

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL070219\
 Data File : VL034003.D
 Acq On : 3 Jul 2019 3:10
 Operator : SY/AP
 Sample : K3591-13 LOD 0.4
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2019

Manual Integrations
 APPROVED

MMDadoda
 7/3/2019 11:03:42 PM

Quant Time: Jul 03 09:21:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL070219AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Jul 03 09:21:17 2019
 QLast Update : Tue Jul 02 19:31:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.73	49	884393	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.26	114	2543289	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.20	117	2445376	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.54	95	2052577	9.84	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.06	85	106320	0.583	ppbv	92
3) Chlorodifluoromethane	3.00	51	51492	0.472	ppbv	94
4) Chloromethane	3.16	50	28388	0.452	ppbv #	87
5) Vinyl Chloride	3.27	62	29847	0.423	ppbv #	86
6) Bromomethane	3.49	94	18757m	0.450	ppbv	
7) Chloroethane	3.59	64	11883	0.471	ppbv #	72
8) Dichlorotetrafluoroethane	3.21	85	92106	0.518	ppbv	95
9) Propene	3.02	41	13698	0.341	ppbv	94
10) Heptane	8.21	43	34979m	0.348	ppbv	
11) Trichlorofluoromethane	3.99	101	95590	0.466	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.53	101	67452	0.464	ppbv	100
13) Ethanol	3.65	45	5726m	0.459	ppbv	
14) Bromoethene	3.77	108	24010m	0.443	ppbv	
15) Acetone	3.90	43	65327	0.439	ppbv	91
16) 1,3-Butadiene	3.35	39	22001m	0.419	ppbv	
17) tert-Butyl alcohol	4.36	59	53348	0.450	ppbv #	94
18) 1,1-Dichloroethene	4.33	96	26832	0.415	ppbv #	70
19) Isopropyl Alcohol	4.02	45	44608m	0.447	ppbv	
20) Methylene Chloride	4.38	84	31294m	0.483	ppbv	
21) Allyl Chloride	4.45	41	37068	0.400	ppbv	93
22) trans-1,2-Dichloroethene	4.94	96	29016m	0.471	ppbv	
23) Vinyl Acetate	5.14	43	50503	0.340	ppbv #	95
24) 1,1-Dichloroethane	5.07	63	56351	0.428	ppbv #	93
25) Ethyl Acetate	5.75	43	78676	0.387	ppbv	97
26) Hexane	5.75	57	36009	0.387	ppbv	92
27) Carbon Disulfide	4.61	76	61377	0.388	ppbv #	84
28) Methyl tert-Butyl Ether	5.10	73	54218m	0.344	ppbv	
29) Chloroform	5.82	83	80974	0.463	ppbv	97
30) Cyclohexane	7.21	84	25139m	0.350	ppbv	
31) cis-1,2-Dichloroethene	5.62	61	31070m	0.346	ppbv	
32) 1,1,1-Trichloroethane	6.59	97	75645m	0.427	ppbv	
34) 2-Butanone	5.32	43	44015m	0.327	ppbv	
35) Carbon Tetrachloride	7.10	117	82927	0.412	ppbv	100
36) Benzene	6.98	78	60133	0.302	ppbv #	95
37) 1,2-Dichloroethane	6.38	62	55780m	0.380	ppbv	
38) Trichloroethene	7.93	130	27572m	0.311	ppbv	
39) 1,2-Dichloropropane	7.70	63	26856m	0.363	ppbv	
40) 1,4-Dioxane	7.97	88	10850m	0.318	ppbv	
41) Tetrahydrofuran	6.16	42	19427m	0.294	ppbv	
42) Bromodichloromethane	7.89	83	75100	0.382	ppbv #	83
43) Methyl Methacrylate	8.11	69	21409m	0.284	ppbv	

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Quant Time: Jul 03 09:21:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL070219AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Jul 03 09:21:17 2019
 QLast Update : Tue Jul 02 19:31:31 2019
 Response via : Initial Calibration

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

44) 2,2,4-Trimethylpentane	7.97	57	98420m	0.287	ppbv	
45) t-1,3-Dichloropropene	9.38	75	24511m	0.248	ppbv	
46) cis-1,3-Dichloropropene	8.80	75	26584	0.232	ppbv	92
47) 1,1,2-Trichloroethane	9.58	97	34494m	0.371	ppbv	
48) Dibromochloromethane	10.42	129	63928m	0.360	ppbv	
49) Bromoform	13.17	173	59031m	0.389	ppbv	
50) 4-Methyl-2-Pentanone	8.87	43	53791	0.269	ppbv	98
51) 2-Hexanone	10.26	43	34339m	0.213	ppbv	
52) Tetrachloroethene	11.35	164	30773m	0.359	ppbv	
53) Toluene	9.92	91	54683m	0.240	ppbv	
54) 1,2-Dibromoethane	10.72	107	46662	0.340	ppbv #	79
56) 1,1,1,2-Tetrachloroethane	12.24	131	51105m	0.468	ppbv	
57) Chlorobenzene	12.26	112	83939	0.431	ppbv #	81
58) Ethyl Benzene	12.83	91	78123m	0.266	ppbv	
59) m/p-Xylene	13.12	91	155237m	0.583	ppbv	
60) o-Xylene	13.81	91	82772m	0.311	ppbv	
61) Styrene	13.65	104	41313m	0.234	ppbv	
62) Isopropylbenzene	14.79	105	115141	0.281	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.80	83	78966	0.383	ppbv	96
64) n-propylbenzene	15.69	120	30670m	0.289	ppbv	
65) tert-Butylbenzene	16.87	119	105065	0.302	ppbv	91
66) Benzyl Chloride	17.12	91	55619m	0.312	ppbv	
67) sec-Butylbenzene	17.42	105	158958	0.325	ppbv	98
69) p-Isopropyltoluene	17.79	119	111694	0.277	ppbv	97
70) n-Butylbenzene	18.68	91	122763	0.290	ppbv	97
71) 2-Chlorotoluene	15.59	91	69484	0.232	ppbv	94
72) 4-Ethyltoluene	15.97	105	86734m	0.254	ppbv	
73) 1,3,5-Trimethylbenzene	16.13	105	88964	0.280	ppbv	100
74) 1,2,4-Trimethylbenzene	16.89	105	122816	0.348	ppbv	94
75) 1,3-Dichlorobenzene	17.13	146	95972m	0.429	ppbv	
76) 1,4-Dichlorobenzene	17.27	146	75765m	0.359	ppbv	
77) 1,2-Dichlorobenzene	17.96	146	82736m	0.399	ppbv	
78) Hexachloro-1,3-Butadiene	23.51	225	77068	0.437	ppbv	99
79) Naphthalene	22.37	128	69516m	0.235	ppbv	
80) Naphthalene, 2-methyl-	25.08	142	28980	0.269	ppbv	98
81) 1,2,4-Trichlorobenzene	22.10	180	56061m	0.295	ppbv	

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

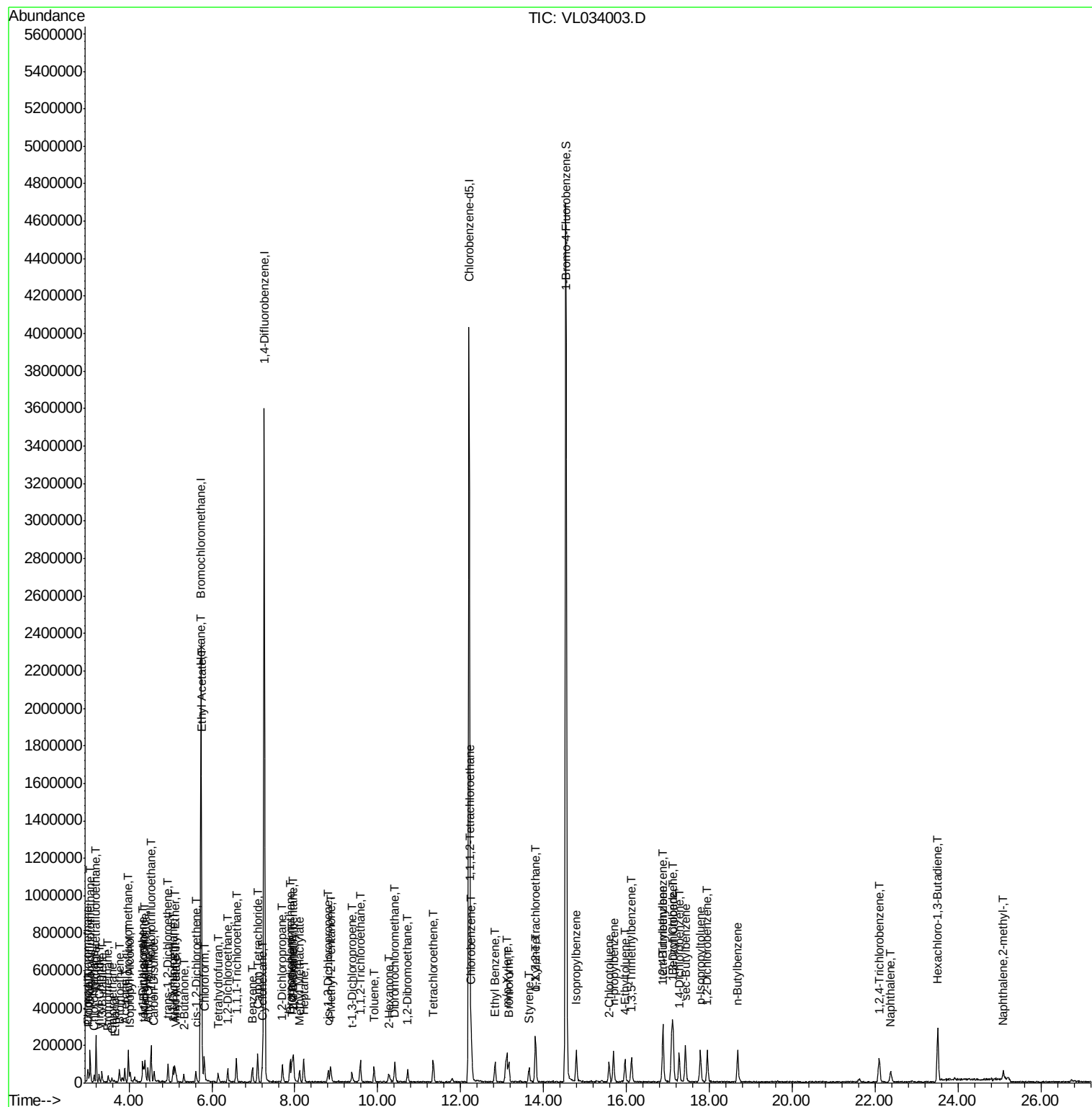
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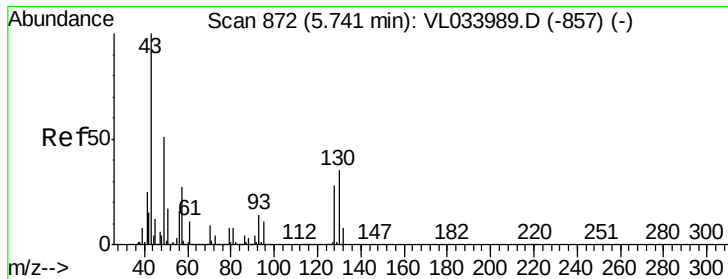
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2019

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Quant Time: Jul 03 09:21:17 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL070219AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Jul
QLast Update : Tue Jul 02 19:31:31 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.73 min Scan# 870

Delta R.T. -0.01 min

Lab File: VL034003.D

Acq: 3 Jul 2019 3:10

Instrument :

MSVOA_L

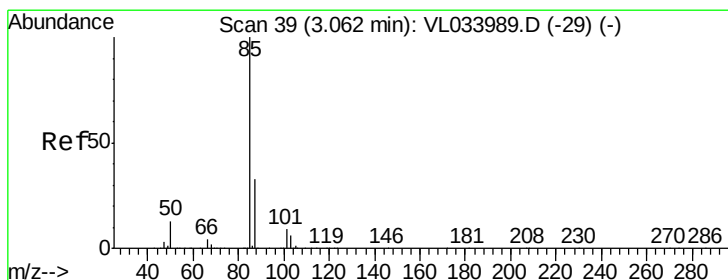
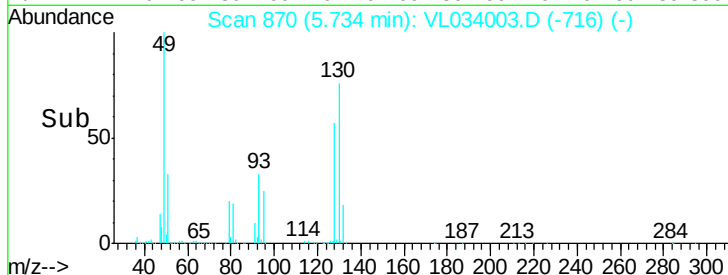
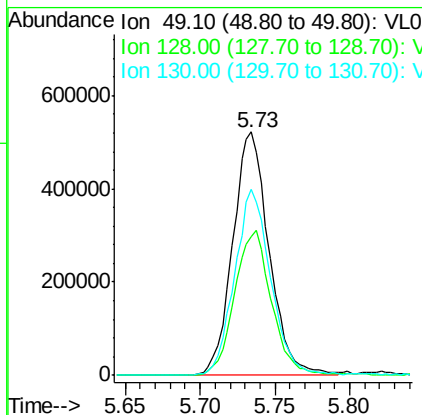
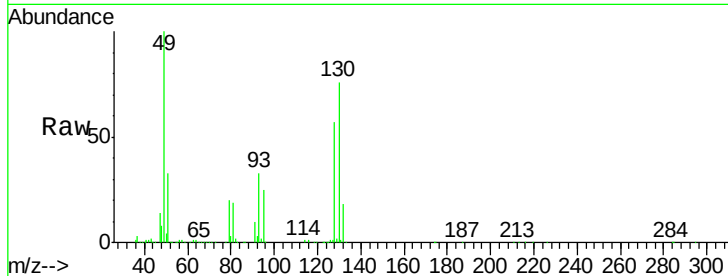
ClientSampleId :

LOD-MDL-AIR-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
49	100		
128	60.9	27.9	83.6
130	76.4	35.8	107.4

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 0.583 ppbv

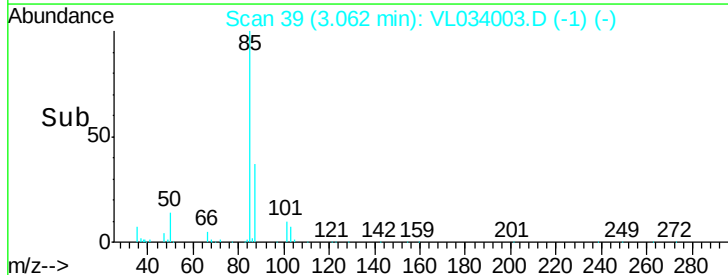
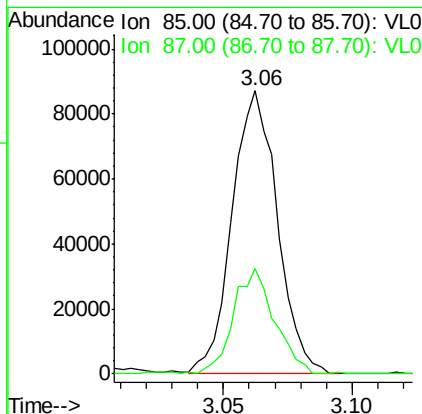
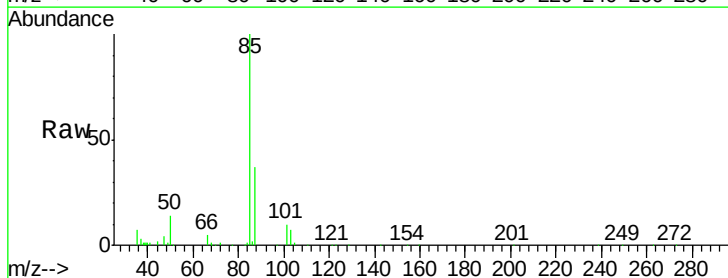
RT: 3.06 min Scan# 39

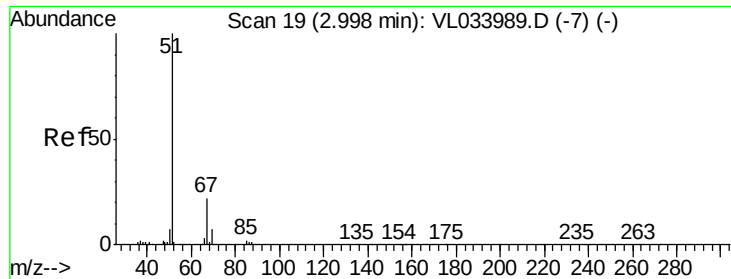
Delta R.T. 0.00 min

Lab File: VL034003.D

Acq: 3 Jul 2019 3:10

Tgt Ion	Ratio	Lower	Upper
85	100		
87	36.9	26.0	39.0





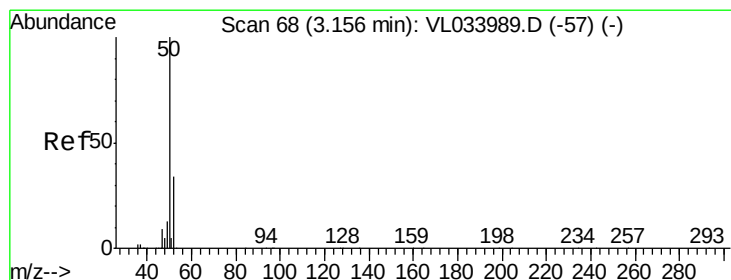
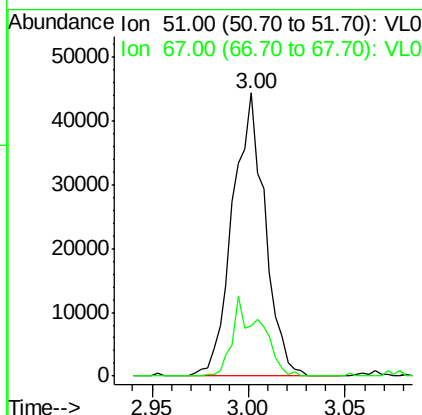
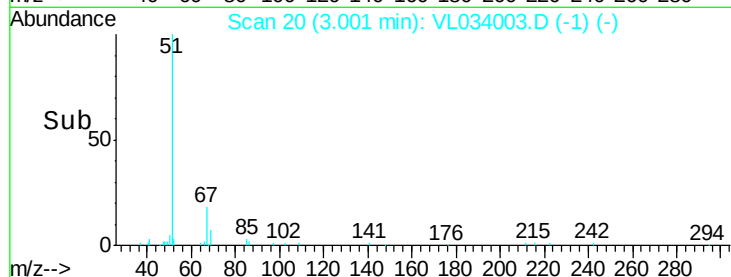
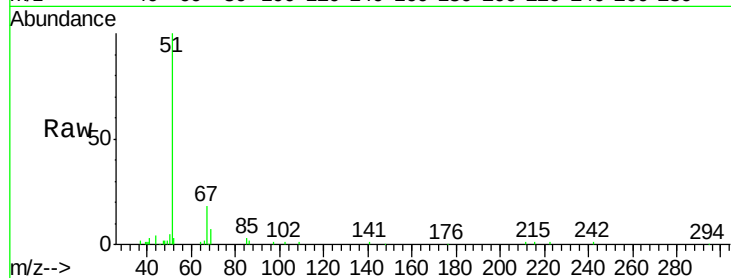
#3
Chlorodifluoromethane
Concen: 0.472 ppbv
RT: 3.00 min Scan# 20
Delta R.T. 0.00 min
Lab File: VL034003.D
Acq: 3 Jul 2019 3:10

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2019

Tot Ion: 51 Resp: 51492
Ion Ratio Lower Upper
51 100
67 24.6 17.3 25.9

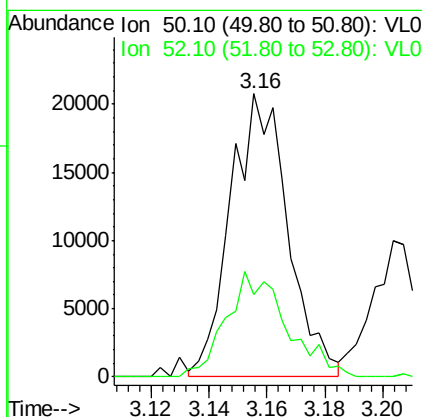
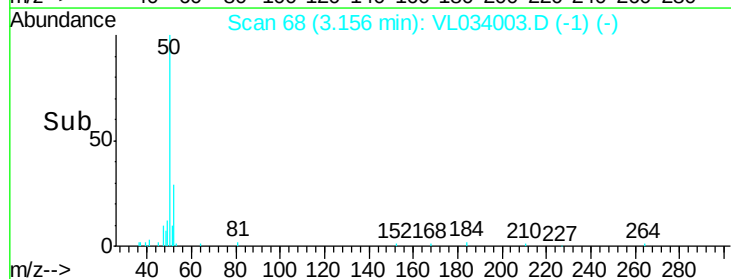
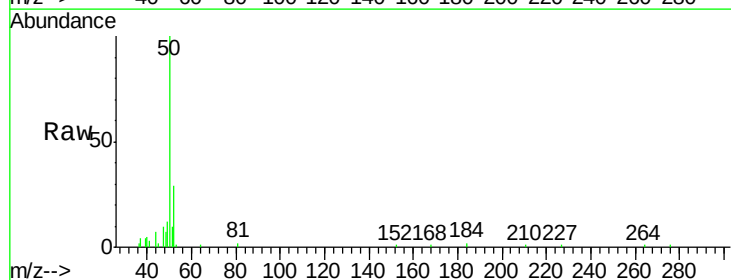
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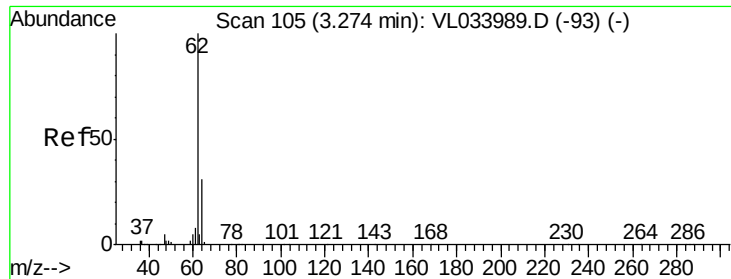
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#4
Chloromethane
Concen: 0.452 ppbv
RT: 3.16 min Scan# 68
Delta R.T. 0.00 min
Lab File: VL034003.D
Acq: 3 Jul 2019 3:10

Tgt Ion: 50 Resp: 28388
Ion Ratio Lower Upper
50 100
52 26.7 27.4 41.0#





#5

Vinyl Chloride

Concen: 0.423 ppbv

RT: 3.27 min Scan# 105

Delta R.T. 0.00 min

Lab File: VL034003.D

Acq: 3 Jul 2019 3:10

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT3-2019

Tot Ion: 62 Resp: 29847

Ion Ratio Lower Upper

62 100

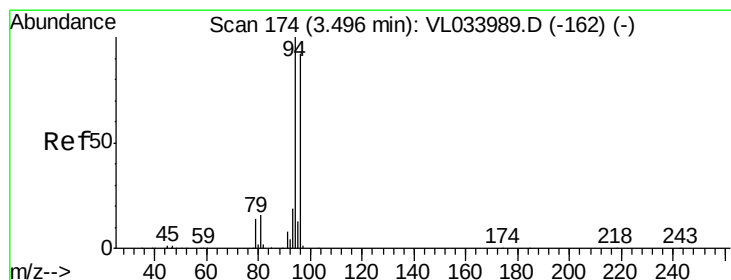
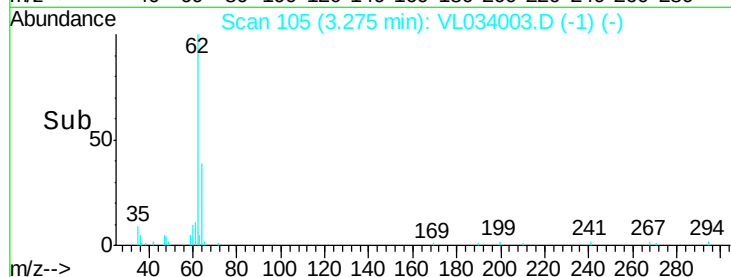
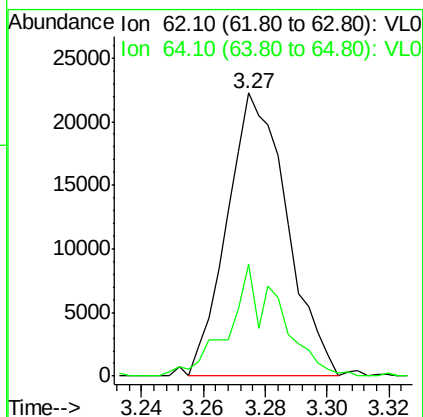
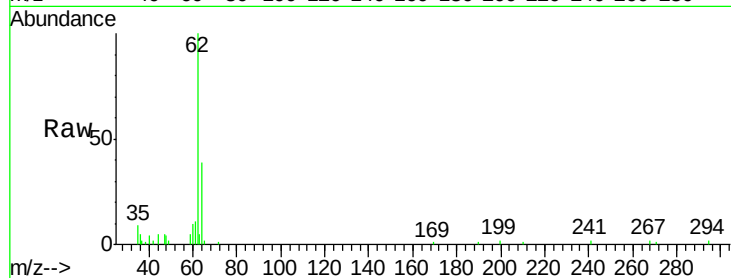
64 38.2 24.4 36.6#

Manual Integrations

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#6

Bromomethane

Concen: 0.450 ppbv m

RT: 3.49 min Scan# 173

Delta R.T. -0.00 min

Lab File: VL034003.D

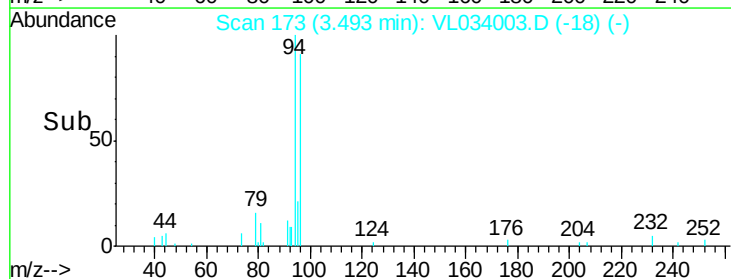
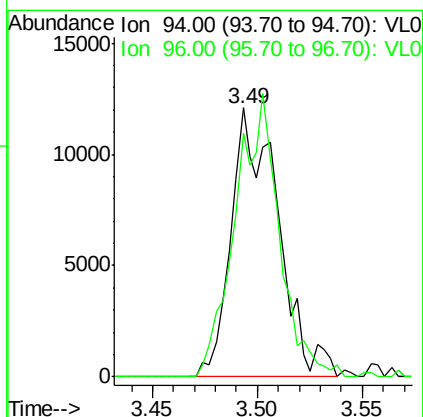
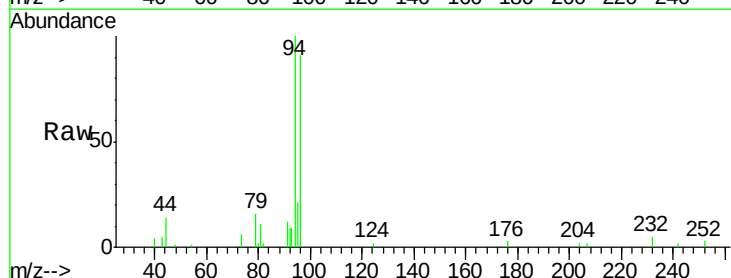
Acq: 3 Jul 2019 3:10

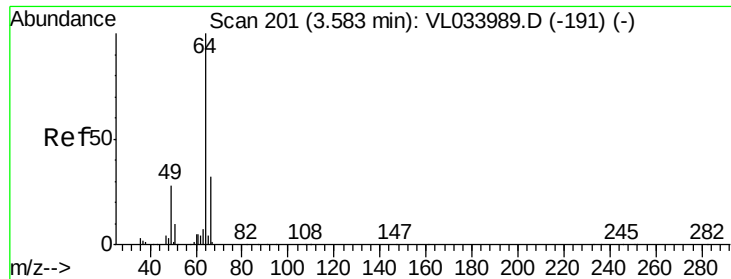
Tgt Ion: 94 Resp: 18757

Ion Ratio Lower Upper

94 100

96 90.7 73.8 110.8





#7

Chloroethane

Concen: 0.471 ppbv

RT: 3.59 min Scan# 202

Delta R.T. 0.00 min

Lab File: VL034003.D

Acq: 3 Jul 2019 3:10

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT3-2019

Tot Ion: 64 Resp: 11883

Ion Ratio Lower Upper

64 100

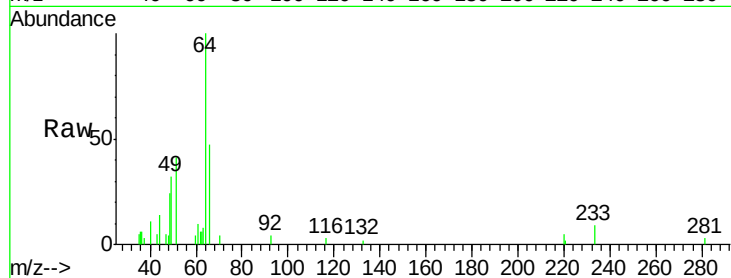
66 47.1 25.3 37.9#

Manual Integrations

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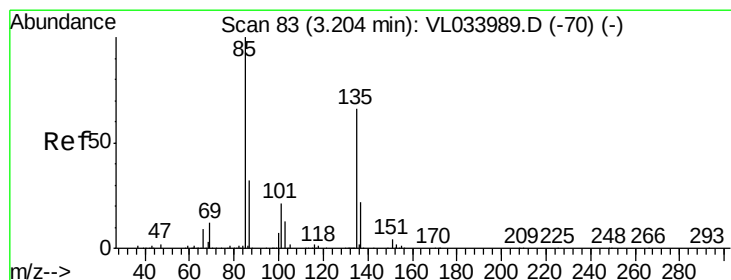
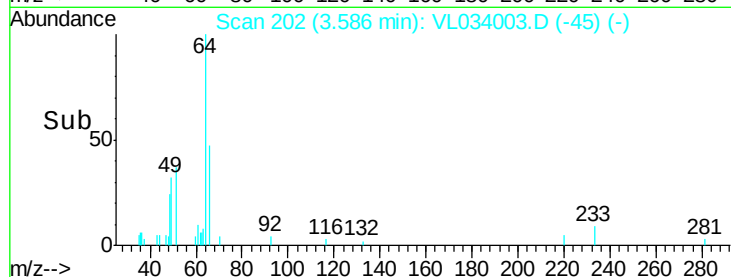
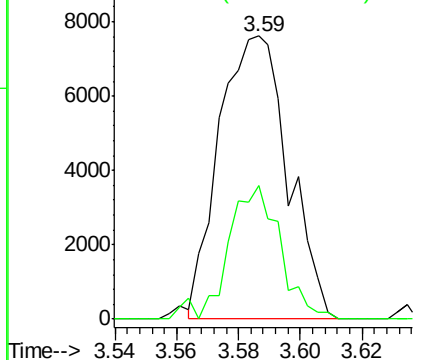
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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 0.518 ppbv

RT: 3.21 min Scan# 84

Delta R.T. 0.00 min

Lab File: VL034003.D

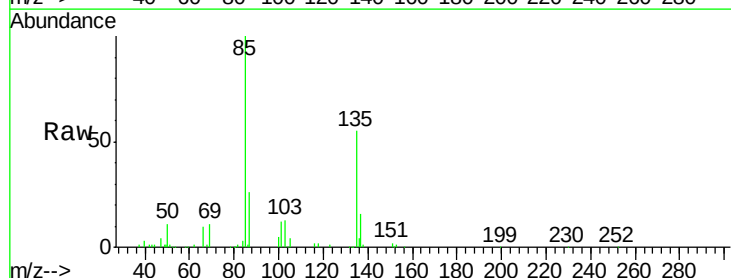
Acq: 3 Jul 2019 3:10

Tgt Ion: 85 Resp: 92106

Ion Ratio Lower Upper

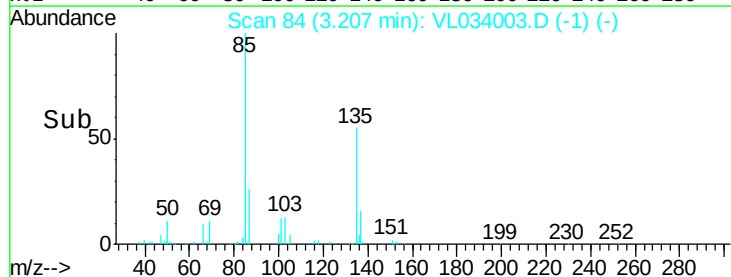
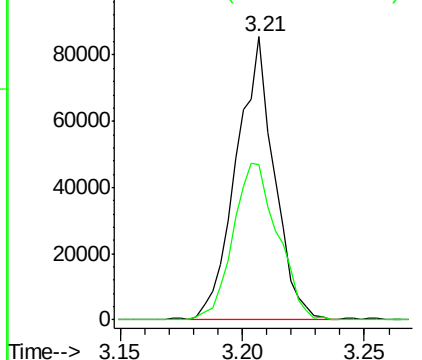
85 100

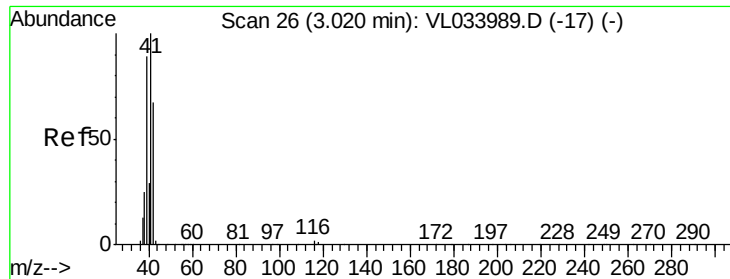
135 65.0 55.0 82.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 0.341 ppbv

RT: 3.02 min Scan# 27

Delta R.T. 0.00 min

Lab File: VL034003.D

Acq: 3 Jul 2019 3:10

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT3-2019

Tot Ion: 41 Resp: 13698

Ion Ratio Lower Upper

41 100

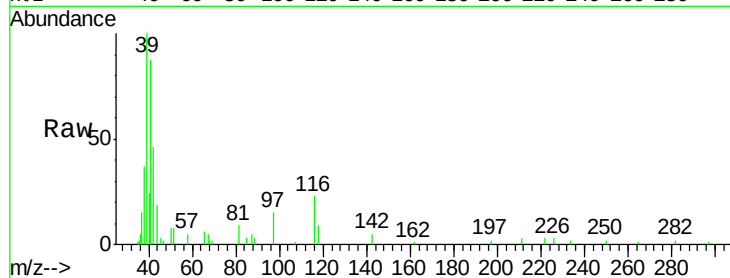
42 66.6 57.1 85.7

Manual Integrations

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Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

12000

10000

8000

6000

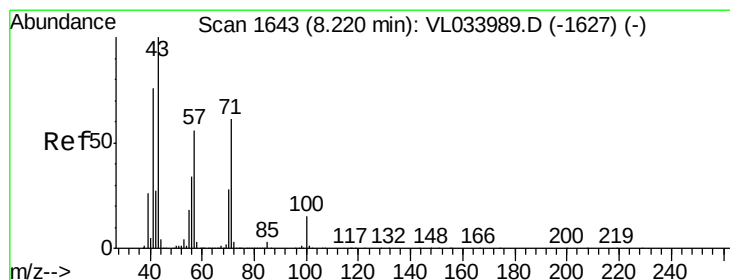
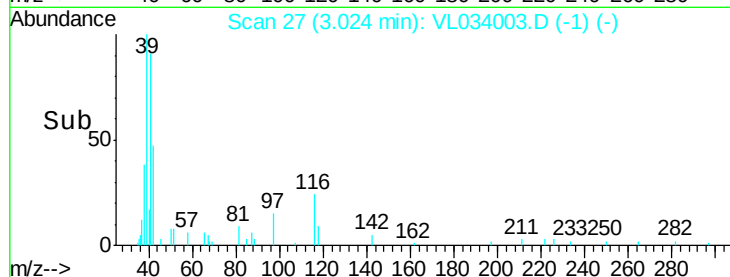
4000

2000

0

3.00 3.02 3.04 3.06

Time-->



#10

Heptane

Concen: 0.348 ppbv m

RT: 8.21 min Scan# 1640

Delta R.T. -0.01 min

Lab File: VL034003.D

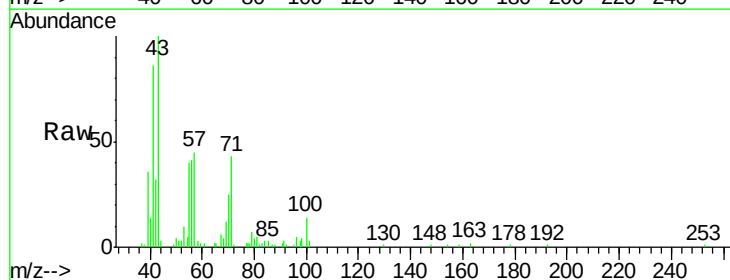
Acq: 3 Jul 2019 3:10

Tgt Ion: 43 Resp: 34979

Ion Ratio Lower Upper

43 100

57 0.0 44.6 66.8#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

25000

20000

15000

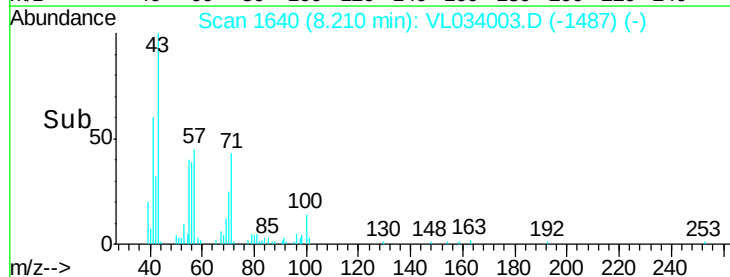
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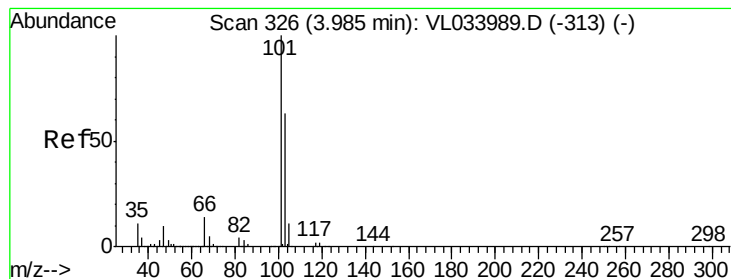
5000

0

8.15 8.20 8.25 8.30

Time-->





#11

Trichlorofluoromethane

Concen: 0.466 ppbv

RT: 3.99 min Scan# 326

Delta R.T. 0.00 min

Lab File: VL034003.D

Acq: 3 Jul 2019 3:10

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT3-2019

Tot Ion:101 Resp: 95590

Ion Ratio Lower Upper

101 100

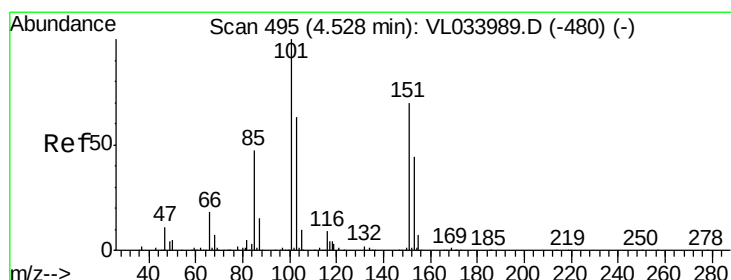
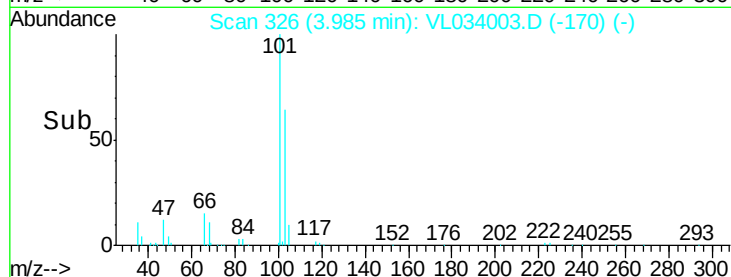
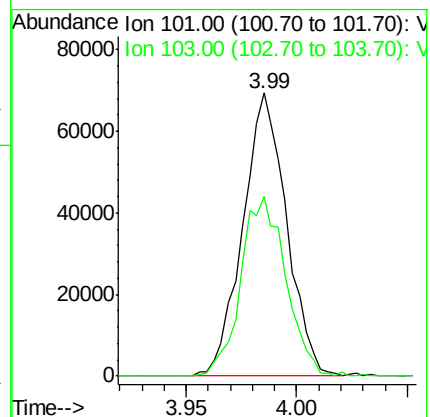
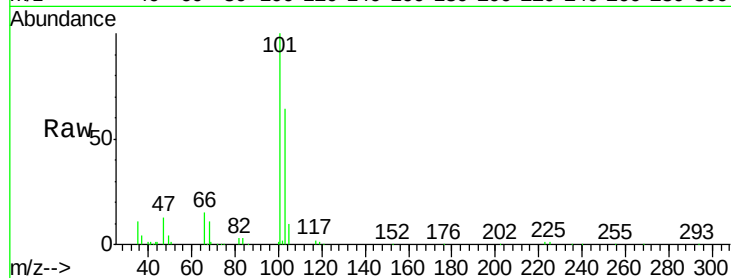
103 63.3 50.8 76.2

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#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.464 ppbv

RT: 4.53 min Scan# 496

Delta R.T. 0.00 min

Lab File: VL034003.D

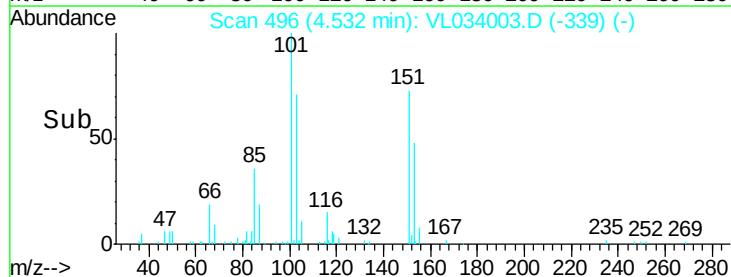
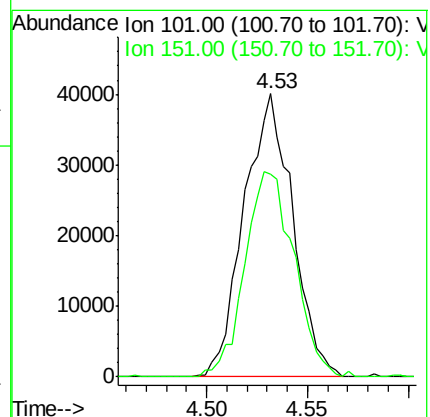
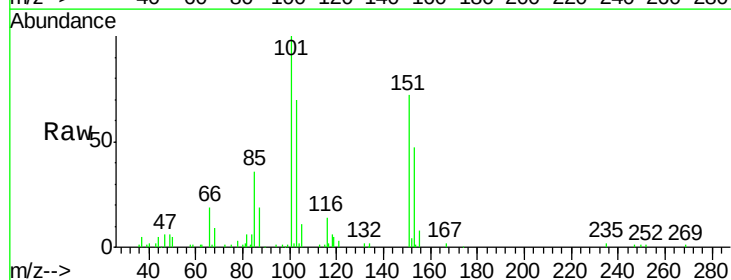
Acq: 3 Jul 2019 3:10

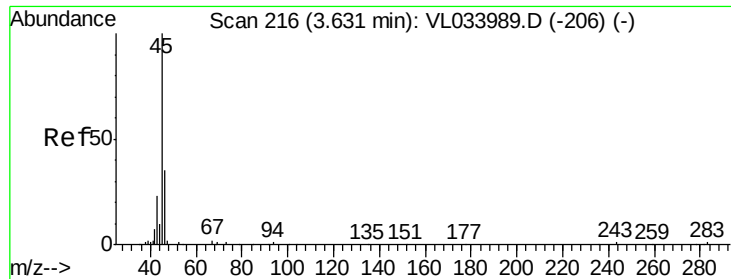
Tgt Ion:101 Resp: 67452

Ion Ratio Lower Upper

101 100

151 73.6 59.0 88.4





#13

Ethanol

Concen: 0.459 ppbv m

RT: 3.65 min Scan# 222

Delta R.T. 0.02 min

Lab File: VL034003.D

Acq: 3 Jul 2019 3:10

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT3-2019

Tot Ion: 45 Resp: 5726

Ion Ratio Lower Upper

45 100

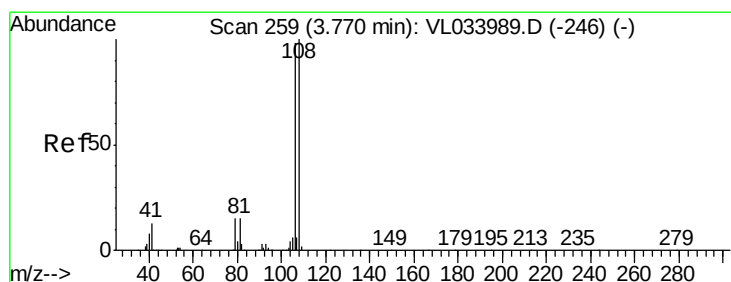
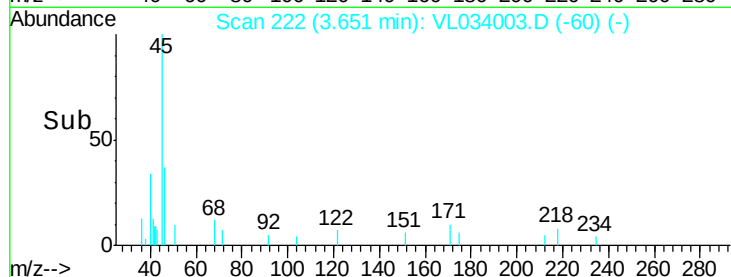
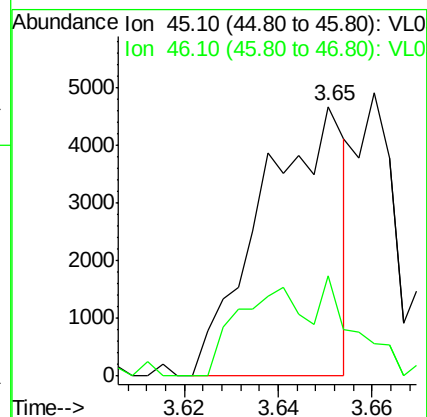
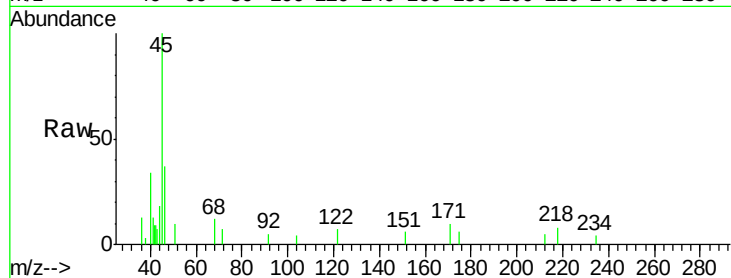
46 0.0 16.2 64.6#

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#14

Bromoethene

Concen: 0.443 ppbv m

RT: 3.77 min Scan# 260

Delta R.T. 0.00 min

Lab File: VL034003.D

Acq: 3 Jul 2019 3:10

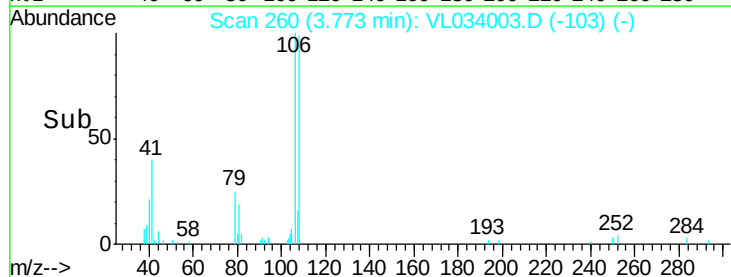
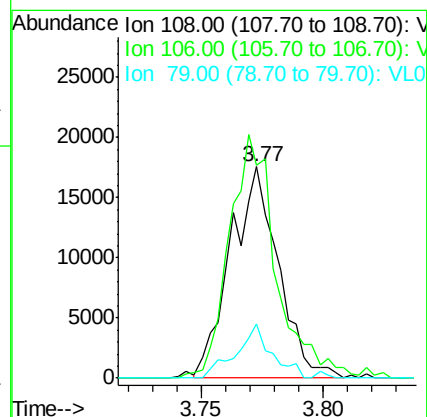
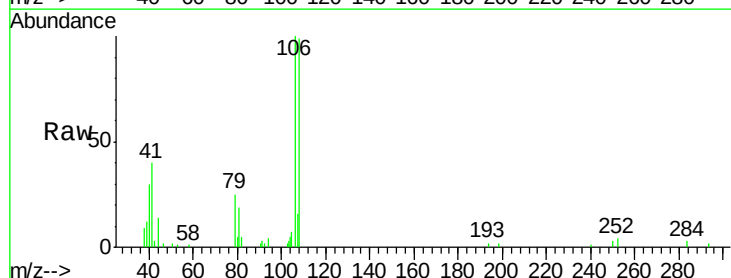
Tgt Ion: 108 Resp: 24010

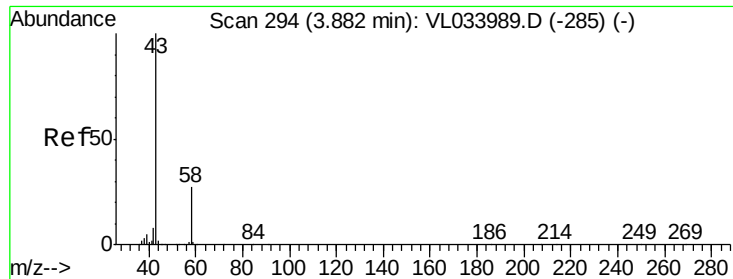
Ion Ratio Lower Upper

108 100

106 0.0 85.6 128.4#

79 0.0 14.0 21.0#





#15

Acetone

Concen: 0.439 ppbv

RT: 3.90 min Scan# 299

Delta R.T. 0.02 min

Lab File: VL034003.D

Acq: 3 Jul 2019 3:10

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT3-2019

Tot Ion: 43 Resp: 65327

Ion Ratio Lower Upper

43 100

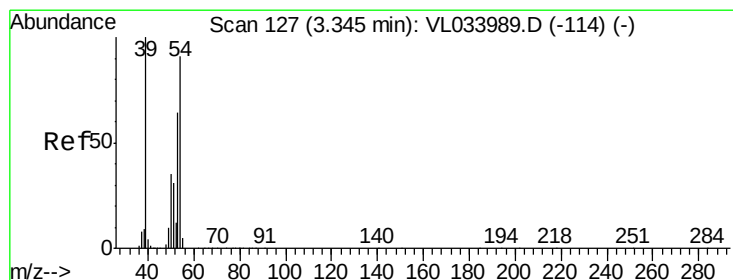
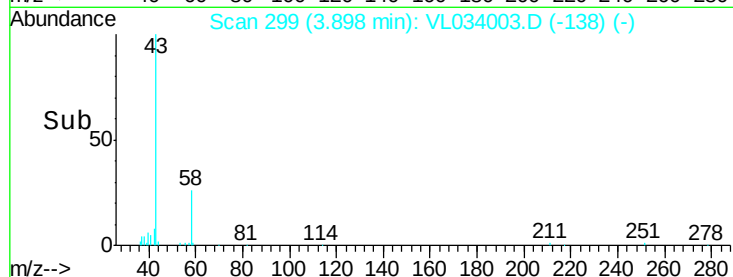
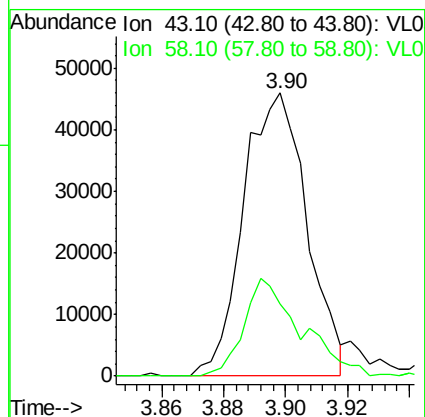
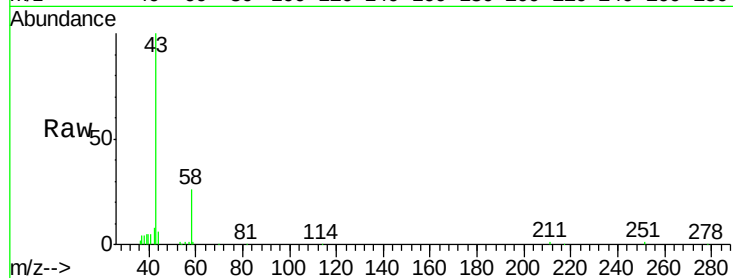
58 31.2 21.4 32.0

Manual Integrations

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#16

1,3-Butadiene

Concen: 0.419 ppbv m

RT: 3.35 min Scan# 127

Delta R.T. 0.00 min

Lab File: VL034003.D

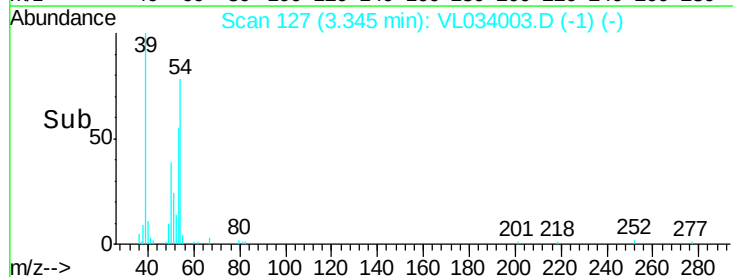
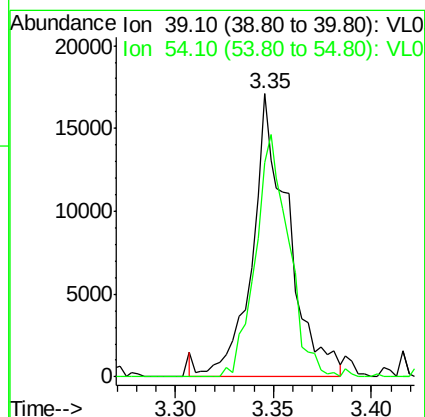
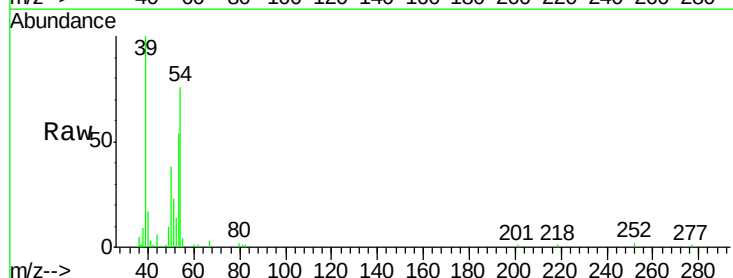
Acq: 3 Jul 2019 3:10

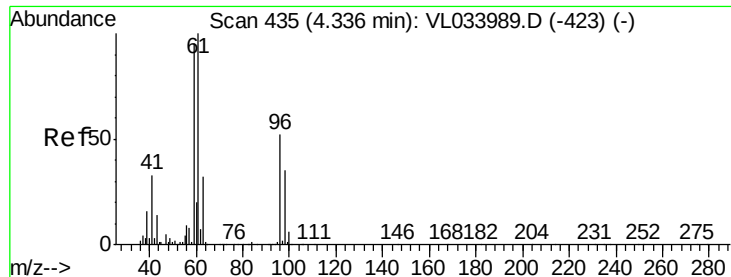
Tgt Ion: 39 Resp: 22001

Ion Ratio Lower Upper

39 100

54 79.9 71.4 107.2





#17

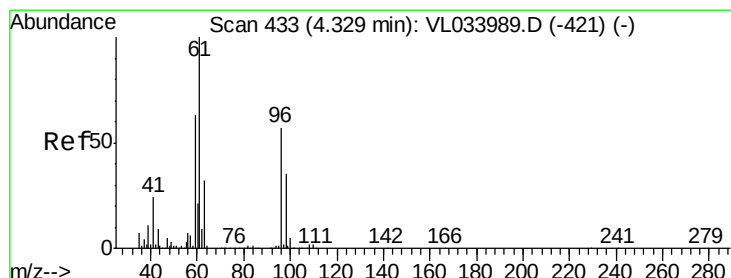
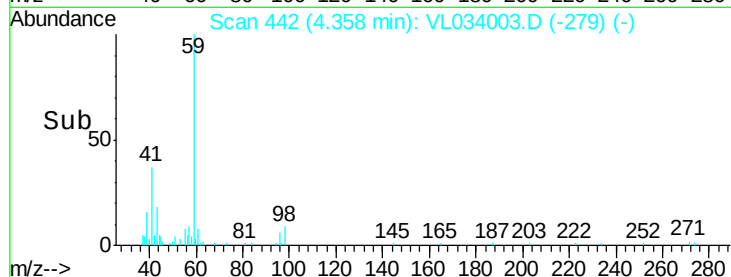
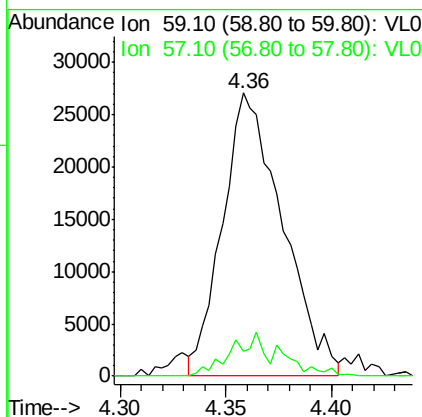
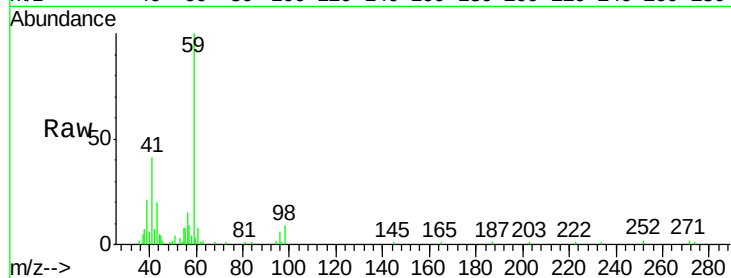
tert-Butyl alcohol
 Concen: 0.450 ppbv
 RT: 4.36 min Scan# 442
 Delta R.T. 0.02 min
 Lab File: VL034003.D
 Acq: 3 Jul 2019 3:10

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
59	100		
57	12.4	8.2	12.2#

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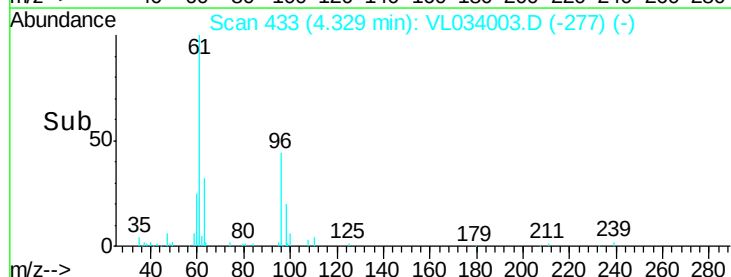
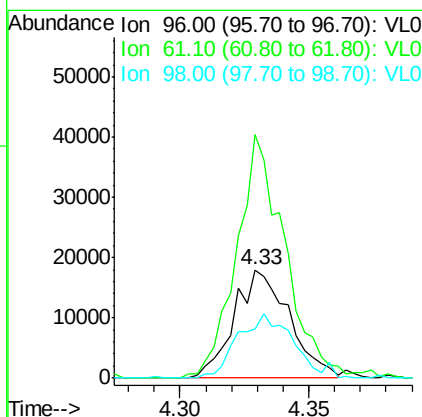
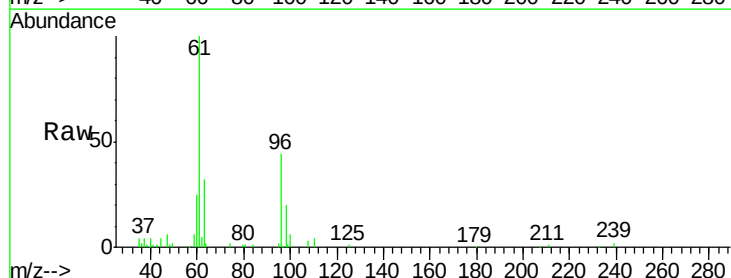
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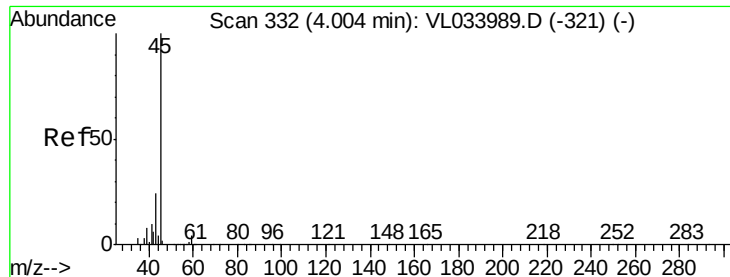


#18

1,1-Dichloroethene
 Concen: 0.415 ppbv
 RT: 4.33 min Scan# 433
 Delta R.T. 0.00 min
 Lab File: VL034003.D
 Acq: 3 Jul 2019 3:10

Tgt Ion	Ratio	Lower	Upper
96	100		
61	220.5	139.4	209.0#
98	45.2	49.4	74.0#





#19

Isopropyl Alcohol

Concen: 0.447 ppbv m

RT: 4.02 min Scan# 338

Delta R.T. 0.02 min

Lab File: VL034003.D

Acq: 3 Jul 2019 3:10

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT3-2019

Tot Ion: 45 Resp: 44608

Ion Ratio Lower Upper

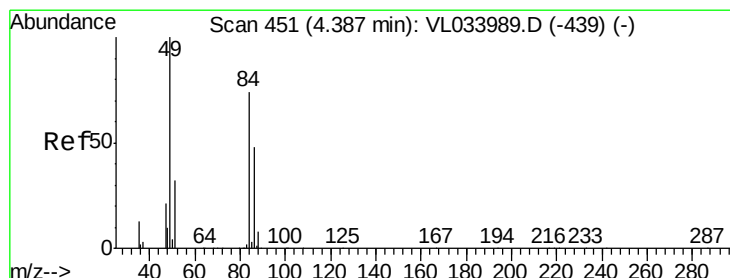
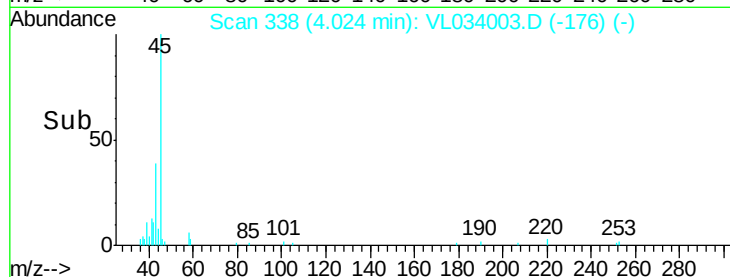
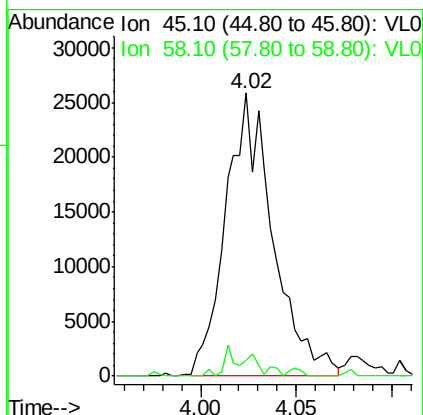
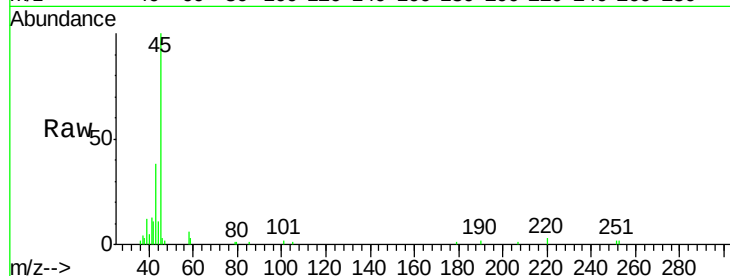
45 100

58 6.1 1.7 2.5#

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#20

Methylene Chloride

Concen: 0.483 ppbv m

RT: 4.38 min Scan# 450

Delta R.T. -0.00 min

Lab File: VL034003.D

Acq: 3 Jul 2019 3:10

Tgt Ion: 84 Resp: 31294

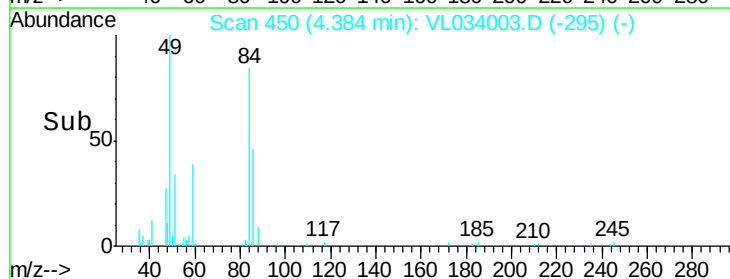
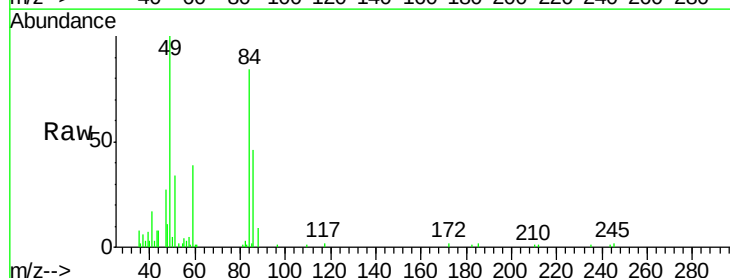
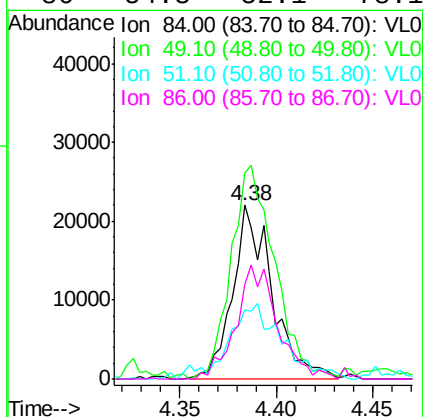
Ion Ratio Lower Upper

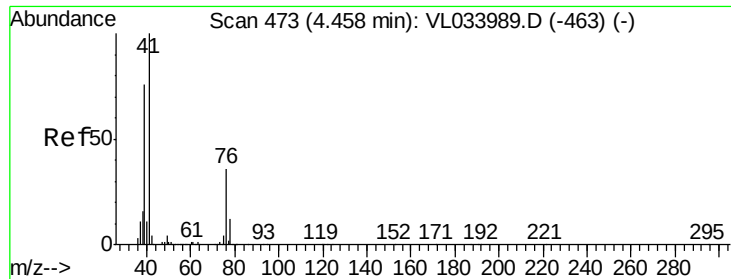
84 100

49 118.6 107.6 161.4

51 40.0 35.0 52.6

86 54.3 52.1 78.1





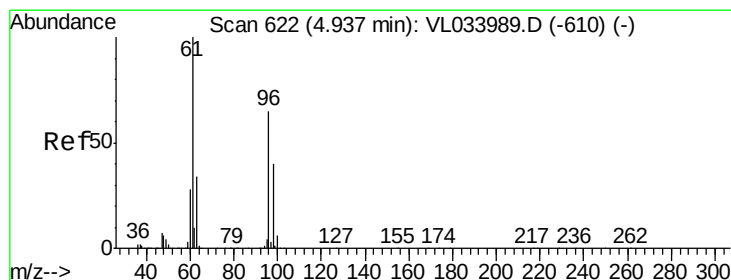
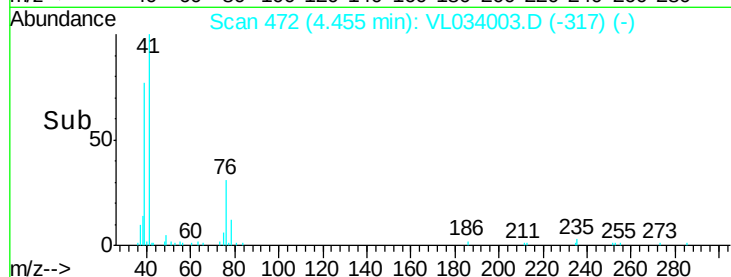
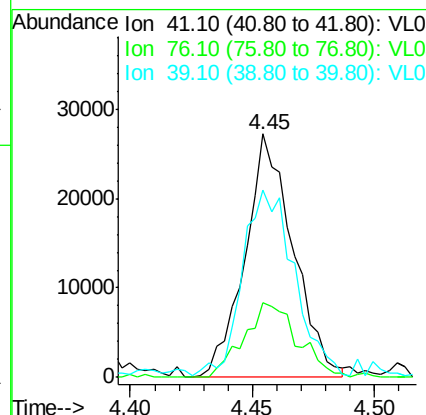
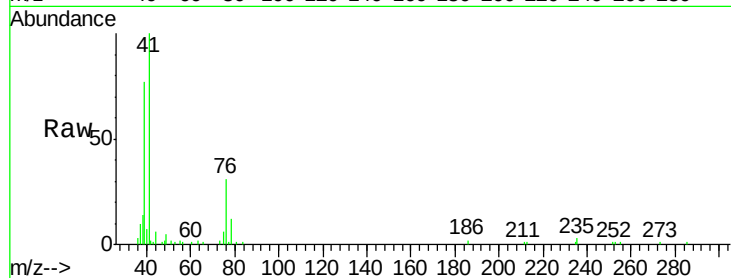
#21
Allvl Chloride
Concen: 0.400 ppbv
RT: 4.45 min Scan# 472
Delta R.T. -0.00 min
Lab File: VL034003.D
Acq: 3 Jul 2019 3:10

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
41	100		
76	35.4	26.8	40.2
39	86.9	63.1	94.7

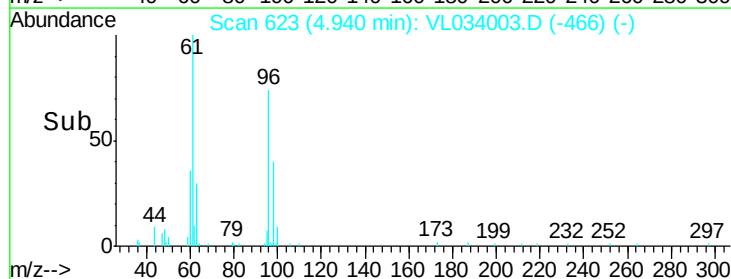
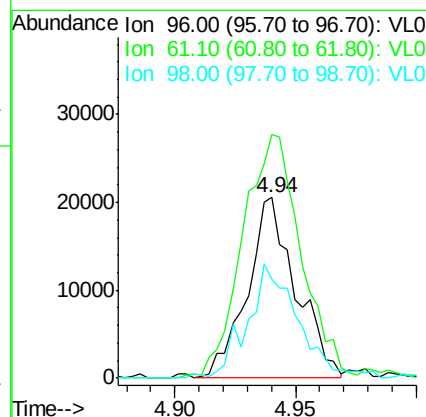
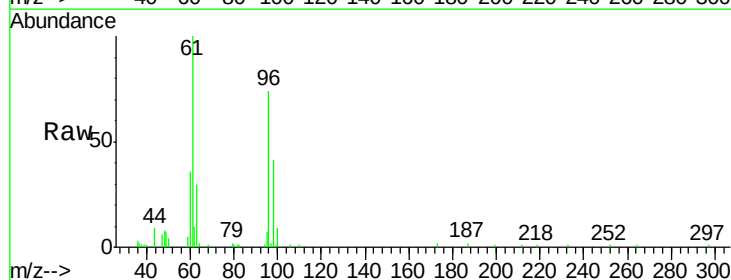
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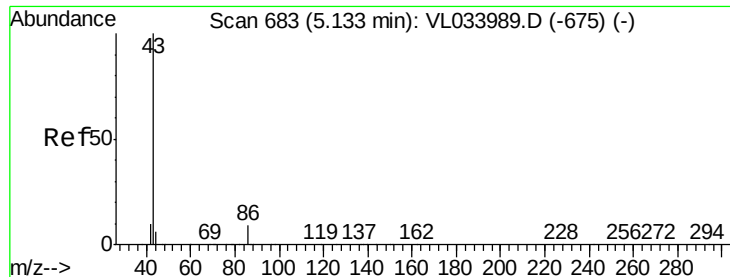
MMDadoda
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#22
trans-1,2-Dichloroethene
Concen: 0.471 ppbv m
RT: 4.94 min Scan# 623
Delta R.T. 0.00 min
Lab File: VL034003.D
Acq: 3 Jul 2019 3:10

Tgt Ion	Ratio	Lower	Upper
96	100		
61	134.7	122.9	184.3
98	54.8	49.6	74.4





#23

Vinyl Acetate

Concen: 0.340 ppbv

RT: 5.14 min Scan# 684

Delta R.T. 0.00 min

Lab File: VL034003.D

Acq: 3 Jul 2019 3:10

Instrument :

MSVOA_L

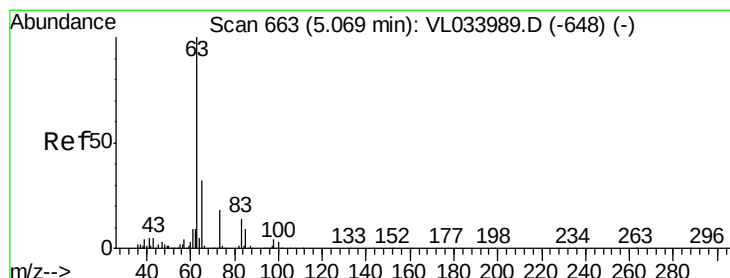
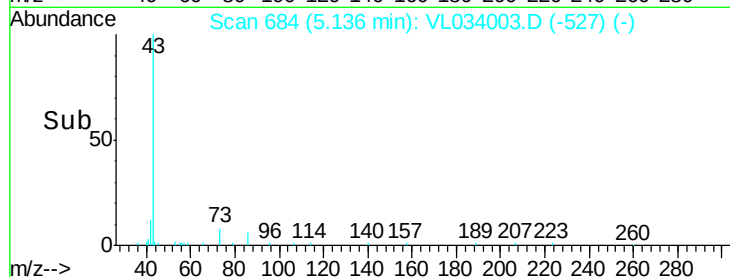
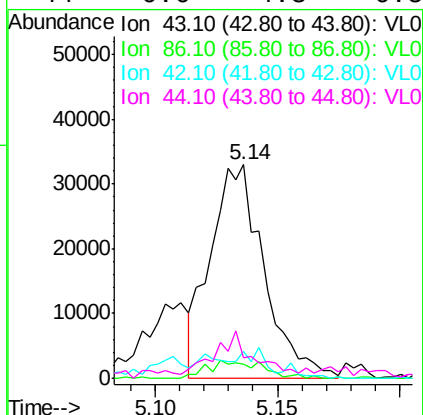
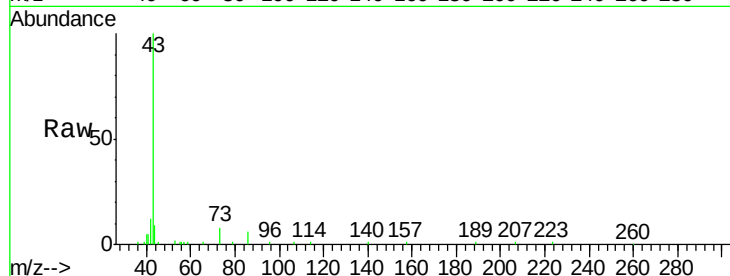
ClientSampleId :

LOD-MDL-AIR-01-QT3-2019

Tot Ion	43	Resp:	50503
Ion Ratio	Lower	Upper	
43	100		
86	5.9	6.6	9.8#
42	11.8	8.3	12.5
44	6.6	4.3	6.5#

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#24

1,1-Dichloroethane

Concen: 0.428 ppbv

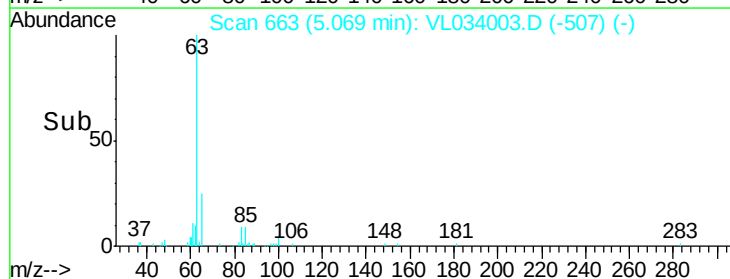
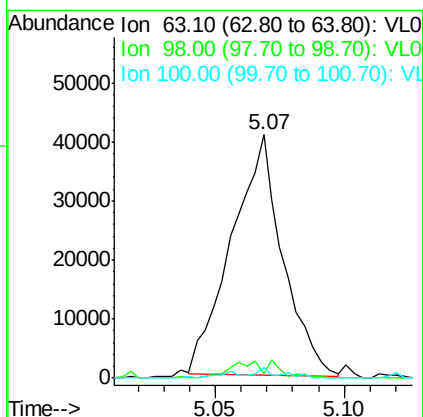
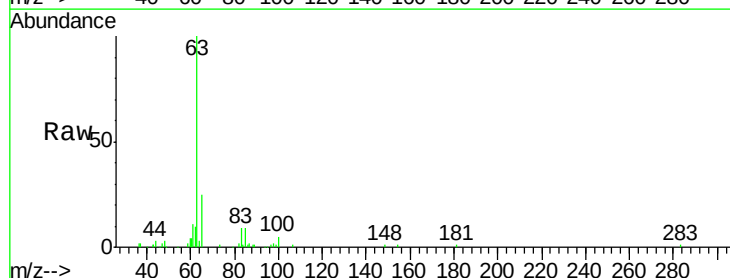
RT: 5.07 min Scan# 663

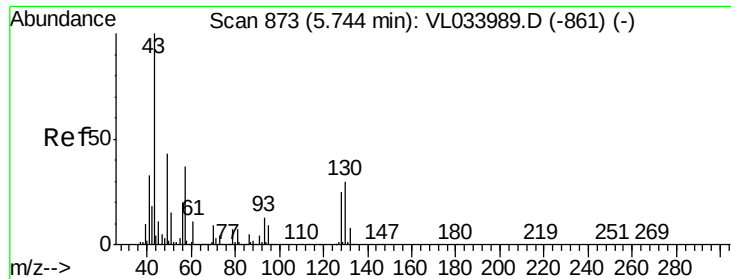
Delta R.T. 0.00 min

Lab File: VL034003.D

Acq: 3 Jul 2019 3:10

Tgt Ion	63	Resp:	56351
Ion Ratio	Lower	Upper	
63	100		
98	1.9	2.2	6.6#
100	4.6	1.4	4.2#





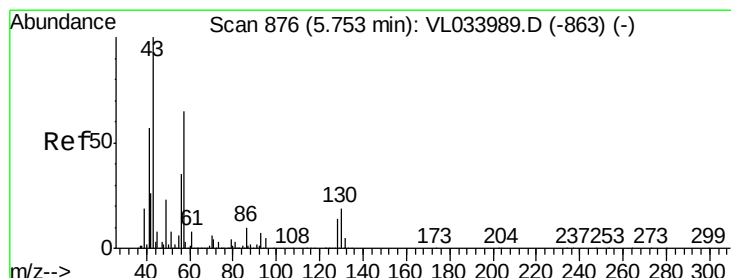
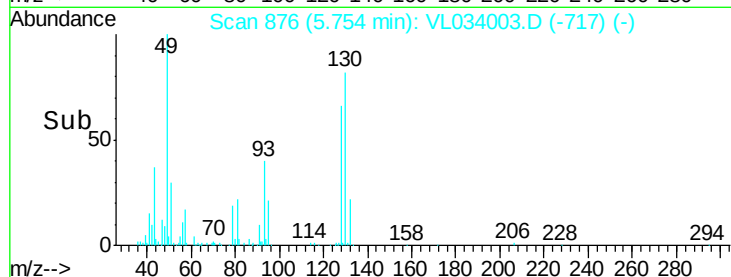
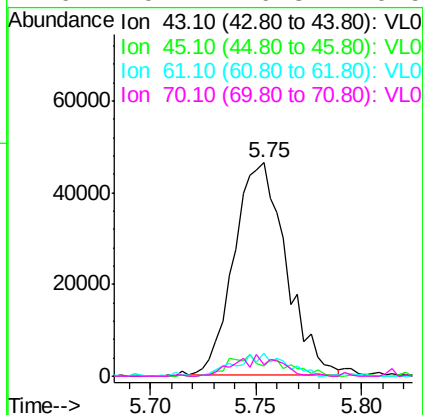
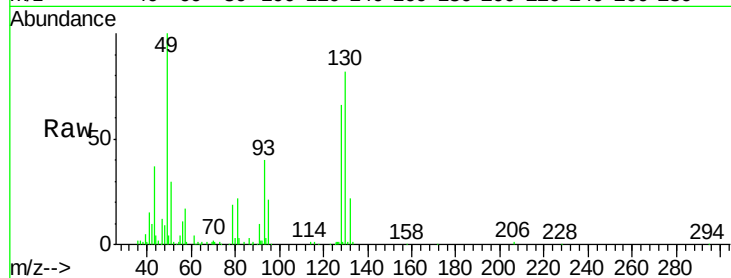
#25
Ethyl Acetate
Concen: 0.387 ppbv
RT: 5.75 min Scan# 876
Delta R.T. 0.01 min
Lab File: VL034003.D
Acq: 3 Jul 2019 3:10

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
43	100		
45	10.6	8.1	12.1
61	11.3	8.1	12.1
70	9.1	6.3	9.5

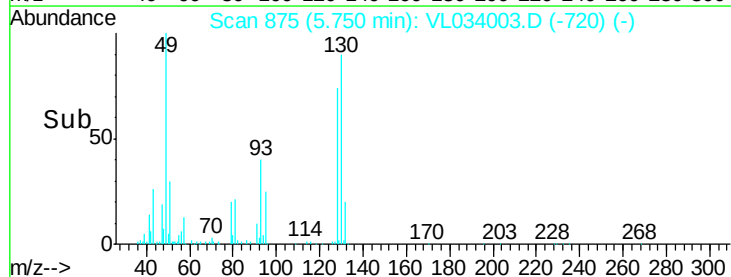
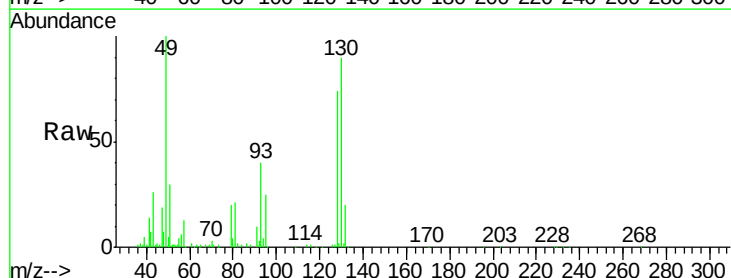
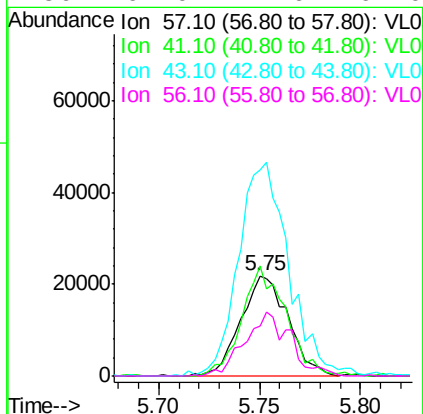
Manual Integrations
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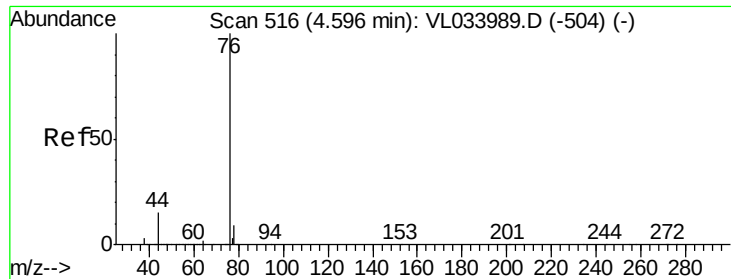
MMDadoda
7/3/2019 11:03:42 PM



#26
Hexane
Concen: 0.387 ppbv
RT: 5.75 min Scan# 875
Delta R.T. -0.00 min
Lab File: VL034003.D
Acq: 3 Jul 2019 3:10

Tgt Ion	Ratio	Lower	Upper
57	100		
41	102.8	70.6	105.8
43	228.5	177.6	266.4
56	61.0	42.6	64.0





#27

Carbon Disulfide

Concen: 0.388 ppbv

RT: 4.61 min Scan# 519

Delta R.T. 0.01 min

Lab File: VL034003.D

Acq: 3 Jul 2019 3:10

Instrument :

MSVOA_L

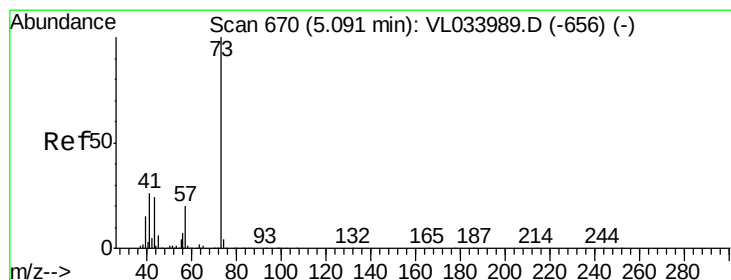
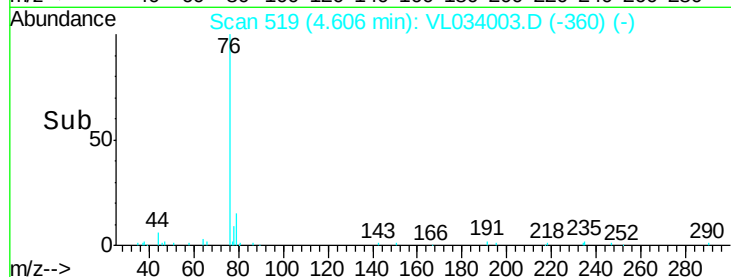
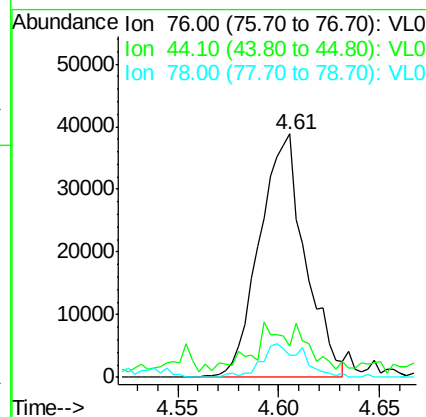
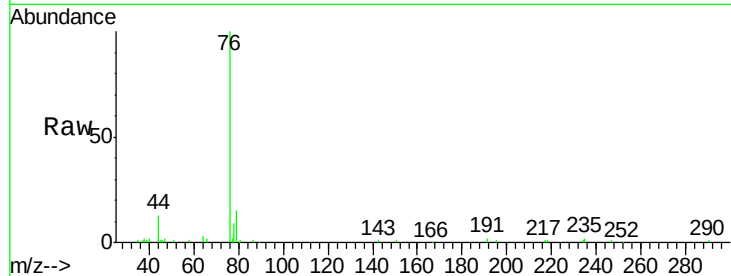
ClientSampleId :

LOD-MDL-AIR-01-QT3-2019

Tot Ion:	76	Resp:	61377
Ion	Ratio	Lower	Upper
76	100		
44	24.0	12.6	18.8#
78	12.7	7.2	10.8#

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#28

Methyl tert-Butyl Ether

Concen: 0.344 ppbv m

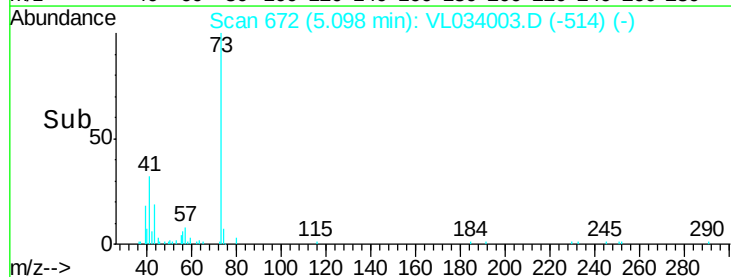
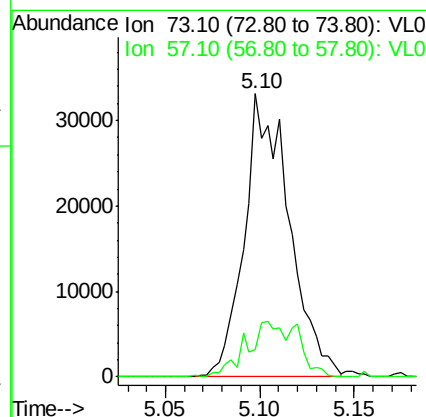
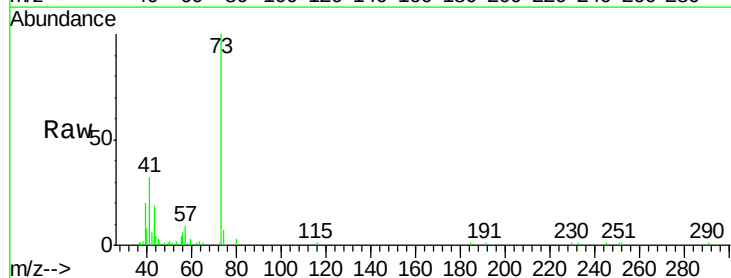
RT: 5.10 min Scan# 672

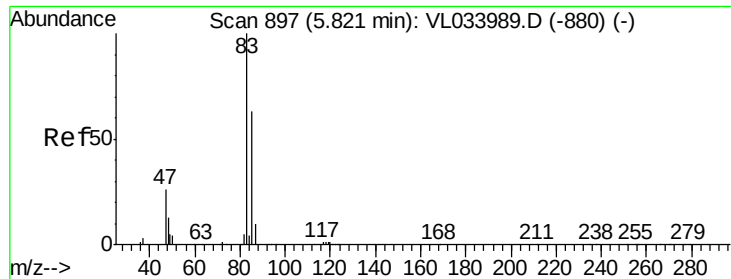
Delta R.T. 0.01 min

Lab File: VL034003.D

Acq: 3 Jul 2019 3:10

Tgt Ion:	73	Resp:	54218
Ion	Ratio	Lower	Upper
73	100		
57	0.0	16.9	25.3#





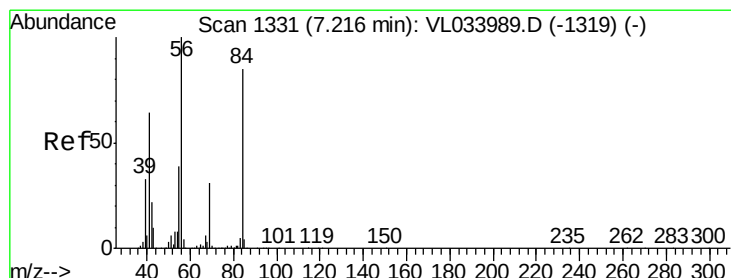
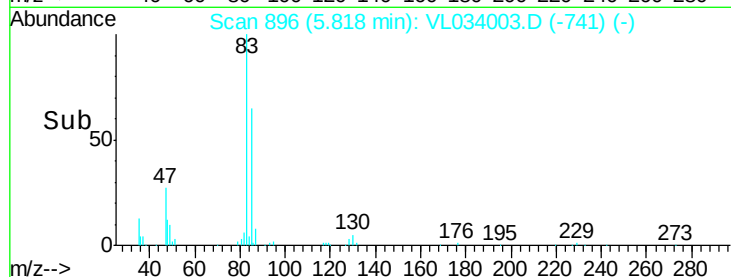
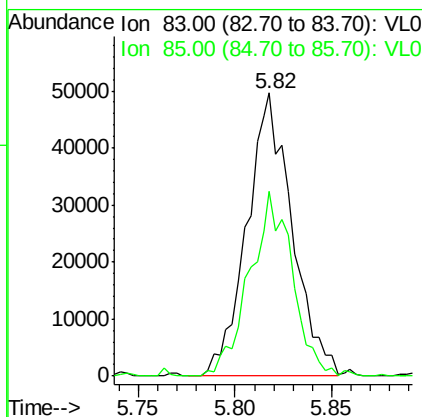
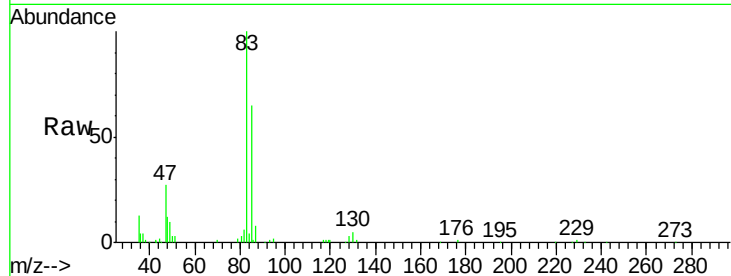
#29
Chloroform
Concen: 0.463 ppbv
RT: 5.82 min Scan# 896
Delta R.T. -0.00 min
Lab File: VL034003.D
Acq: 3 Jul 2019 3:10

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2019

Tot Ion	83	Resp	80974
Ion Ratio	100	Lower	Upper
83	100		
85	65.4	50.6	75.8

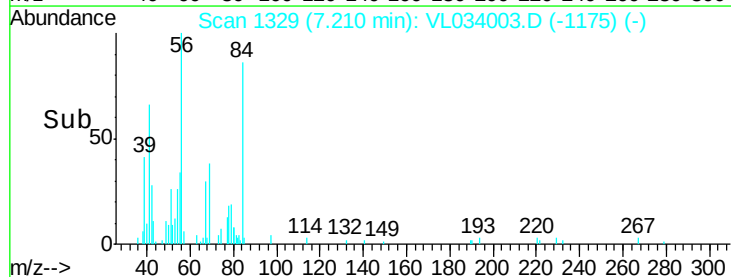
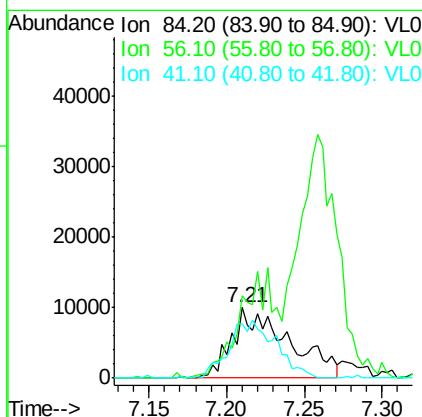
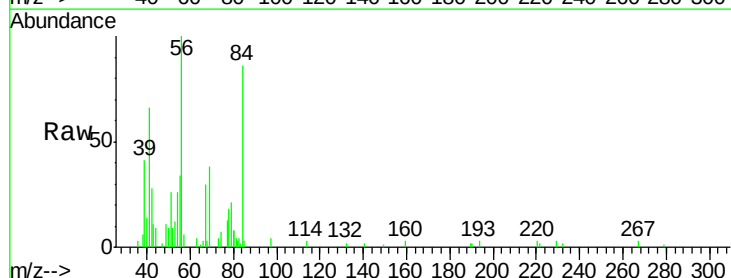
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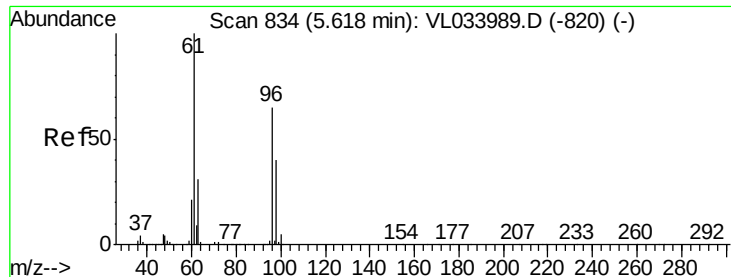
MMDadoda
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#30
Cyclohexane
Concen: 0.350 ppbv m
RT: 7.21 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VL034003.D
Acq: 3 Jul 2019 3:10

Tgt Ion	84	Resp	25139
Ion Ratio	100	Lower	Upper
84	100		
56	0.0	103.7	155.5#
41	0.0	62.6	94.0#





#31

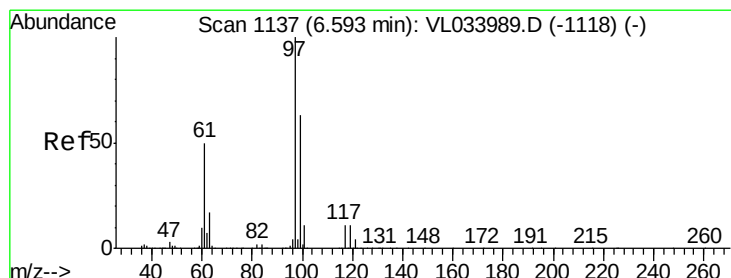
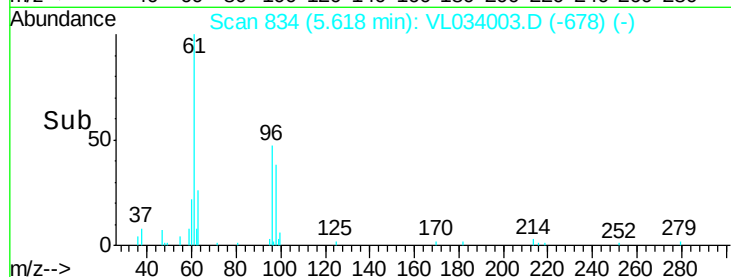
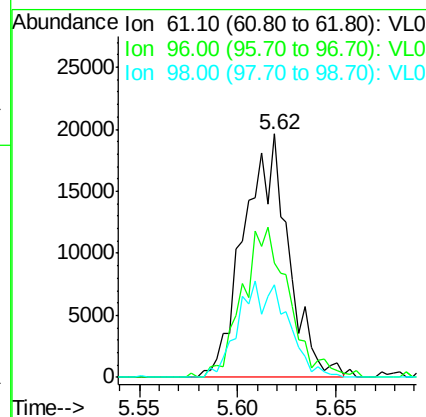
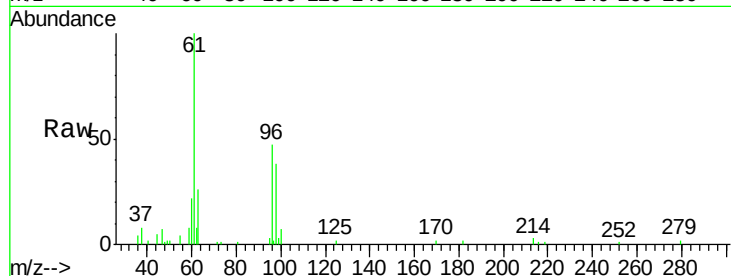
cis-1,2-Dichloroethene
 Concen: 0.346 ppbv m
 RT: 5.62 min Scan# 834
 Delta R.T. 0.00 min
 Lab File: VL034003.D
 Acq: 3 Jul 2019 3:10

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
61	100		
96	46.8	51.8	77.6#
98	38.1	32.1	48.1

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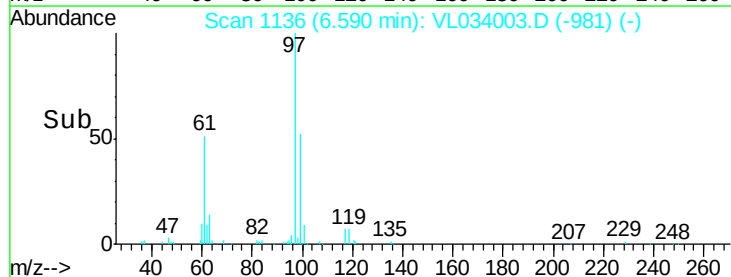
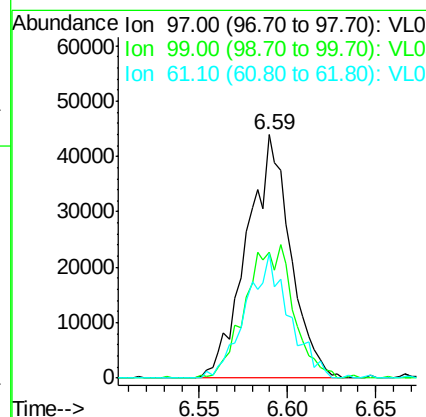
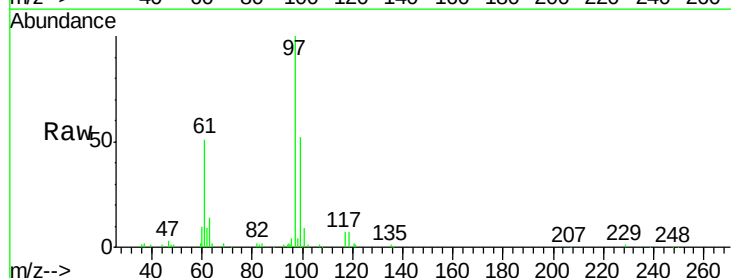
MMDadoda
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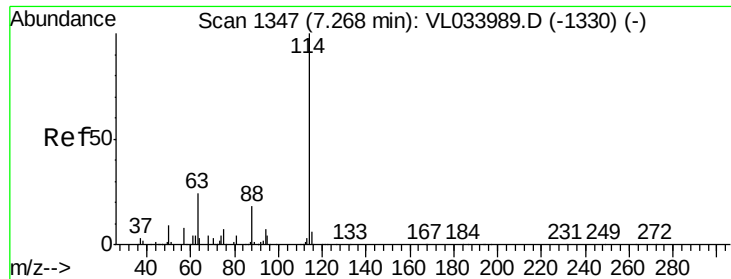


#32

1,1,1-Trichloroethane
 Concen: 0.427 ppbv m
 RT: 6.59 min Scan# 1136
 Delta R.T. -0.00 min
 Lab File: VL034003.D
 Acq: 3 Jul 2019 3:10

Tgt Ion	Ratio	Lower	Upper
97	100		
99	59.8	51.9	77.9
61	50.4	39.8	59.8





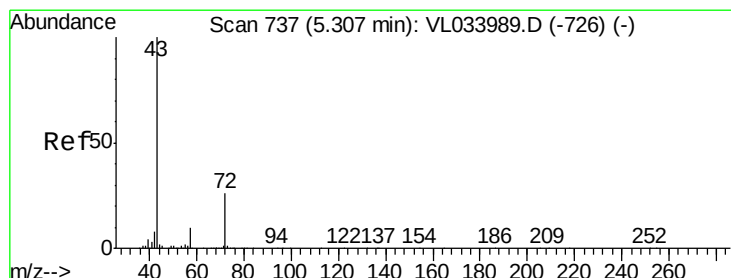
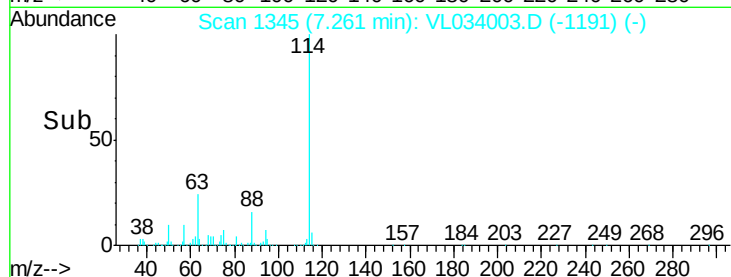
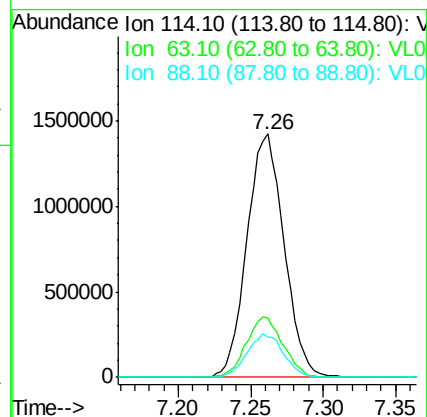
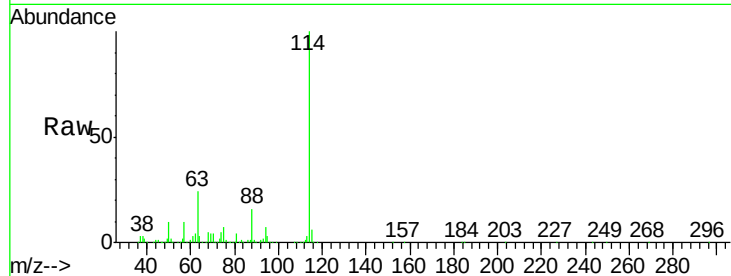
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.26 min Scan# 1345
 Delta R.T. -0.01 min
 Lab File: VL034003.D
 Acq: 3 Jul 2019 3:10

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
114	100		
63	24.7	20.2	30.2
88	17.6	14.1	21.1

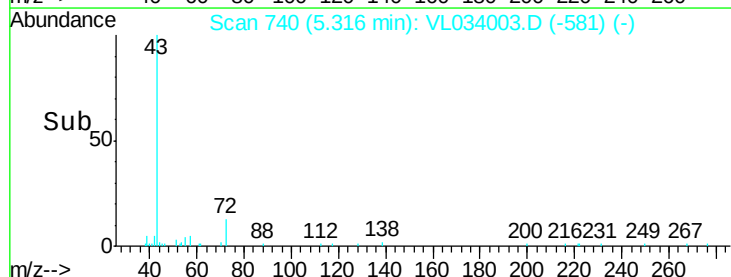
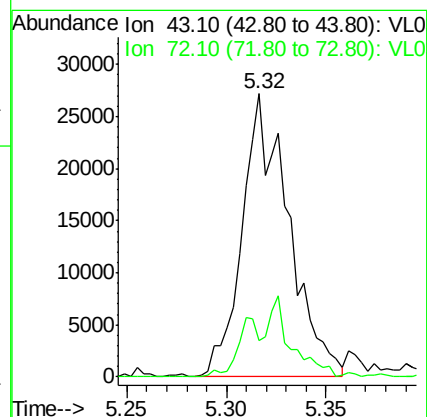
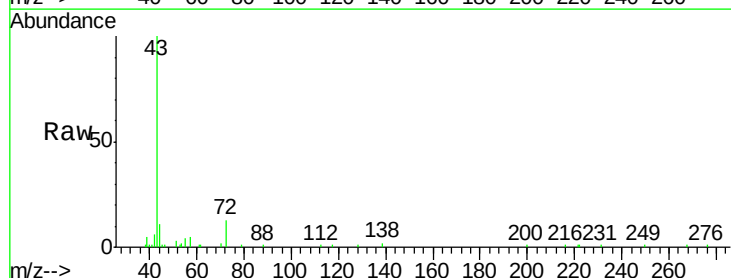
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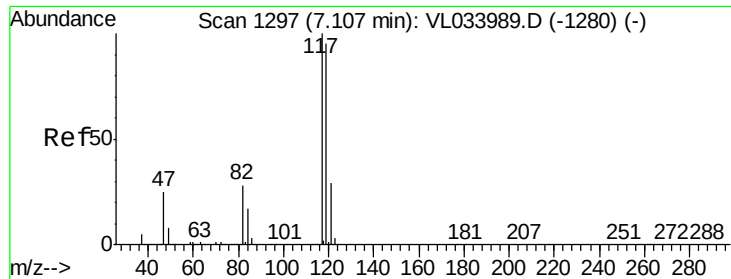
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#34
 2-Butanone
 Concen: 0.327 ppbv m
 RT: 5.32 min Scan# 740
 Delta R.T. 0.01 min
 Lab File: VL034003.D
 Acq: 3 Jul 2019 3:10

Tgt Ion	Ratio	Lower	Upper
43	100		
72	0.0	19.9	29.9#





#35

Carbon Tetrachloride

Concen: 0.412 ppbv

RT: 7.10 min Scan# 1296

Delta R.T. -0.00 min

Lab File: VL034003.D

Acq: 3 Jul 2019 3:10

Instrument :

MSVOA_L

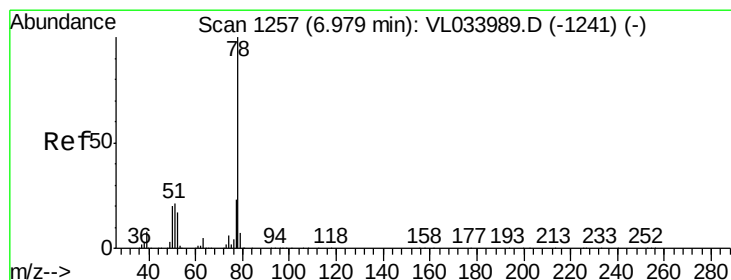
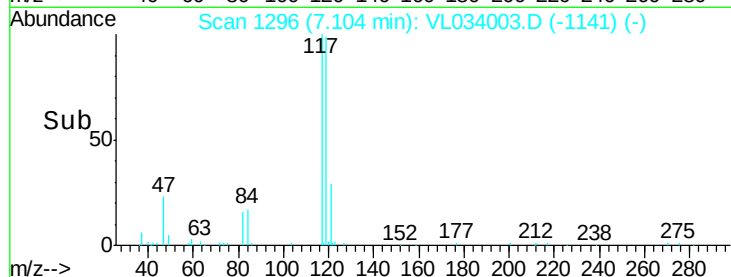
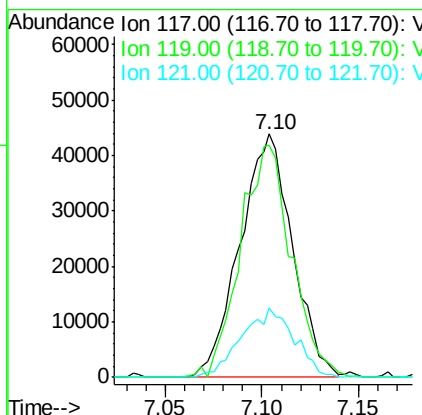
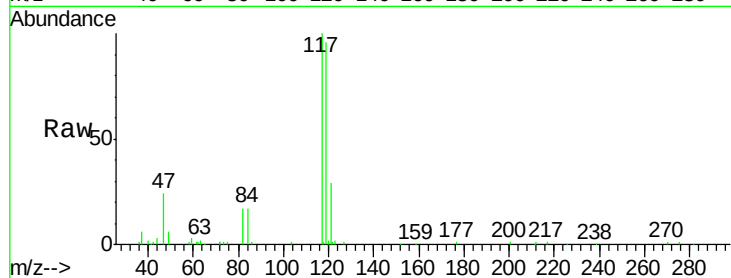
ClientSampleId :

LOD-MDL-AIR-01-QT3-2019

Tot Ion:	117	Resp:	82927
Ion Ratio	Lower	Upper	
117	100		
119	94.8	75.8	113.6
121	28.8	23.4	35.2

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#36

Benzene

Concen: 0.302 ppbv

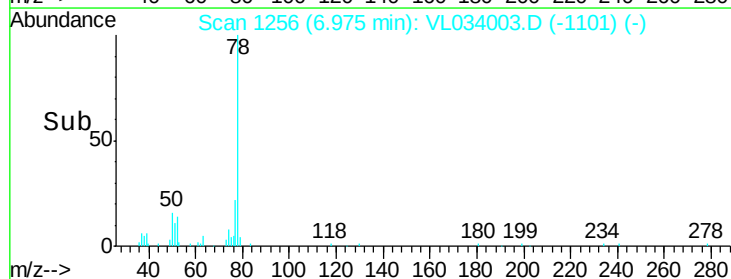
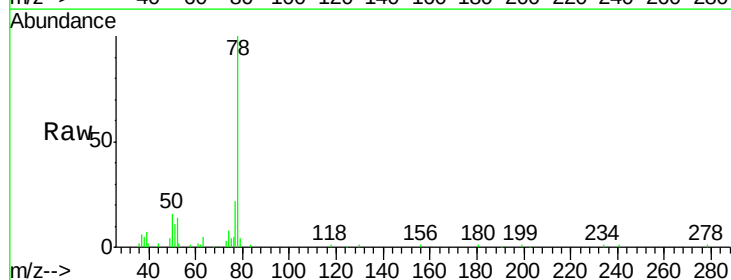
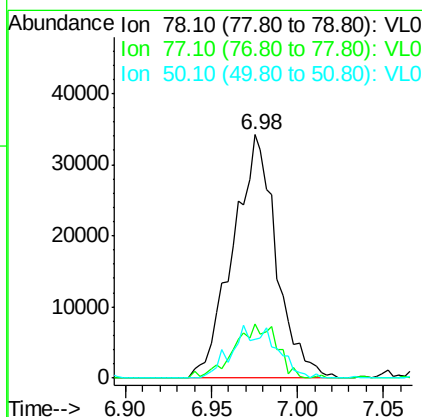
RT: 6.98 min Scan# 1256

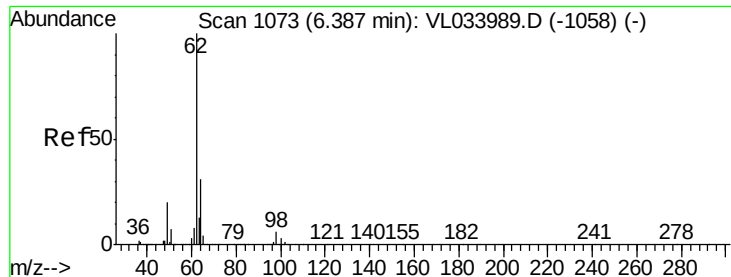
Delta R.T. -0.00 min

Lab File: VL034003.D

Acq: 3 Jul 2019 3:10

Tgt Ion:	78	Resp:	60133
Ion Ratio	Lower	Upper	
78	100		
77	22.3	18.7	28.1
50	16.0	16.2	24.2#





#37

1,2-Dichloroethane

Concen: 0.380 ppbv m

RT: 6.38 min Scan# 1070

Delta R.T. -0.01 min

Lab File: VL034003.D

Acq: 3 Jul 2019 3:10

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT3-2019

Tot Ion: 62 Resp: 55780

Ion Ratio Lower Upper

62 100

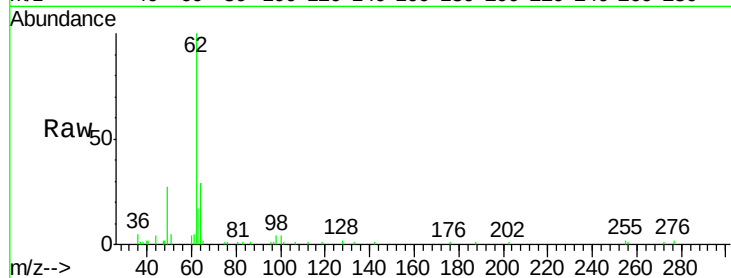
98 5.8 4.4 6.6

Manual Integrations

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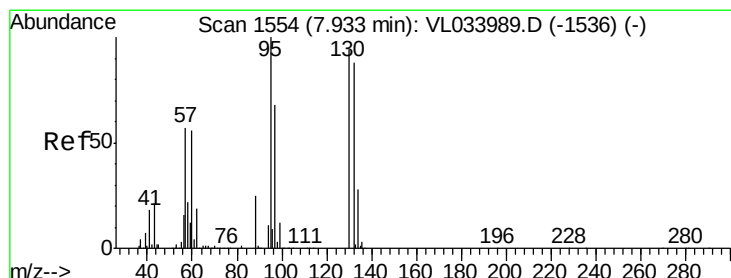
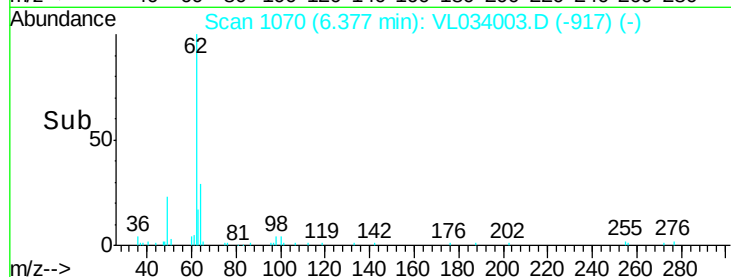
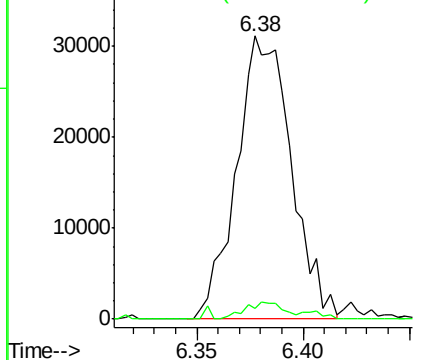
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#38

Trichloroethene

Concen: 0.311 ppbv m

RT: 7.93 min Scan# 1552

Delta R.T. -0.01 min

Lab File: VL034003.D

Acq: 3 Jul 2019 3:10

Tgt Ion: 130 Resp: 27572

Ion Ratio Lower Upper

130 100

95 79.4 85.5 128.3#

132 65.2 75.1 112.7#

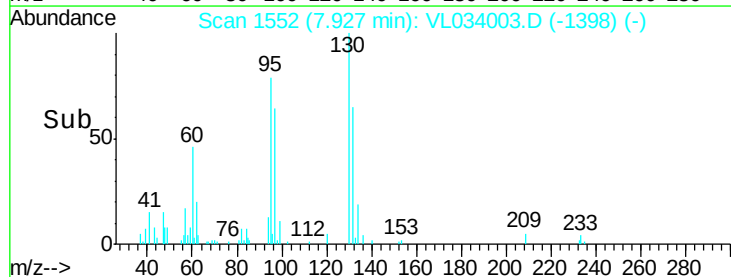
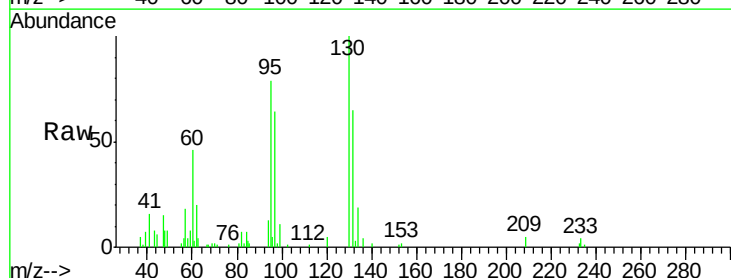
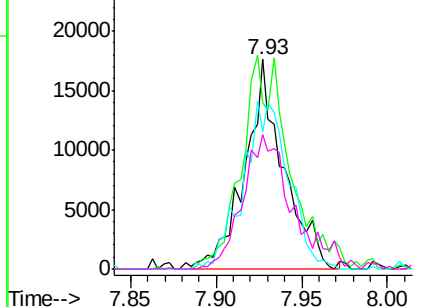
97 63.9 58.1 87.1

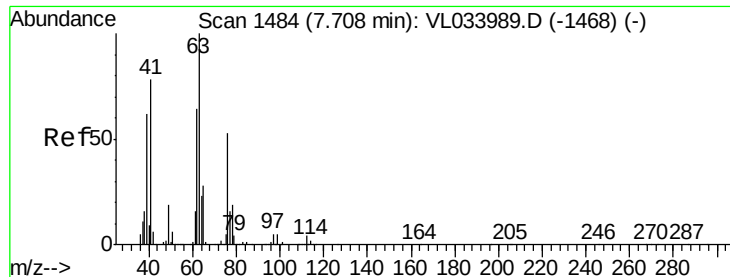
Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0





#39

1,2-Dichloropropane

Concen: 0.363 ppbv m

RT: 7.70 min Scan# 1482

Delta R.T. -0.01 min

Lab File: VL034003.D

Acq: 3 Jul 2019 3:10

Instrument :

MSVOA_L

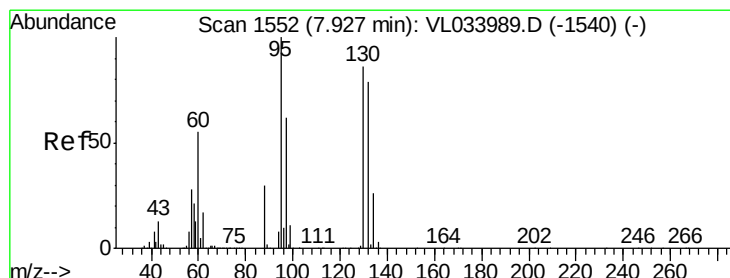
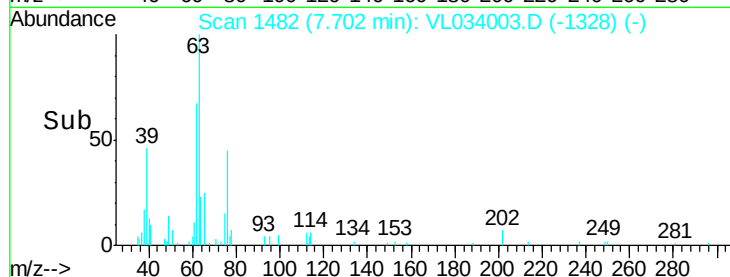
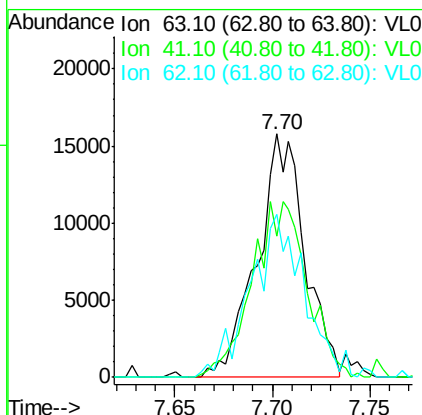
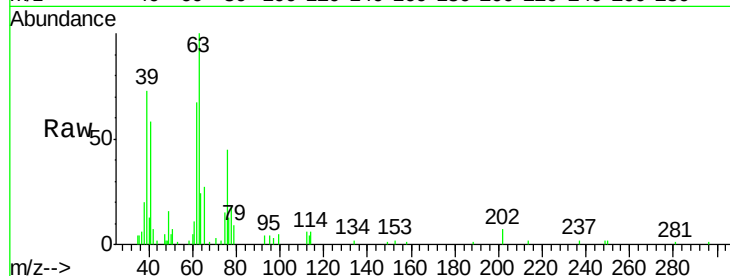
ClientSampleId :

LOD-MDL-AIR-01-QT3-2019

Tot Ion:	63	Resp:	26856
Ion Ratio	Lower	Upper	
63	100		
41	57.9	62.3	93.5#
62	66.7	51.4	77.2

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#40

1,4-Dioxane

Concen: 0.318 ppbv m

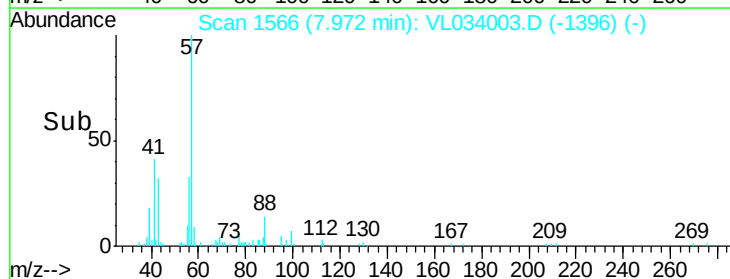
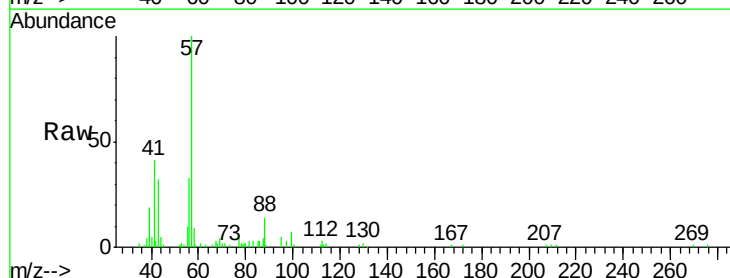
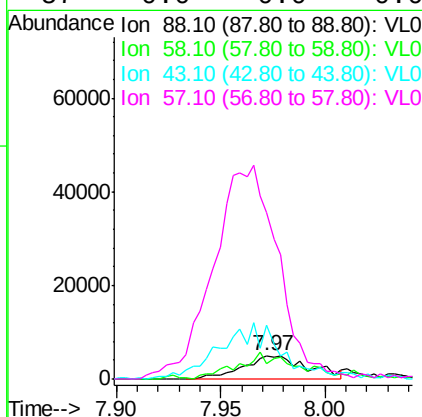
RT: 7.97 min Scan# 1566

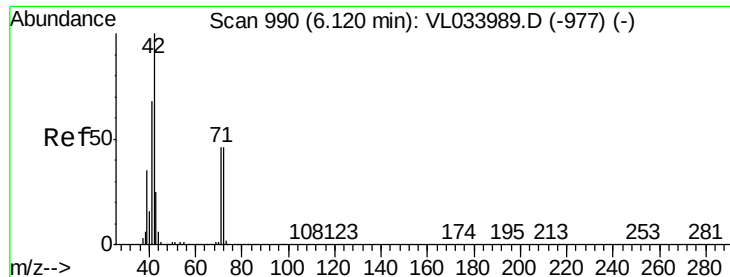
Delta R.T. 0.05 min

Lab File: VL034003.D

Acq: 3 Jul 2019 3:10

Tgt Ion:	88	Resp:	10850
Ion Ratio	Lower	Upper	
88	100		
58	0.0	99.1	148.7#
43	0.0	0.0	0.0
57	0.0	0.0	0.0





#41

Tetrahydrofuran

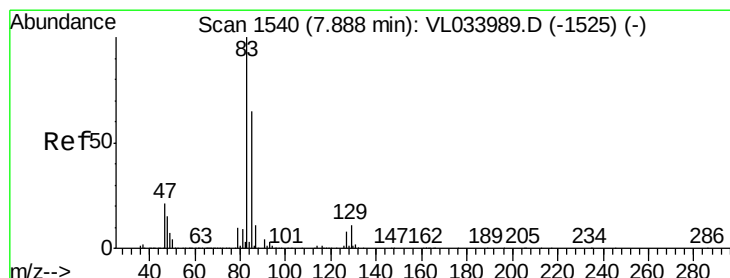
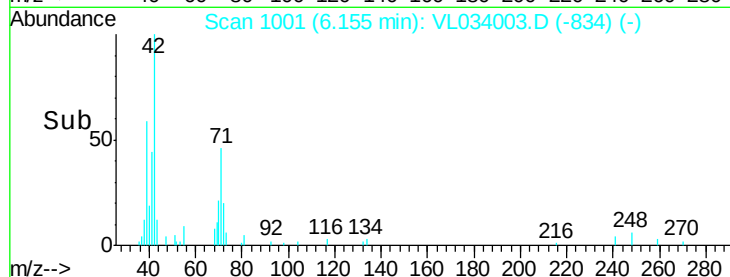
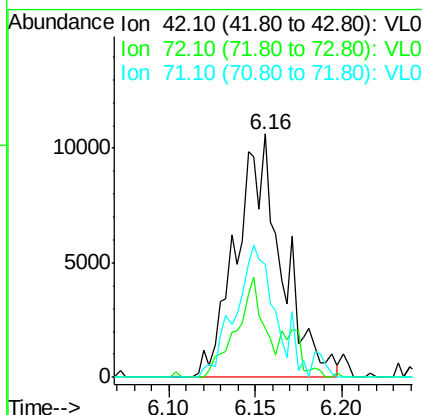
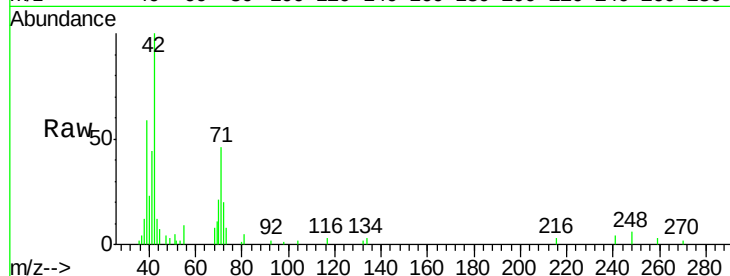
Concen: 0.294 ppbv m
RT: 6.16 min Scan# 1001
Delta R.T. 0.04 min
Lab File: VL034003.D
Acq: 3 Jul 2019 3:10

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
42	100		
72	0.0	37.3	55.9#
71	0.0	36.2	54.2#

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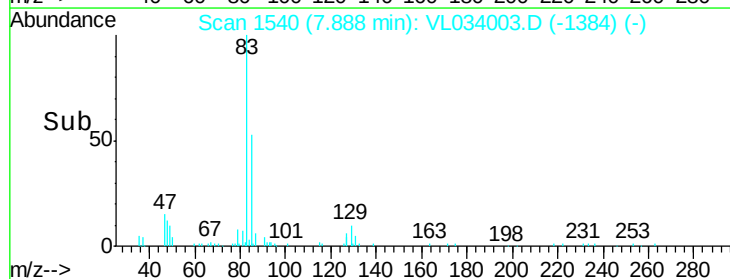
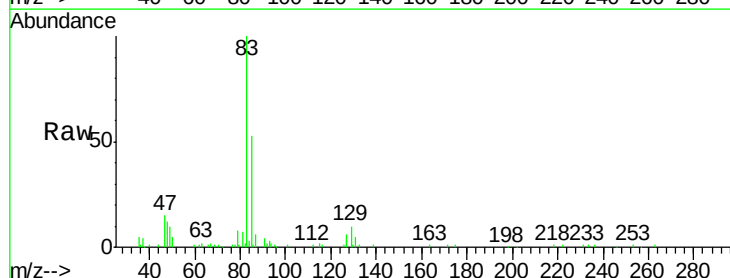
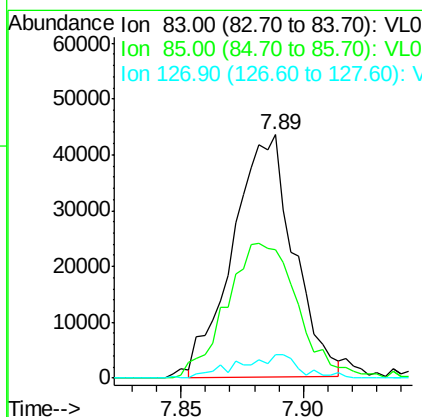


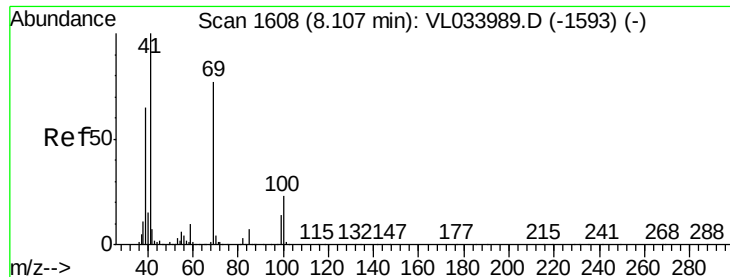
#42

Bromodichloromethane

Concen: 0.382 ppbv
RT: 7.89 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VL034003.D
Acq: 3 Jul 2019 3:10

Tgt Ion	Ratio	Lower	Upper
83	100		
85	50.1	51.8	77.8#
127	10.2	6.5	9.7#





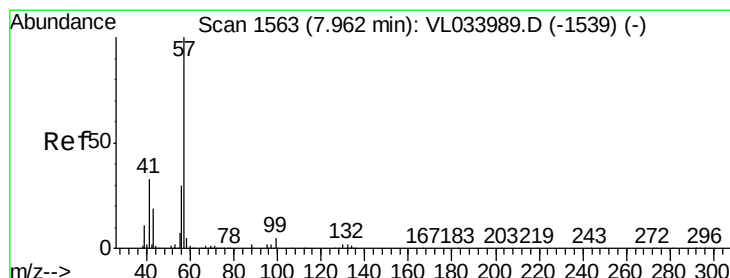
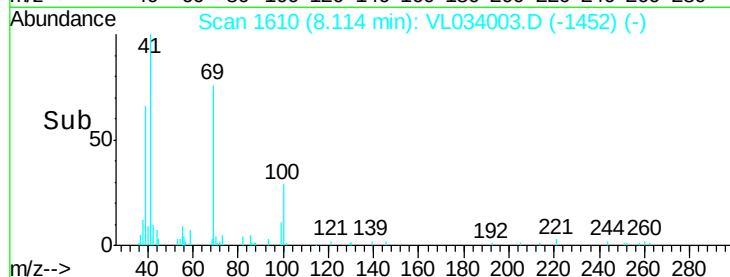
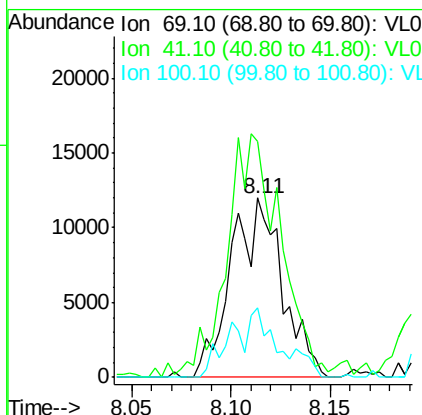
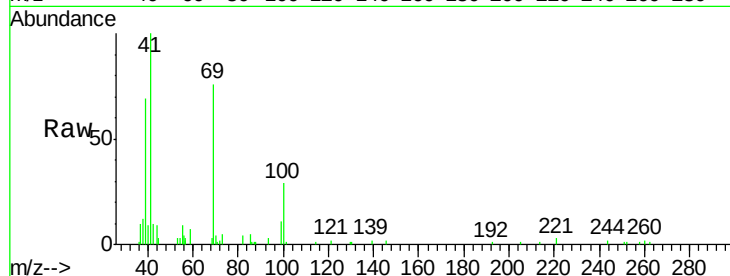
#43
Methyl Methacrylate
Concen: 0.284 ppbv m
RT: 8.11 min Scan# 1610
Delta R.T. 0.01 min
Lab File: VL034003.D
Acq: 3 Jul 2019 3:10

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
69	100		
41	0.0	109.1	163.7#
100	0.0	25.3	37.9#

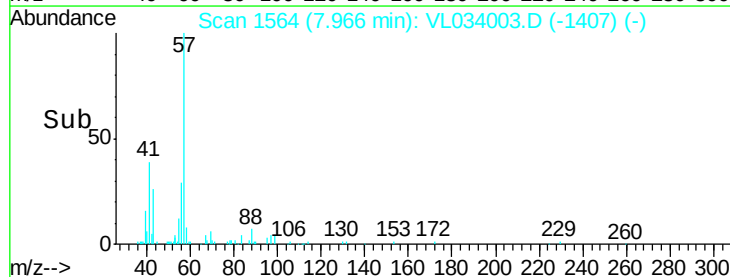
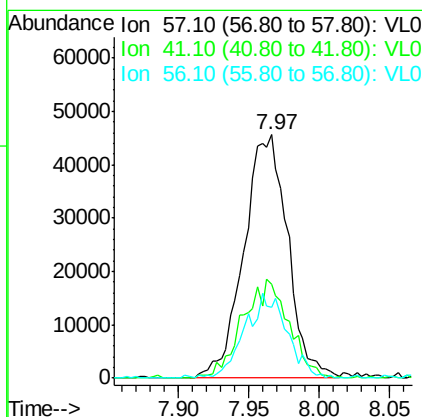
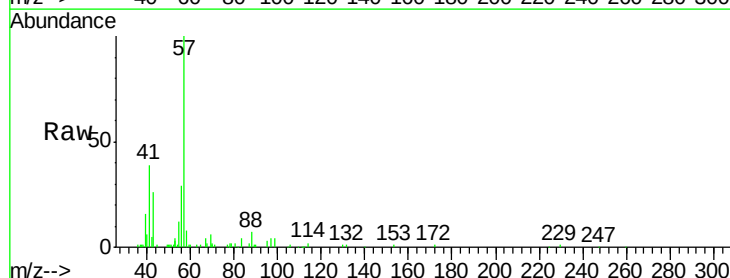
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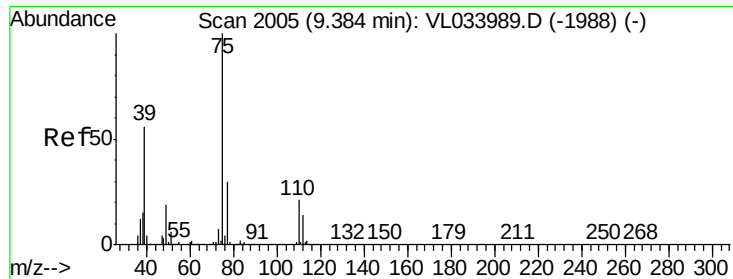
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#44
2,2,4-Trimethylpentane
Concen: 0.287 ppbv m
RT: 7.97 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VL034003.D
Acq: 3 Jul 2019 3:10

Tgt Ion	Ratio	Lower	Upper
57	100		
41	0.0	26.1	39.1#
56	33.6	24.4	36.6





#45

t-1,3-Dichloropropene

Concen: 0.248 ppbv m

RT: 9.38 min Scan# 2003

Delta R.T. -0.01 min

Lab File: VL034003.D

Acq: 3 Jul 2019 3:10

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT3-2019

Tot Ion: 75 Resp: 24511

Ion Ratio Lower Upper

75 100

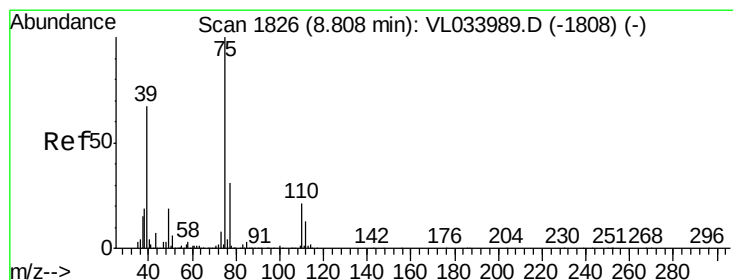
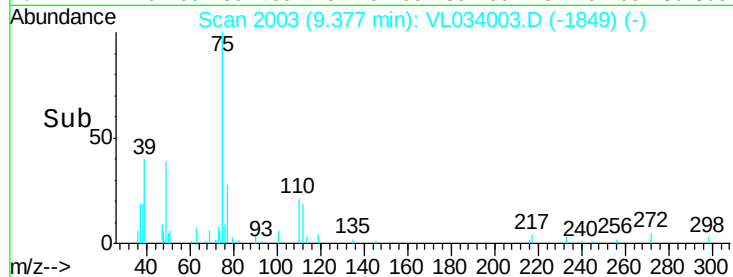
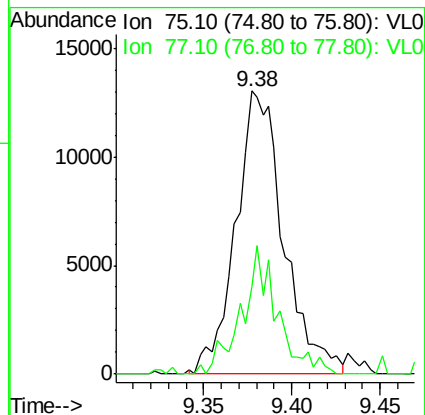
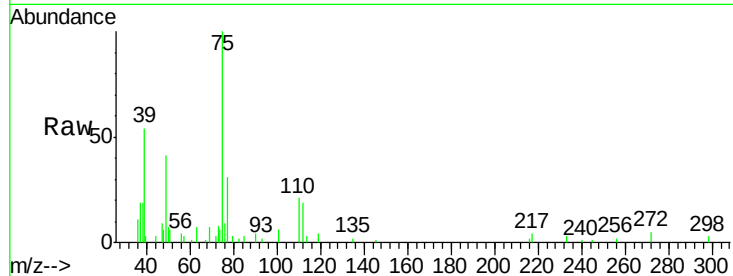
77 30.7 24.3 36.5

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#46

cis-1,3-Dichloropropene

Concen: 0.232 ppbv

RT: 8.80 min Scan# 1824

Delta R.T. -0.01 min

Lab File: VL034003.D

Acq: 3 Jul 2019 3:10

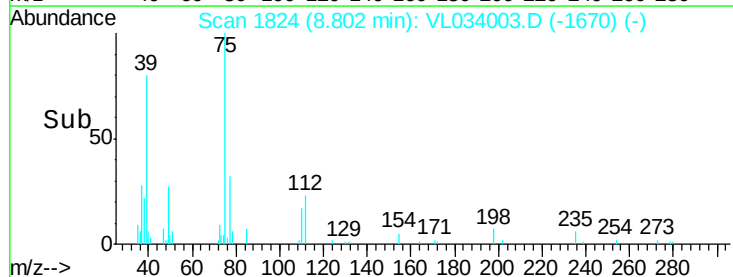
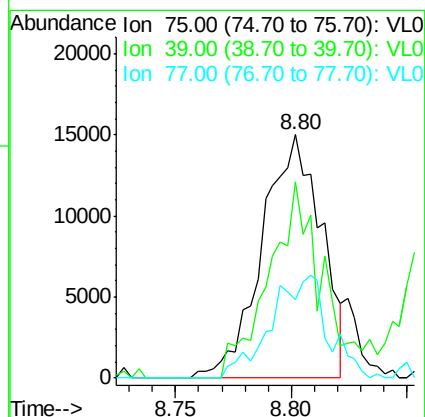
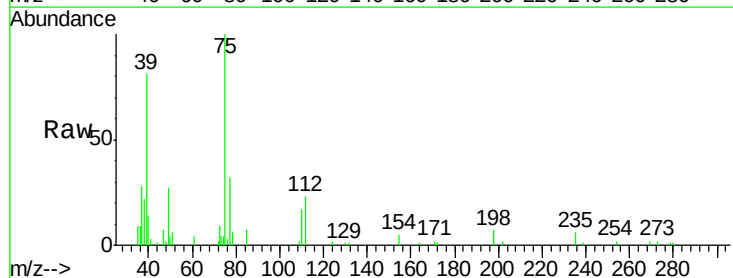
Tgt Ion: 75 Resp: 26584

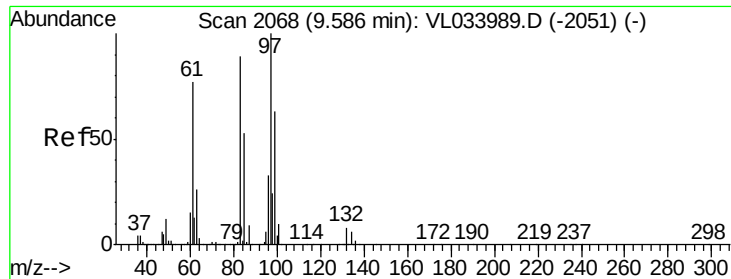
Ion Ratio Lower Upper

75 100

39 75.2 53.8 80.6

77 32.4 24.5 36.7





#47

1,1,2-Trichloroethane

Concen: 0.371 ppbv m

RT: 9.58 min Scan# 2065

Delta R.T. -0.01 min

Lab File: VL034003.D

Acq: 3 Jul 2019 3:10

Instrument :

MSVOA_L

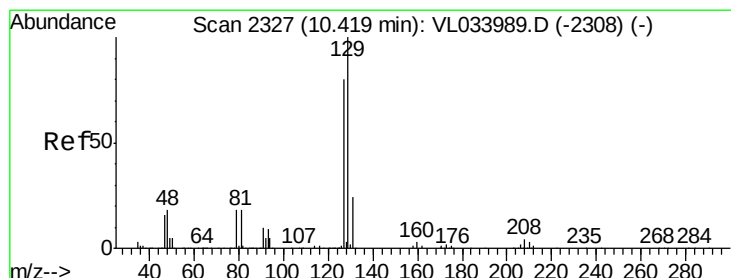
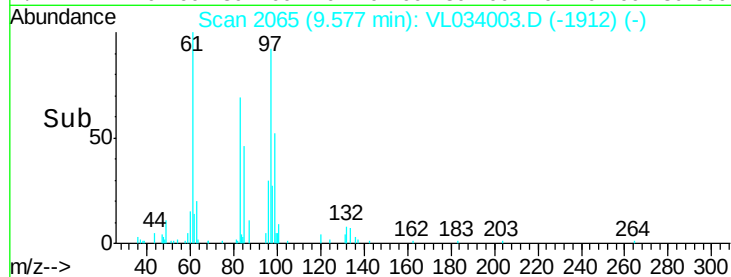
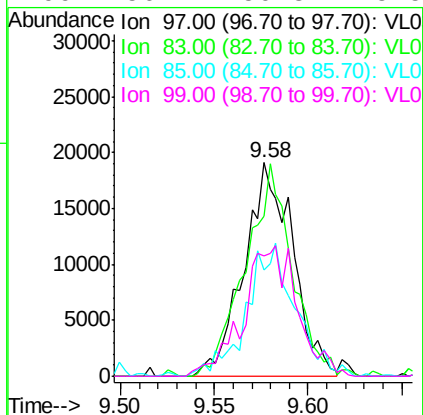
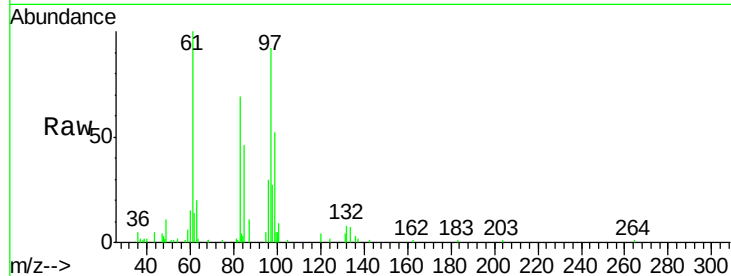
ClientSampleId :

LOD-MDL-AIR-01-QT3-2019

Tot Ion:	97	Resp:	34494
Ion	Ratio	Lower	Upper
97	100		
83	75.0	71.1	106.7
85	50.0	42.6	64.0
99	56.1	50.3	75.5

Manual Integrations
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#48

Dibromochloromethane

Concen: 0.360 ppbv m

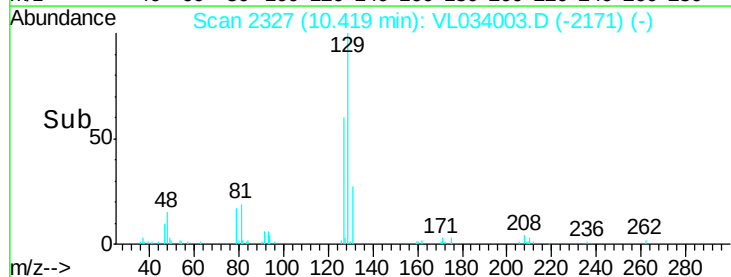
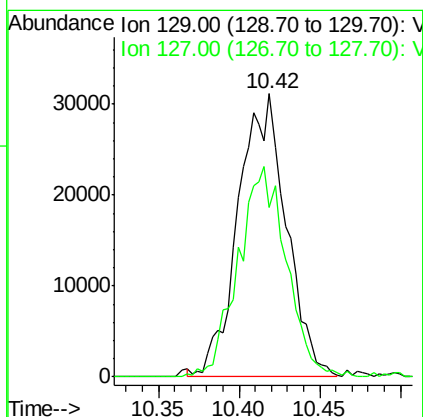
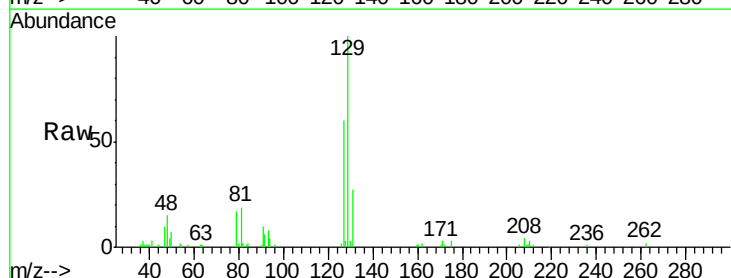
RT: 10.42 min Scan# 2327

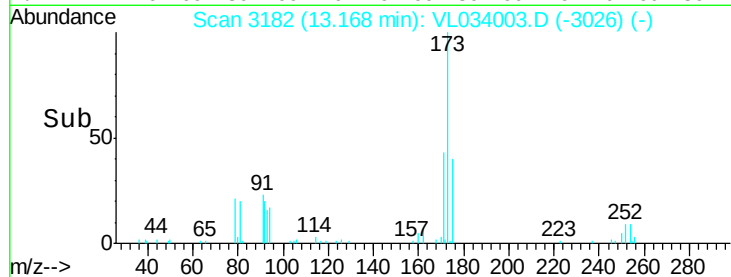
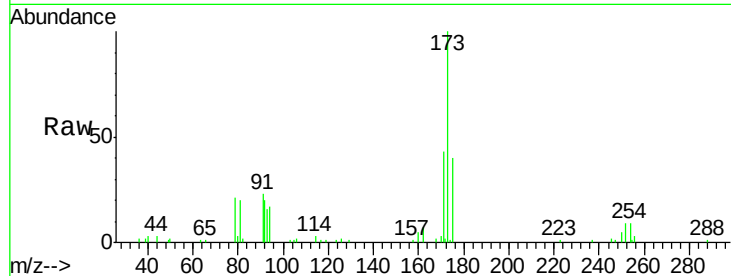
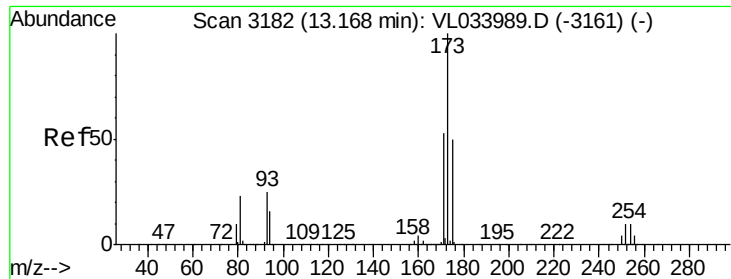
Delta R.T. 0.00 min

Lab File: VL034003.D

Acq: 3 Jul 2019 3:10

Tgt Ion:	129	Resp:	63928
Ion	Ratio	Lower	Upper
129	100		
127	0.0	39.1	117.3#





#49

Bromoform

Concen: 0.389 ppbv m

RT: 13.17 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VL034003.D

Acq: 3 Jul 2019 3:10

Tot Ion:	173	Resp:	59031
Ion Ratio	Lower	Upper	
173	100		
175	47.5	39.3	58.9
171	51.2	41.4	62.0

Instrument :

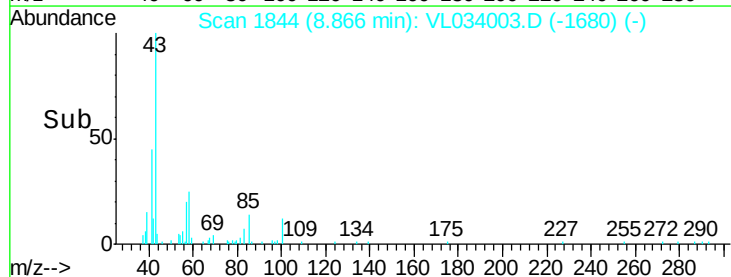
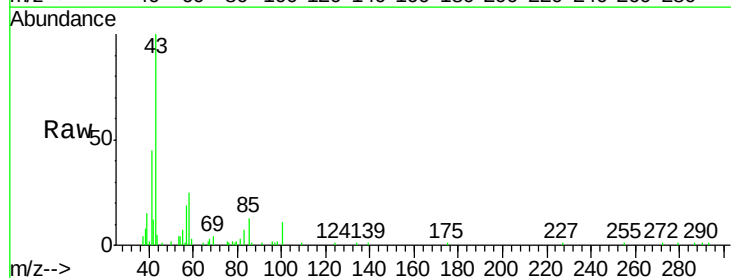
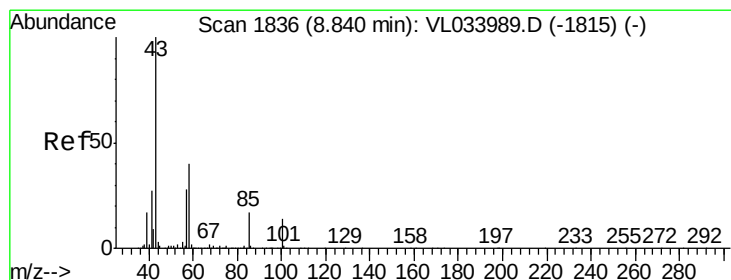
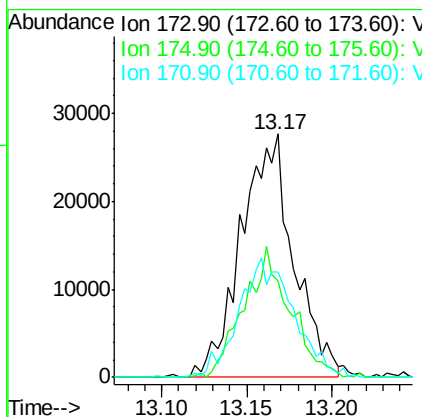
MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT3-2019

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#50

4-Methyl-2-Pentanone

Concen: 0.269 ppbv

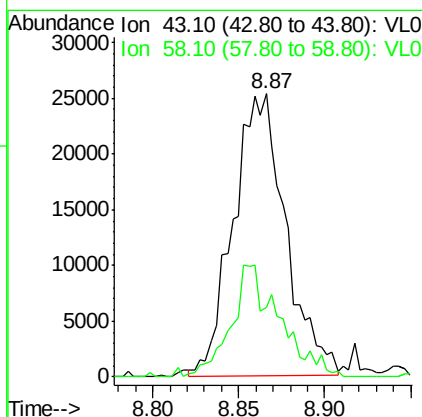
RT: 8.87 min Scan# 1844

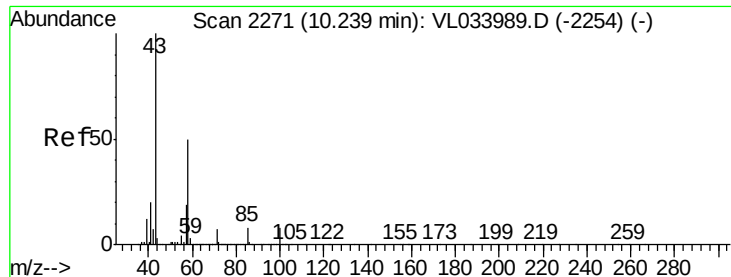
Delta R.T. 0.03 min

Lab File: VL034003.D

Acq: 3 Jul 2019 3:10

Tgt Ion:	43	Resp:	53791
Ion Ratio	Lower	Upper	
43	100		
58	37.0	30.3	45.5





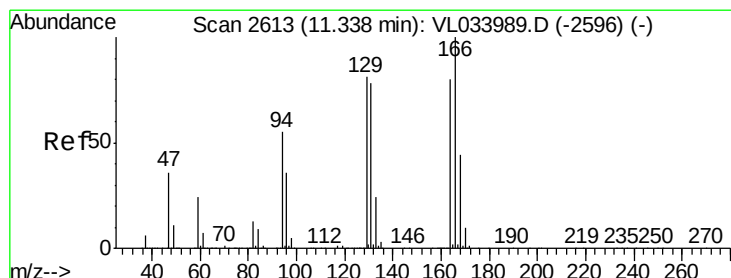
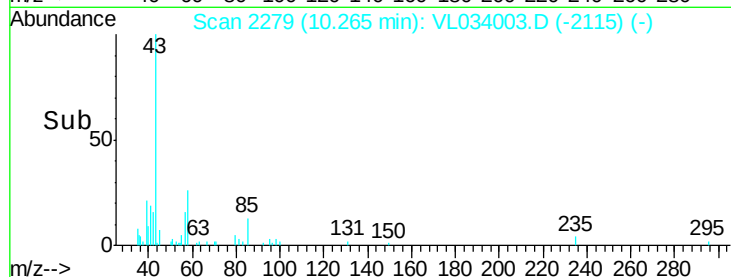
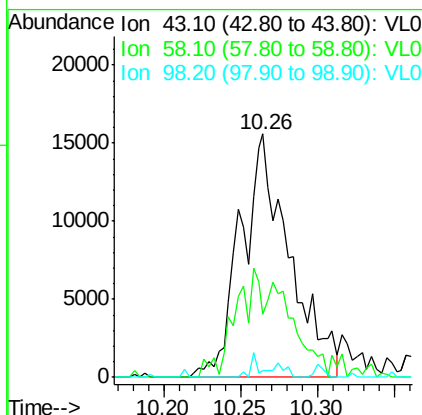
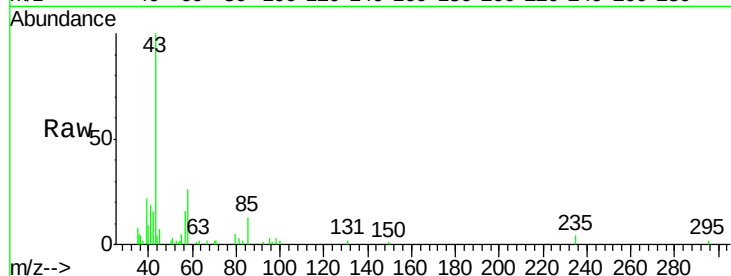
#51
2-Hexanone
Concen: 0.213 ppbv m
RT: 10.26 min Scan# 2279
Delta R.T. 0.03 min
Lab File: VL034003.D
Acq: 3 Jul 2019 3:10

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
43	100		
58	0.0	41.0	61.4#
98	0.3	0.2	0.2#

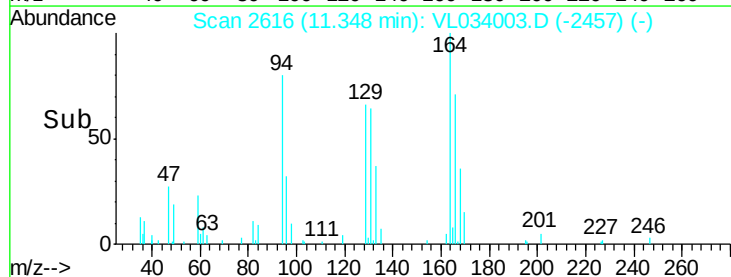
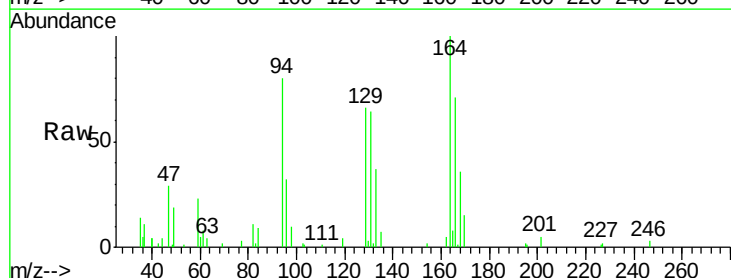
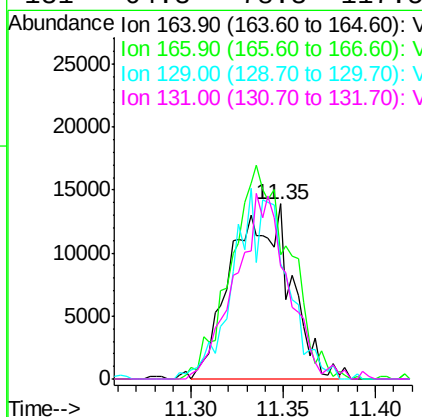
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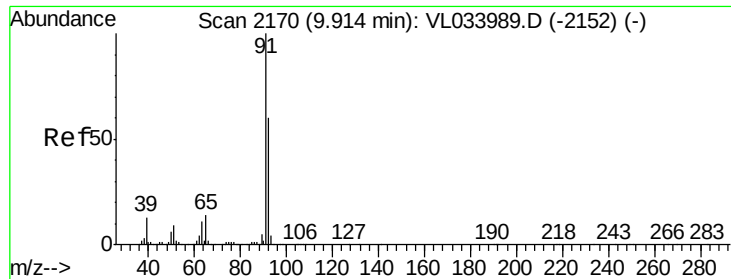
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#52
Tetrachloroethene
Concen: 0.359 ppbv m
RT: 11.35 min Scan# 2616
Delta R.T. 0.01 min
Lab File: VL034003.D
Acq: 3 Jul 2019 3:10

Tgt Ion	Ratio	Lower	Upper
164	100		
166	70.8	100.2	150.2#
129	65.9	81.0	121.6#
131	64.3	78.3	117.5#





#53

Toluene

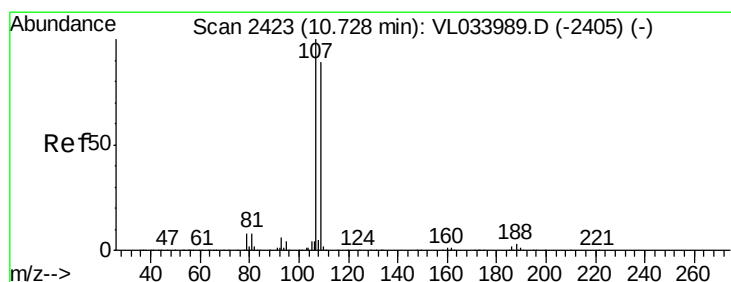
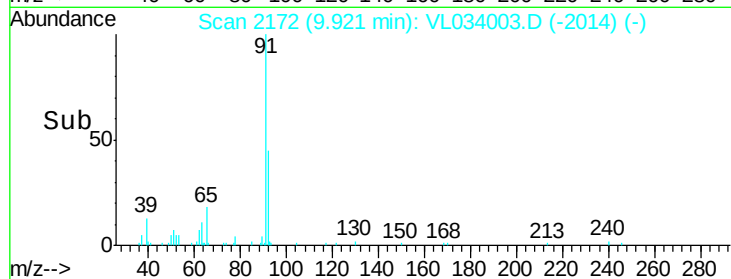
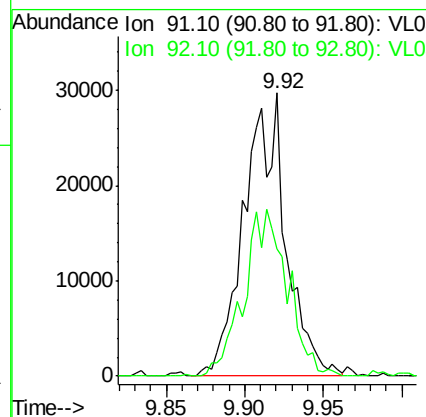
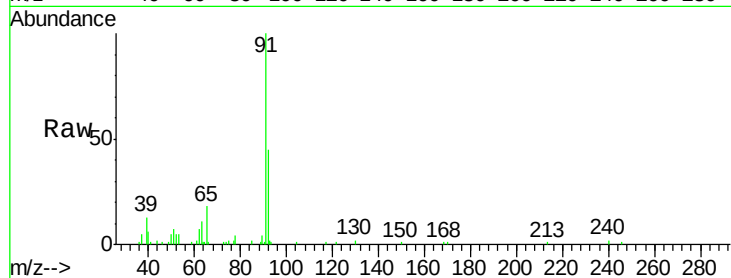
Concen: 0.240 ppbv m
RT: 9.92 min Scan# 2172
Delta R.T. 0.01 min
Lab File: VL034003.D
Acq: 3 Jul 2019 3:10

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2019

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
92	61.9	47.7	71.5	

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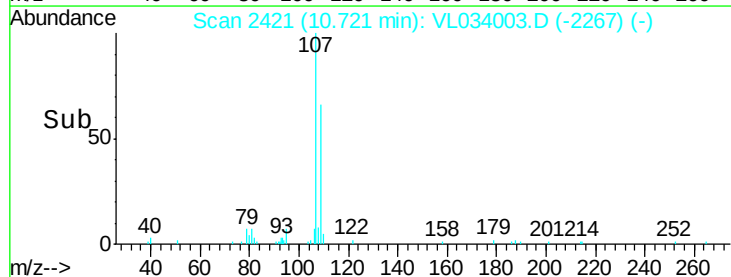
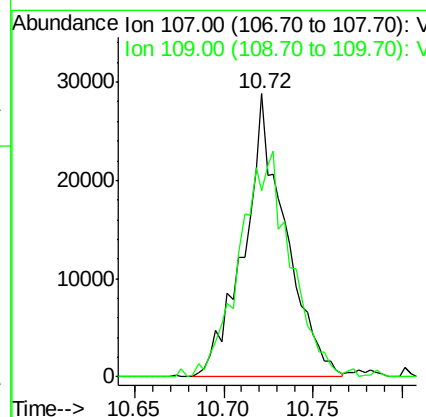
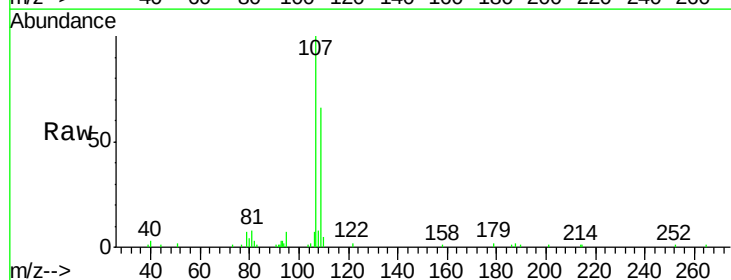


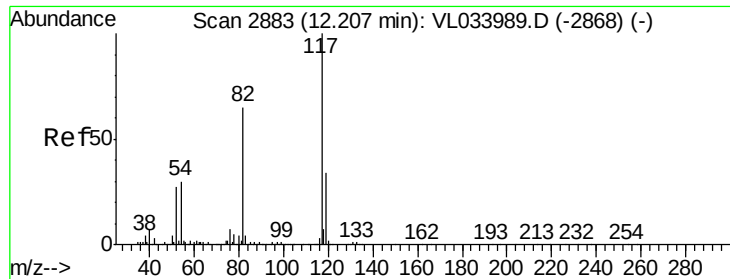
#54

1,2-Dibromoethane

Concen: 0.340 ppbv
RT: 10.72 min Scan# 2421
Delta R.T. -0.01 min
Lab File: VL034003.D
Acq: 3 Jul 2019 3:10

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
109	69.7	71.5	107.3#	





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.20 min Scan# 2882

Delta R.T. -0.00 min

Lab File: VL034003.D

Acq: 3 Jul 2019 3:10

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT3-2019

Tot Ion:117 Resp: 2445376

Ion Ratio Lower Upper

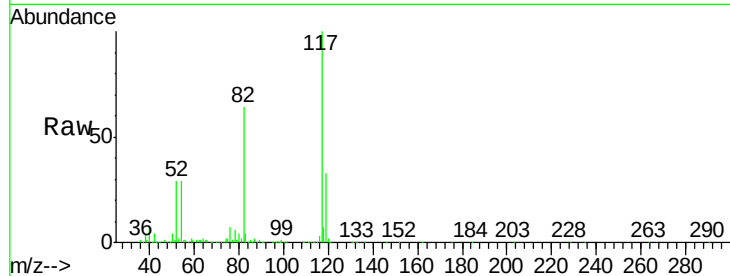
117 100

82 65.1 50.8 76.2

119 33.2 24.0 36.0

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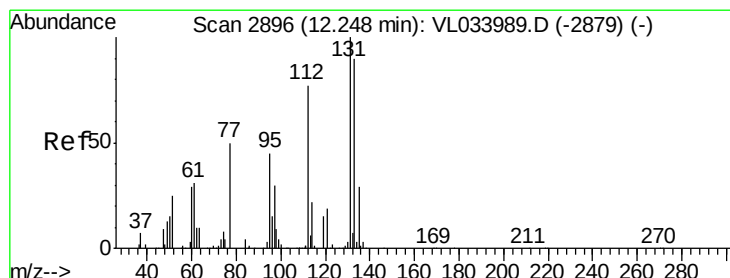
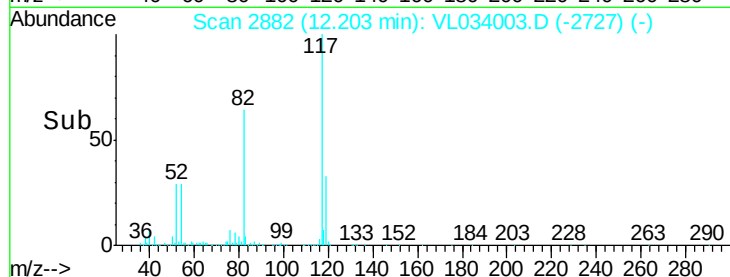
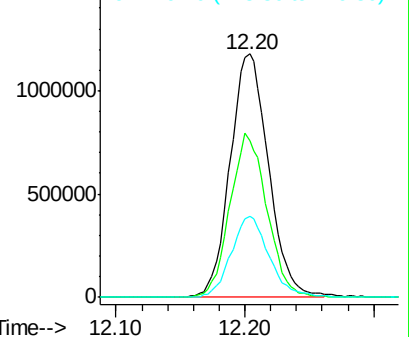
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Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 0.468 ppbv m

RT: 12.24 min Scan# 2893

Delta R.T. -0.01 min

Lab File: VL034003.D

Acq: 3 Jul 2019 3:10

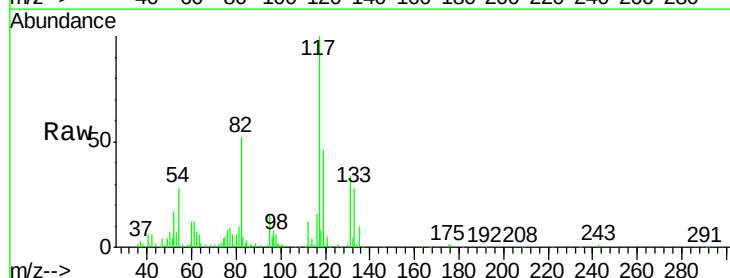
Tgt Ion:131 Resp: 51105

Ion Ratio Lower Upper

131 100

133 94.0 76.2 114.2

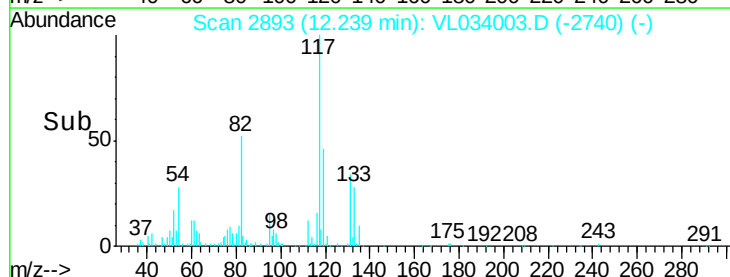
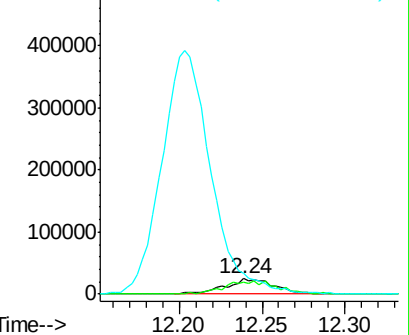
119 0.0 43.1 64.7#

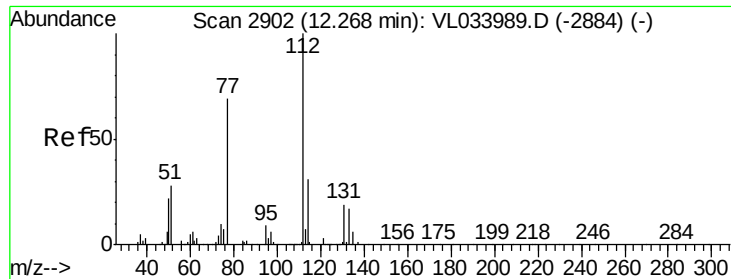


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 0.431 ppbv

RT: 12.26 min Scan# 2900

Delta R.T. -0.01 min

Lab File: VL034003.D

Acq: 3 Jul 2019 3:10

Instrument :

MSVOA_L

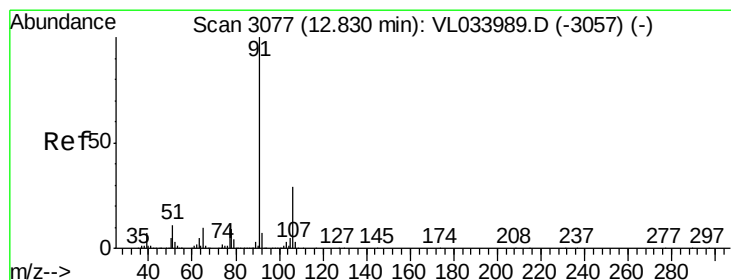
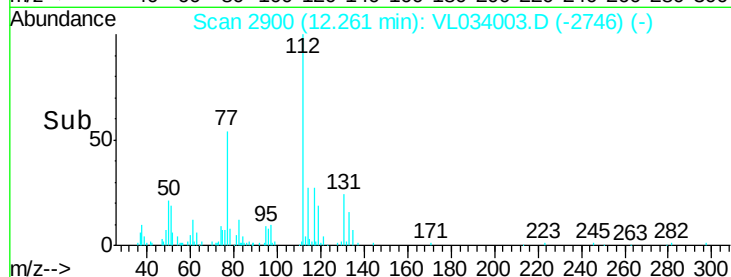
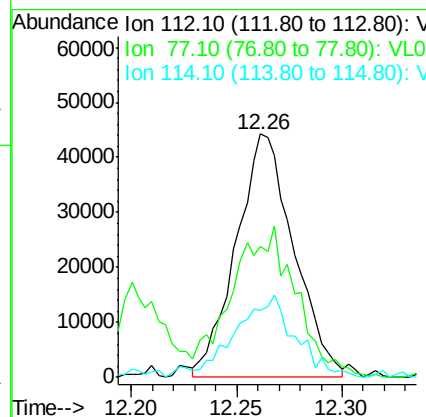
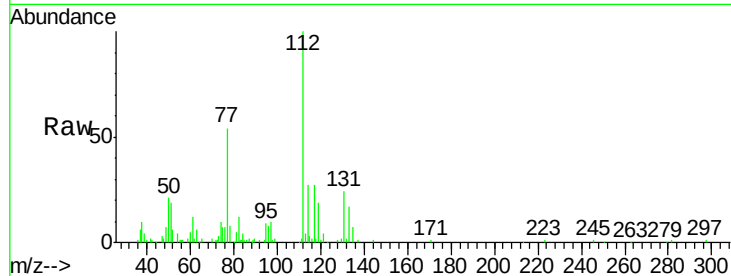
ClientSampleId :

LOD-MDL-AIR-01-QT3-2019

Tot Ion:	112	Resp:	83939
Ion Ratio	Lower	Upper	
112	100		
77	51.1	55.9	83.9#
114	25.6	27.6	33.8#

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#58

Ethyl Benzene

Concen: 0.266 ppbv m

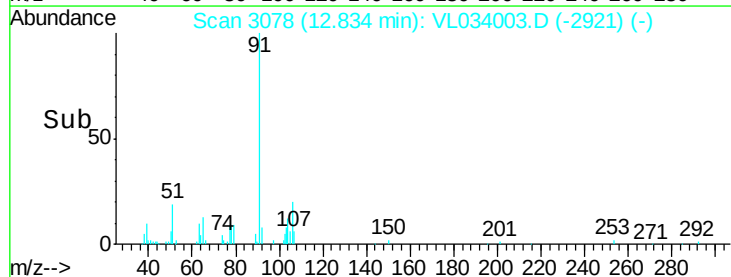
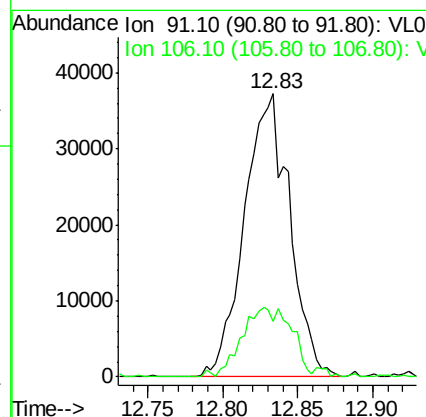
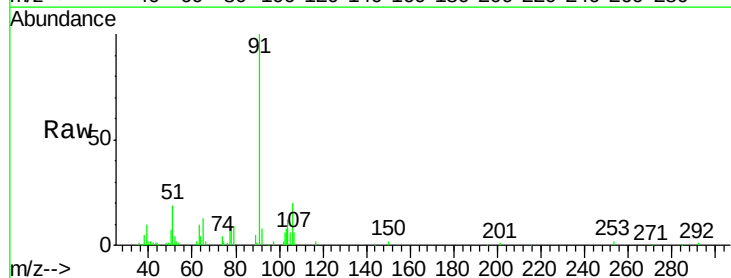
RT: 12.83 min Scan# 3078

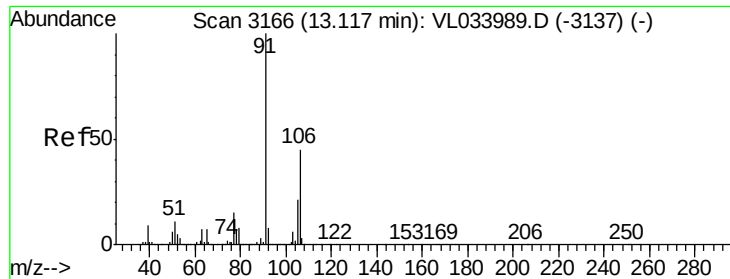
Delta R.T. 0.00 min

Lab File: VL034003.D

Acq: 3 Jul 2019 3:10

Tgt Ion:	91	Resp:	78123
Ion Ratio	Lower	Upper	
91	100		
106	19.6	23.3	34.9#





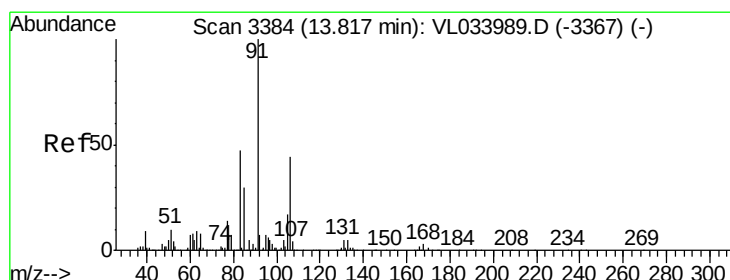
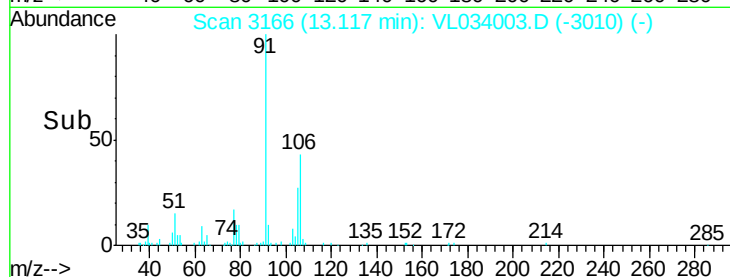
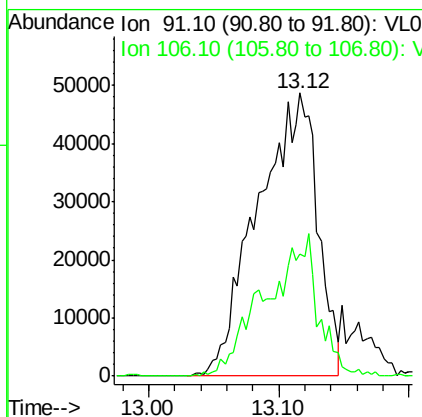
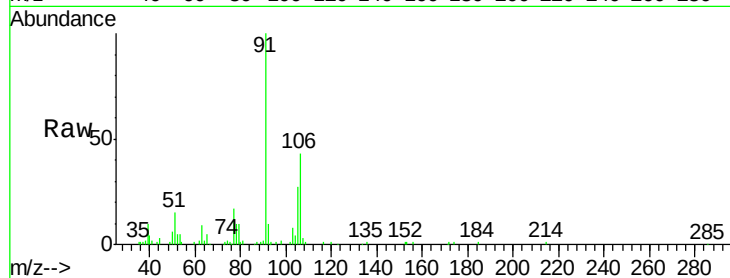
#59
m/p-Xylene
Concen: 0.583 ppbv m
RT: 13.12 min Scan# 3166
Delta R.T. 0.00 min
Lab File: VL034003.D
Acq: 3 Jul 2019 3:10

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2019

Tot Ion: 91 Resp: 155237
Ion Ratio Lower Upper
91 100
106 0.0 35.7 53.5#

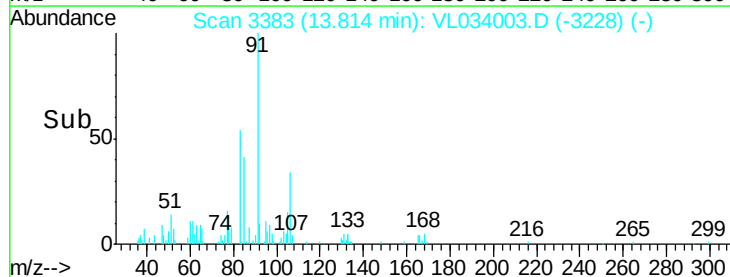
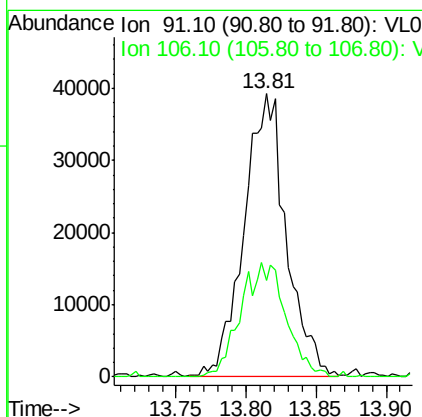
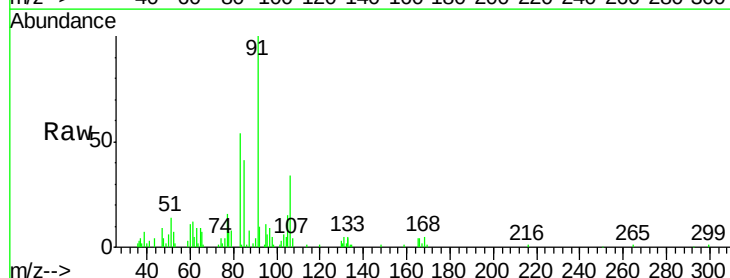
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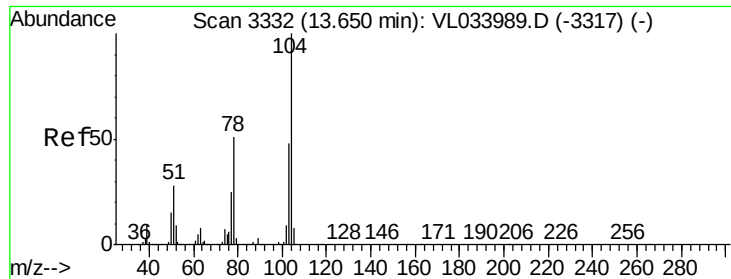
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#60
o-Xylene
Concen: 0.311 ppbv m
RT: 13.81 min Scan# 3383
Delta R.T. -0.00 min
Lab File: VL034003.D
Acq: 3 Jul 2019 3:10

Tgt Ion: 91 Resp: 82772
Ion Ratio Lower Upper
91 100
106 43.2 21.9 65.7





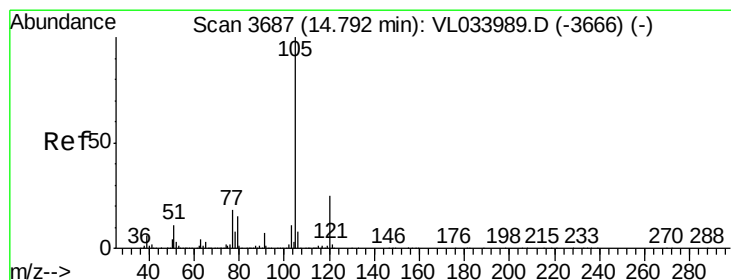
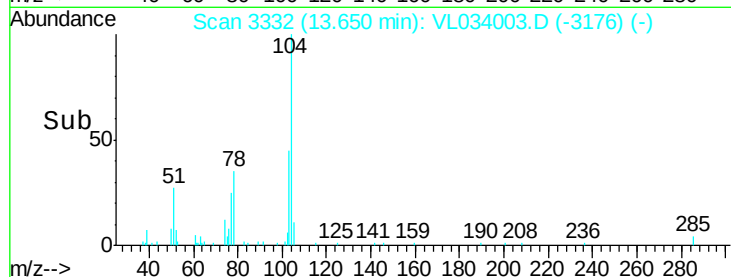
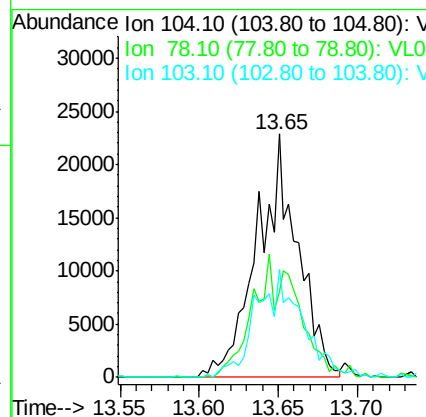
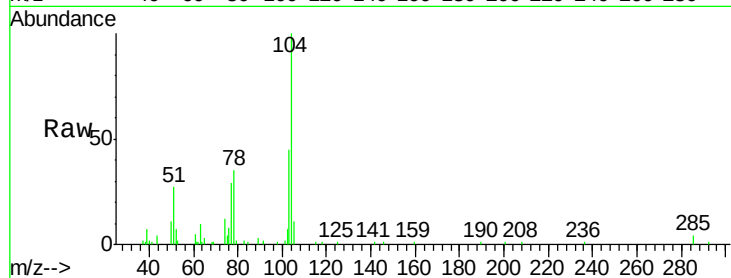
#61
Stvrene
Concen: 0.234 ppbv m
RT: 13.65 min Scan# 3332
Delta R.T. 0.00 min
Lab File: VL034003.D
Acq: 3 Jul 2019 3:10

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
104	100		
78	56.5	43.9	65.9
103	50.6	38.1	57.1

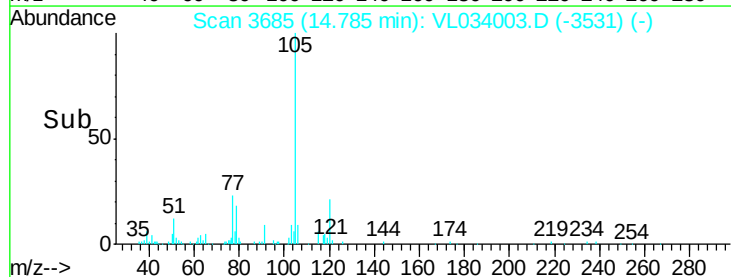
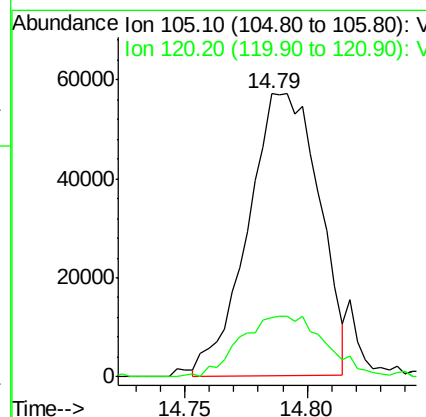
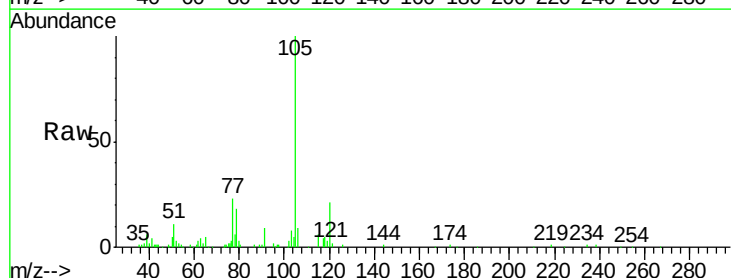
Manual Integrations
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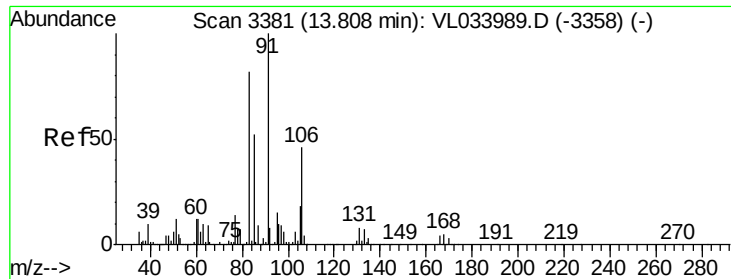
MMDadoda
7/3/2019 11:03:42 PM



#62
Isopropylbenzene
Concen: 0.281 ppbv
RT: 14.79 min Scan# 3685
Delta R.T. -0.01 min
Lab File: VL034003.D
Acq: 3 Jul 2019 3:10

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.2	20.4	30.6





#63

1,1,2,2-Tetrachloroethane

Concen: 0.383 ppbv

RT: 13.80 min Scan# 3379

Delta R.T. -0.01 min

Lab File: VL034003.D

Acq: 3 Jul 2019 3:10

Instrument :

MSVOA_L

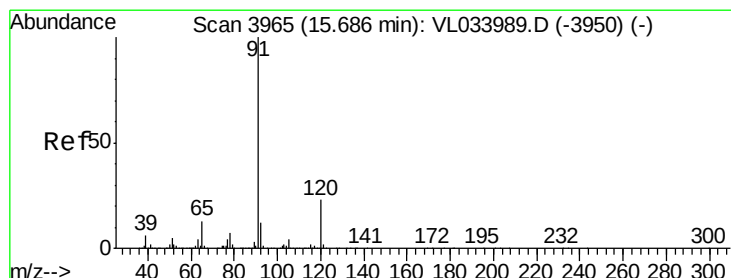
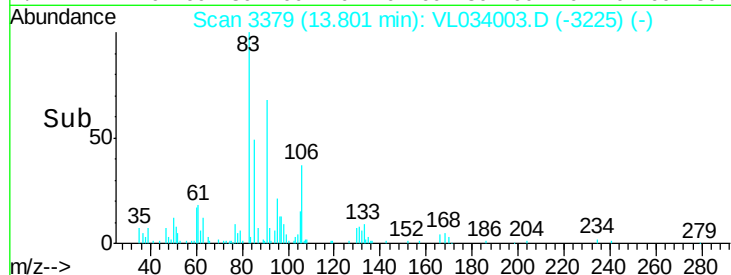
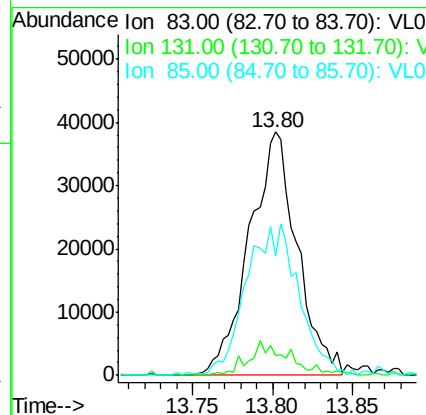
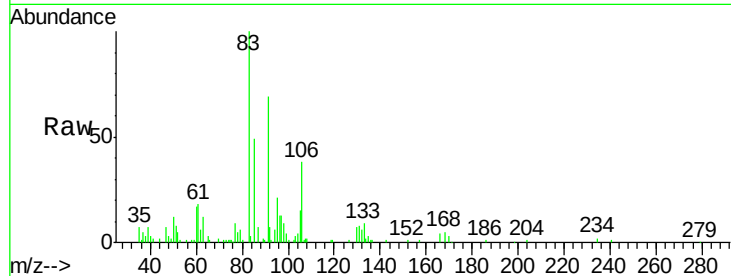
ClientSampleId :

LOD-MDL-AIR-01-QT3-2019

Tot Ion:	83	Resp:	78966
Ion	Ratio	Lower	Upper
83	100		
131	12.2	5.0	14.9
85	68.5	32.8	98.3

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#64

n-propylbenzene

Concen: 0.289 ppbv m

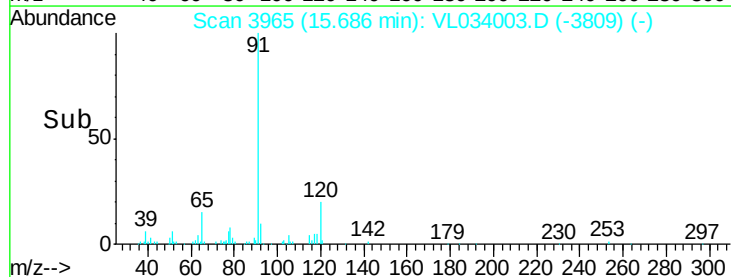
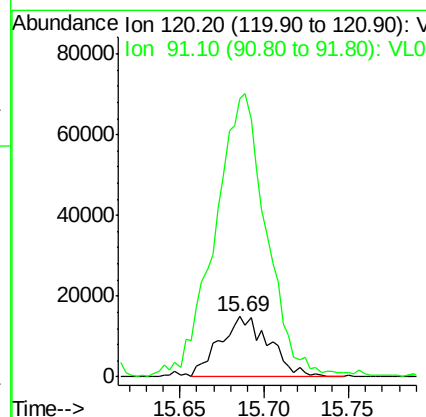
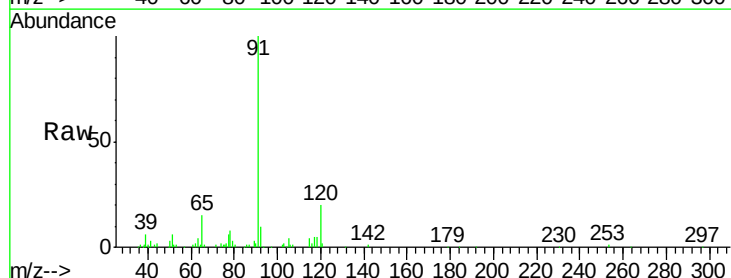
RT: 15.69 min Scan# 3965

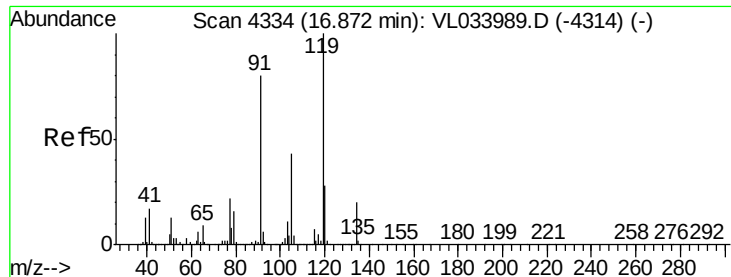
Delta R.T. 0.00 min

Lab File: VL034003.D

Acq: 3 Jul 2019 3:10

Tgt Ion:	120	Resp:	30670
Ion	Ratio	Lower	Upper
120	100		
91	0.0	386.6	579.8#





#65

tert-Butylbenzene

Concen: 0.302 ppbv

RT: 16.87 min Scan# 4334

Delta R.T. 0.00 min

Lab File: VL034003.D

Acq: 3 Jul 2019 3:10

Instrument :

MSVOA_L

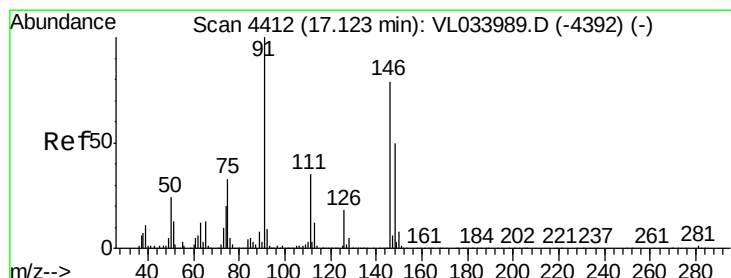
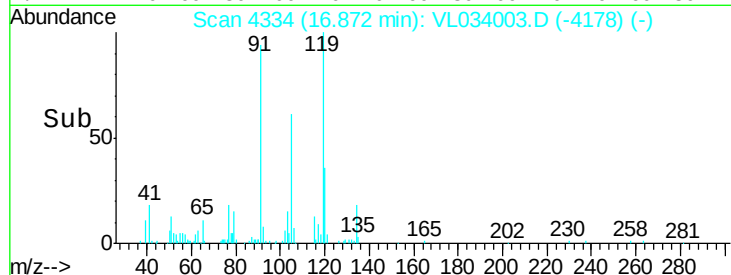
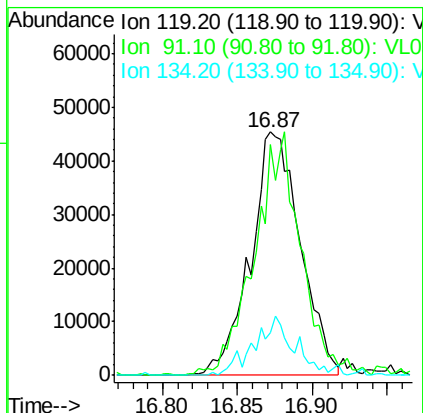
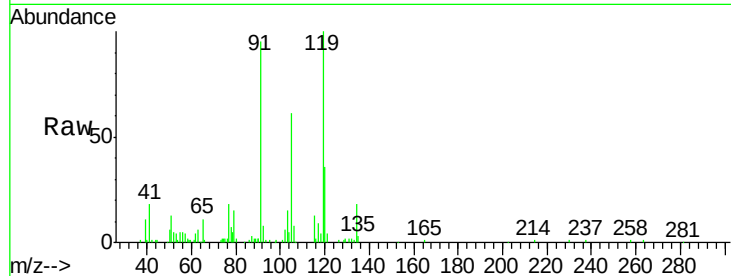
ClientSampleId :

LOD-MDL-AIR-01-QT3-2019

Tot Ion:	119	Resp:	105065
Ion Ratio	Lower	Upper	
119	100		
91	93.2	67.0	100.6
134	20.4	15.8	23.6

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#66

Benzyl Chloride

Concen: 0.312 ppbv m

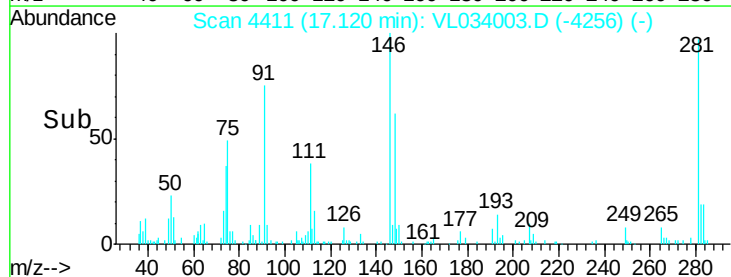
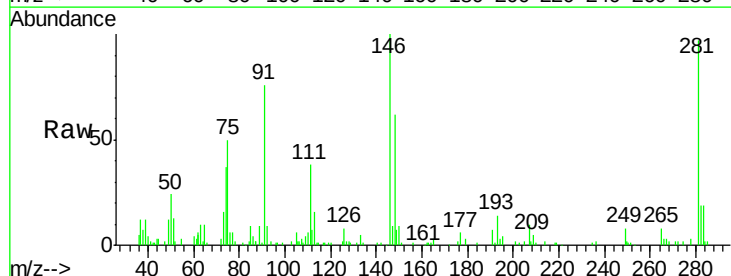
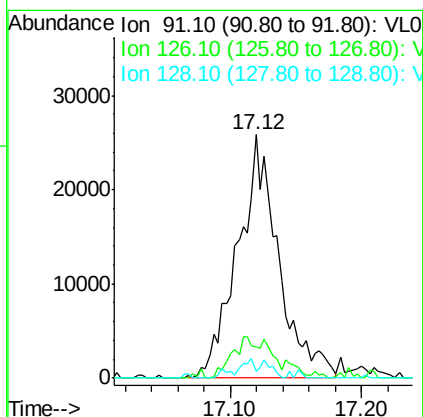
RT: 17.12 min Scan# 4411

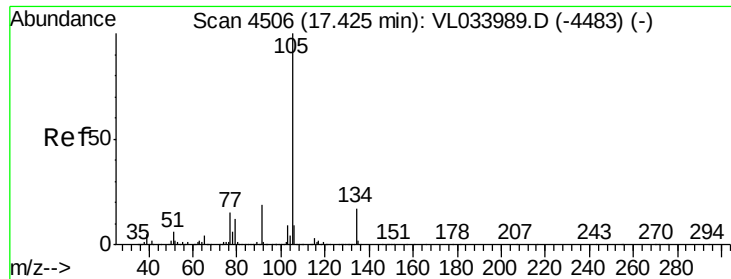
Delta R.T. -0.00 min

Lab File: VL034003.D

Acq: 3 Jul 2019 3:10

Tgt Ion:	91	Resp:	55619
Ion Ratio	Lower	Upper	
91	100		
126	18.6	13.9	20.9
128	5.8	4.6	7.0





#67

sec-Butylbenzene

Concen: 0.325 ppbv

RT: 17.42 min Scan# 4505

Delta R.T. -0.00 min

Lab File: VL034003.D

Acq: 3 Jul 2019 3:10

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT3-2019

Tot Ion: 105 Resp: 158958

Ion Ratio Lower Upper

105 100

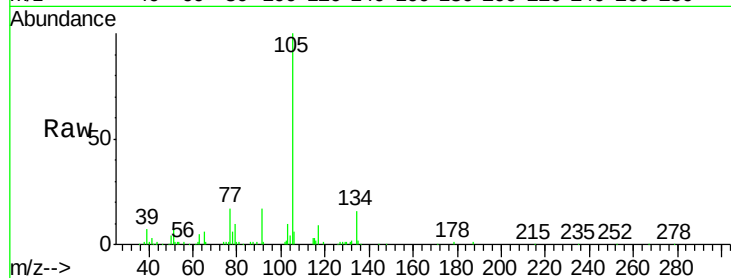
134 19.2 14.7 22.1

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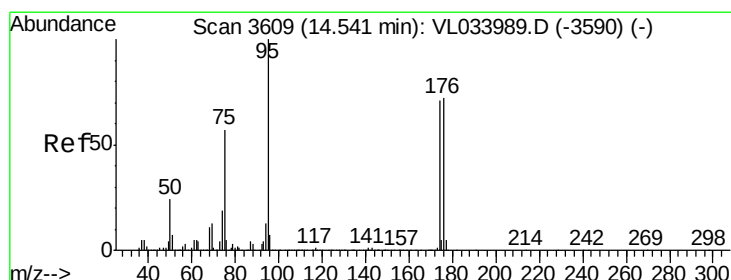
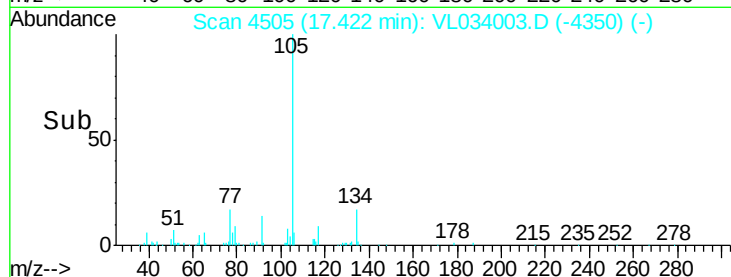
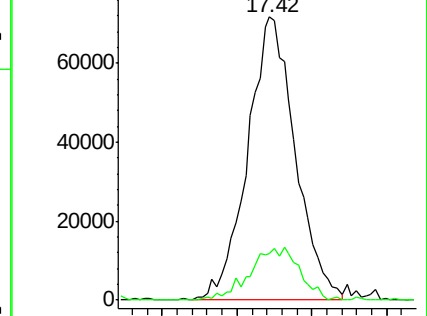
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.841 ppbv

RT: 14.54 min Scan# 3608

Delta R.T. -0.00 min

Lab File: VL034003.D

Acq: 3 Jul 2019 3:10

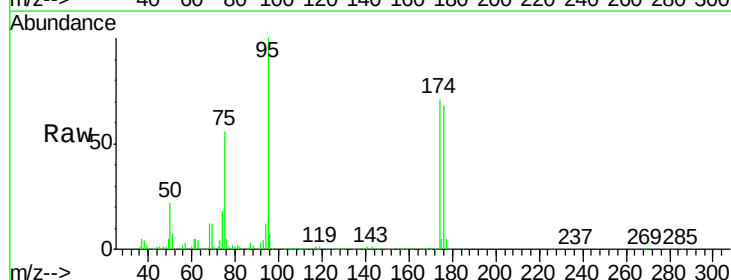
Tgt Ion: 95 Resp: 2052577

Ion Ratio Lower Upper

95 100

174 73.5 60.5 90.7

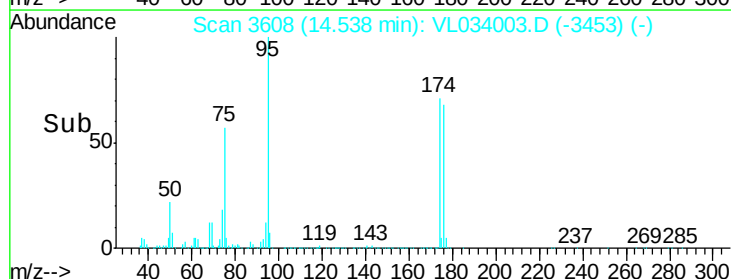
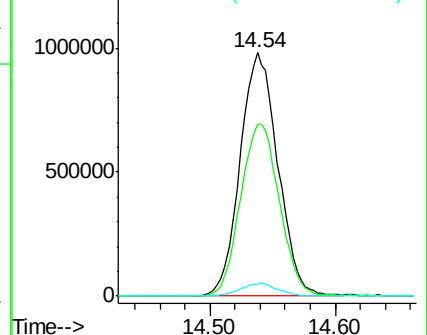
175 5.2 4.0 6.0

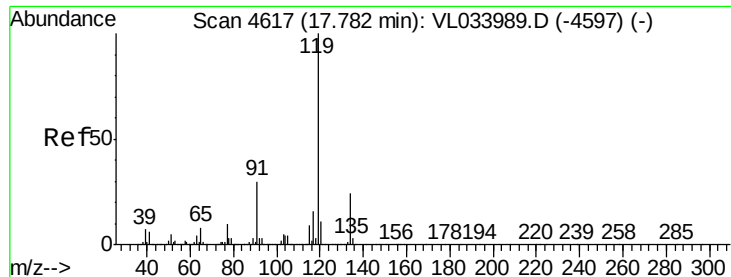


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





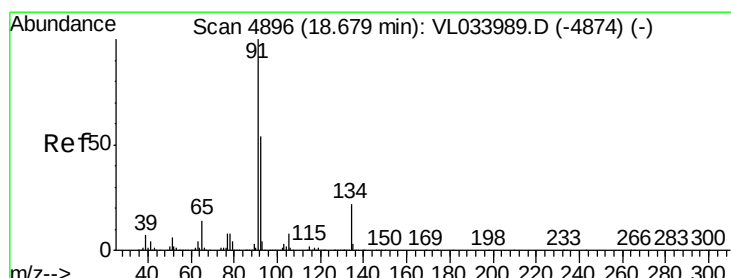
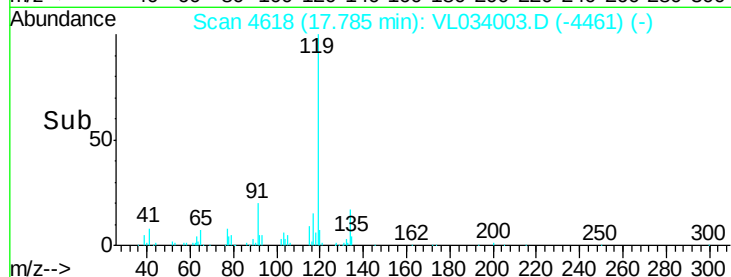
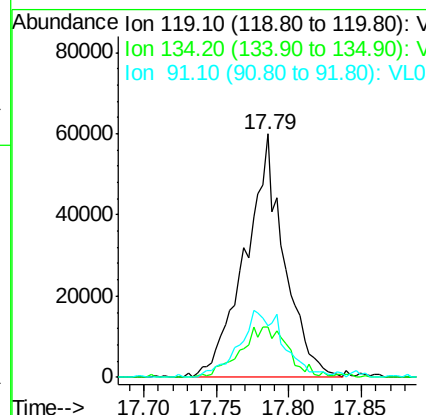
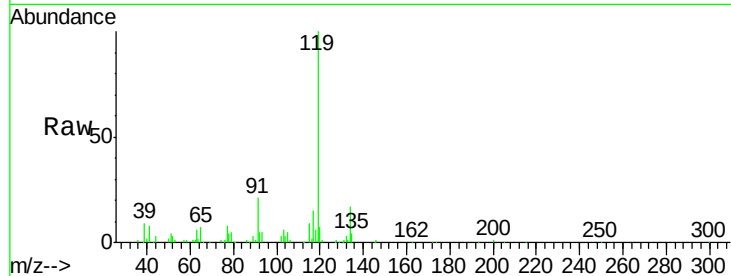
#69
 p-Isopropyltoluene
 Concen: 0.277 ppbv
 RT: 17.79 min Scan# 4618
 Delta R.T. 0.00 min
 Lab File: VL034003.D
 Acq: 3 Jul 2019 3:10

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2019

Tot Ion	Ratio	Resp	Lower	Upper
119	100	111694		
134	26.1	20.1	30.1	
91	31.4	23.6	35.4	

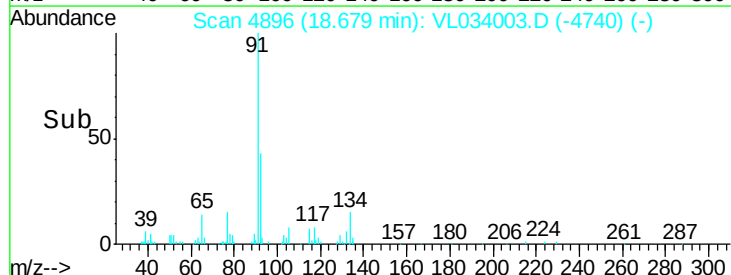
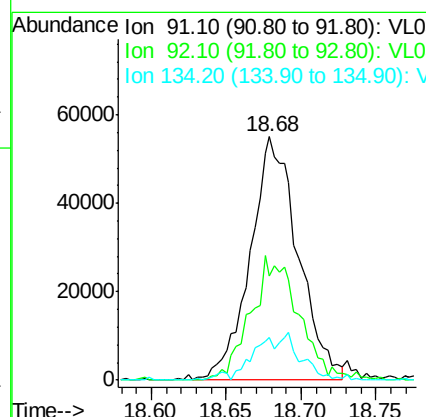
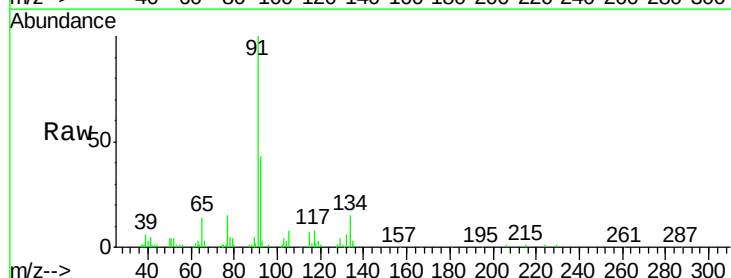
Manual Integrations
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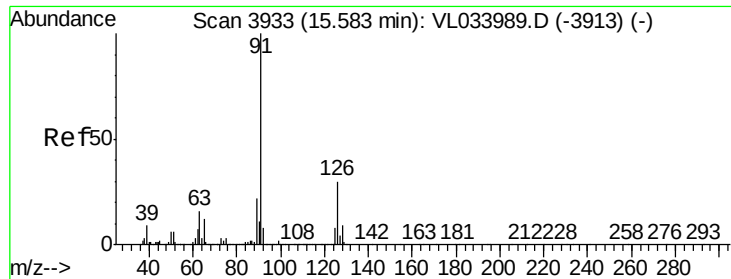
MMDadoda
 7/3/2019 11:03:42 PM



#70
 n-Butylbenzene
 Concen: 0.290 ppbv
 RT: 18.68 min Scan# 4896
 Delta R.T. 0.00 min
 Lab File: VL034003.D
 Acq: 3 Jul 2019 3:10

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	122763		
92	51.4	42.0	63.0	
134	18.7	17.9	26.9	





#71

2-Chlorotoluene

Concen: 0.232 ppbv

RT: 15.59 min Scan# 3934

Delta R.T. 0.00 min

Lab File: VL034003.D

Acq: 3 Jul 2019 3:10

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT3-2019

Tot Ion: 91 Resp: 69484

Ion Ratio Lower Upper

91 100

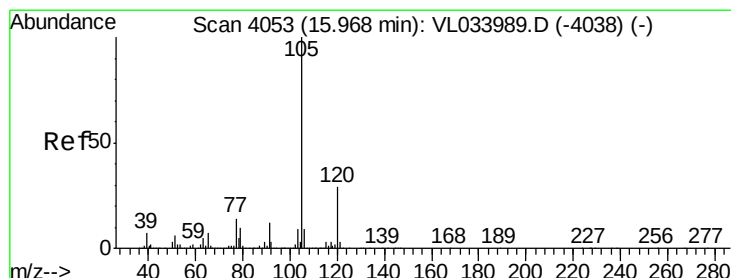
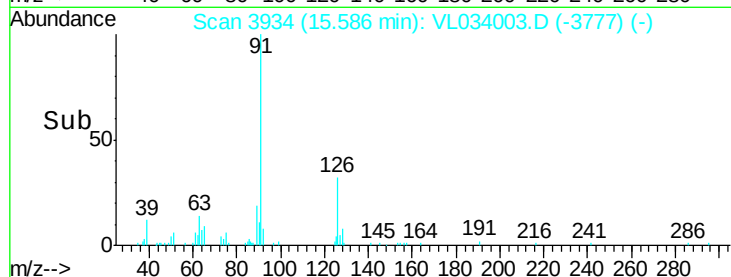
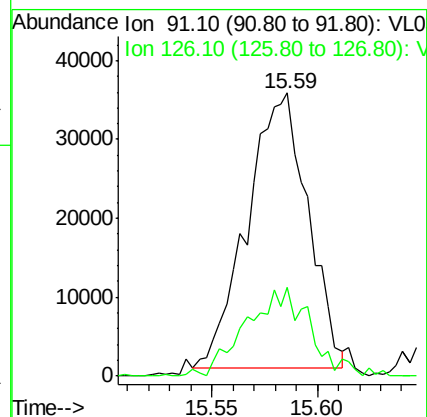
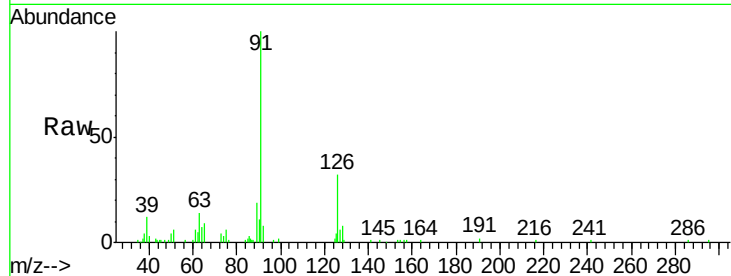
126 34.1 12.3 49.3

Manual Integrations

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#72

4-Ethyltoluene

Concen: 0.254 ppbv m

RT: 15.97 min Scan# 4053

Delta R.T. 0.00 min

Lab File: VL034003.D

Acq: 3 Jul 2019 3:10

Tgt Ion: 105 Resp: 86734

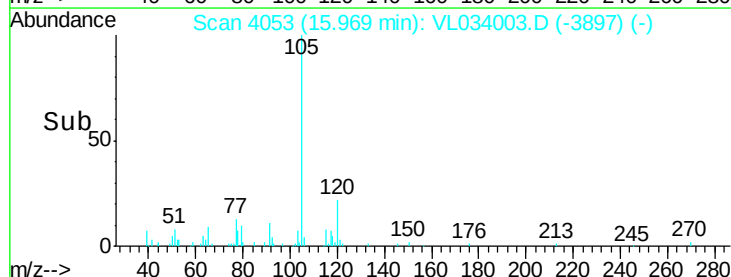
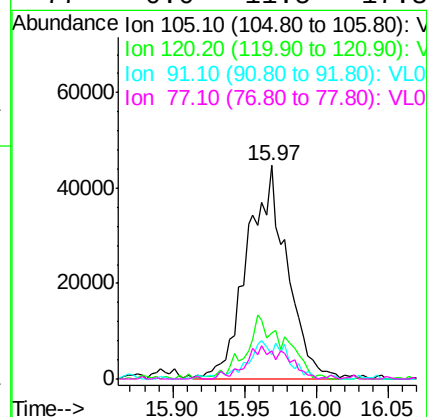
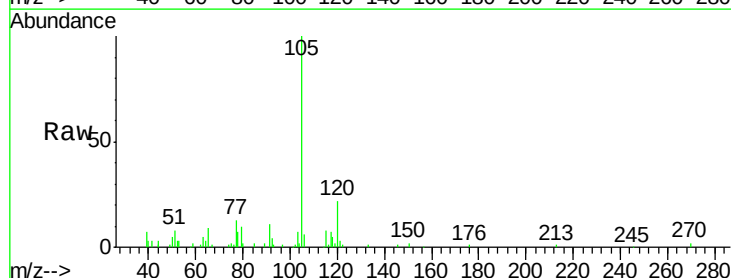
Ion Ratio Lower Upper

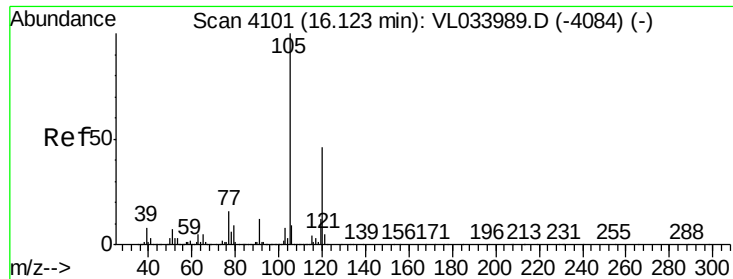
105 100

120 0.0 24.1 36.1#

91 0.0 10.6 16.0#

77 0.0 11.5 17.3#





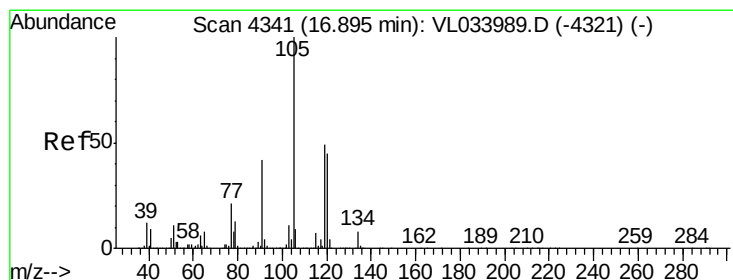
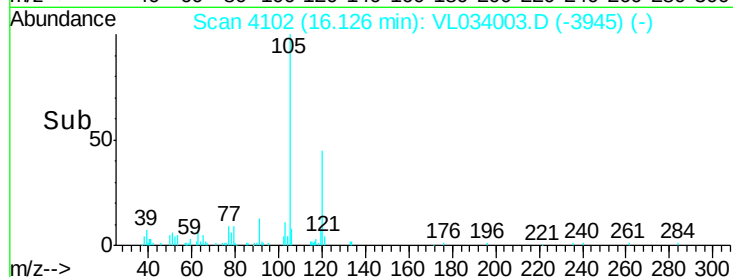
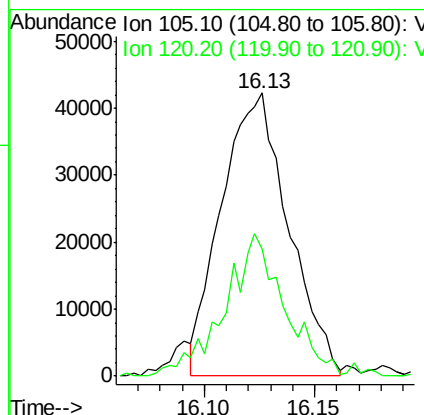
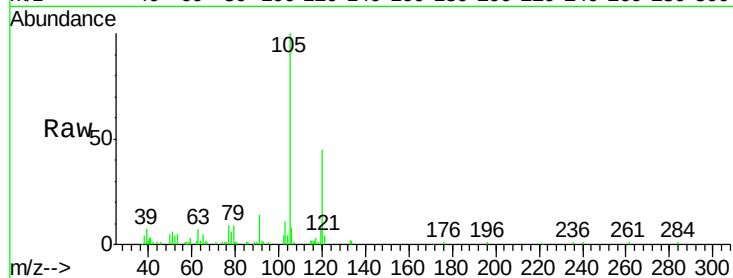
#73
 1,3,5-Trimethylbenzene
 Concen: 0.280 ppbv
 RT: 16.13 min Scan# 4102
 Delta R.T. 0.00 min
 Lab File: VL034003.D
 Acq: 3 Jul 2019 3:10

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
105	100		
120	45.2	36.4	54.6

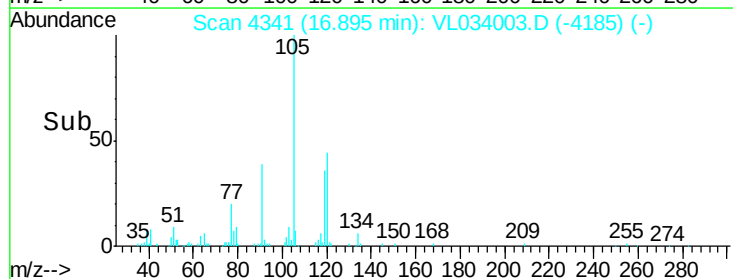
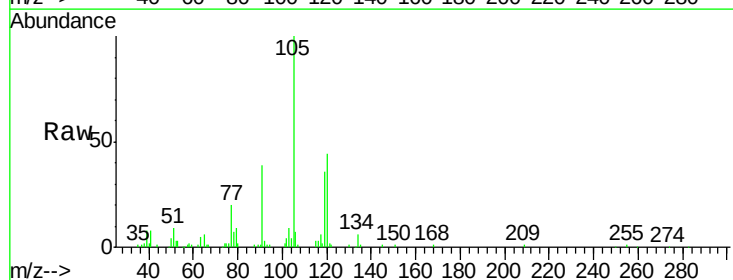
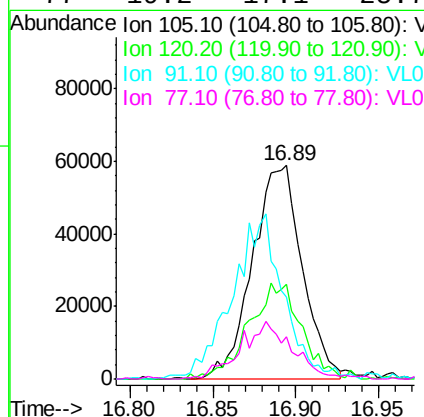
Manual Integrations
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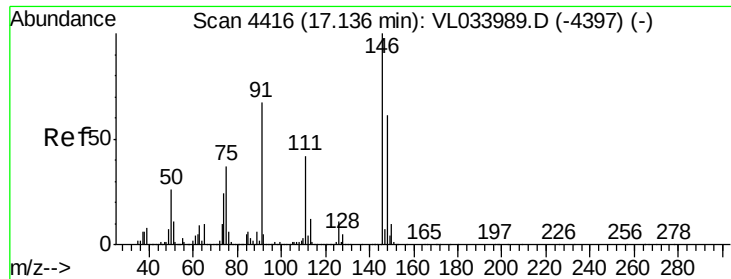
MMDadoda
 7/3/2019 11:03:42 PM



#74
 1,2,4-Trimethylbenzene
 Concen: 0.348 ppbv
 RT: 16.89 min Scan# 4341
 Delta R.T. 0.00 min
 Lab File: VL034003.D
 Acq: 3 Jul 2019 3:10

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.2	36.2	54.2
91	37.0	34.3	51.5
77	19.2	17.1	25.7





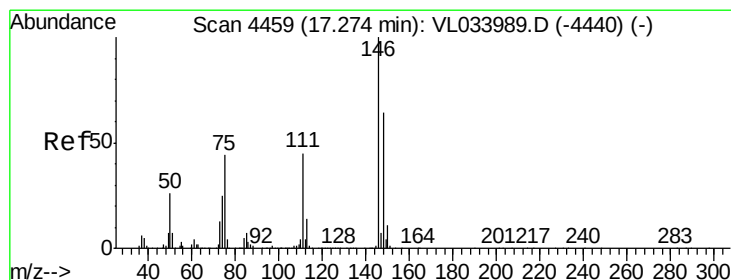
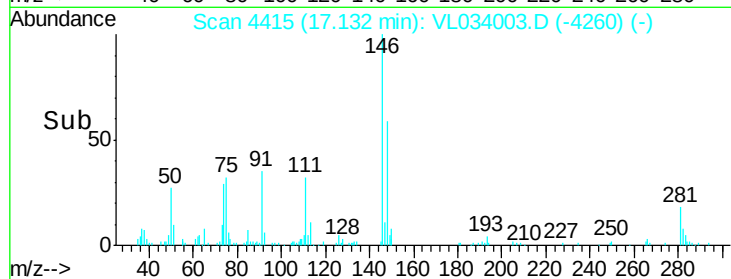
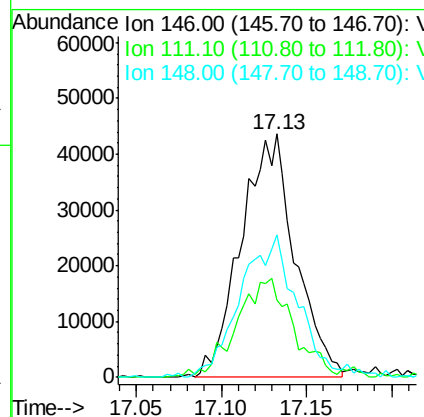
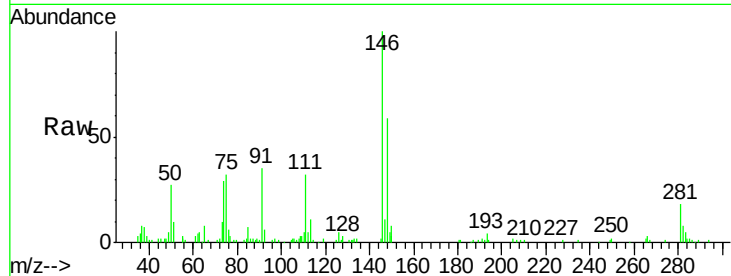
#75
 1,3-Dichlorobenzene
 Concen: 0.429 ppbv m
 RT: 17.13 min Scan# 4415
 Delta R.T. -0.00 min
 Lab File: VL034003.D
 Acq: 3 Jul 2019 3:10

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.3	22.3	66.9
148	63.0	32.0	96.2

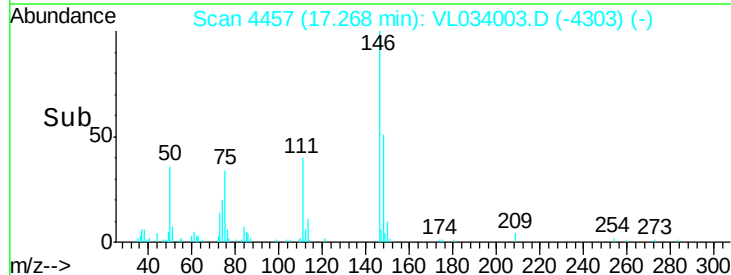
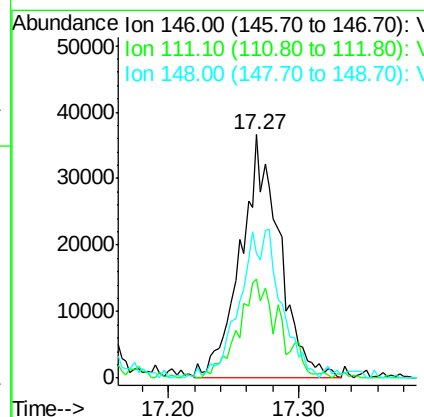
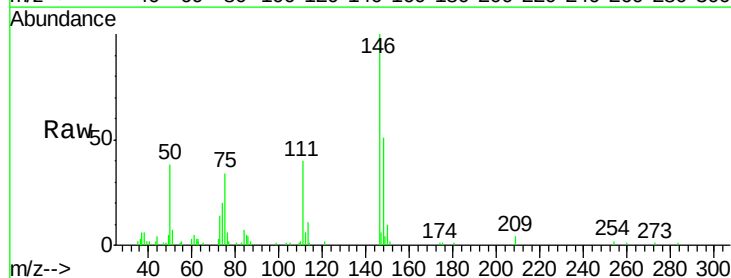
Manual Integrations
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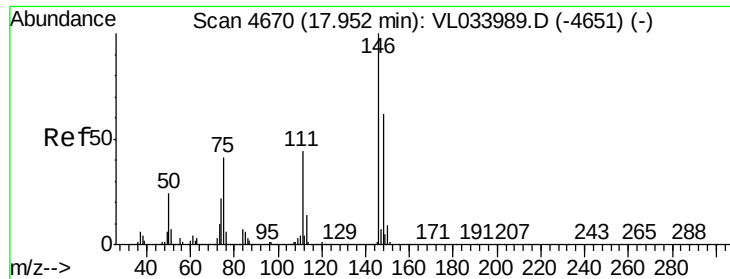
MMDadoda
 7/3/2019 11:03:42 PM



#76
 1,4-Dichlorobenzene
 Concen: 0.359 ppbv m
 RT: 17.27 min Scan# 4457
 Delta R.T. -0.01 min
 Lab File: VL034003.D
 Acq: 3 Jul 2019 3:10

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.8	21.9	65.5
148	0.0	32.5	97.5#





#77

1,2-Dichlorobenzene

Concen: 0.399 ppbv m

RT: 17.96 min Scan# 4672

Delta R.T. 0.01 min

Lab File: VL034003.D

Acq: 3 Jul 2019 3:10

Instrument :

MSVOA_L

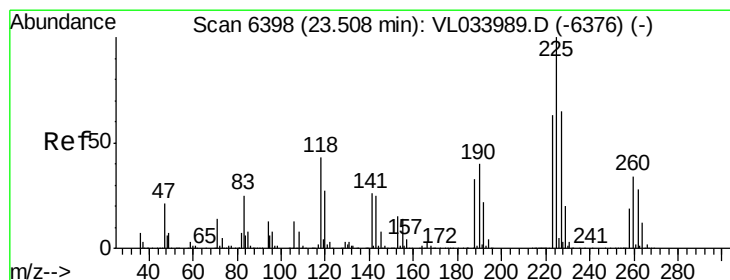
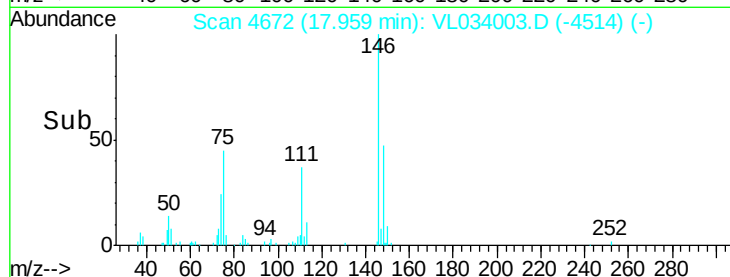
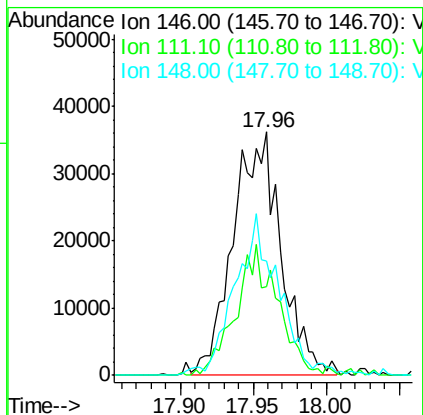
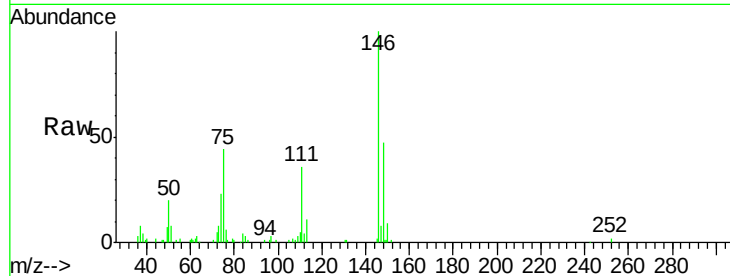
ClientSampleId :

LOD-MDL-AIR-01-QT3-2019

Tot Ion:	146	Resp:	82736
Ion Ratio	Lower	Upper	
146	100		
111	0.0	22.7	68.1#
148	0.0	32.1	96.3#

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#78

Hexachloro-1,3-Butadiene

Concen: 0.437 ppbv

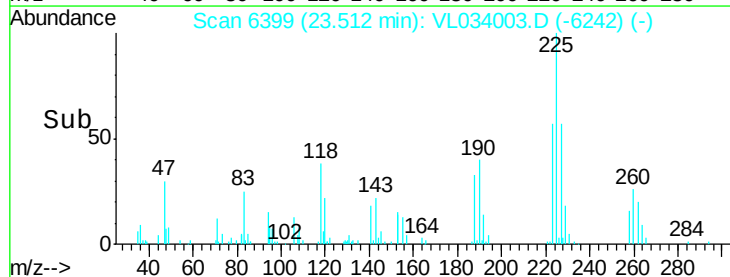
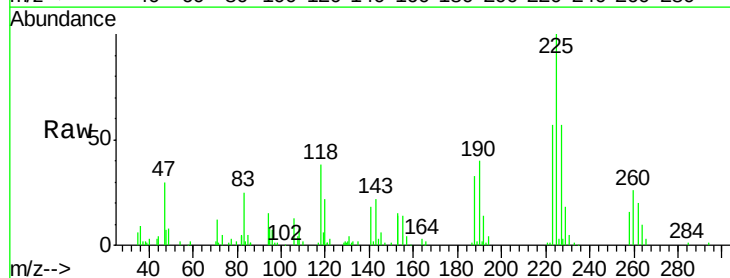
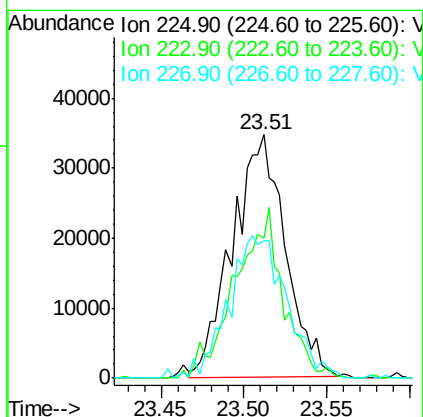
RT: 23.51 min Scan# 6399

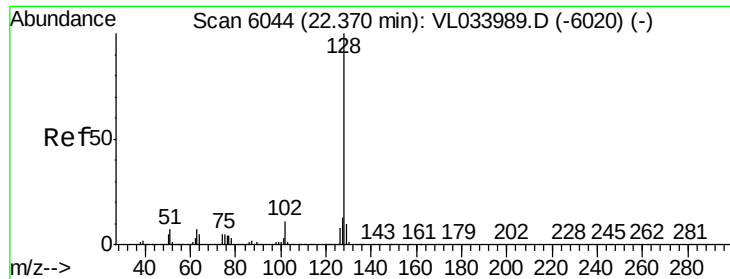
Delta R.T. 0.00 min

Lab File: VL034003.D

Acq: 3 Jul 2019 3:10

Tgt Ion:	225	Resp:	77068
Ion Ratio	Lower	Upper	
225	100		
223	63.2	51.5	77.3
227	64.7	52.1	78.1





#79

Naphthalene

Concen: 0.235 ppbv m

RT: 22.37 min Scan# 6045

Delta R.T. 0.00 min

Lab File: VL034003.D

Acq: 3 Jul 2019 3:10

Instrument :

MSVOA_L

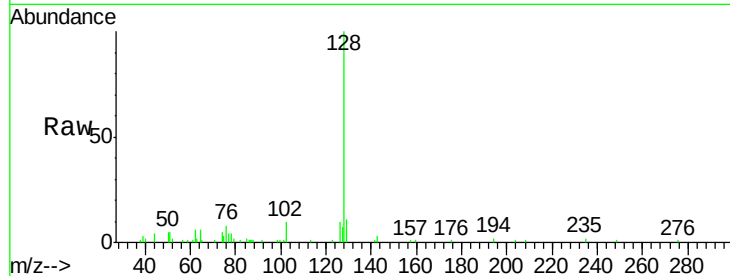
ClientSampleId :

LOD-MDL-AIR-01-QT3-2019

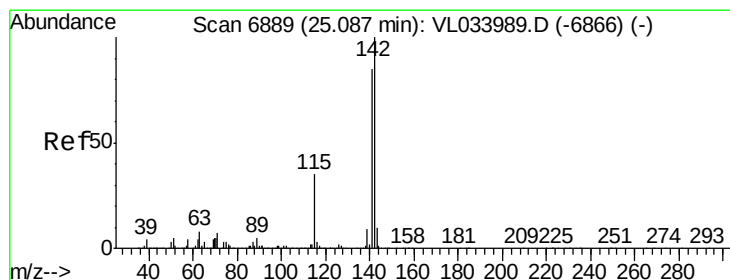
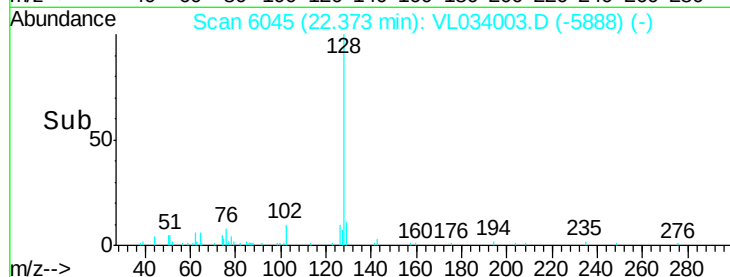
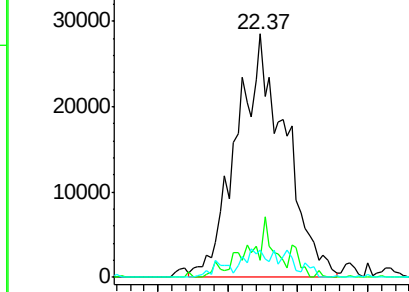
Tot Ion:128	Resp:	69516
Ion Ratio	Lower	Upper
128 100		
127 7.1	10.6	15.8#
129 11.1	8.3	12.5

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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: 0.269 ppbv

RT: 25.08 min Scan# 6887

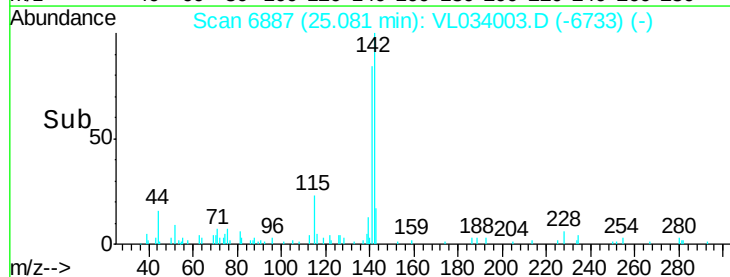
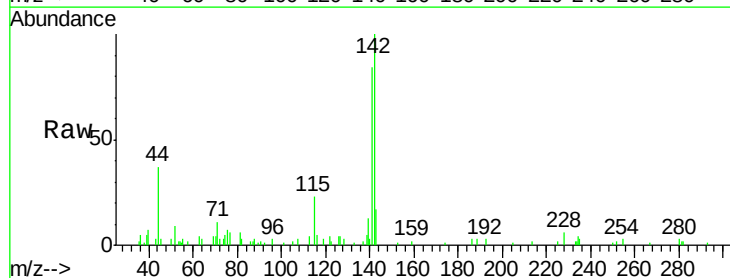
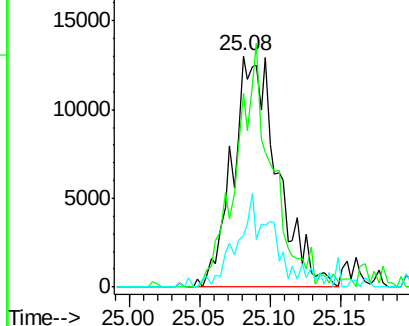
Delta R.T. -0.01 min

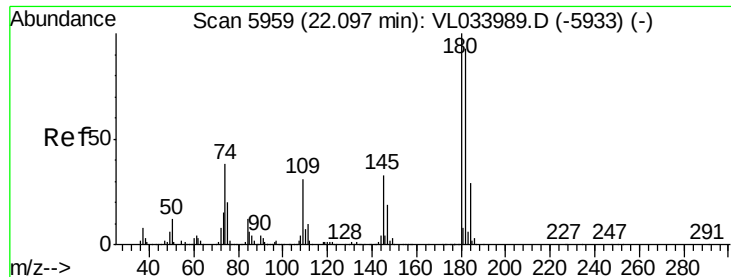
Lab File: VL034003.D

Acq: 3 Jul 2019 3:10

Tgt Ion:142	Resp:	28980
Ion Ratio	Lower	Upper
142 100		
141 84.9	68.2	102.2
115 33.9	29.9	44.9

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





#81
 1,2,4-Trichlorobenzene
 Concen: 0.295 ppbv m
 RT: 22.10 min Scan# 5961
 Delta R.T. 0.01 min
 Lab File: VL034003.D
 Acq: 3 Jul 2019 3:10

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2019

Tot Ion	Ratio	Resp	Lower	Upper
180	100	56061		
182	100.9		76.6	114.8
184	32.2		24.6	36.8

Manual Integrations
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