40

1,4-Dioxane

Concen: 0.50 ppbv m

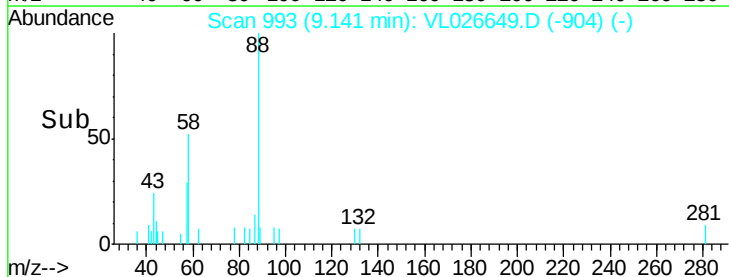
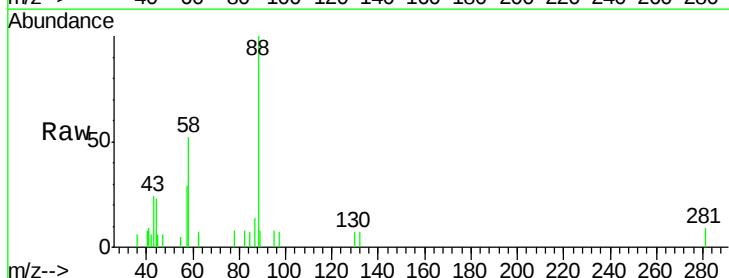
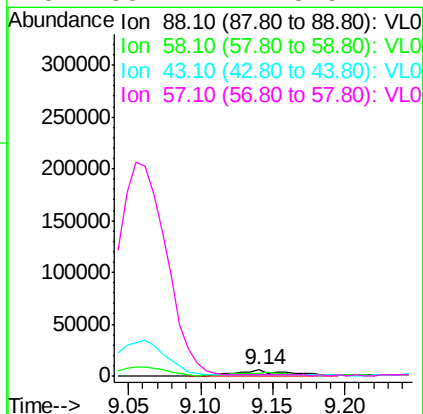
RT: 9.14 min Scan# 993

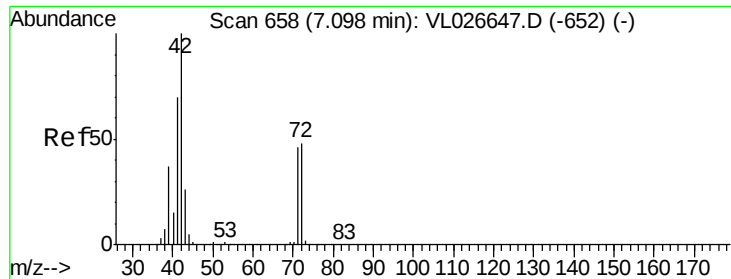
Delta R.T. 0.04 min

Lab File: VL026649.D

Acq: 8 Jan 2016 16:44

Tgt Ion:	88	Resp:	15149
Ion Ratio	Lower	Upper	
88	100		
58	136.7	109.4	164.2
43	590.9	238.2	357.2#
57	3321.4	1148.3	1722.5#





#41

Tetrahydrofuran

Concen: 0.95 ppbv

RT: 7.12 min Scan# 661

Delta R.T. 0.02 min

Lab File: VL026649.D

Acq: 8 Jan 2016 16:44

Instrument :

MSVOA_L

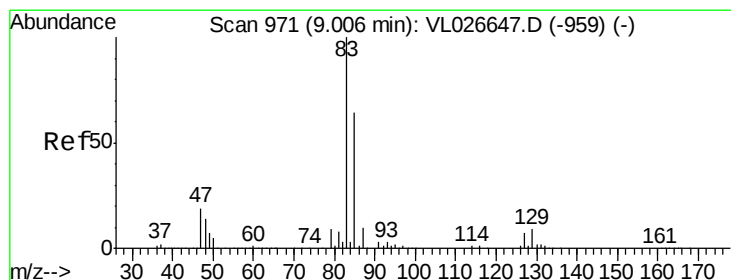
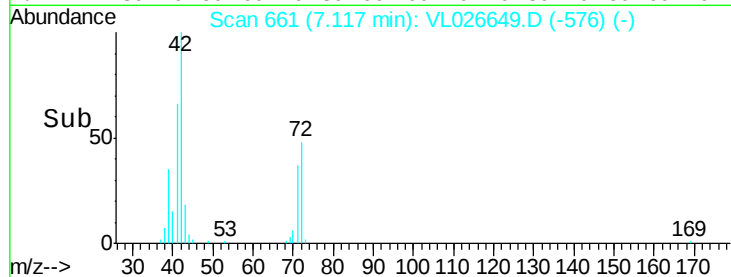
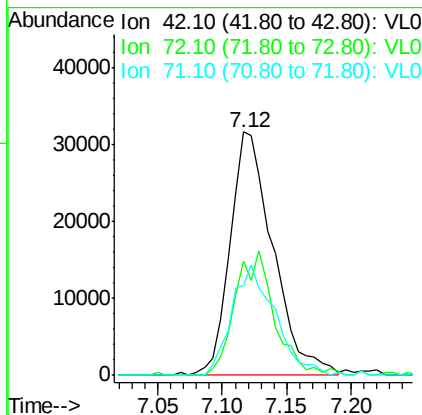
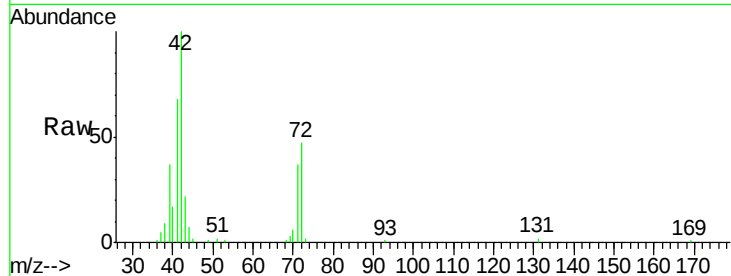
ClientSampleId :

VSTDIC001

Tot Ion:	42	Resp:	73264
Ion	Ratio	Lower	Upper
42	100		
72	47.6	40.6	60.8
71	45.9	38.4	57.6

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#42

Bromodichloromethane

Concen: 1.04 ppbv

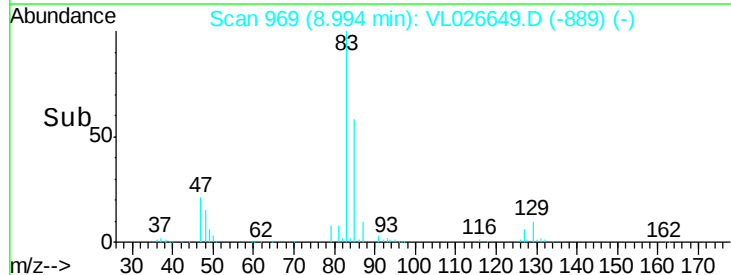
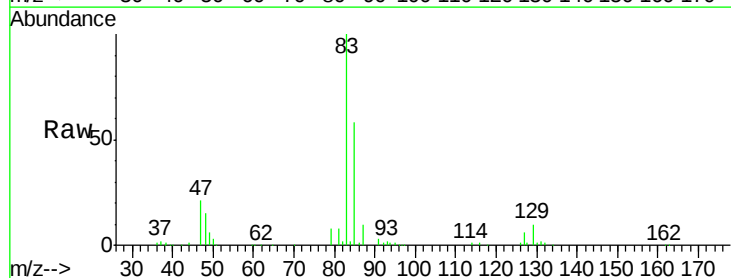
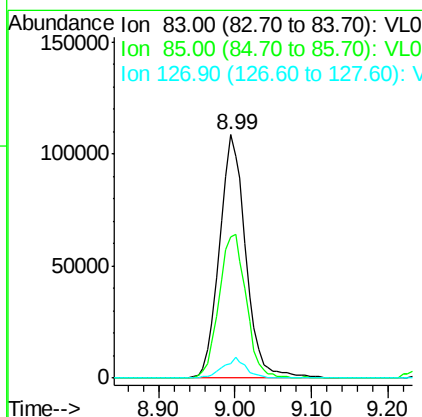
RT: 8.99 min Scan# 969

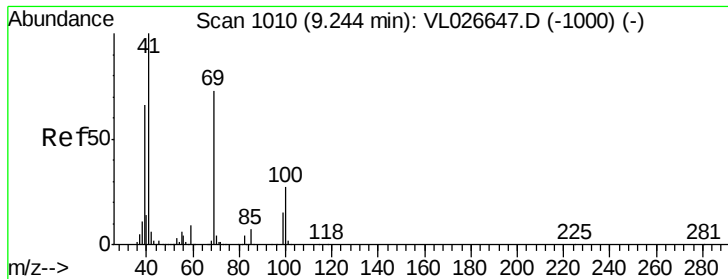
Delta R.T. -0.01 min

Lab File: VL026649.D

Acq: 8 Jan 2016 16:44

Tgt Ion:	83	Resp:	258174
Ion	Ratio	Lower	Upper
83	100		
85	58.2	50.9	76.3
127	5.9	5.5	8.3





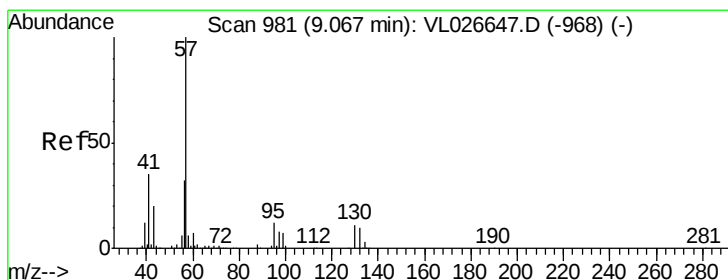
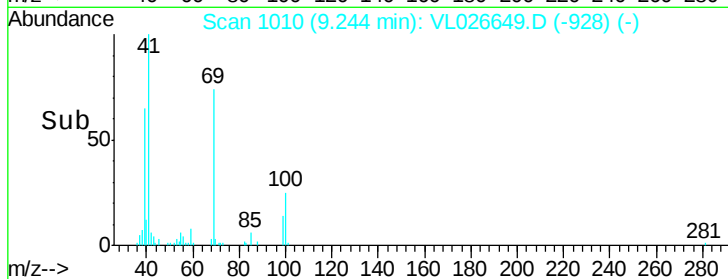
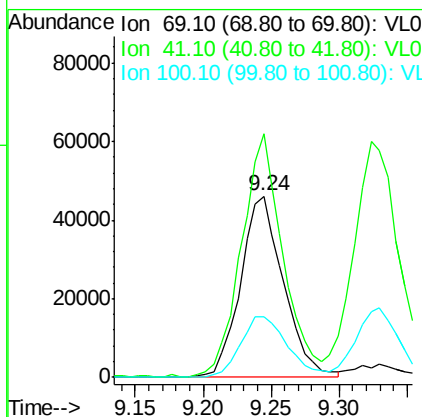
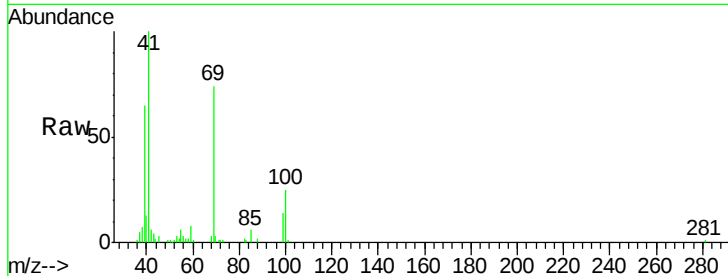
#43
Methvl Methacrylate
Concen: 0.93 ppbv
RT: 9.24 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VL026649.D
Acq: 8 Jan 2016 16:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	128.3	106.1	159.1	
100	35.8	29.0	43.4	

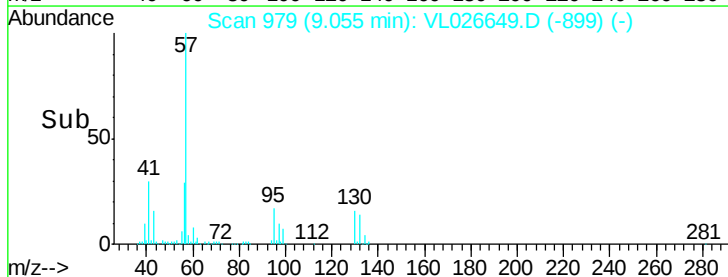
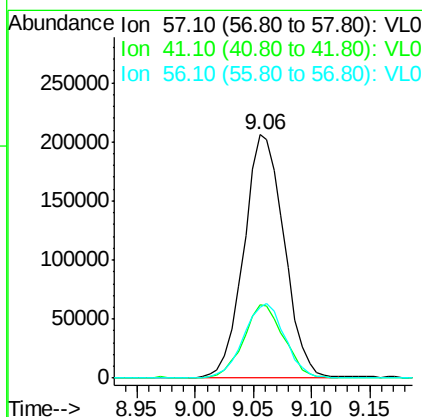
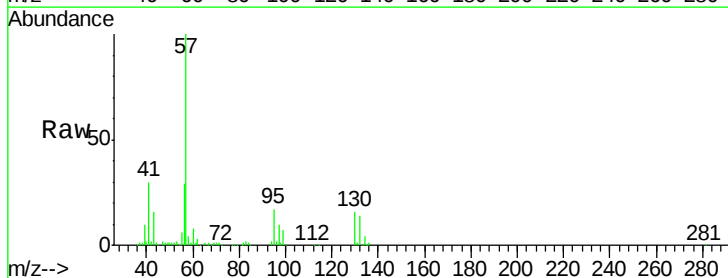
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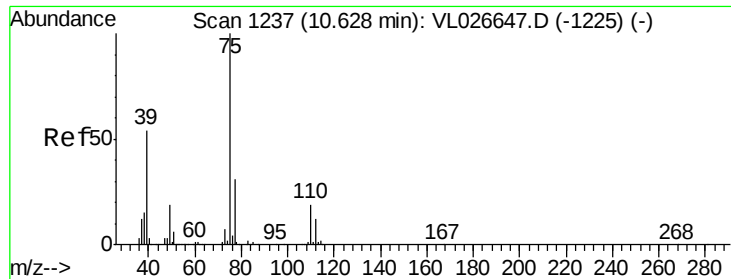
apatel
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#44
2,2,4-Trimethylpentane
Concen: 1.14 ppbv
RT: 9.06 min Scan# 979
Delta R.T. -0.01 min
Lab File: VL026649.D
Acq: 8 Jan 2016 16:44

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	30.0	26.9	40.3	
56	31.3	25.4	38.0	





#45

t-1,3-Dichloropropene

Concen: 0.83 ppbv

RT: 10.63 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VL026649.D

Acq: 8 Jan 2016 16:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 75 Resp: 157053

Ion Ratio Lower Upper

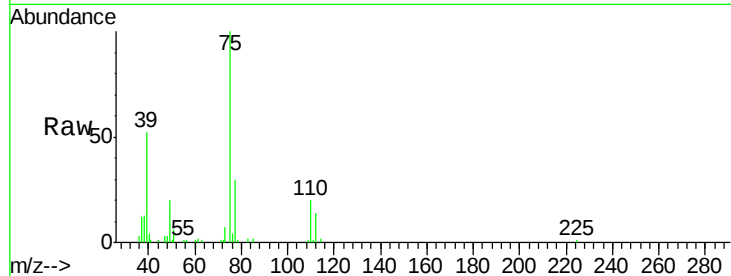
75 100

77 30.2 24.6 37.0

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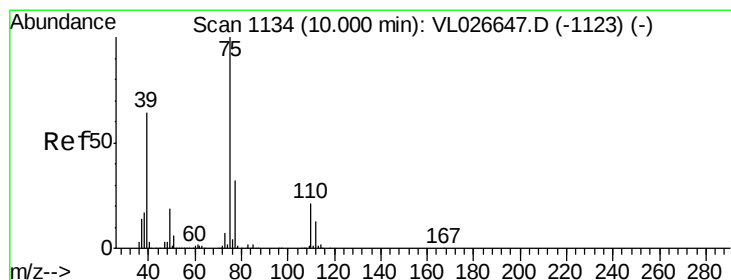
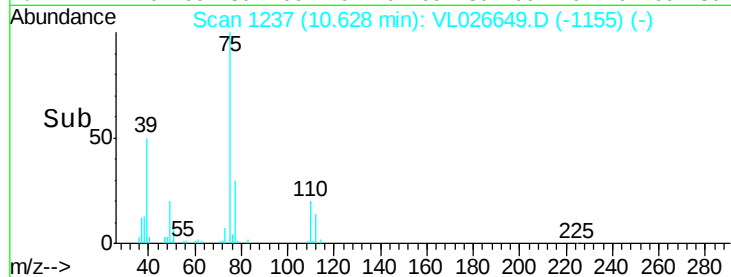
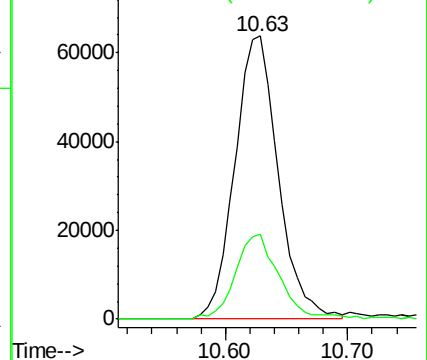
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Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#46

cis-1,3-Dichloropropene

Concen: 0.91 ppbv

RT: 9.99 min Scan# 1133

Delta R.T. -0.01 min

Lab File: VL026649.D

Acq: 8 Jan 2016 16:44

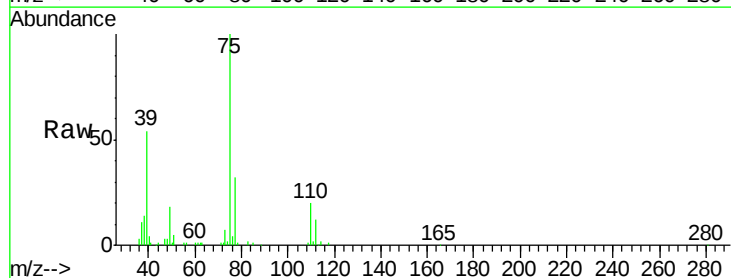
Tgt Ion: 75 Resp: 187233

Ion Ratio Lower Upper

75 100

39 53.8 51.2 76.8

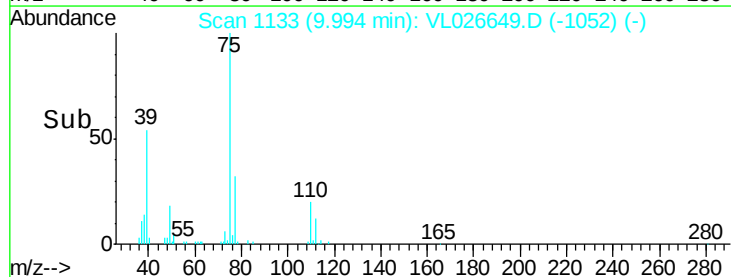
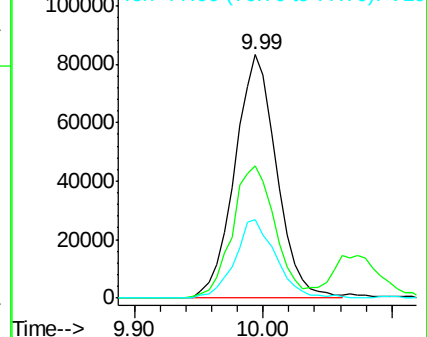
77 32.0 25.9 38.9

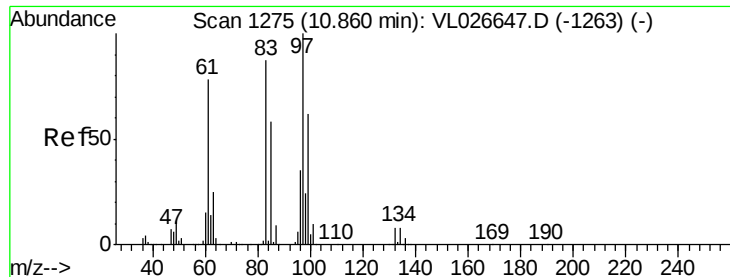


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0





#47

1,1,2-Trichloroethane

Concen: 1.12 ppbv

RT: 10.85 min Scan# 1273

Delta R.T. -0.01 min

Lab File: VL026649.D

Acq: 8 Jan 2016 16:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 97 Resp: 150266

Ion Ratio Lower Upper

97 100

83 85.6 69.5 104.3

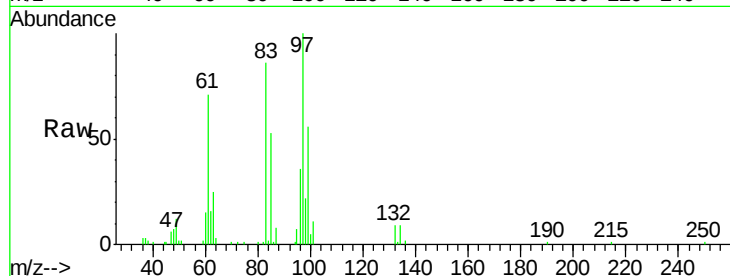
85 52.7 46.4 69.6

99 55.9 49.9 74.9

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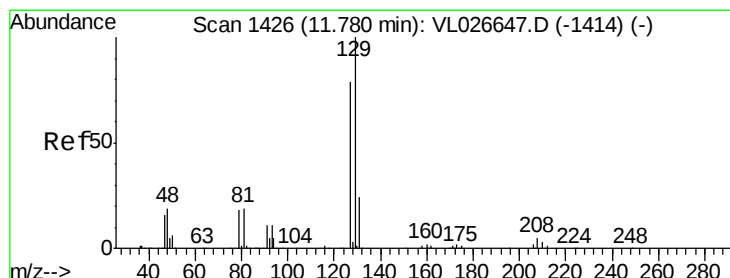
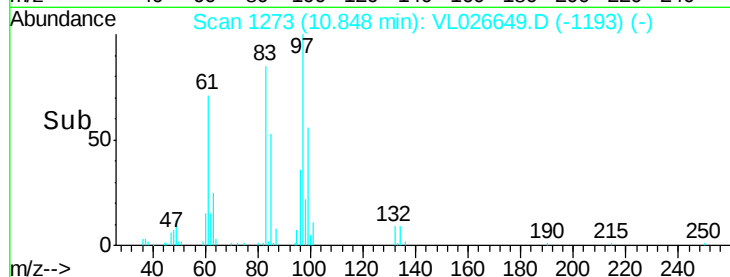
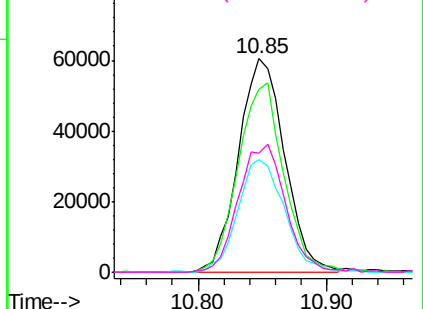


Abundance Ion 97.00 (96.70 to 97.70): VL0

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: 0.97 ppbv

RT: 11.77 min Scan# 1425

Delta R.T. -0.01 min

Lab File: VL026649.D

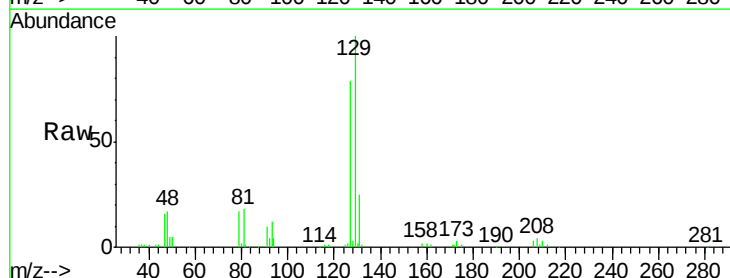
Acq: 8 Jan 2016 16:44

Tgt Ion: 129 Resp: 207010

Ion Ratio Lower Upper

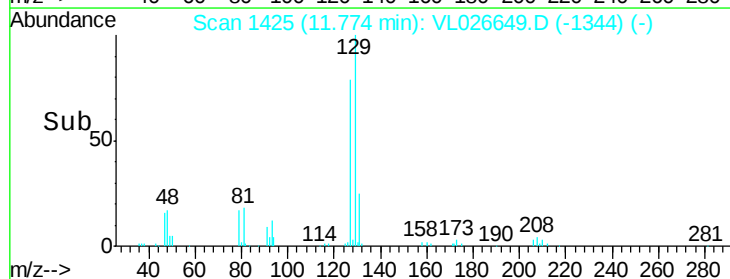
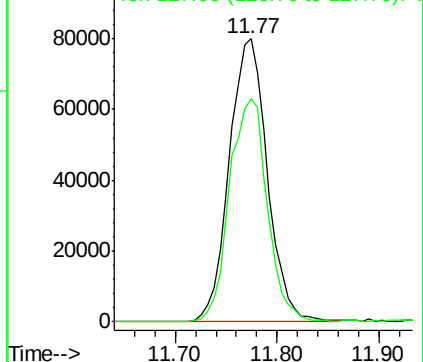
129 100

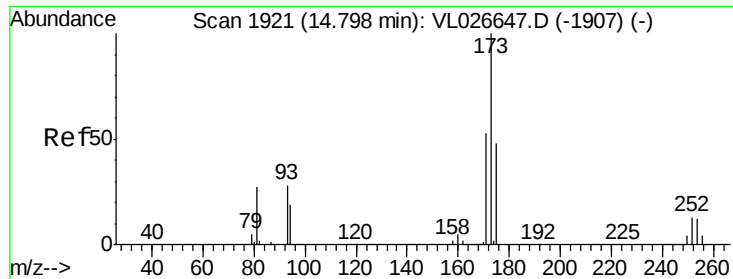
127 78.7 39.5 118.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 0.93 ppbv

RT: 14.79 min Scan# 1919

Delta R.T. -0.01 min

Lab File: VL026649.D

Acq: 8 Jan 2016 16:44

Instrument :

MSVOA_L

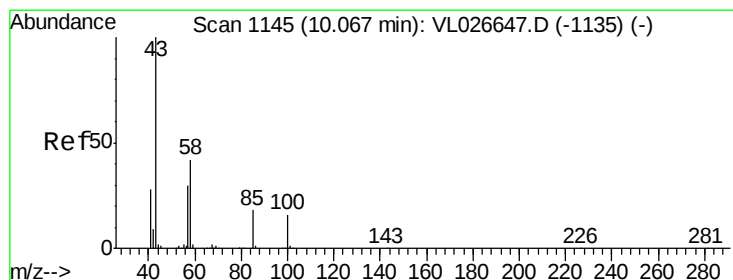
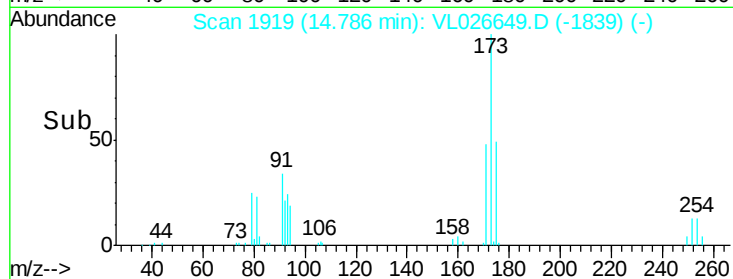
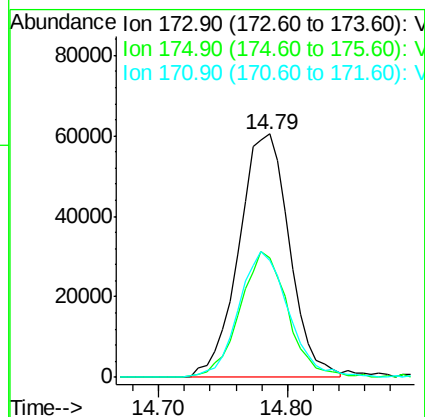
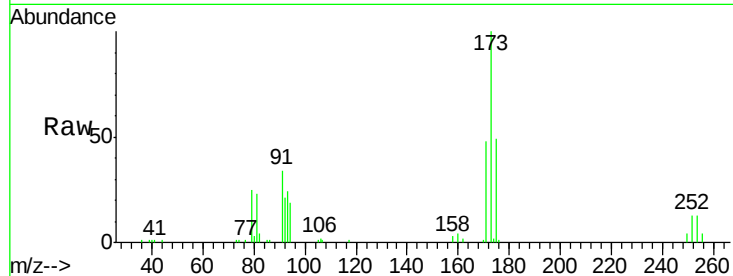
ClientSampleId :

VSTDIC001

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	38.6	57.8
171	51.0	41.5	62.3

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#50

4-Methyl-2-Pentanone

Concen: 1.01 ppbv

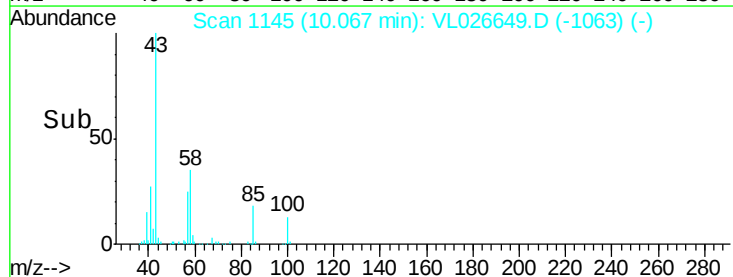
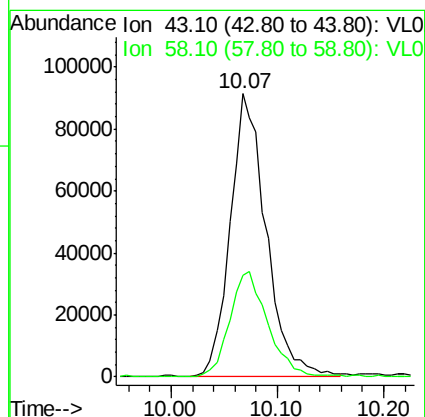
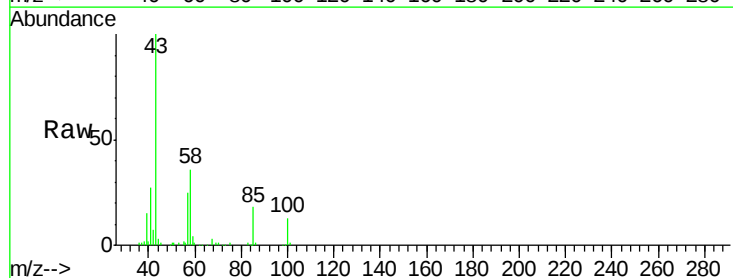
RT: 10.07 min Scan# 1145

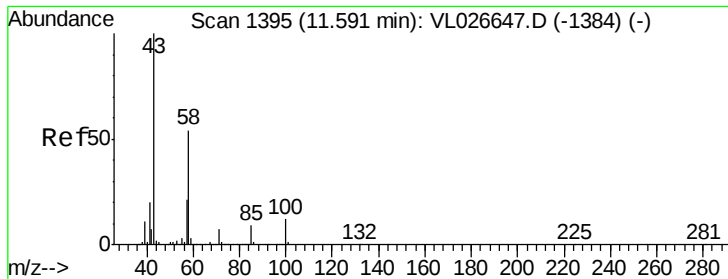
Delta R.T. 0.00 min

Lab File: VL026649.D

Acq: 8 Jan 2016 16:44

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.7	32.4	48.6





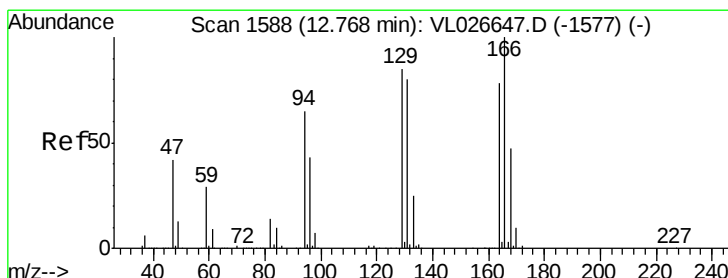
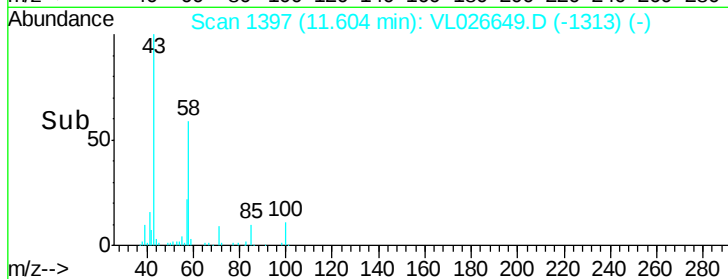
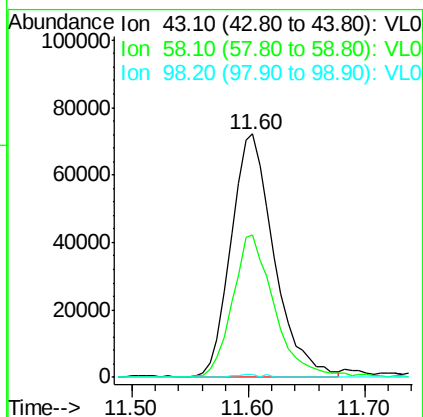
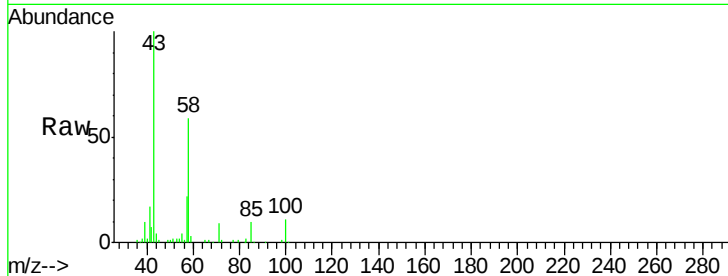
#51
2-Hexanone
Concen: 0.89 ppbv
RT: 11.60 min Scan# 1397
Delta R.T. 0.01 min
Lab File: VL026649.D
Acq: 8 Jan 2016 16:44

Instrument :
MSVOA_L
ClientSampled :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
43	100		
58	58.0	44.9	67.3
98	0.7	0.2	0.2

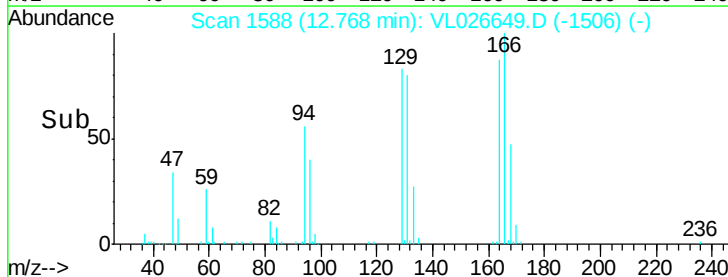
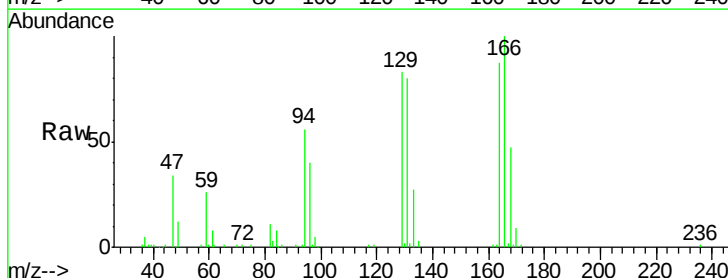
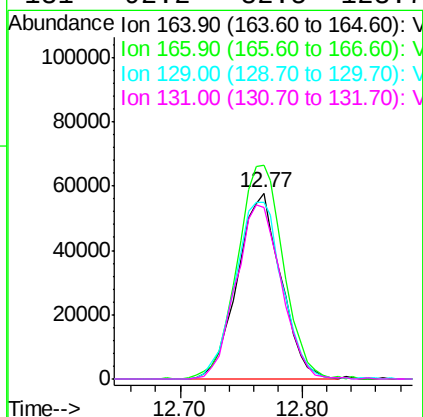
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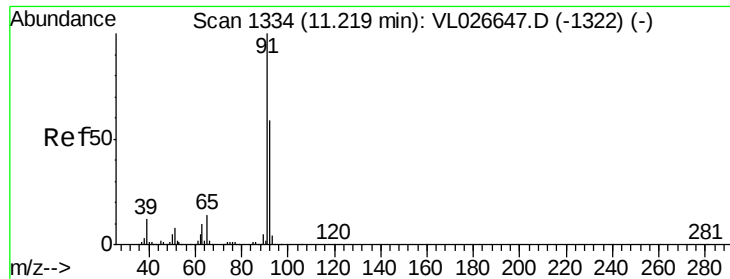
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#52
Tetrachloroethene
Concen: 1.17 ppbv
RT: 12.77 min Scan# 1588
Delta R.T. 0.00 min
Lab File: VL026649.D
Acq: 8 Jan 2016 16:44

Tgt Ion	Ratio	Lower	Upper
164	100		
166	114.3	102.5	153.7
129	95.2	87.0	130.6
131	92.2	82.5	123.7





#53

Toluene

Concen: 1.07 ppbv

RT: 11.21 min Scan# 1332

Delta R.T. -0.01 min

Lab File: VL026649.D

Acq: 8 Jan 2016 16:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 91 Resp: 424294

Ion Ratio Lower Upper

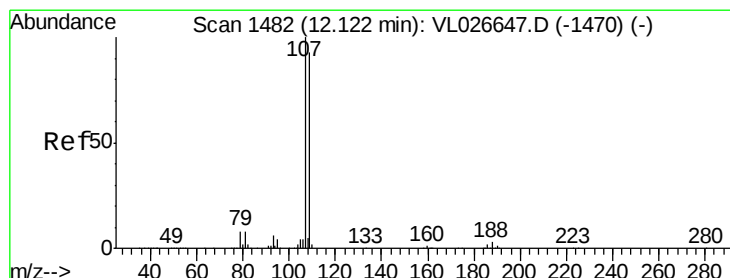
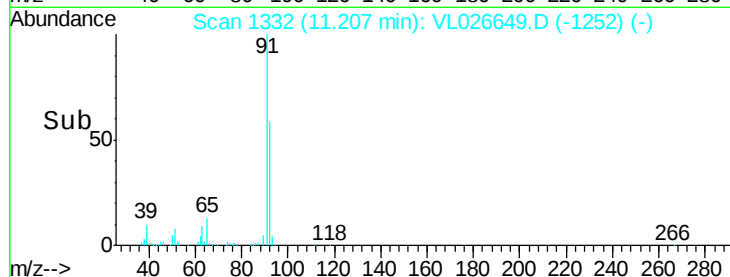
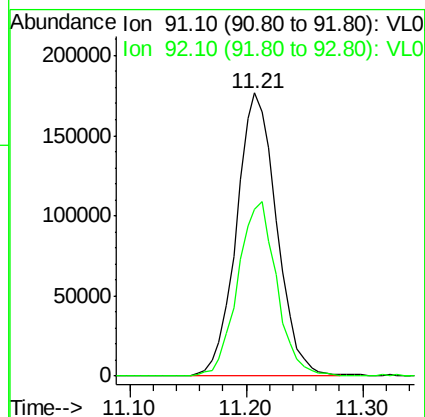
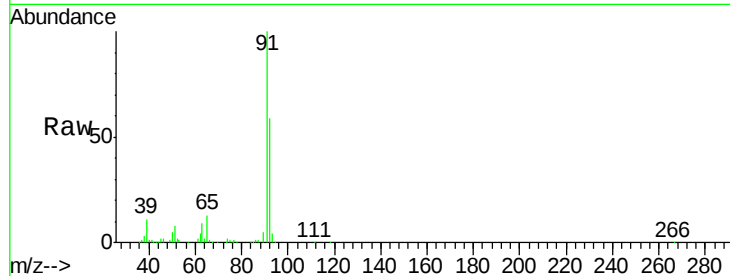
91 100

92 59.8 48.2 72.4

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#54

1,2-Dibromoethane

Concen: 1.09 ppbv

RT: 12.11 min Scan# 1480

Delta R.T. -0.01 min

Lab File: VL026649.D

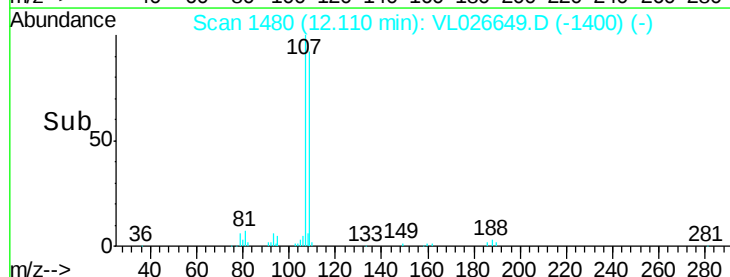
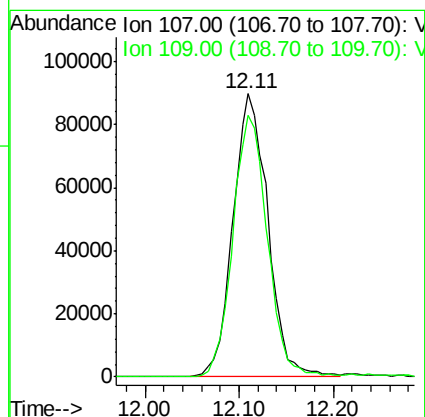
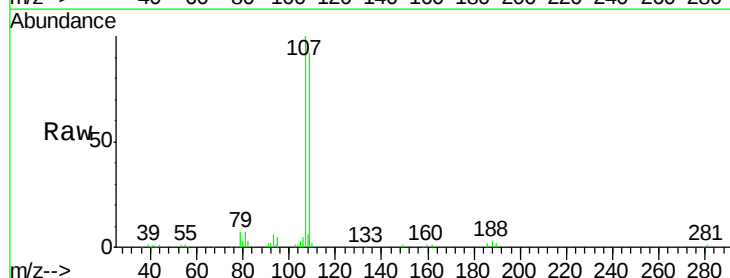
Acq: 8 Jan 2016 16:44

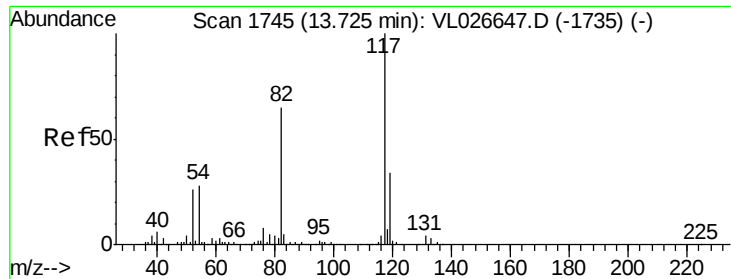
Tgt Ion: 107 Resp: 231538

Ion Ratio Lower Upper

107 100

109 92.2 74.1 111.1





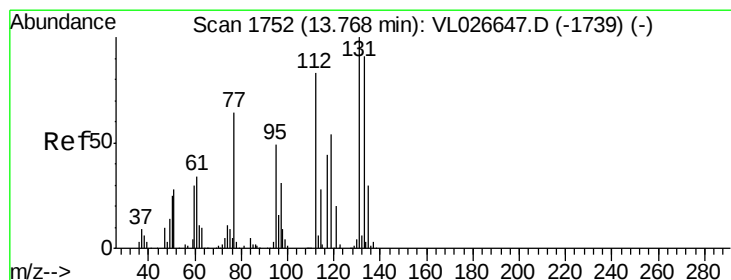
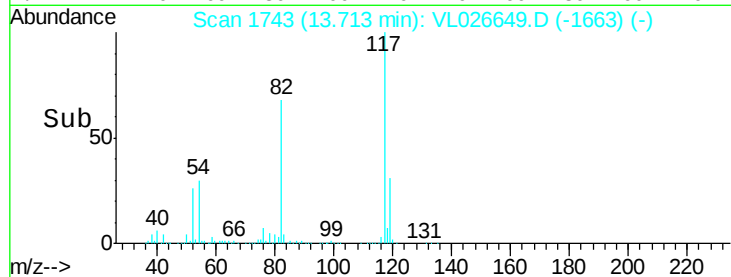
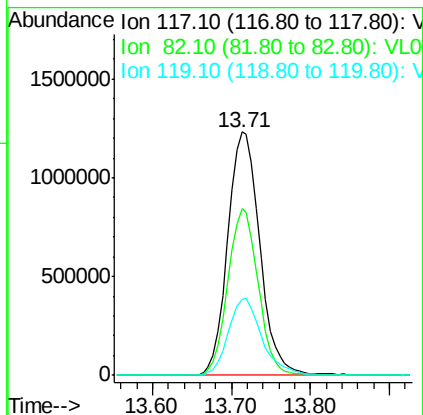
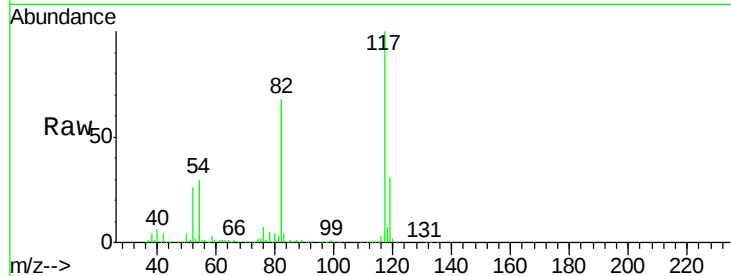
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 13.71 min Scan# 1743
Delta R.T. -0.01 min
Lab File: VL026649.D
Acq: 8 Jan 2016 16:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion:117 Resp: 3495127
Ion Ratio Lower Upper
117 100
82 65.4 52.4 78.6
119 33.6 46.1 69.1#

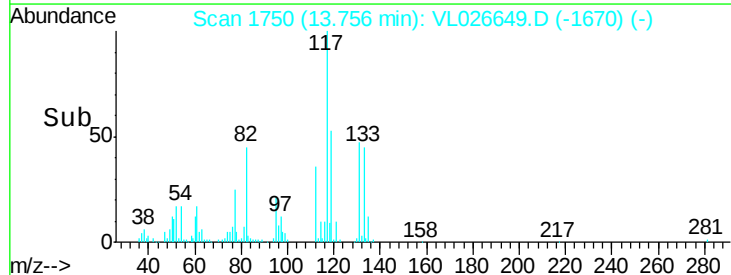
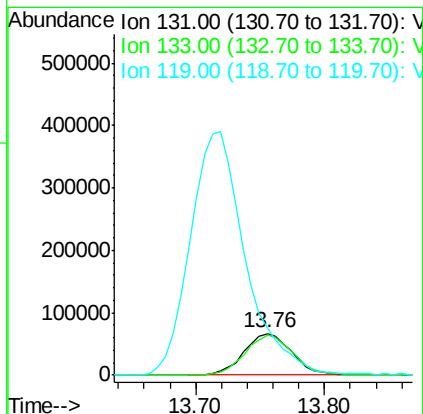
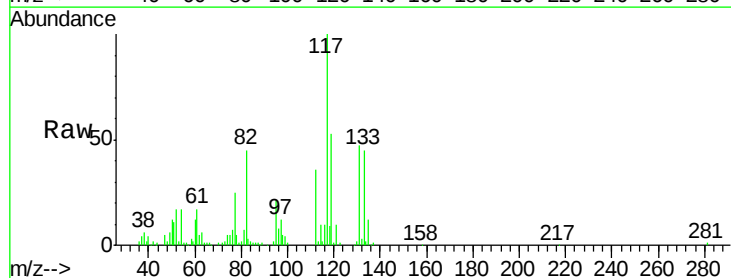
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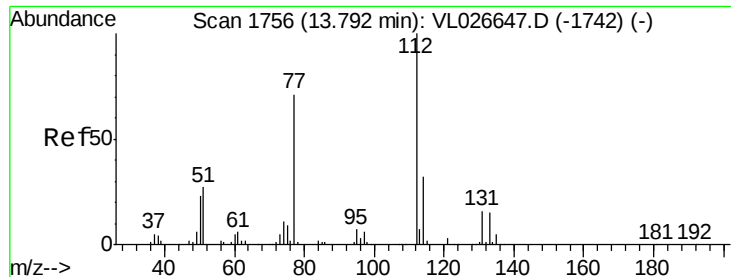
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#56
1,1,1,2-Tetrachloroethane
Concen: 1.10 ppbv
RT: 13.76 min Scan# 1750
Delta R.T. -0.01 min
Lab File: VL026649.D
Acq: 8 Jan 2016 16:44

Tgt Ion:131 Resp: 170290
Ion Ratio Lower Upper
131 100
133 97.3 76.2 114.4
119 688.7 104.3 156.5#





#57

Chlorobenzene

Concen: 1.23 ppbv

RT: 13.78 min Scan# 1754

Delta R.T. -0.01 min

Lab File: VL026649.D

Acq: 8 Jan 2016 16:44

Instrument :

MSVOA_L

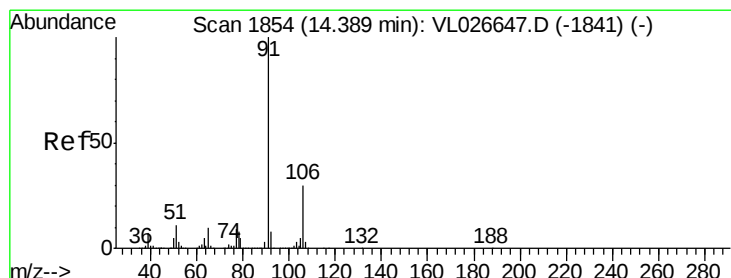
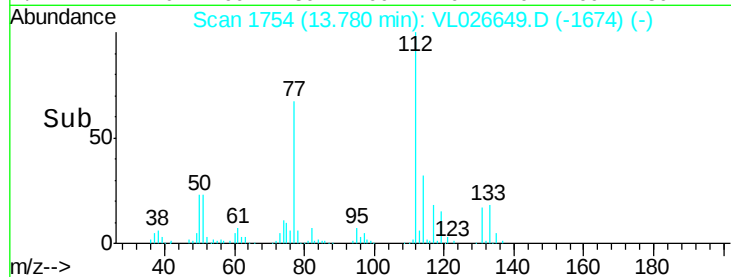
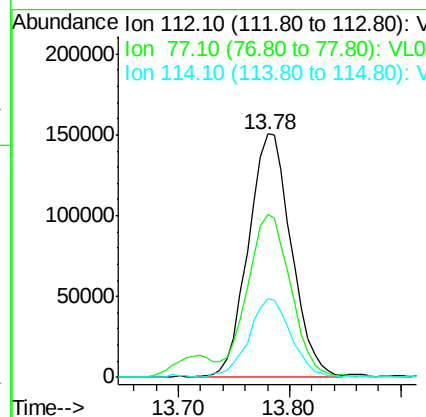
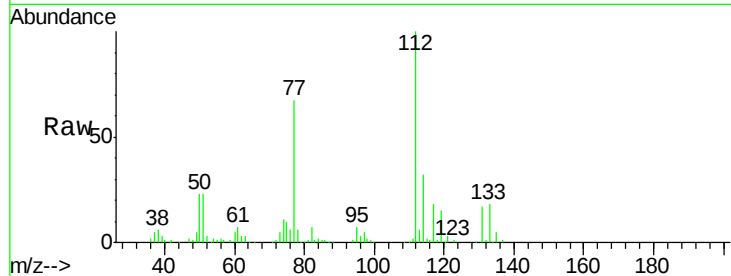
ClientSampleId :

VSTDIC001

Tot Ion:	112	Resp:	401934
Ion Ratio		Lower	Upper
112	100		
77	66.0	56.9	85.3
114	32.2	28.8	35.2

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#58

Ethyl Benzene

Concen: 1.08 ppbv

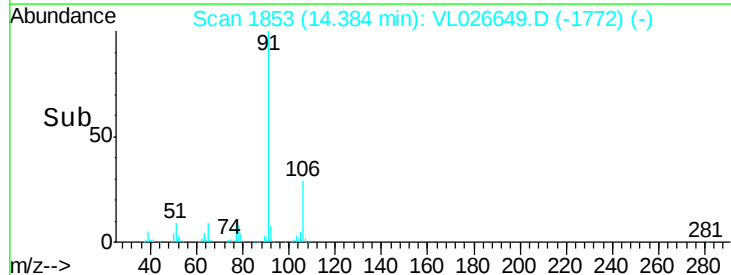
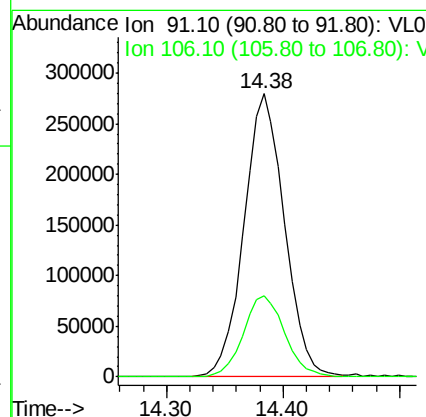
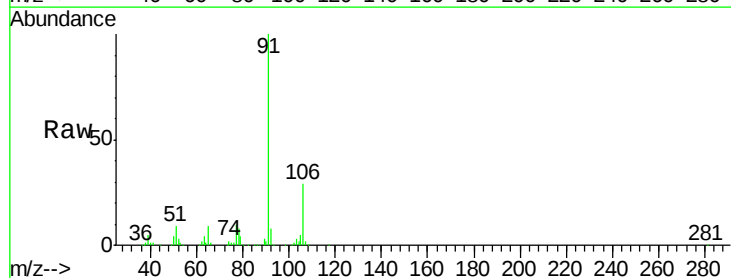
RT: 14.38 min Scan# 1853

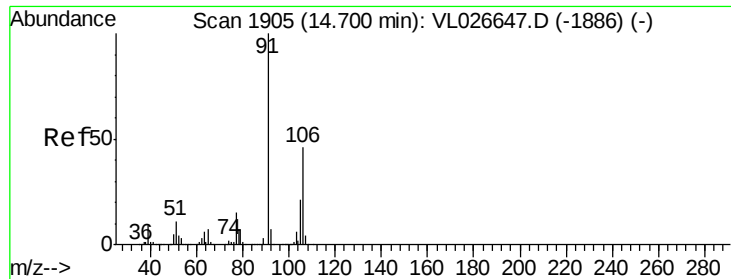
Delta R.T. -0.01 min

Lab File: VL026649.D

Acq: 8 Jan 2016 16:44

Tgt Ion:	91	Resp:	675464
Ion Ratio		Lower	Upper
91	100		
106	28.6	23.8	35.6





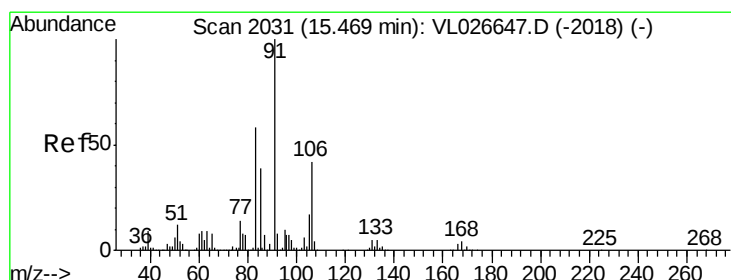
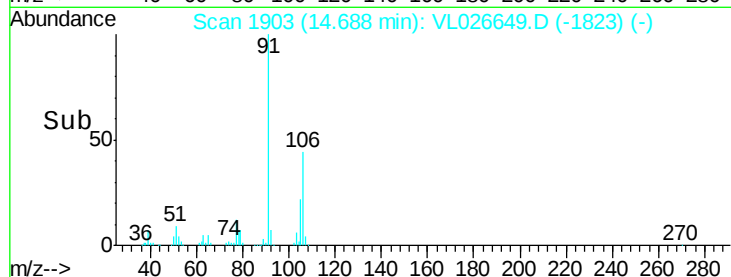
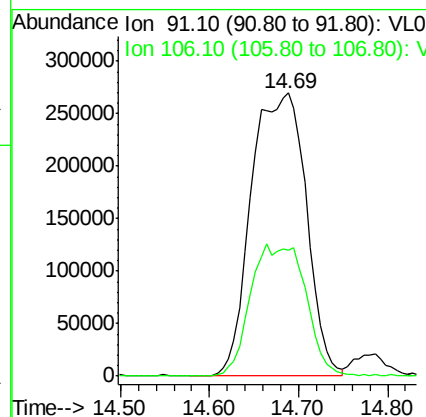
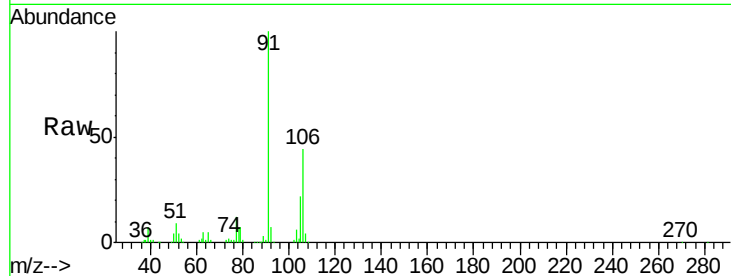
#59
m/p-Xylene
Concen: 2.38 ppbv m
RT: 14.69 min Scan# 1903
Delta R.T. -0.01 min
Lab File: VL026649.D
Acq: 8 Jan 2016 16:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion: 91 Resp: 1151738
Ion Ratio Lower Upper
91 100
106 0.0 36.6 55.0#

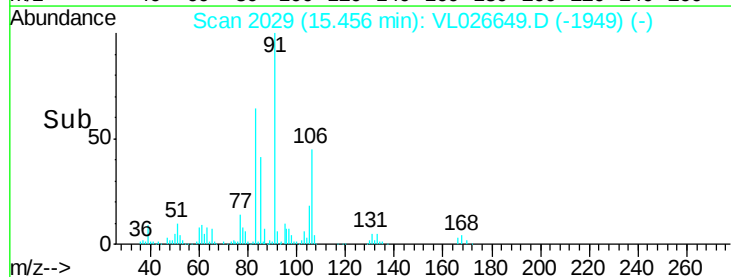
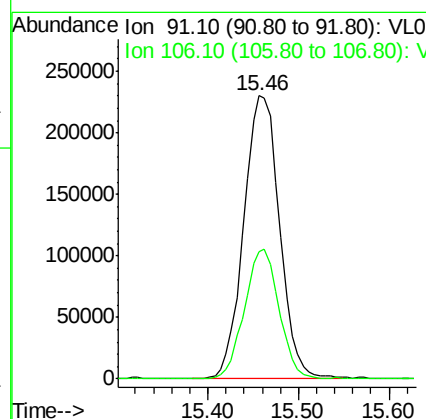
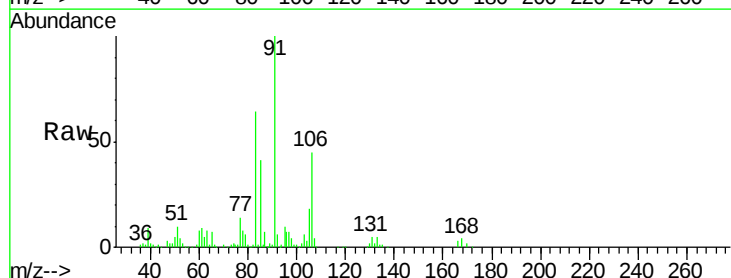
Manual Integrations
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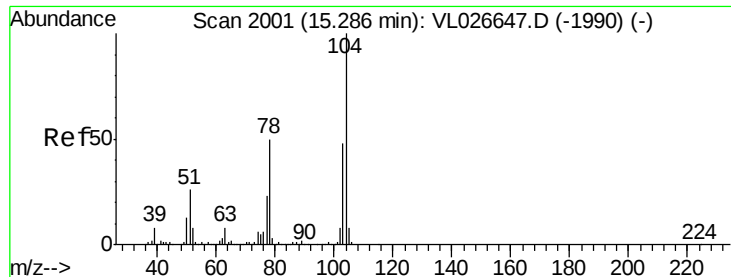
apatel
1/11/2016 4:59:52 PM



#60
o-Xylene
Concen: 1.26 ppbv
RT: 15.46 min Scan# 2029
Delta R.T. -0.01 min
Lab File: VL026649.D
Acq: 8 Jan 2016 16:44

Tgt Ion: 91 Resp: 630131
Ion Ratio Lower Upper
91 100
106 44.5 21.4 64.3





#61

Stvrene

Concen: 0.91 ppbv

RT: 15.28 min Scan# 2000

Delta R.T. -0.01 min

Lab File: VL026649.D

Acq: 8 Jan 2016 16:44

Instrument :

MSVOA_L

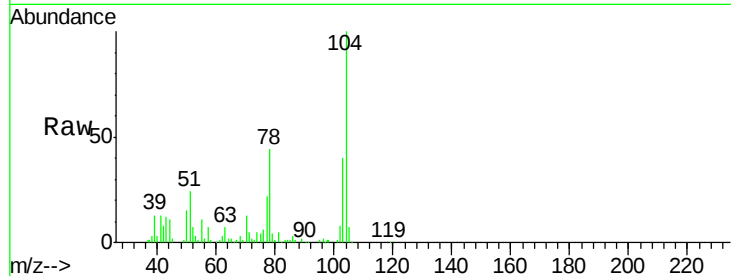
ClientSampleId :

VSTDIC001

Tot Ion	Ratio	Lower	Upper
104	100		
78	47.1	39.5	59.3
103	46.1	37.8	56.6

Manual Integrations
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apatel
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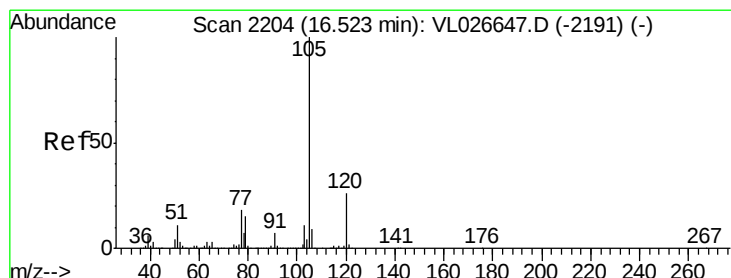
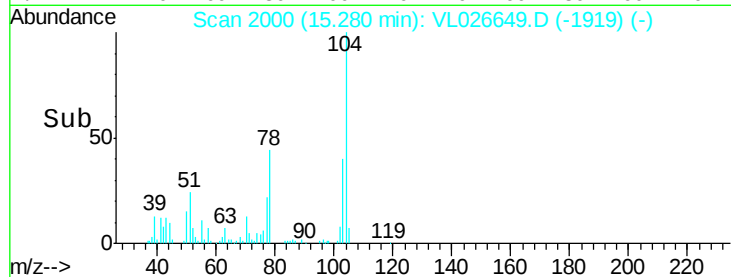
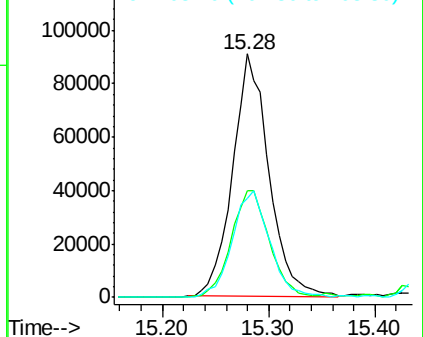


Abundance

Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): V

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 1.15 ppbv

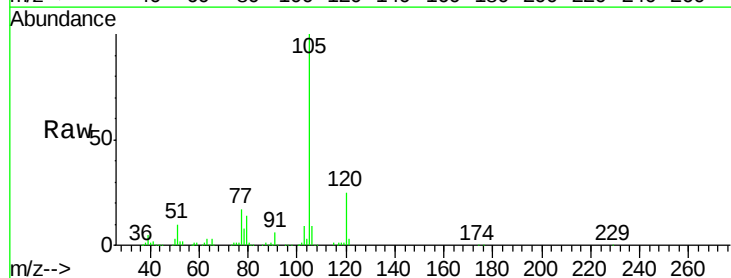
RT: 16.51 min Scan# 2202

Delta R.T. -0.01 min

Lab File: VL026649.D

Acq: 8 Jan 2016 16:44

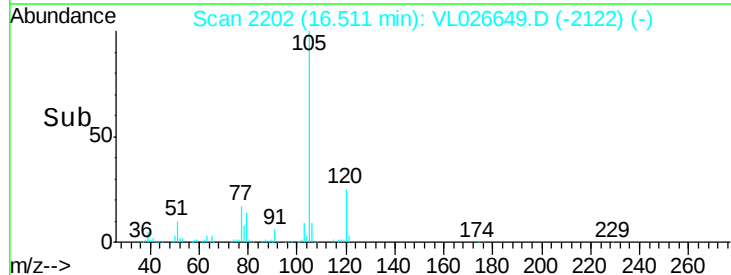
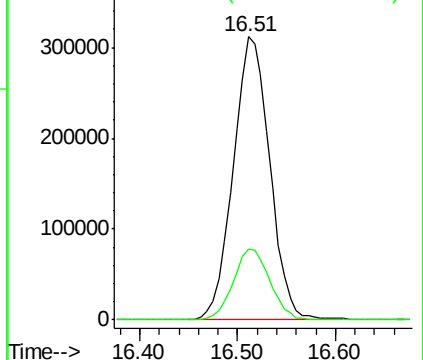
Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.1	20.3	30.5

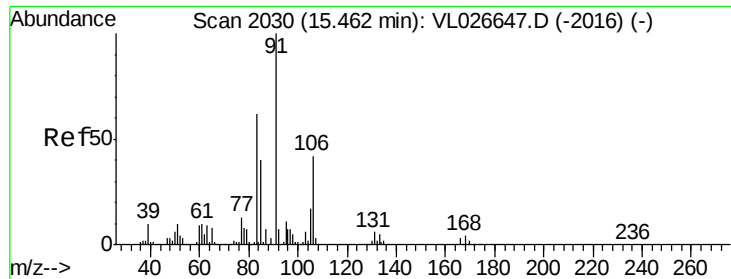


Abundance

Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





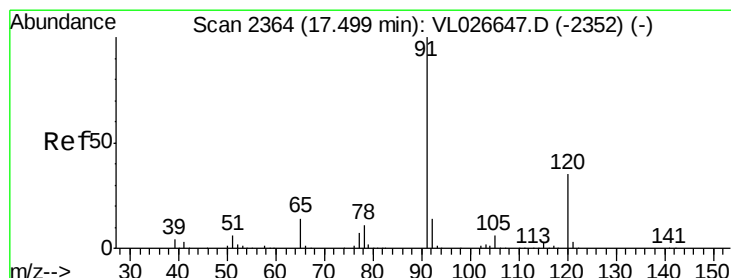
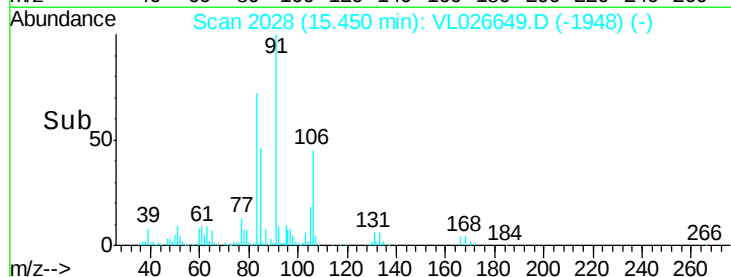
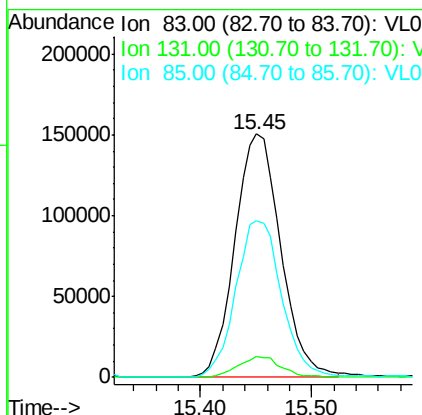
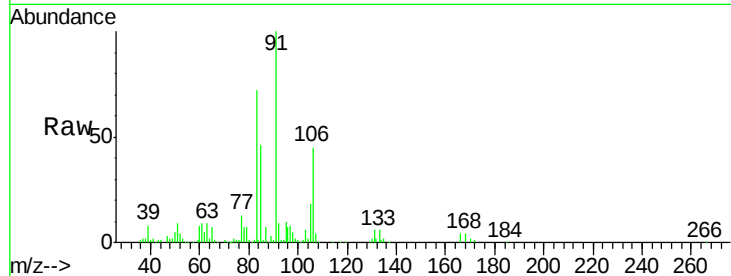
#63
 1,1,2,2-Tetrachloroethane
 Concen: 1.34 ppbv
 RT: 15.45 min Scan# 2028
 Delta R.T. -0.01 min
 Lab File: VL026649.D
 Acq: 8 Jan 2016 16:44

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
83	100		
131	8.1	4.5	13.4
85	65.5	32.6	97.7

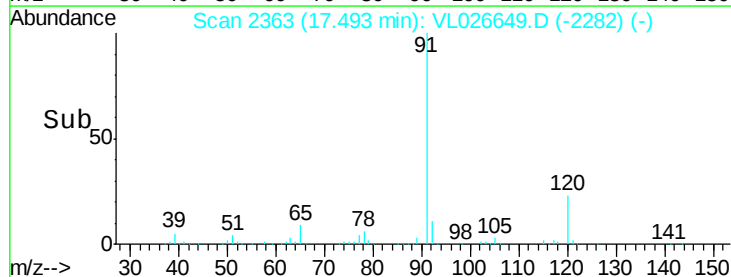
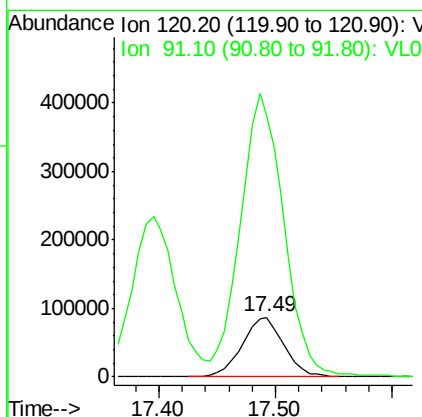
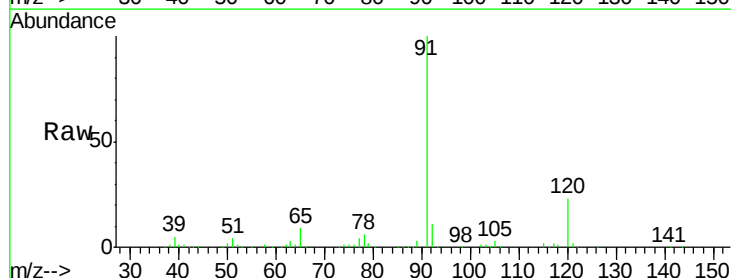
Manual Integrations
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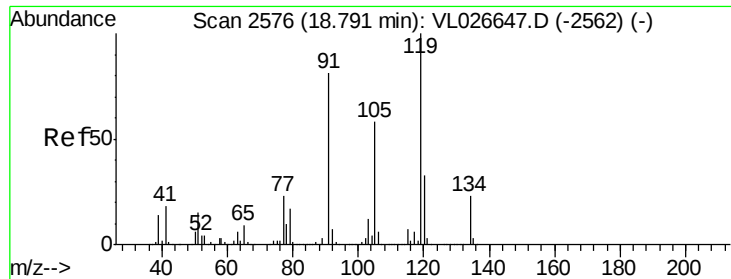
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#64
 n-propylbenzene
 Concen: 1.18 ppbv
 RT: 17.49 min Scan# 2363
 Delta R.T. -0.01 min
 Lab File: VL026649.D
 Acq: 8 Jan 2016 16:44

Tgt Ion	Ratio	Lower	Upper
120	100		
91	490.3	380.9	571.3





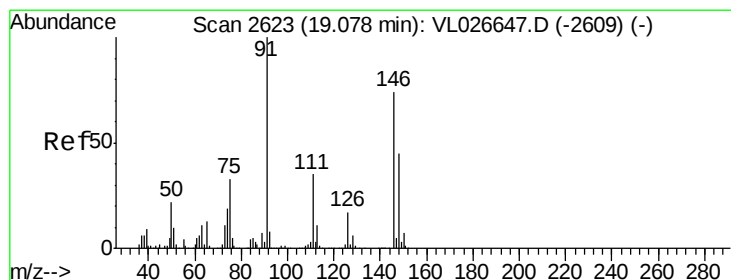
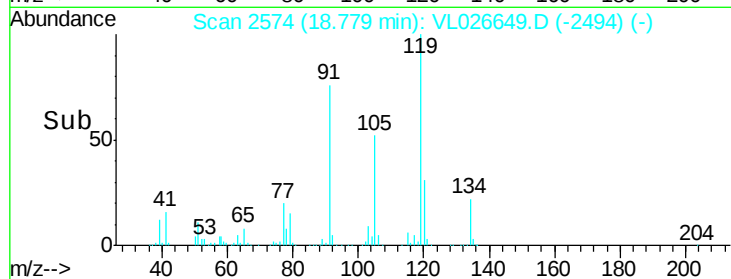
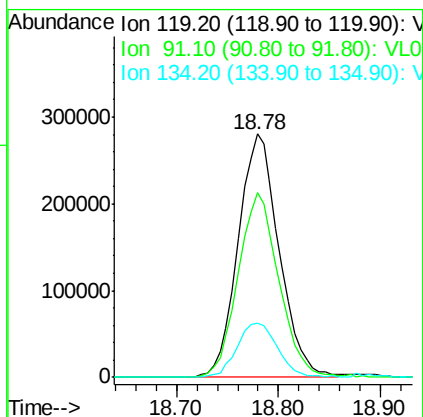
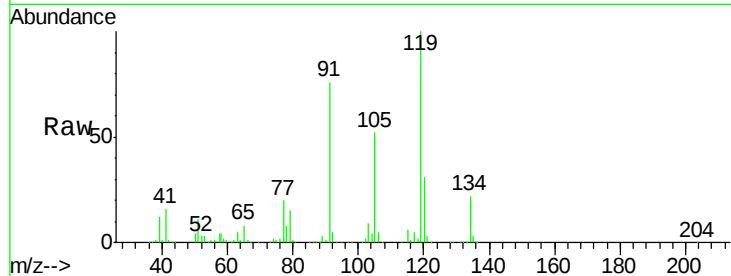
#65
 tert-Butylbenzene
 Concen: 1.35 ppbv
 RT: 18.78 min Scan# 2574
 Delta R.T. -0.01 min
 Lab File: VL026649.D
 Acq: 8 Jan 2016 16:44

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
119	100	781971		
91	76.5		64.8	97.2
134	22.2		17.4	26.0

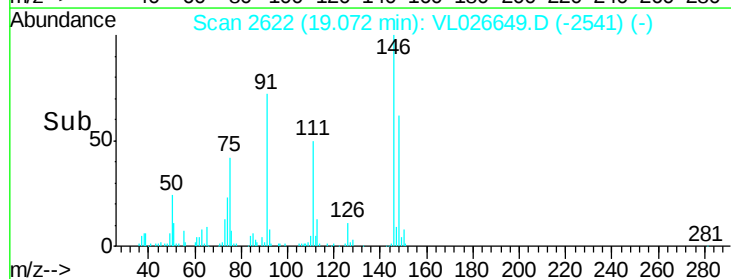
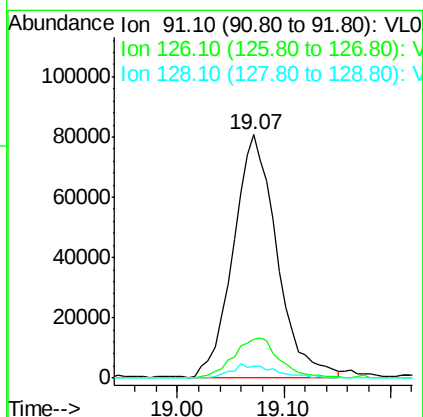
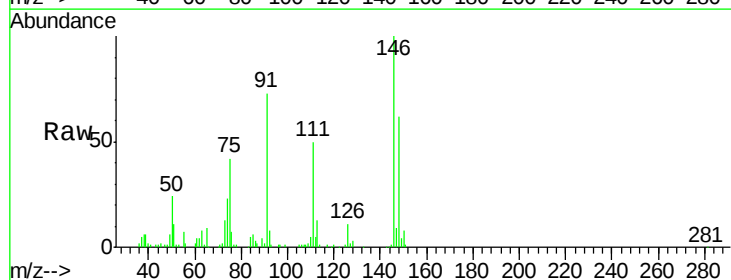
Manual Integrations
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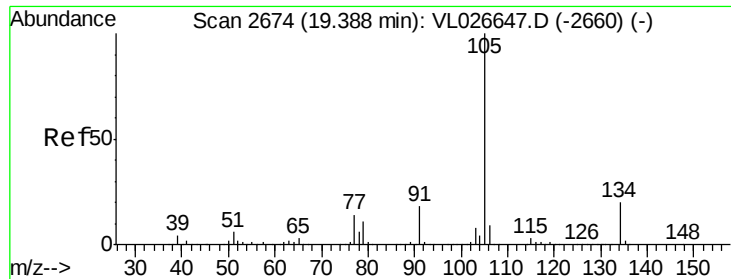
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#66
 Benzyl Chloride
 Concen: 0.86 ppbv
 RT: 19.07 min Scan# 2622
 Delta R.T. -0.01 min
 Lab File: VL026649.D
 Acq: 8 Jan 2016 16:44

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	232765		
126	17.5		14.2	21.2
128	5.6		4.5	6.7





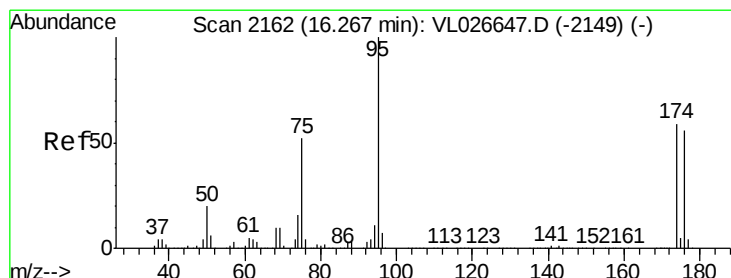
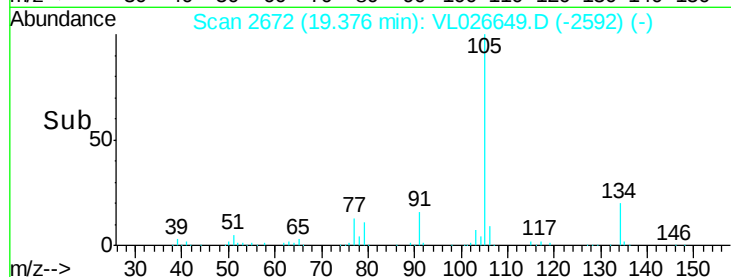
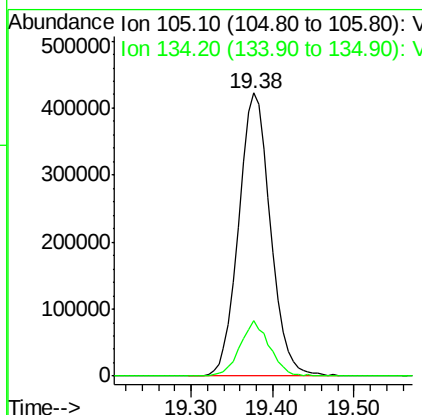
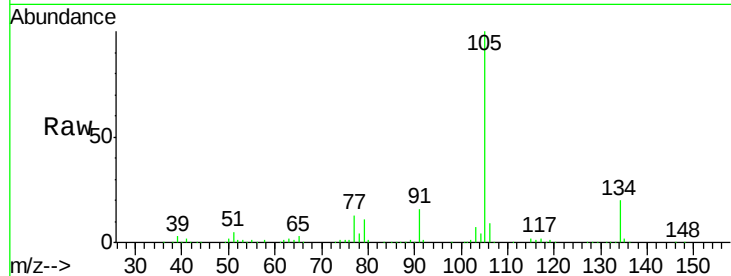
#67
 sec-Butylbenzene
 Concen: 1.27 ppbv
 RT: 19.38 min Scan# 2672
 Delta R.T. -0.01 min
 Lab File: VL026649.D
 Acq: 8 Jan 2016 16:44

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion: 105 Resp: 1143613
 Ion Ratio Lower Upper
 105 100
 134 18.2 14.9 22.3

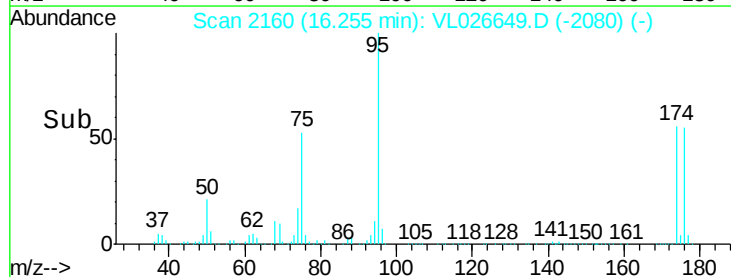
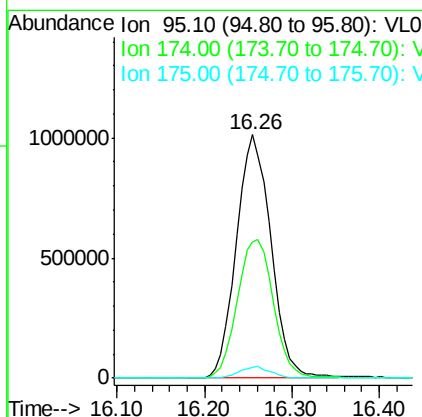
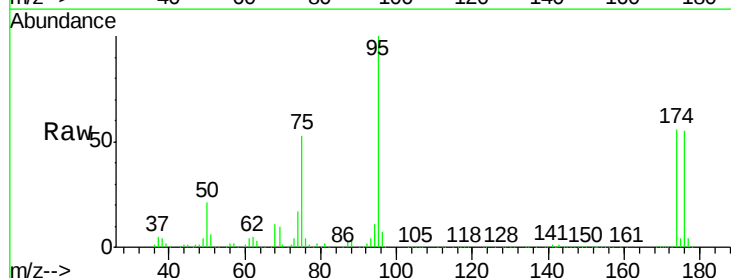
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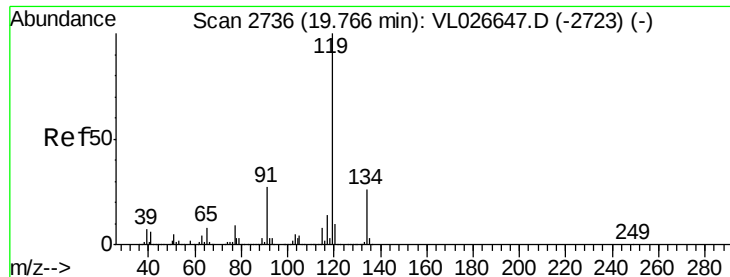
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.90 ppbv
 RT: 16.26 min Scan# 2160
 Delta R.T. -0.01 min
 Lab File: VL026649.D
 Acq: 8 Jan 2016 16:44

Tgt Ion: 95 Resp: 2789647
 Ion Ratio Lower Upper
 95 100
 174 59.8 47.8 71.6
 175 4.3 3.5 5.3





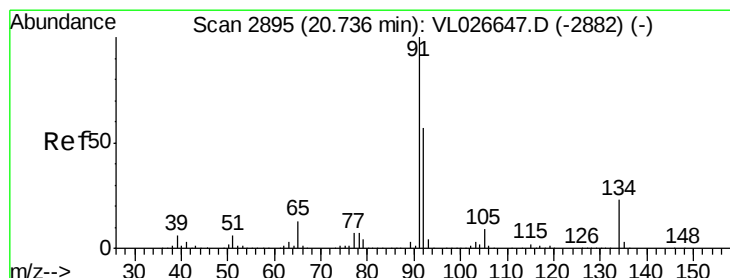
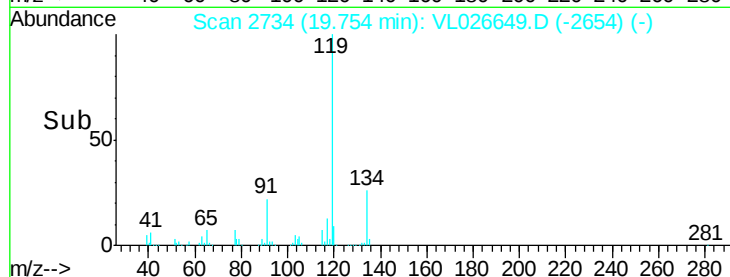
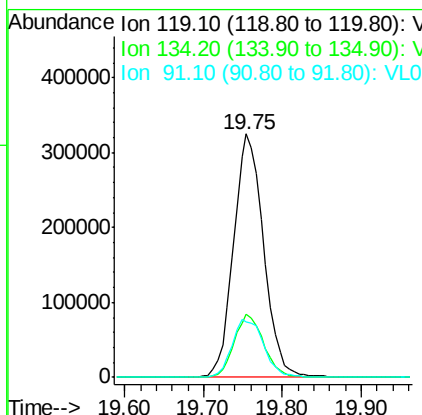
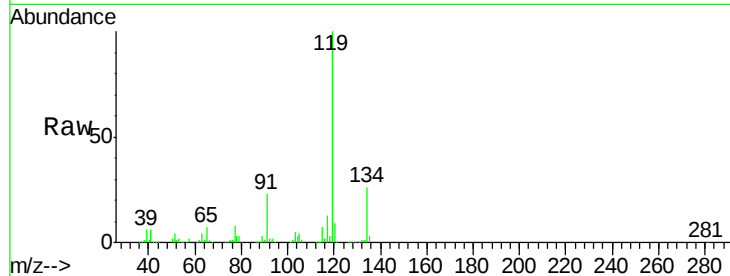
#69
 p-Isopropyltoluene
 Concen: 1.21 ppbv
 RT: 19.75 min Scan# 2734
 Delta R.T. -0.01 min
 Lab File: VL026649.D
 Acq: 8 Jan 2016 16:44

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
119	100	862113		
134	25.5	20.6	31.0	
91	25.2	21.8	32.6	

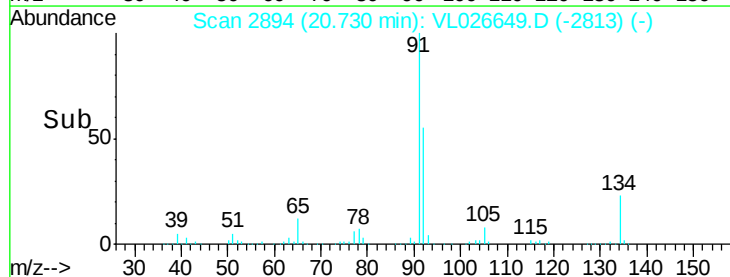
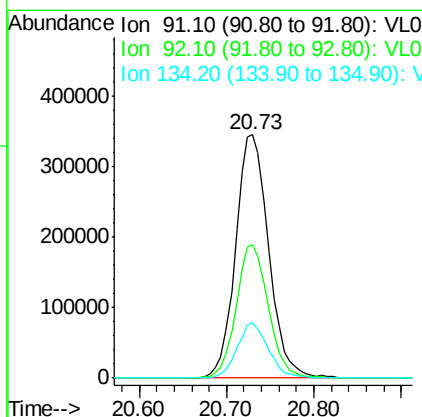
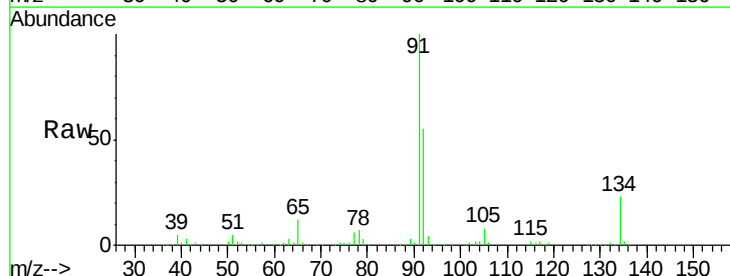
Manual Integrations
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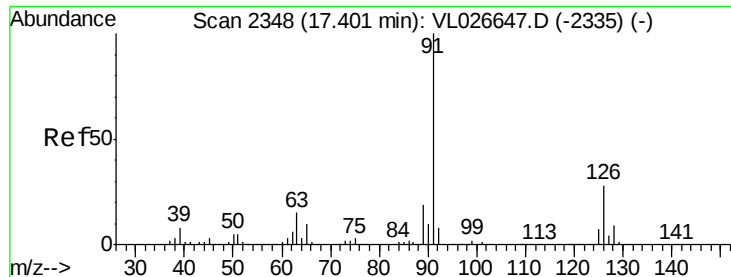
apatel
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#70
 n-Butylbenzene
 Concen: 1.21 ppbv
 RT: 20.73 min Scan# 2894
 Delta R.T. -0.01 min
 Lab File: VL026649.D
 Acq: 8 Jan 2016 16:44

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	907395		
92	53.8	45.0	67.6	
134	21.7	18.2	27.2	





#71

2-Chlorotoluene

Concen: 1.10 ppbv

RT: 17.40 min Scan# 2347

Delta R.T. -0.01 min

Lab File: VL026649.D

Acq: 8 Jan 2016 16:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 91 Resp: 623191

Ion Ratio Lower Upper

91 100

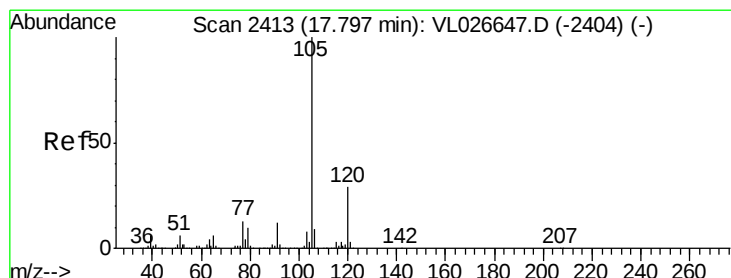
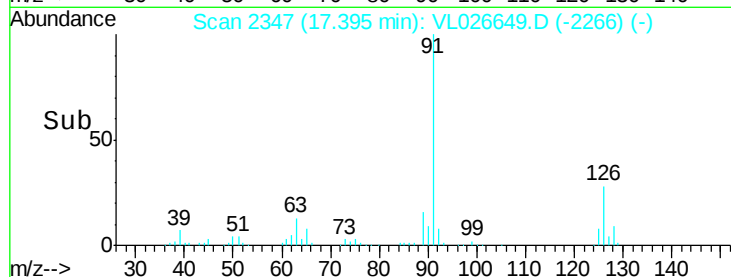
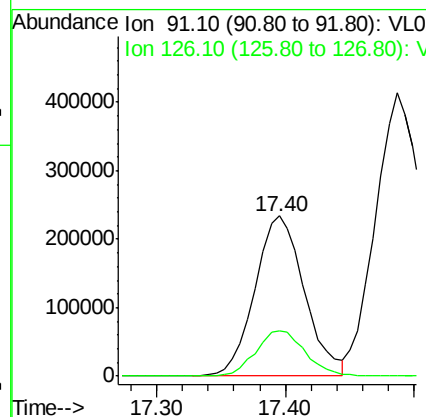
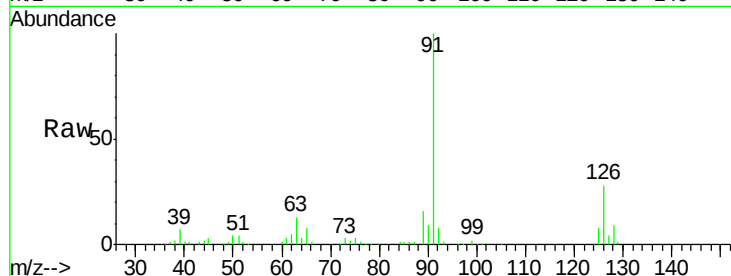
126 28.8 11.4 45.8

Manual Integrations

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#72

4-Ethyltoluene

Concen: 1.12 ppbv

RT: 17.79 min Scan# 2411

Delta R.T. -0.01 min

Lab File: VL026649.D

Acq: 8 Jan 2016 16:44

Tgt Ion: 105 Resp: 682198

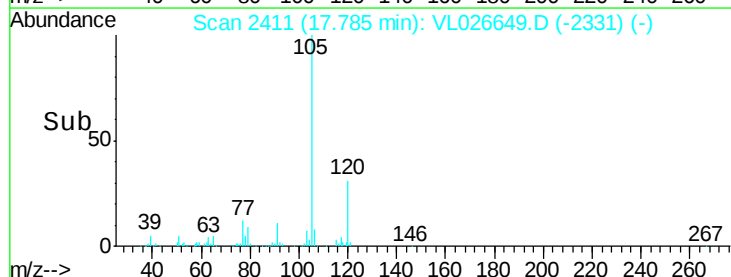
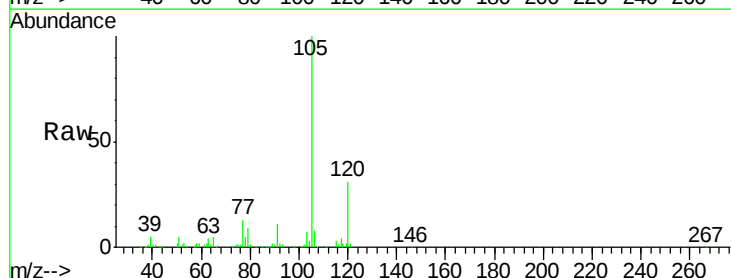
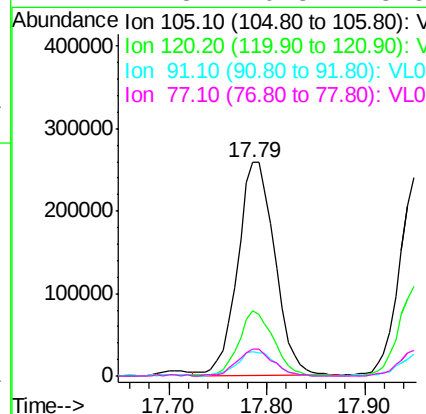
Ion Ratio Lower Upper

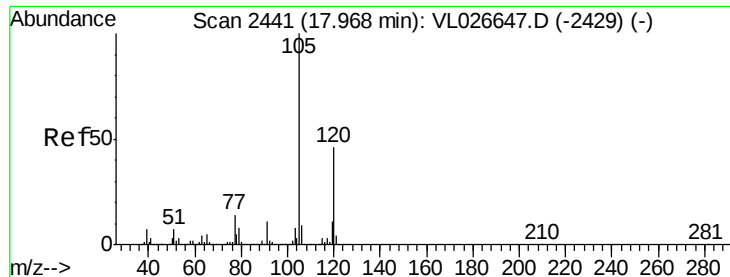
105 100

120 30.1 23.8 35.6

91 10.9 9.5 14.3

77 12.8 10.3 15.5





#73

1,3,5-Trimethylbenzene

Concen: 1.15 ppbv

RT: 17.96 min Scan# 2439

Delta R.T. -0.01 min

Lab File: VL026649.D

Acq: 8 Jan 2016 16:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion:105 Resp: 645453

Ion Ratio Lower Upper

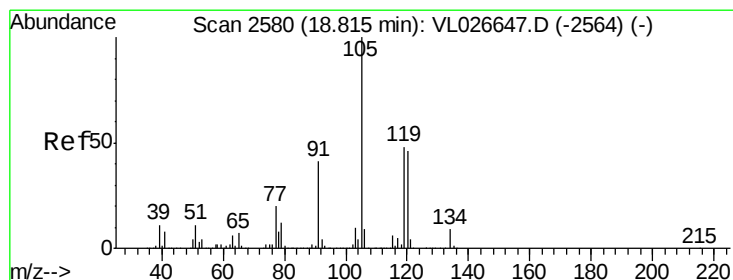
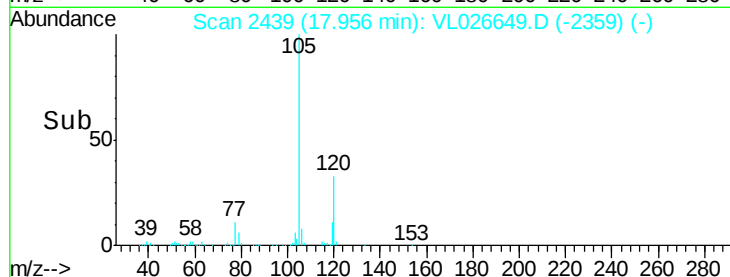
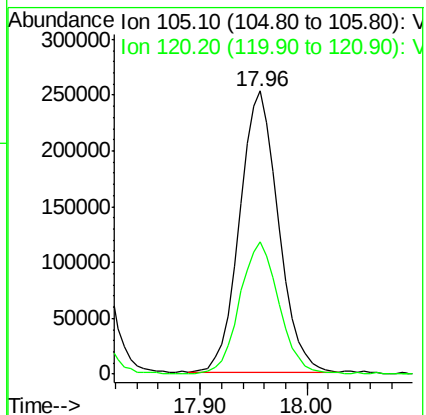
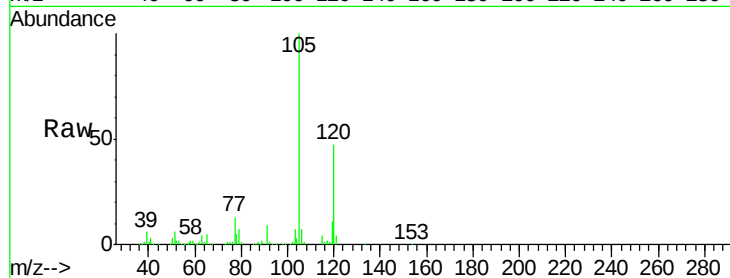
105 100

120 46.6 36.6 54.8

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#74

1,2,4-Trimethylbenzene

Concen: 1.36 ppbv

RT: 18.80 min Scan# 2577

Delta R.T. -0.02 min

Lab File: VL026649.D

Acq: 8 Jan 2016 16:44

Tgt Ion:105 Resp: 740833

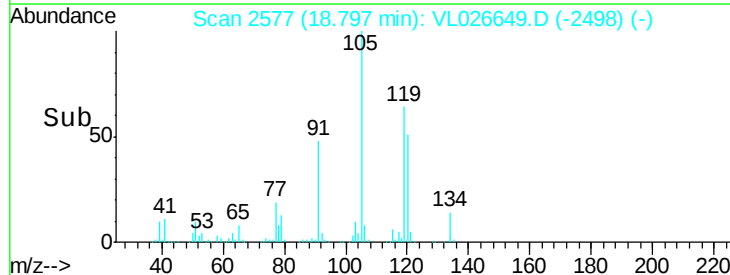
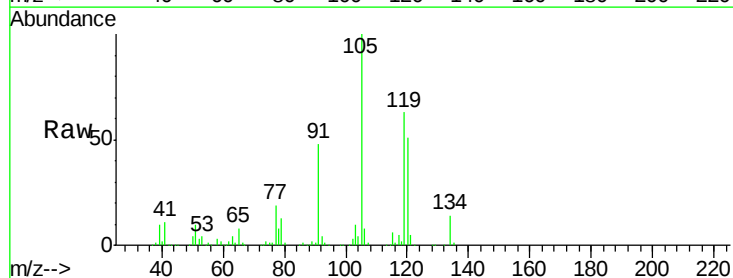
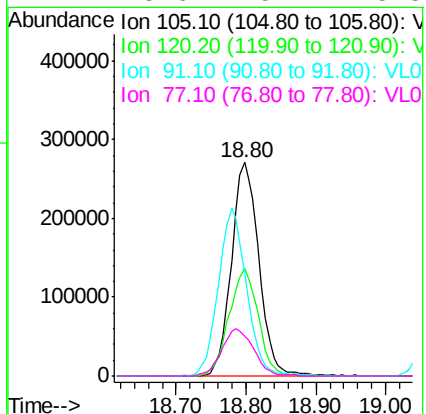
Ion Ratio Lower Upper

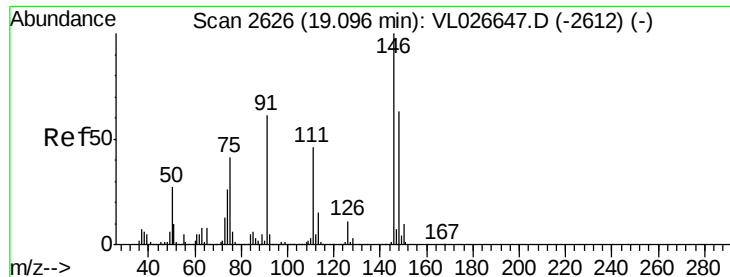
105 100

120 50.4 36.6 55.0

91 47.9 32.5 48.7

77 18.6 15.7 23.5





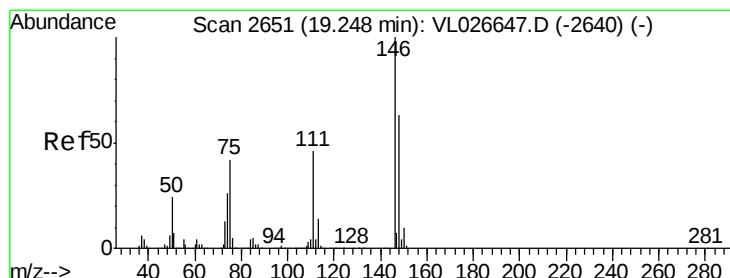
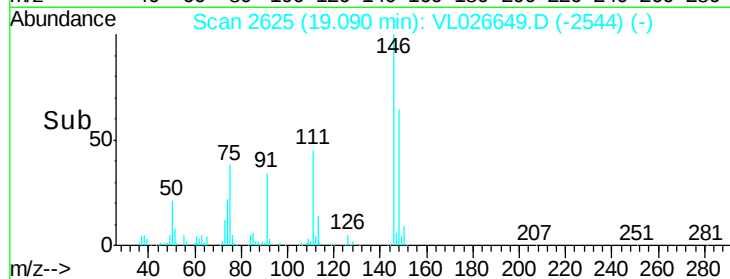
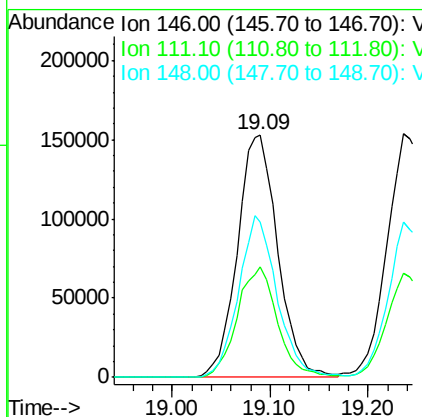
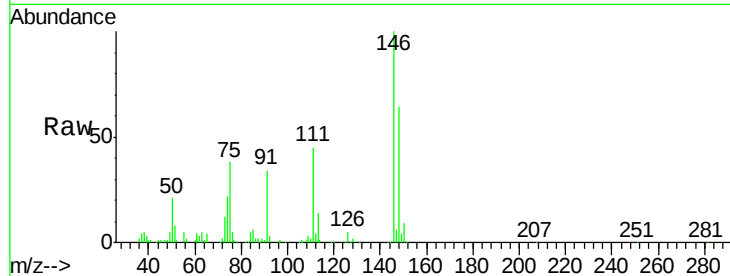
#75
 1,3-Dichlorobenzene
 Concen: 1.29 ppbv
 RT: 19.09 min Scan# 2625
 Delta R.T. -0.01 min
 Lab File: VL026649.D
 Acq: 8 Jan 2016 16:44

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.3	22.9	68.5
148	63.7	31.6	95.0

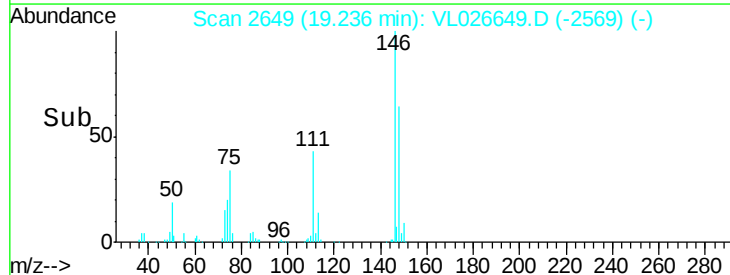
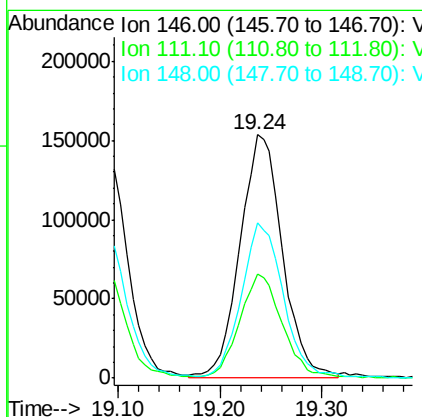
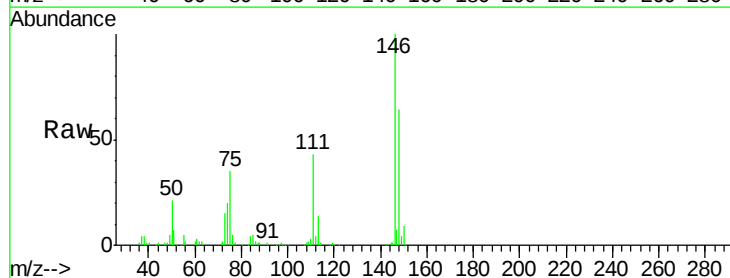
Manual Integrations
 APPROVED

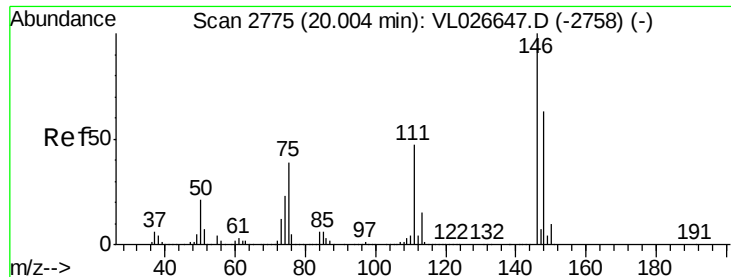
apatel
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#76
 1,4-Dichlorobenzene
 Concen: 1.24 ppbv
 RT: 19.24 min Scan# 2649
 Delta R.T. -0.01 min
 Lab File: VL026649.D
 Acq: 8 Jan 2016 16:44

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.0	22.3	66.8
148	64.5	31.9	95.9





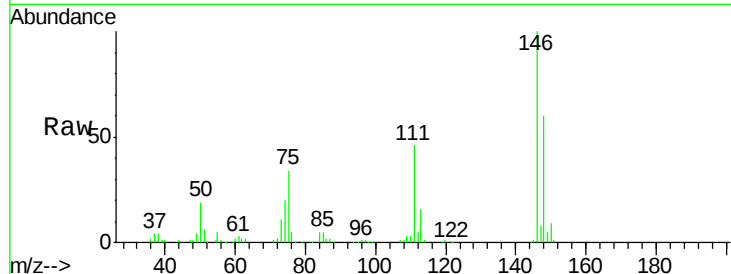
#77
 1,2-Dichlorobenzene
 Concen: 1.23 ppbv
 RT: 19.99 min Scan# 2773
 Delta R.T. -0.01 min
 Lab File: VL026649.D
 Acq: 8 Jan 2016 16:44

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

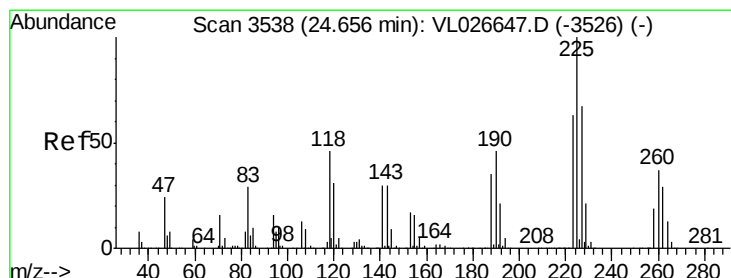
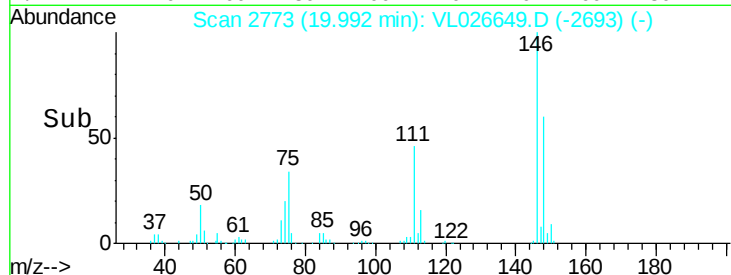
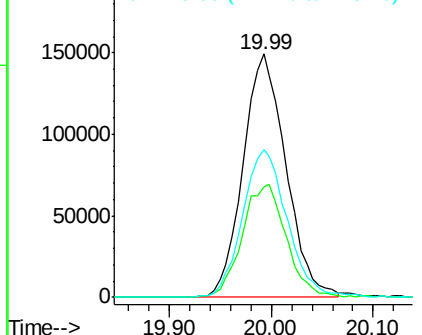
Tot Ion	Ratio	Lower	Upper
146	100		
111	48.2	23.7	71.1
148	63.5	31.1	93.5

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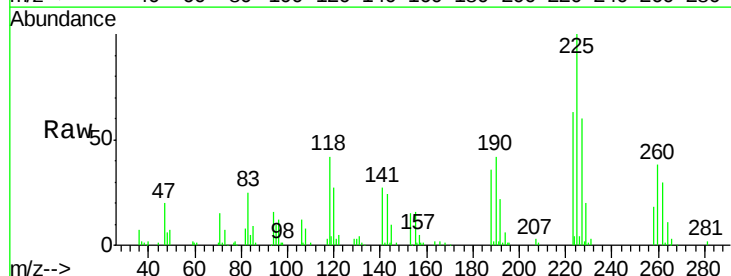


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V

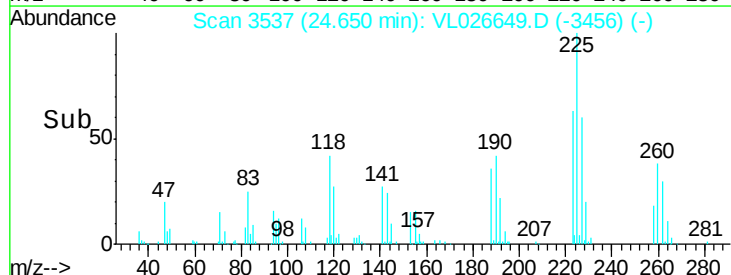
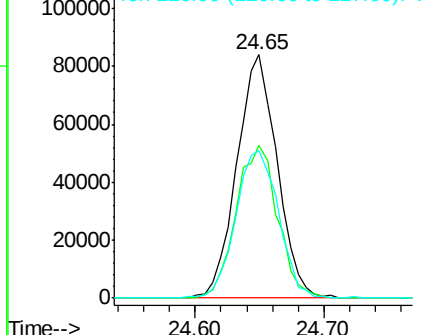


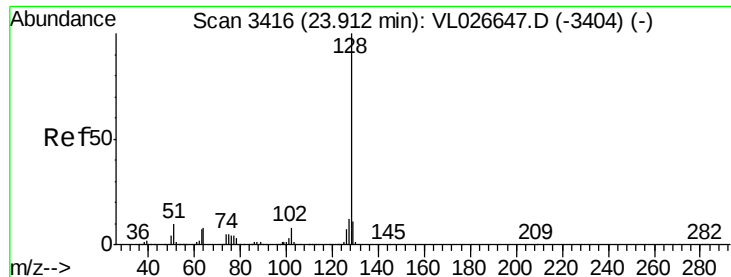
#78
 Hexachloro-1,3-Butadiene
 Concen: 1.28 ppbv
 RT: 24.65 min Scan# 3537
 Delta R.T. -0.01 min
 Lab File: VL026649.D
 Acq: 8 Jan 2016 16:44

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.7	50.0	75.0
227	64.3	51.1	76.7



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: 1.06 ppbv

RT: 23.91 min Scan# 3416

Delta R.T. 0.00 min

Lab File: VL026649.D

Acq: 8 Jan 2016 16:44

Instrument :

MSVOA_L

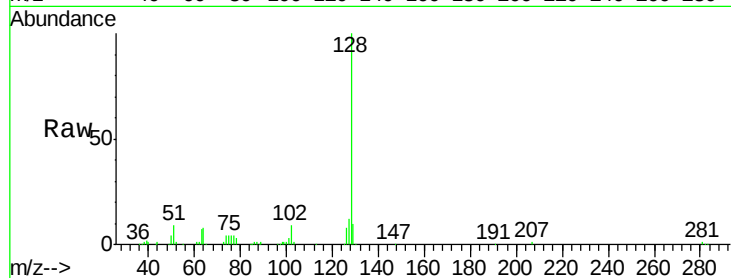
ClientSampleId :

VSTDIC001

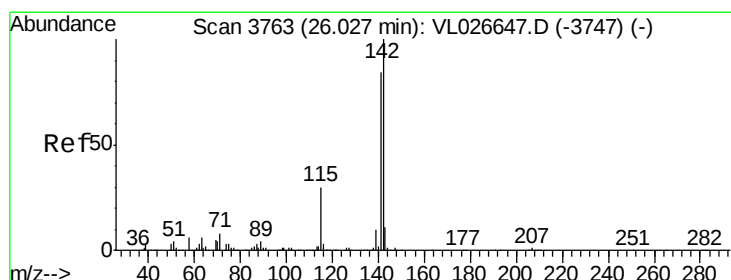
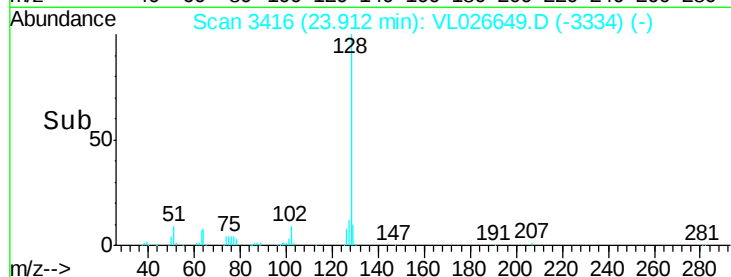
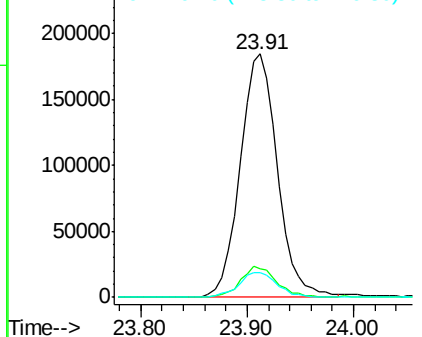
Tot Ion:	128	Resp:	453042
Ion Ratio	Lower	Upper	
128	100		
127	11.7	9.8	14.8
129	10.4	8.9	13.3

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Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 0.44 ppbv

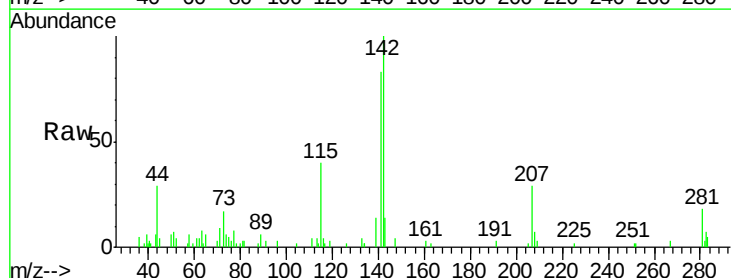
RT: 26.02 min Scan# 3762

Delta R.T. -0.01 min

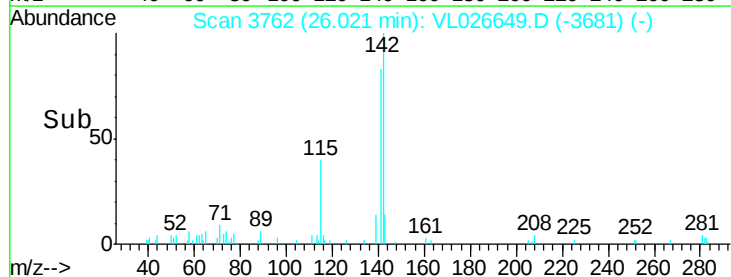
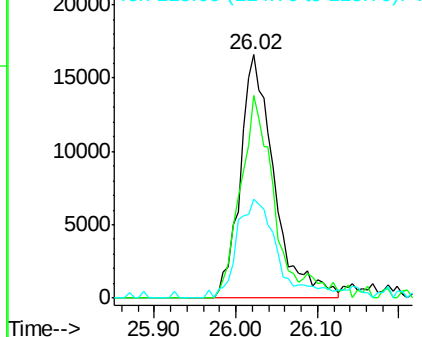
Lab File: VL026649.D

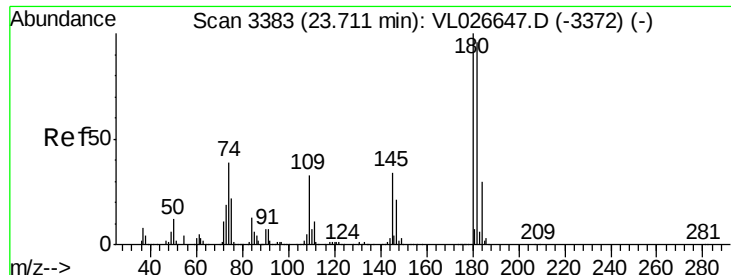
Acq: 8 Jan 2016 16:44

Tgt Ion:	142	Resp:	47956
Ion Ratio	Lower	Upper	
142	100		
141	84.8	66.8	100.2
115	52.0	24.7	37.1#



Abundance Ion 142.00 (141.70 to 142.70): V
Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 1.16 ppbv
 RT: 23.71 min Scan# 3383
 Delta R.T. 0.00 min
 Lab File: VL026649.D
 Acq: 8 Jan 2016 16:44

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
180	100	213571		
182	94.5		75.5	113.3
184	29.0		24.1	36.1

Manual Integrations
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