

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062619\
 Data File : VL033970.D
 Acq On : 26 Jun 2019 16:42
 Operator : SY/AP
 Sample : K3538-02RE
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 INDOOR-AIRRE

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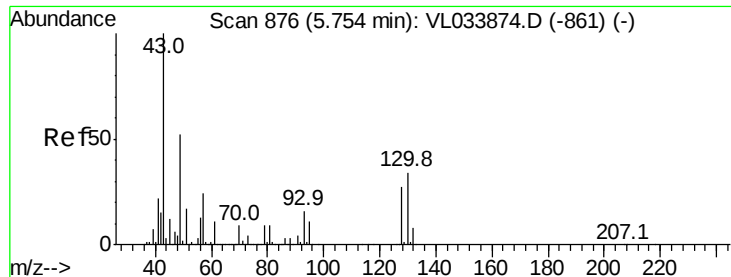
Quant Time: Jun 27 14:44:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL060719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 0
 QLast Update : Fri Jun 07 08:53:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.73	49	648926	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.26	114	1499235	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.21	117	1285181	10.00	ppbv	-0.01

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene		14.55	95	1130739	10.71	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	107.10%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.06	85	35320m	0.335	ppbv	
3) Chlorodifluoromethane	3.00	51	41837	0.548	ppbv	100
4) Chloromethane	3.16	50	70311	1.614	ppbv	98
9) Propene	3.04	41	2822858m	98.753	ppbv	
11) Trichlorofluoromethane	3.99	101	37606	0.277	ppbv #	81
13) Ethanol	3.63	45	707266	76.047	ppbv	96
15) Acetone	3.89	43	570119m	6.024	ppbv	
19) Isopropyl Alcohol	4.02	45	53937	0.998	ppbv #	1
20) Methylene Chloride	4.39	84	431078	11.680	ppbv	99
26) Hexane	5.75	57	15171	0.231	ppbv #	36
41) Tetrahydrofuran	6.14	42	12120	0.282	ppbv	94

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.73 min Scan# 870

Delta R.T. -0.02 min

Lab File: VL033970.D

Acq: 26 Jun 2019 16:42

Instrument :

MSVOA_L

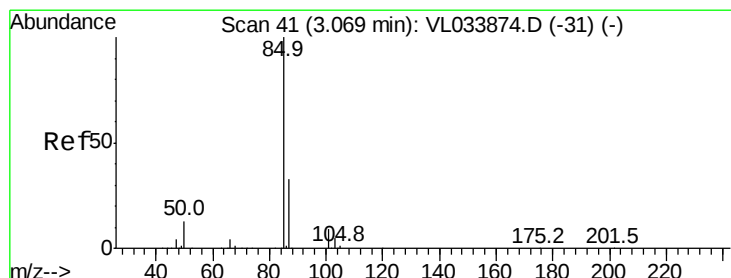
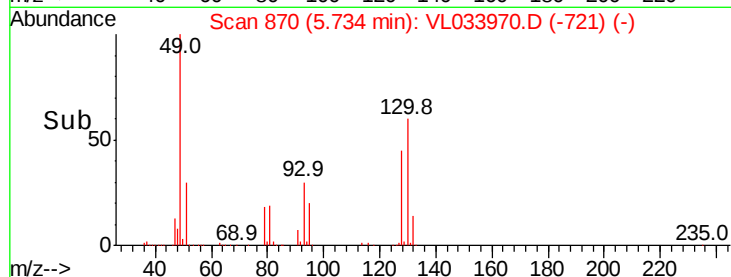
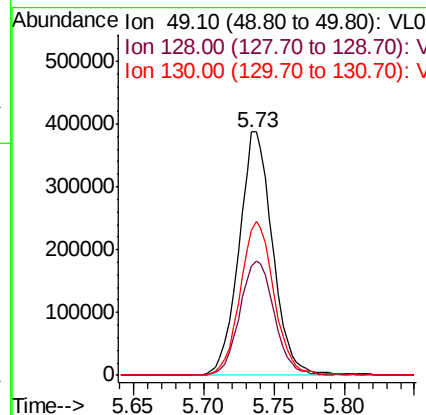
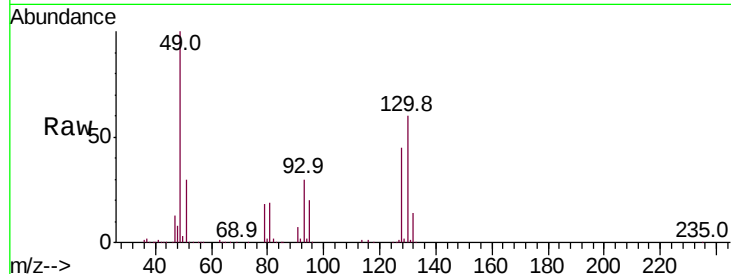
ClientSampleId :

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Tot Ion	Ratio	Lower	Upper
49	100		
128	48.1	25.5	76.5
130	64.0	32.5	97.4

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#2

Dichlorodifluoromethane

Concen: 0.335 ppbv m

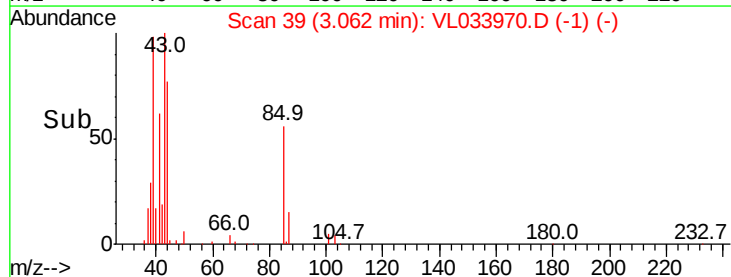
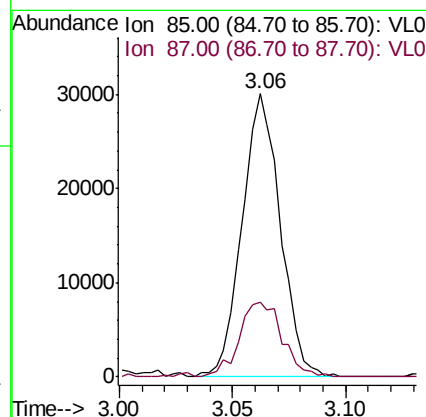
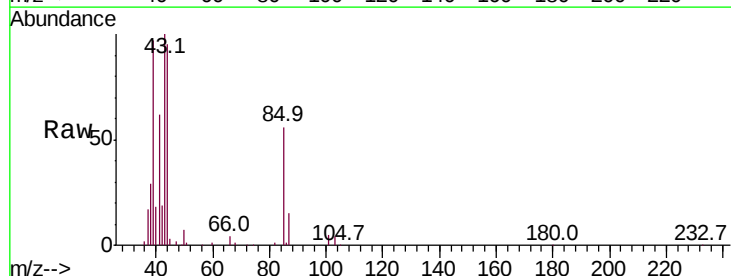
RT: 3.06 min Scan# 39

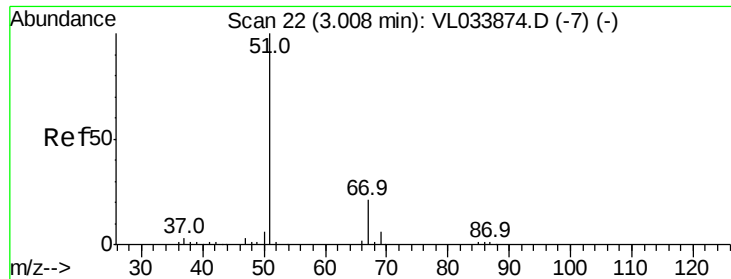
Delta R.T. -0.01 min

Lab File: VL033970.D

Acq: 26 Jun 2019 16:42

Tgt Ion	Ratio	Lower	Upper
85	100		
87	26.3	26.6	40.0#





#3

Chlorodifluoromethane

Concen: 0.548 ppbv

RT: 3.00 min Scan# 20

Delta R.T. -0.01 min

Lab File: VL033970.D

Acq: 26 Jun 2019 16:42

Tot Ion: 51 Resp: 41837

Ion Ratio Lower Upper

51 100

67 20.5 16.4 24.6

Instrument :

MSVOA_L

ClientSampleId :

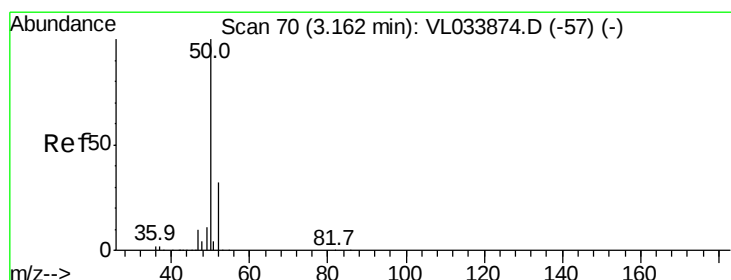
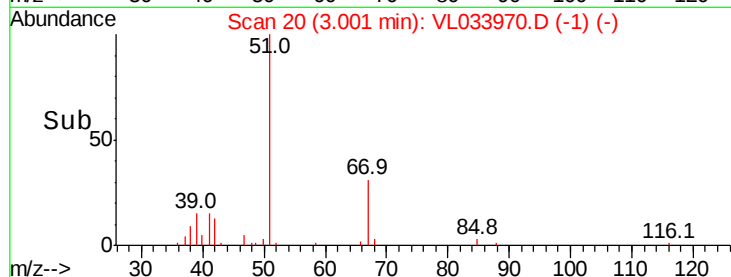
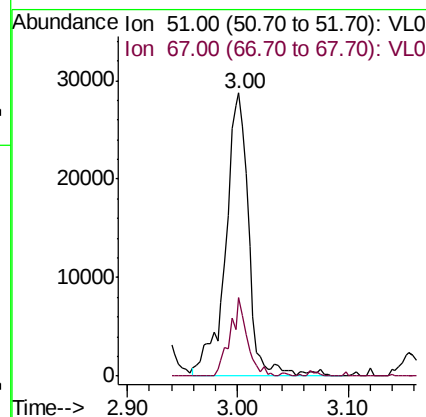
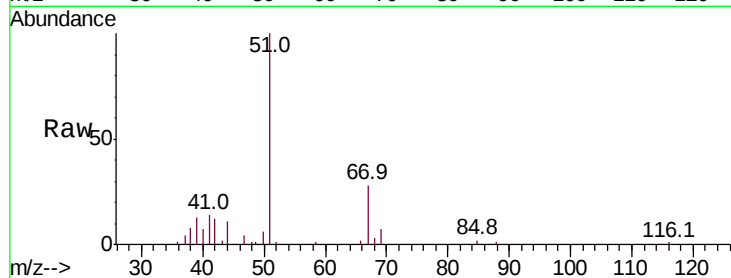
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#4

Chloromethane

Concen: 1.614 ppbv

RT: 3.16 min Scan# 69

Delta R.T. -0.00 min

Lab File: VL033970.D

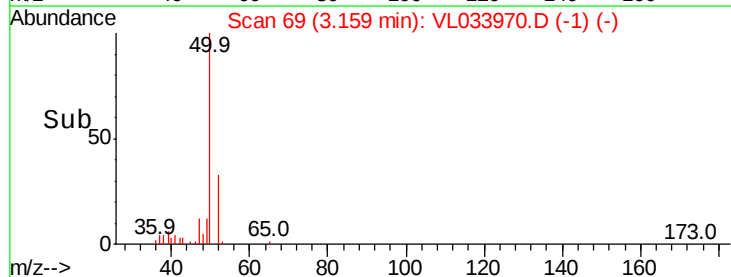
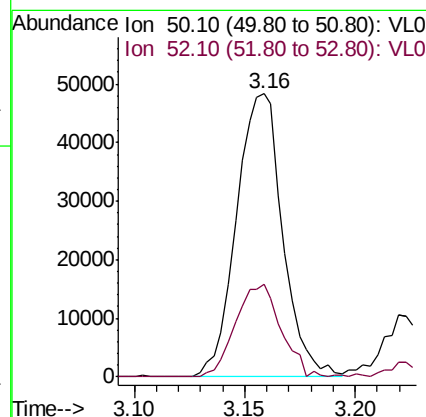
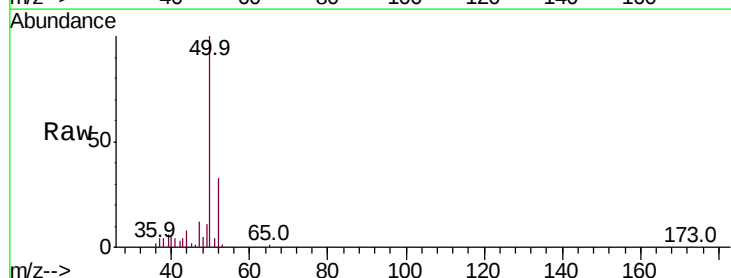
Acq: 26 Jun 2019 16:42

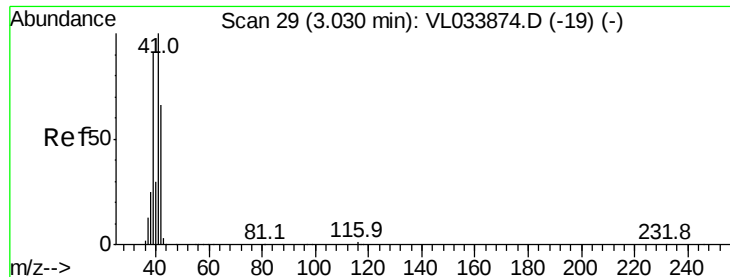
Tgt Ion: 50 Resp: 70311

Ion Ratio Lower Upper

50 100

52 32.7 25.4 38.0





#9

Propene

Concen: 98.753 ppbv m

RT: 3.04 min Scan# 31

Delta R.T. 0.01 min

Lab File: VL033970.D

Acq: 26 Jun 2019 16:42

Instrument :

MSVOA_L

ClientSampleId :

INDOOR-AIRRE

Tot Ion: 41 Resp: 2822858

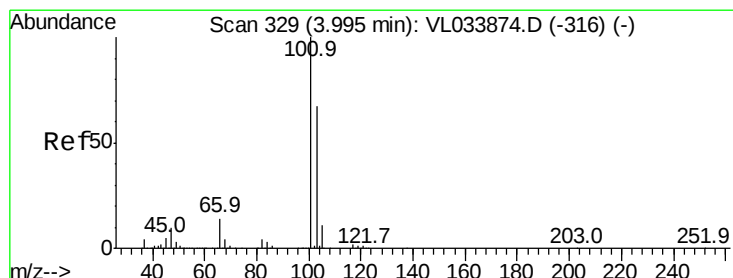
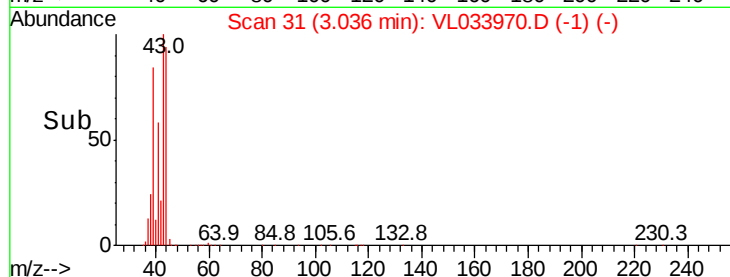
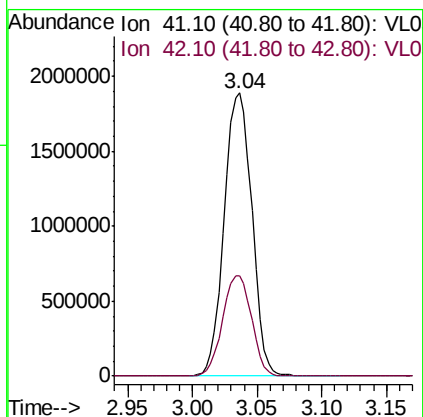
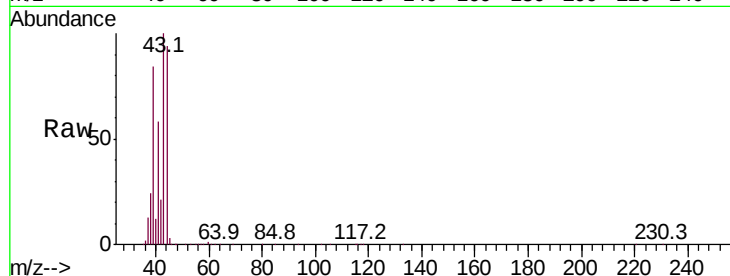
Ion Ratio Lower Upper

41 100

42 10.7 56.3 84.5#

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6/27/2019 3:00:58 PM



#11

Trichlorofluoromethane

Concen: 0.277 ppbv

RT: 3.99 min Scan# 327

Delta R.T. -0.01 min

Lab File: VL033970.D

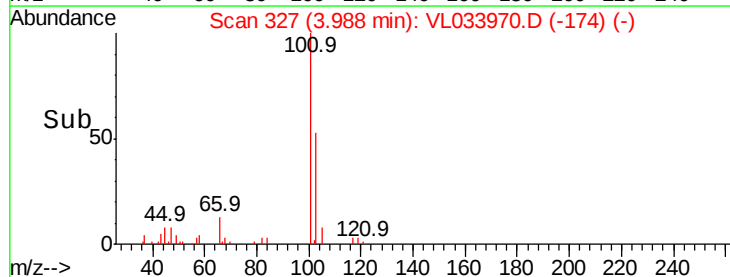
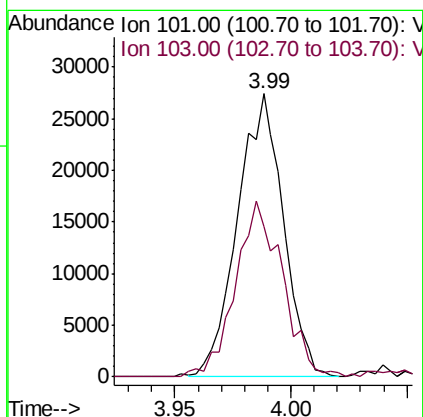
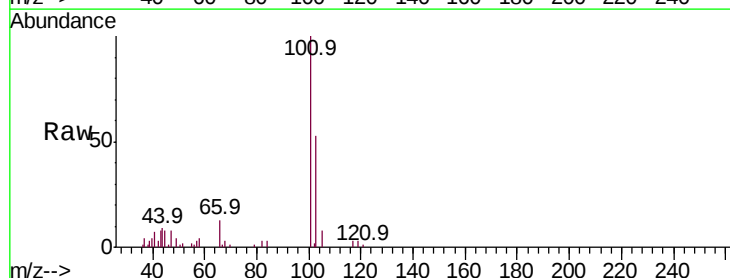
Acq: 26 Jun 2019 16:42

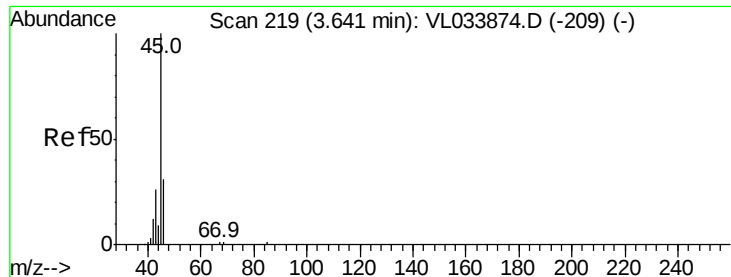
Tgt Ion: 101 Resp: 37606

Ion Ratio Lower Upper

101 100

103 51.8 53.6 80.4#





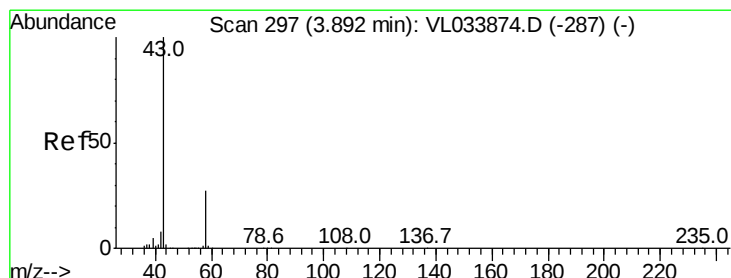
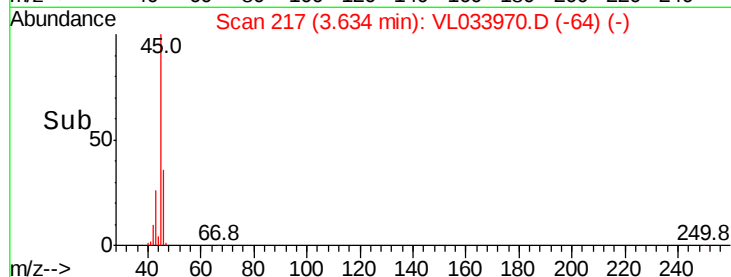
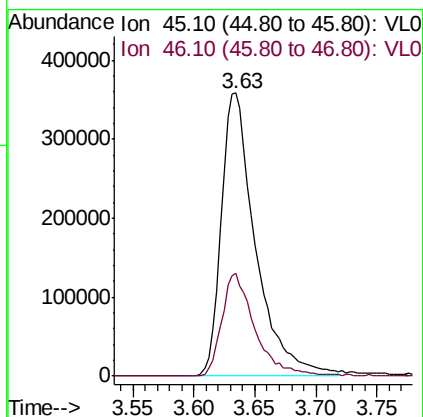
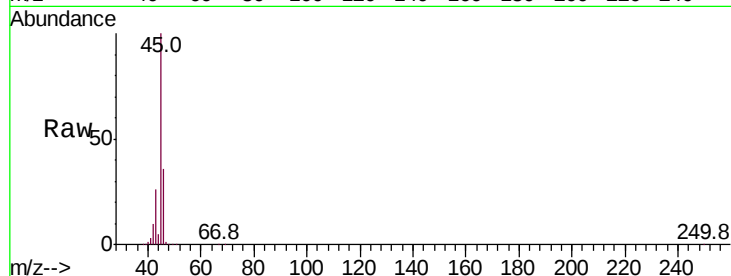
#13
Ethanol
Concen: 76.047 ppbv
RT: 3.63 min Scan# 217
Delta R.T. -0.01 min
Lab File: VL033970.D
Acq: 26 Jun 2019 16:42

Instrument :
MSVOA_L
ClientSampleId :
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Tot Ion: 45 Resp: 707266
Ion Ratio Lower Upper
45 100
46 35.7 15.3 61.1

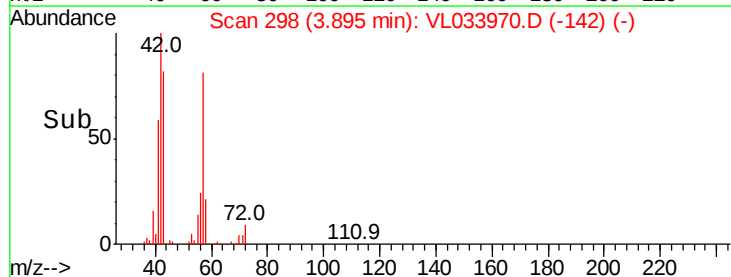
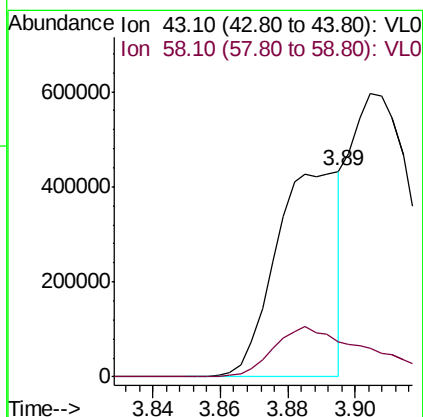
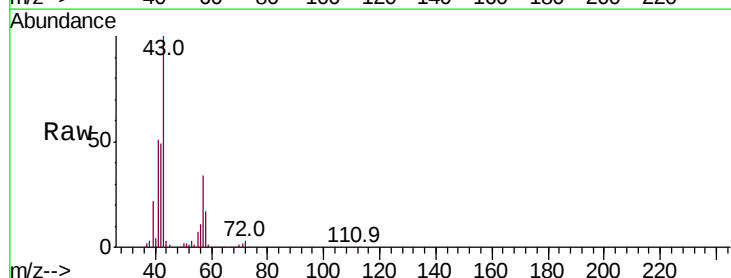
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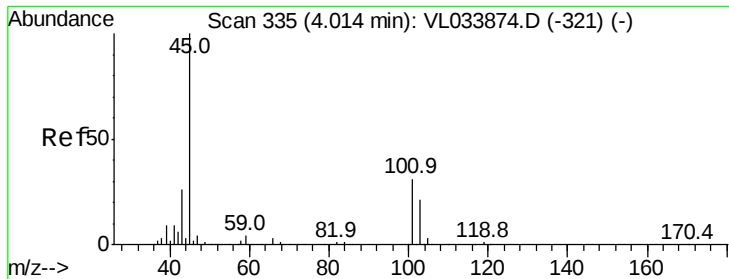
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#15
Acetone
Concen: 6.024 ppbv m
RT: 3.89 min Scan# 298
Delta R.T. 0.00 min
Lab File: VL033970.D
Acq: 26 Jun 2019 16:42

Tgt Ion: 43 Resp: 570119
Ion Ratio Lower Upper
43 100
58 36.1 21.3 31.9#





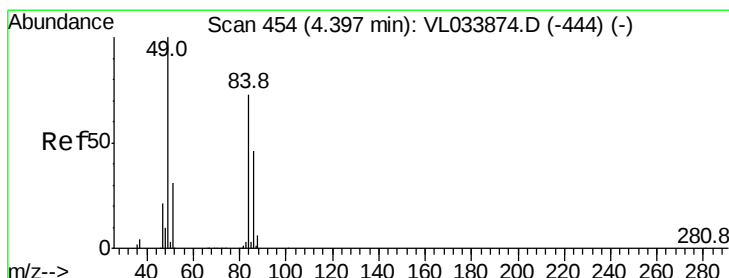
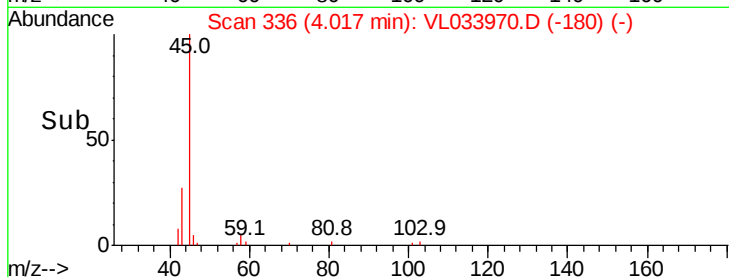
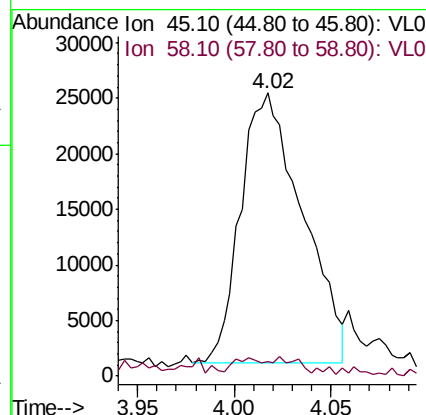
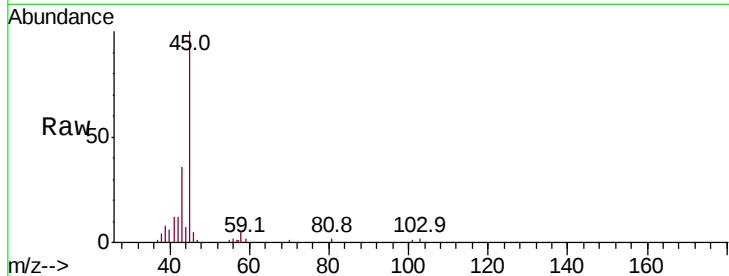
#19
Isopropyl Alcohol
Concen: 0.998 ppbv
RT: 4.02 min Scan# 336
Delta R.T. 0.00 min
Lab File: VL033970.D
Acq: 26 Jun 2019 16:42

Instrument :
MSVOA_L
ClientSampleId :
INDOOR-AIRRE

Tot Ion: 45 Resp: 53937
Ion Ratio Lower Upper
45 100
58 384.7 1.8 2.6#

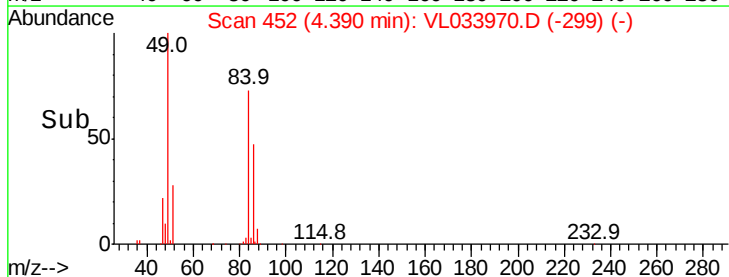
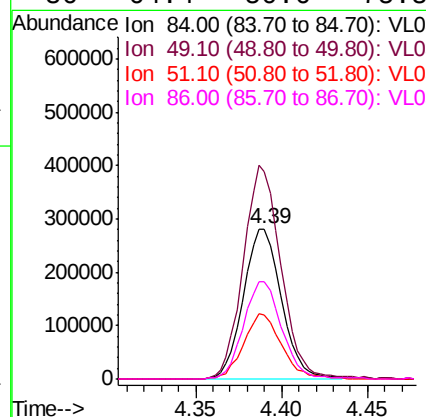
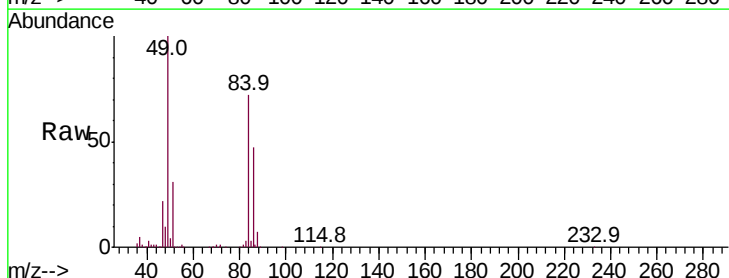
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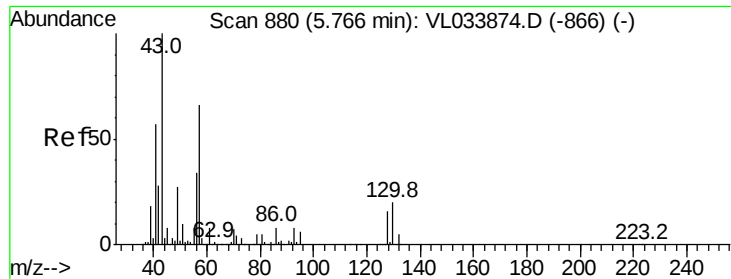
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#20
Methylene Chloride
Concen: 11.680 ppbv
RT: 4.39 min Scan# 452
Delta R.T. -0.01 min
Lab File: VL033970.D
Acq: 26 Jun 2019 16:42

Tgt Ion: 84 Resp: 431078
Ion Ratio Lower Upper
84 100
49 138.2 110.0 165.0
51 42.2 34.6 51.8
86 64.4 50.6 75.8





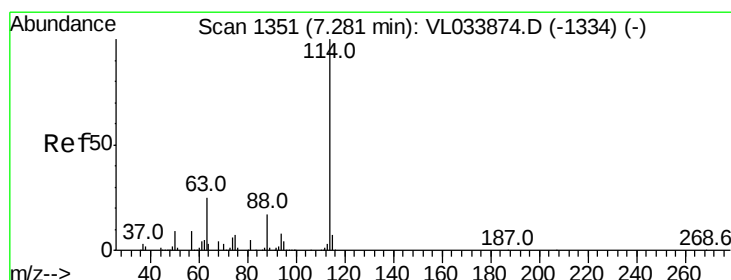
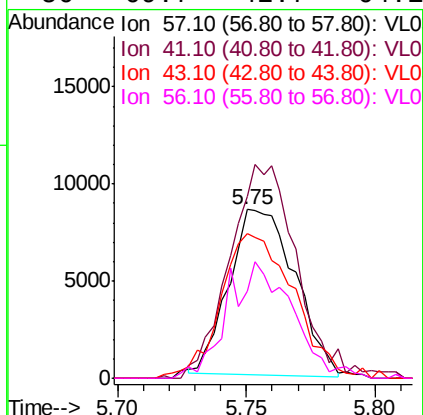
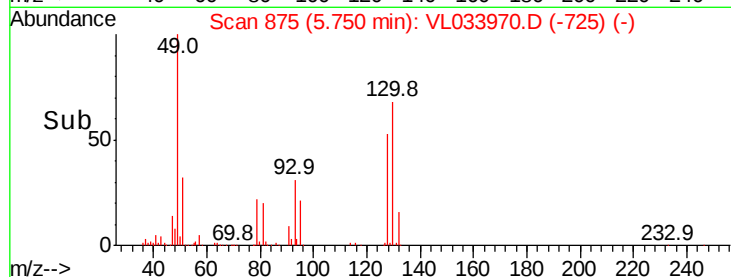
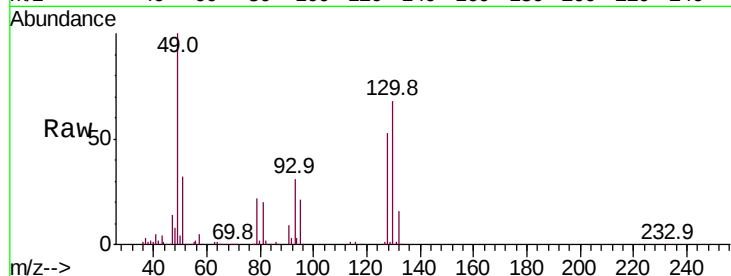
#26
Hexane
Concen: 0.231 ppbv
RT: 5.75 min Scan# 875
Delta R.T. -0.02 min
Lab File: VL033970.D
Acq: 26 Jun 2019 16:42

Instrument :
MSVOA_L
ClientSampleId :
INDOOR-AIRRE

Tot Ion: 57 Resp: 15171
Ion Ratio Lower Upper
57 100
41 132.8 71.4 107.2#
43 97.2 183.7 275.5#
56 69.7 42.7 64.1#

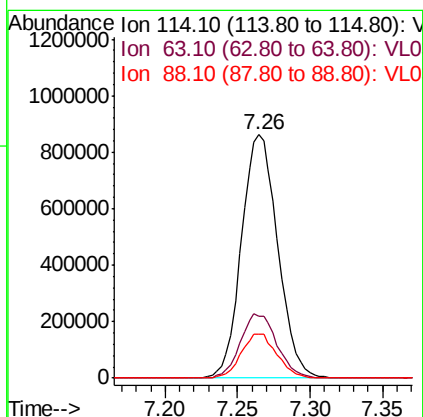
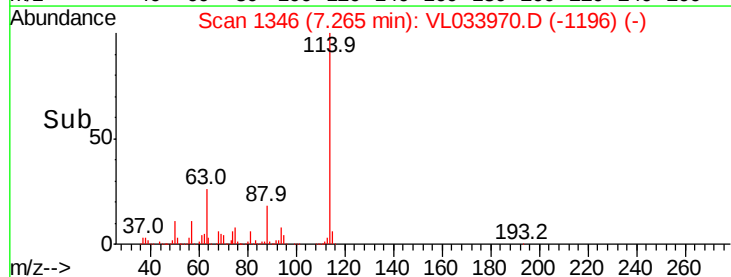
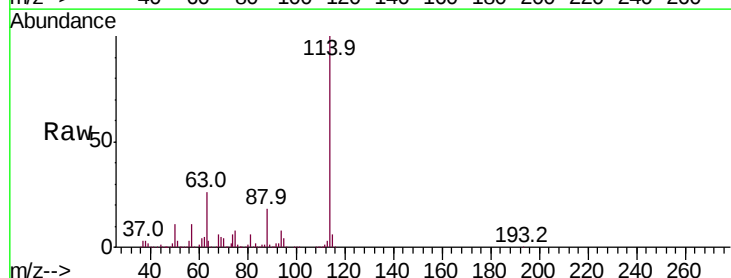
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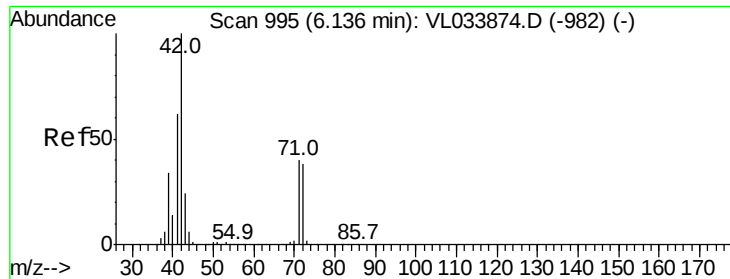
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6/27/2019 3:00:58 PM



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.26 min Scan# 1346
Delta R.T. -0.02 min
Lab File: VL033970.D
Acq: 26 Jun 2019 16:42

Tgt Ion:114 Resp: 1499235
Ion Ratio Lower Upper
114 100
63 26.7 21.1 31.7
88 17.9 14.2 21.4





#41

Tetrahydrofuran

Concen: 0.282 ppbv

RT: 6.14 min Scan# 995

Delta R.T. -0.00 min

Lab File: VL033970.D

Acq: 26 Jun 2019 16:42

Instrument :

MSVOA_L

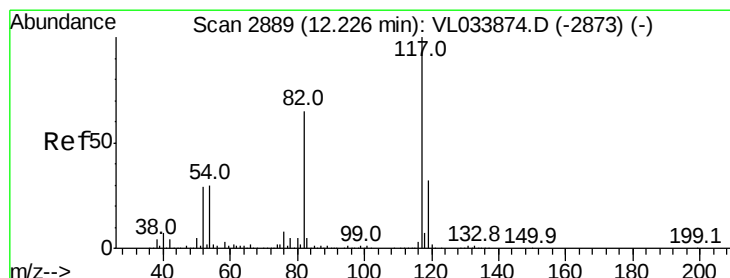
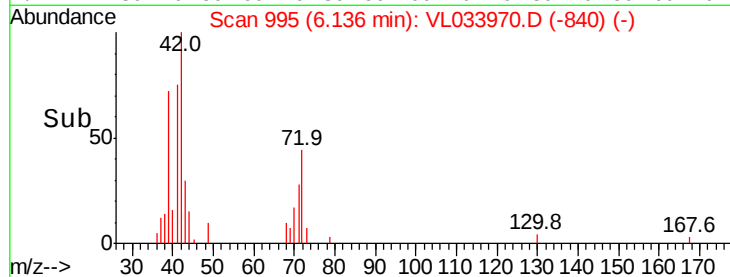
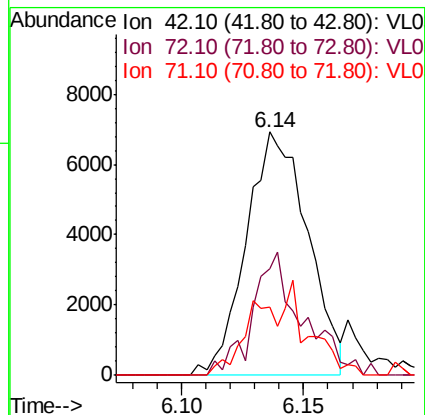
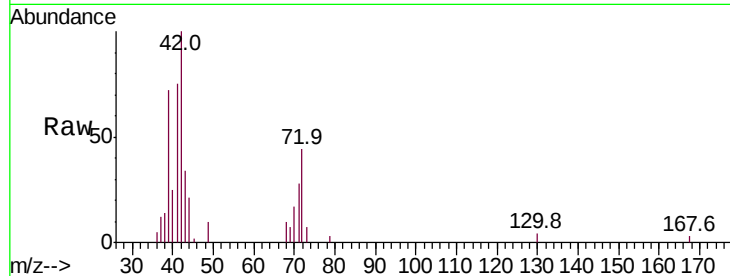
ClientSampleId :

INDOOR-AIRRE

Tot Ion:	42	Resp:	12120
Ion Ratio	Lower	Upper	
42	100		
72	41.3	32.2	48.4
71	32.8	31.7	47.5

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

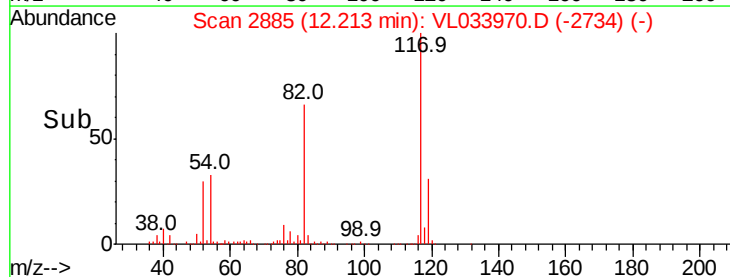
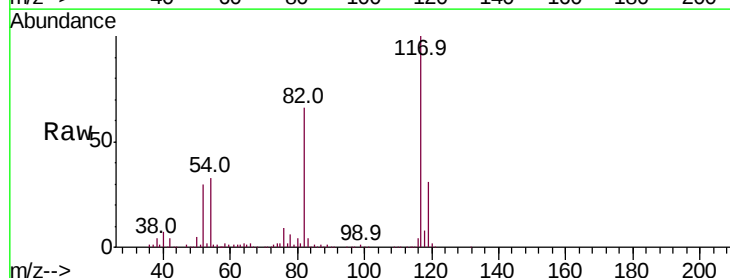
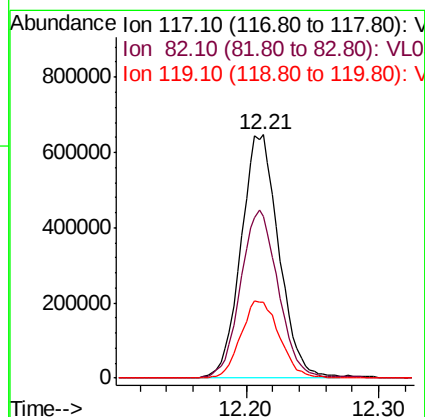
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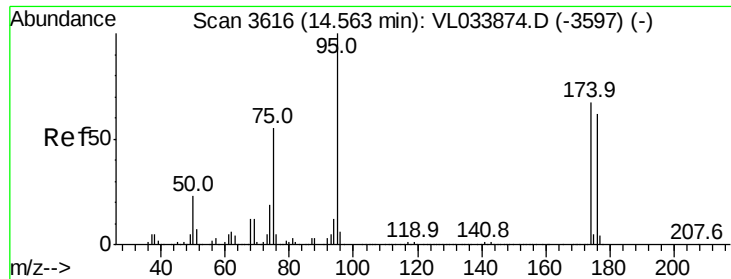
Delta R.T. -0.01 min

Lab File: VL033970.D

Acq: 26 Jun 2019 16:42

Tgt Ion:	117	Resp:	1285181
Ion Ratio	Lower	Upper	
117	100		
82	69.6	50.2	75.2
119	32.6	24.8	37.2





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.711 ppbv
 RT: 14.55 min Scan# 3611
 Delta R.T. -0.02 min
 Lab File: VL033970.D
 Acq: 26 Jun 2019 16:42

Instrument :
 MSVOA_L
 ClientSampleId :
 INDOOR-AIRRE

Tot Ion: 95 Resp: 1130739
 Ion Ratio Lower Upper
 95 100
 174 66.2 54.0 81.0
 175 4.8 3.8 5.8

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 6/27/2019 3:00:58 PM

