

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL112018\
 Data File : VL032785.D
 Acq On : 20 Nov 2018 19:26
 Operator : SY/AP
 Sample : J5961-02
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA2

Manual Integrations
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MMDadoda
 11/26/2018 9:18:47 AM

Quant Time: Nov 21 05:50:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111418AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 14 07:00:23 2018
 QLast Update : Wed Nov 14 07:00:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	1356063	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	3488110	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3057437	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.59	95	2184978	9.55	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.08	85	38561	0.198	ppbv	98
3) Chlorodifluoromethane	3.02	51	49157m	0.457	ppbv	
4) Chloromethane	3.18	50	75404	1.265	ppbv	99
9) Propene	3.05	41	75693	1.759	ppbv	86
11) Trichlorofluoromethane	4.01	101	31850m	0.173	ppbv	
13) Ethanol	3.66	45	2680556	190.219	ppbv	98
15) Acetone	3.91	43	1334476	10.776	ppbv	95
19) Isopropyl Alcohol	4.04	45	338062	4.098	ppbv #	1
20) Methylene Chloride	4.42	84	52465	0.818	ppbv	92
29) Chloroform	5.86	83	61304	0.268	ppbv	90
52) Tetrachloroethene	11.39	164	23893m	0.247	ppbv	

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

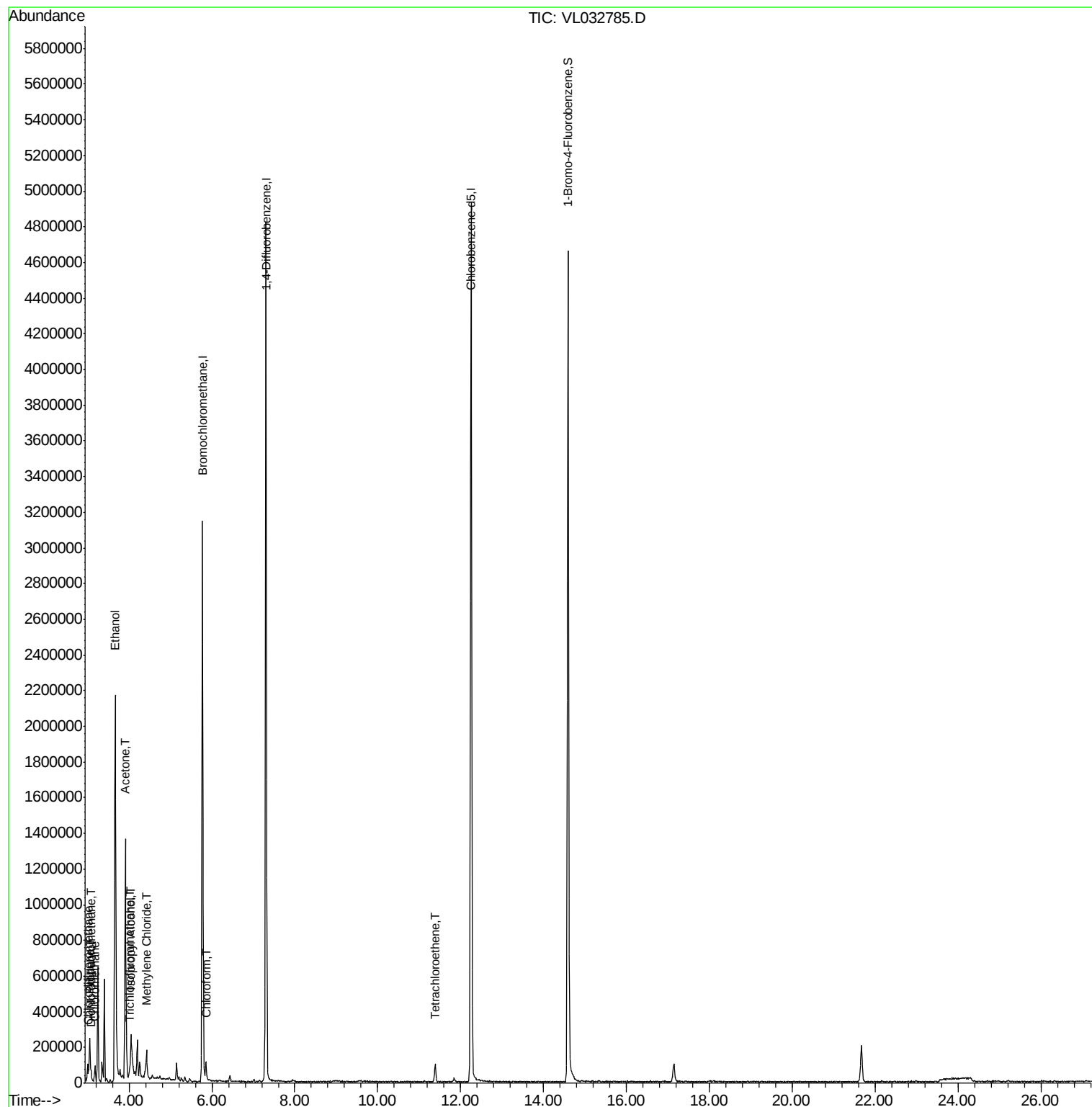
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL112018\
Data File : VL032785.D
Acq On : 20 Nov 2018 19:26
Operator : SY/AP
Sample : J5961-02
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

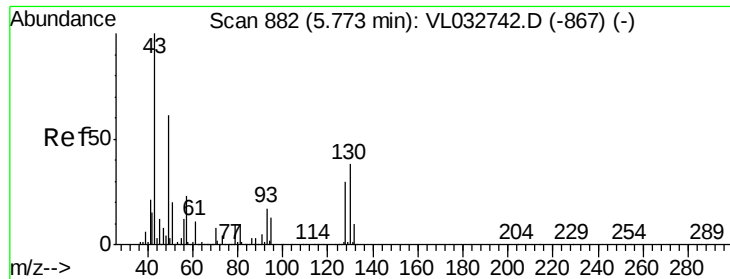
Instrument :
MSVOA_L
ClientSampleId :
IA2

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Quant Time: Nov 21 05:50:55 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL111418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Nov
QLast Update : Wed Nov 14 07:00:23 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.77 min Scan# 881

Delta R.T. -0.00 min

Lab File: VL032785.D

Acq: 20 Nov 2018 19:26

Instrument :

MSVOA_L

ClientSampled :

IA2

Tot Ion: 49 Resp: 1356063

Ion Ratio Lower Upper

49 100

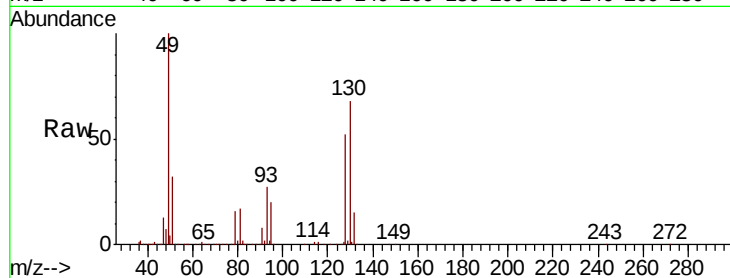
128 52.6 24.9 74.6

130 67.7 31.4 94.2

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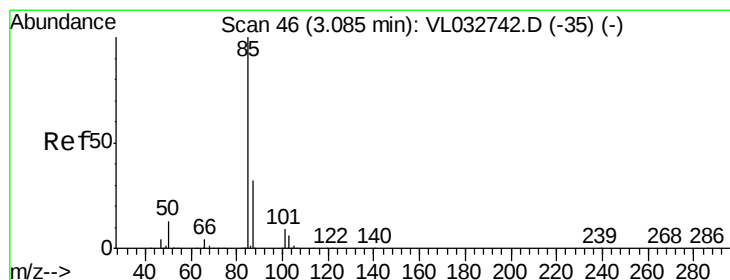
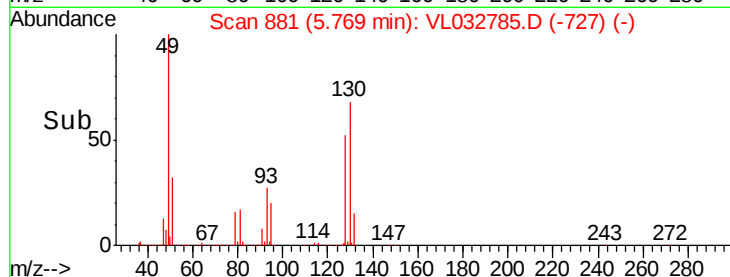
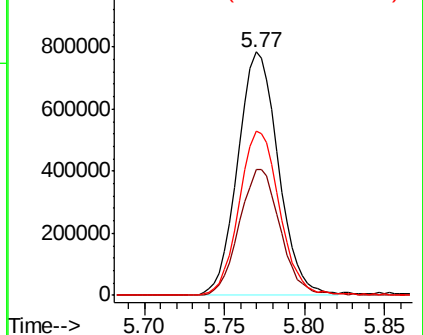
11/26/2018 9:18:47 AM



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 0.198 ppbv

RT: 3.08 min Scan# 46

Delta R.T. -0.00 min

Lab File: VL032785.D

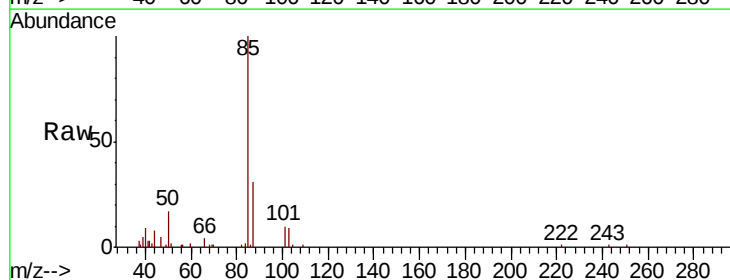
Acq: 20 Nov 2018 19:26

Tgt Ion: 85 Resp: 38561

Ion Ratio Lower Upper

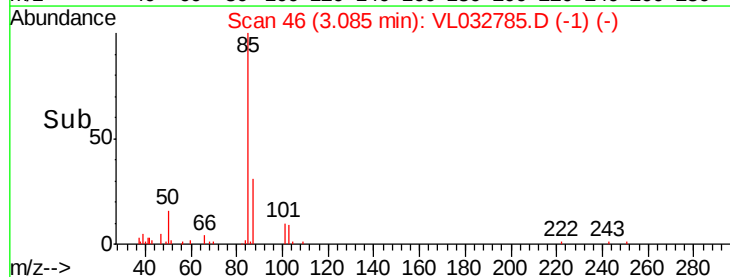
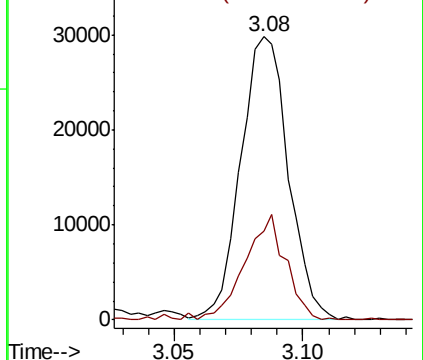
85 100

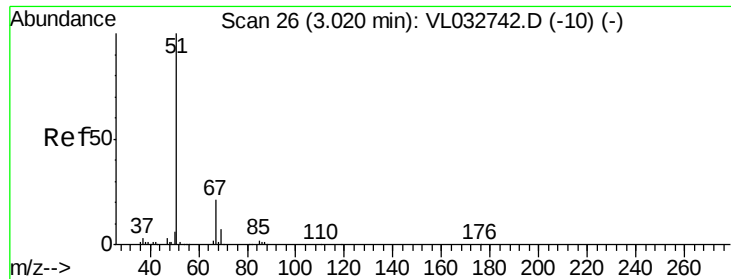
87 31.4 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





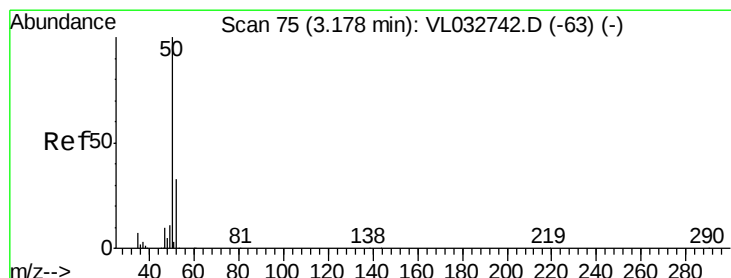
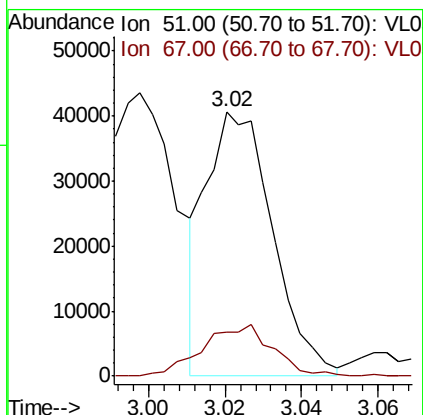
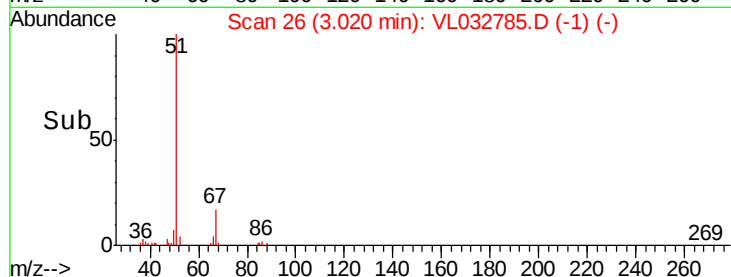
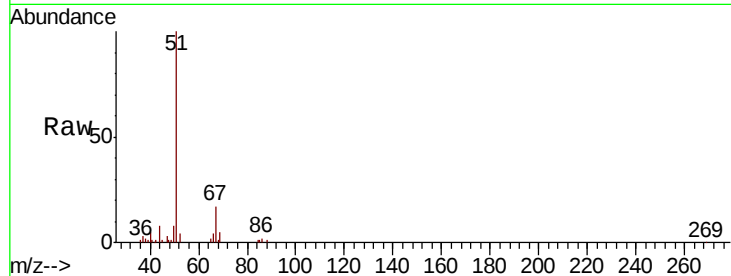
#3
Chlorodifluoromethane
Concen: 0.457 ppbv
RT: 3.02 min Scan# 26
Delta R.T. -0.00 min
Lab File: VL032785.D
Acq: 20 Nov 2018 19:26

Instrument :
MSVOA_L
ClientSampleId :
IA2

Tot Ion	Ratio	Lower	Upper
51	100		
67	20.4	16.1	24.1

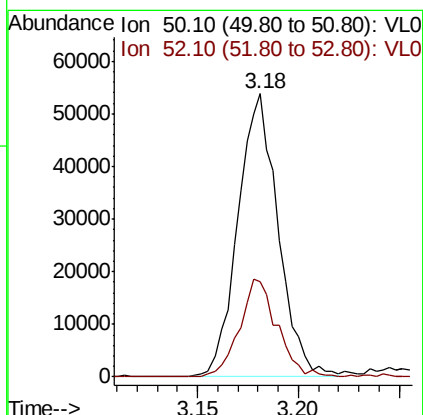
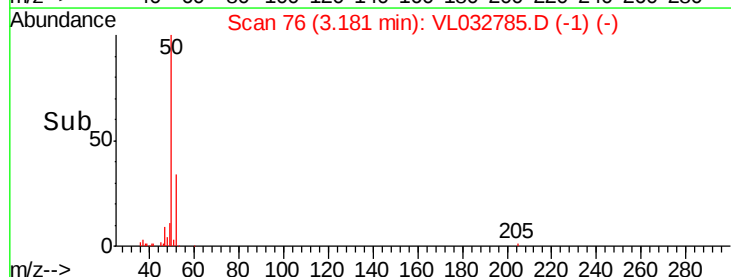
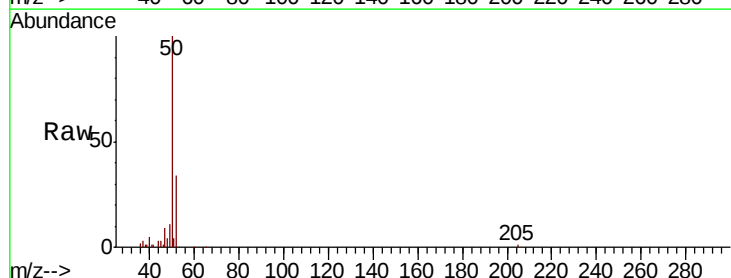
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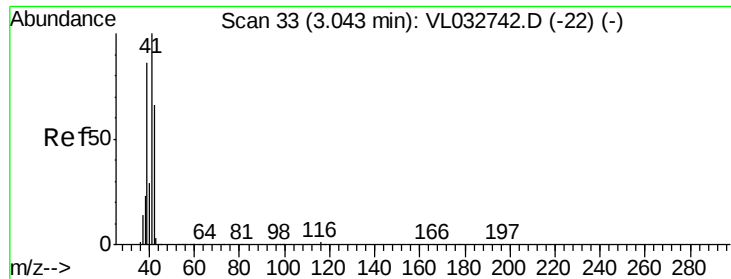
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#4
Chloromethane
Concen: 1.265 ppbv
RT: 3.18 min Scan# 76
Delta R.T. 0.00 min
Lab File: VL032785.D
Acq: 20 Nov 2018 19:26

Tgt Ion	Ratio	Lower	Upper
50	100		
52	33.8	26.6	40.0





#9

Propene

Concen: 1.759 ppbv

RT: 3.05 min Scan# 35

Delta R.T. 0.01 min

Lab File: VL032785.D

Acq: 20 Nov 2018 19:26

Instrument :

MSVOA_L

ClientSampleId :

IA2

Tot Ion: 41 Resp: 75693

Ion Ratio Lower Upper

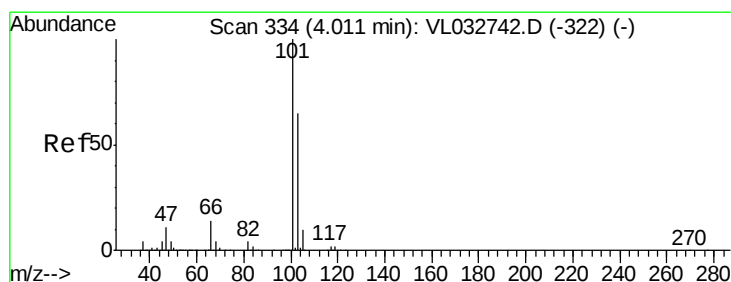
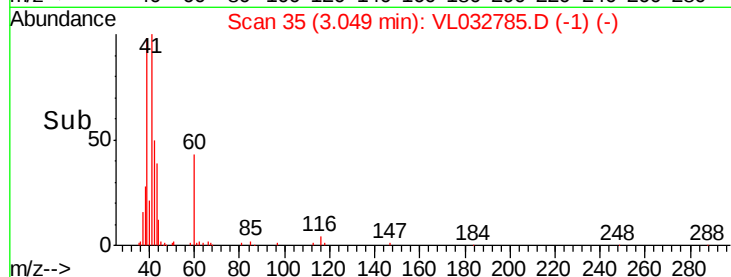
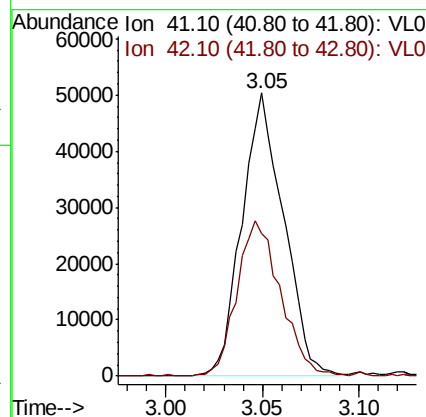
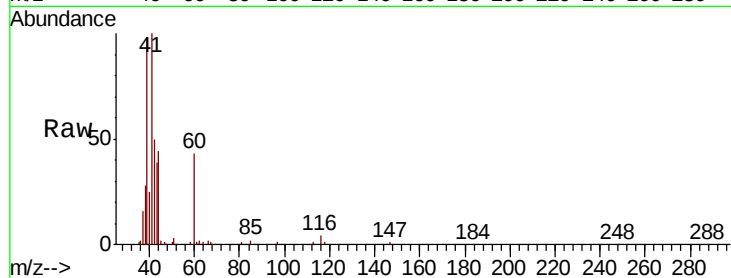
41 100

42 57.6 55.0 82.6

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#11

Trichlorofluoromethane

Concen: 0.173 ppbv m

RT: 4.01 min Scan# 335

Delta R.T. 0.00 min

Lab File: VL032785.D

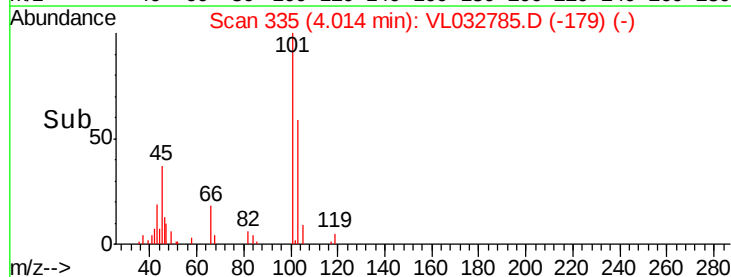
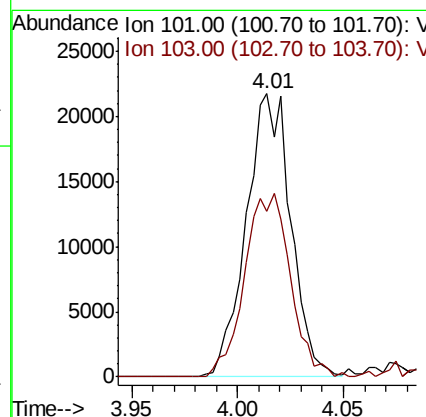
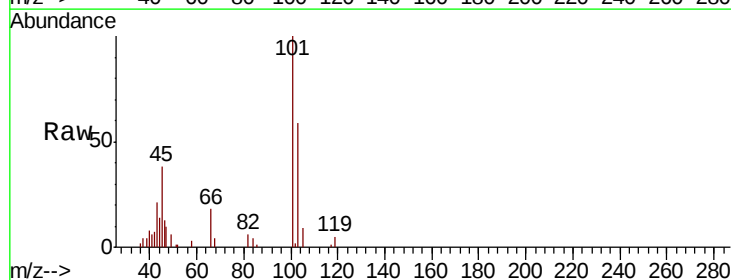
Acq: 20 Nov 2018 19:26

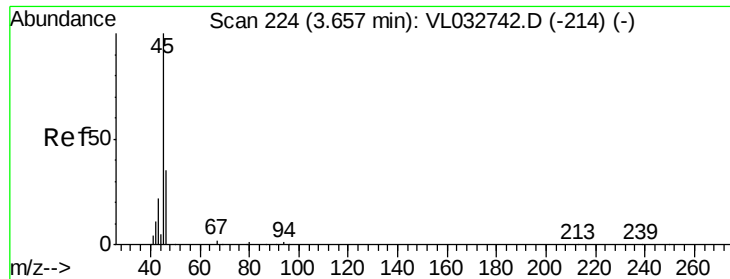
Tgt Ion: 101 Resp: 31850

Ion Ratio Lower Upper

101 100

103 58.5 51.6 77.4





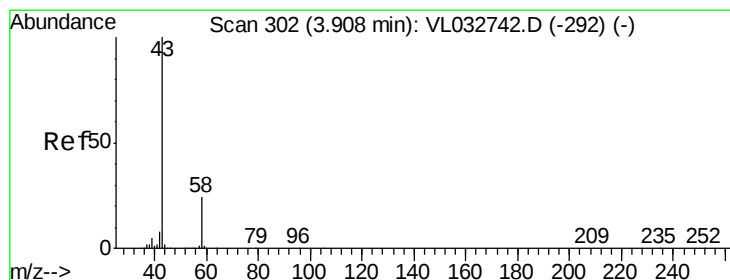
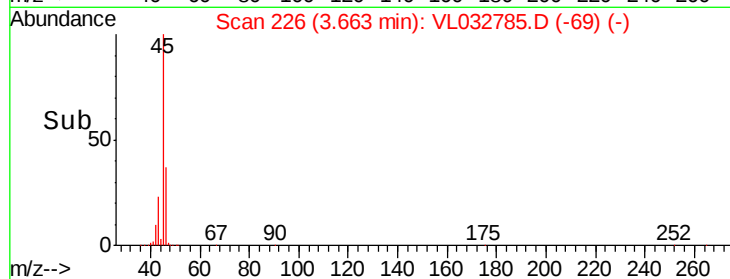
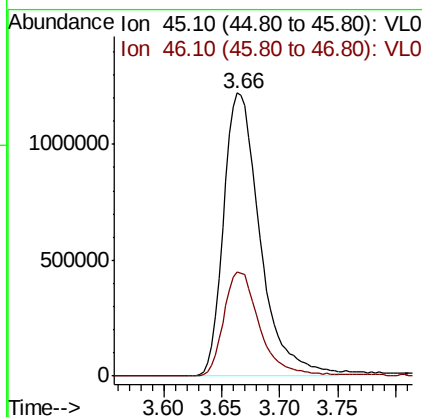
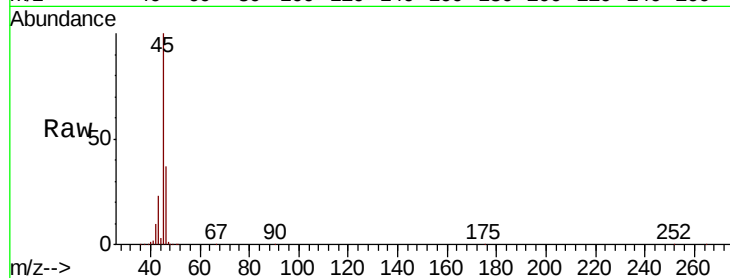
#13
Ethanol
Concen: 190.219 ppbv
RT: 3.66 min Scan# 226
Delta R.T. 0.01 min
Lab File: VL032785.D
Acq: 20 Nov 2018 19:26

Instrument :
MSVOA_L
ClientSampled :
IA2

Tot Ion: 45 Resp: 2680556
Ion Ratio Lower Upper
45 100
46 37.1 14.5 57.9

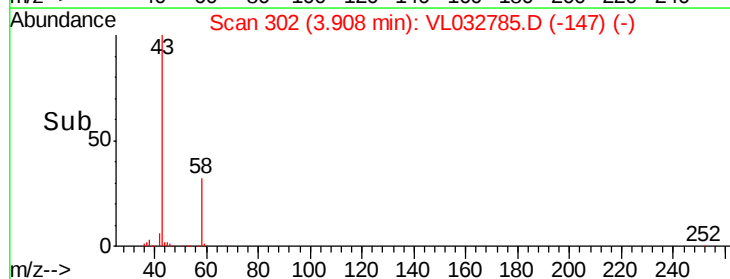
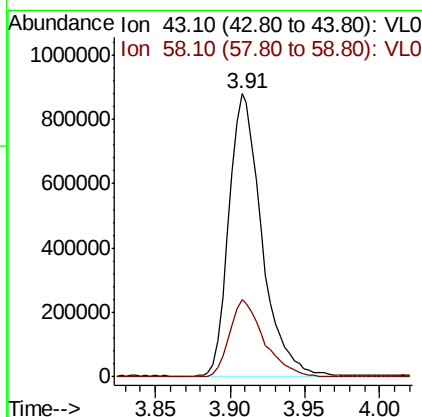
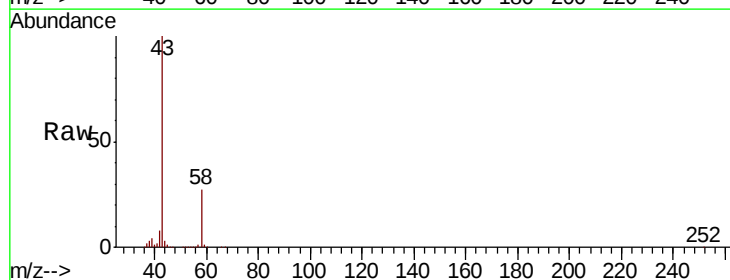
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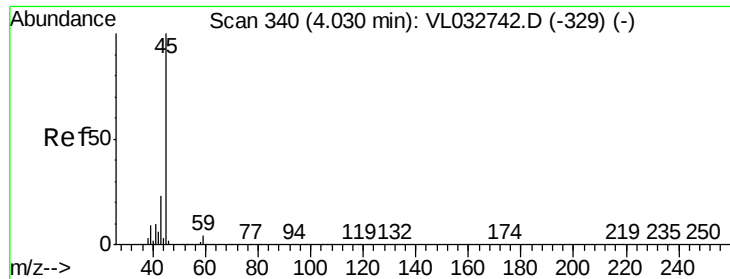
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#15
Acetone
Concen: 10.776 ppbv
RT: 3.91 min Scan# 302
Delta R.T. -0.00 min
Lab File: VL032785.D
Acq: 20 Nov 2018 19:26

Tgt Ion: 43 Resp: 1334476
Ion Ratio Lower Upper
43 100
58 29.1 21.1 31.7





#19

Isopropyl Alcohol

Concen: 4.098 ppbv

RT: 4.04 min Scan# 344

Delta R.T. 0.01 min

Lab File: VL032785.D

Acq: 20 Nov 2018 19:26

Instrument :

MSVOA_L

ClientSampleId :

IA2

Tot Ion: 45 Resp: 338062

Ion Ratio Lower Upper

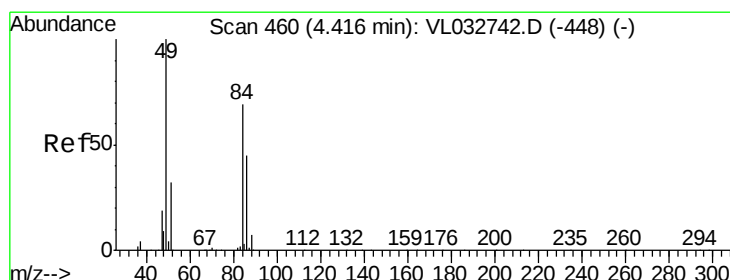
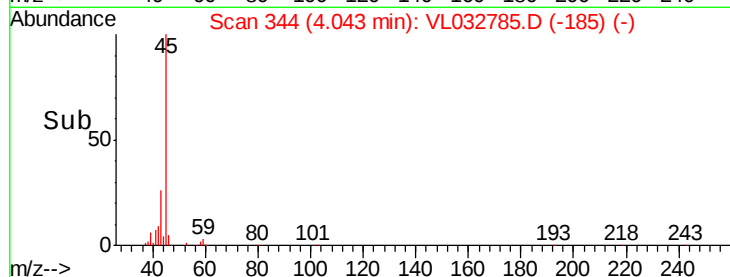
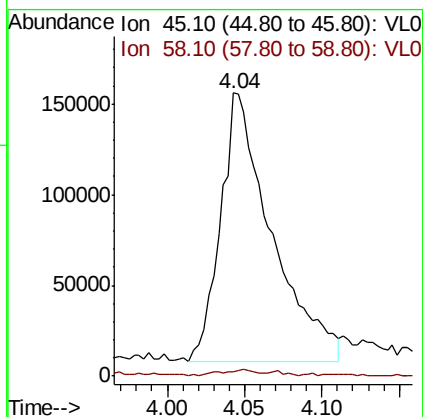
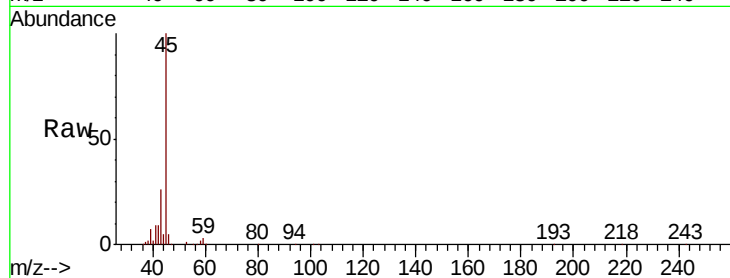
45 100

58 114.2 1.4 2.0#

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#20

Methylene Chloride

Concen: 0.818 ppbv

RT: 4.42 min Scan# 461

Delta R.T. 0.00 min

Lab File: VL032785.D

Acq: 20 Nov 2018 19:26

Tgt Ion: 84 Resp: 52465

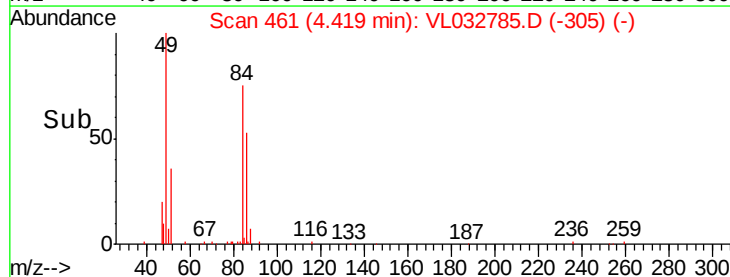
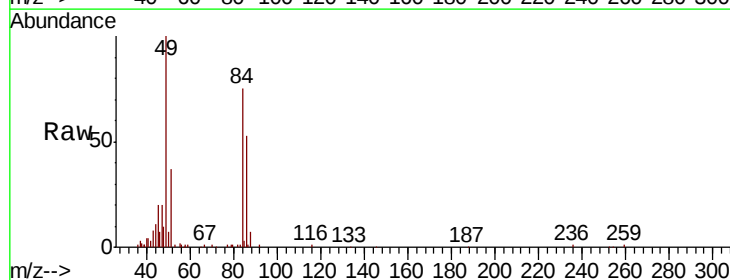
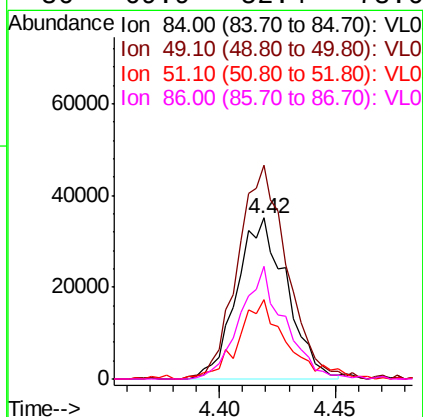
Ion Ratio Lower Upper

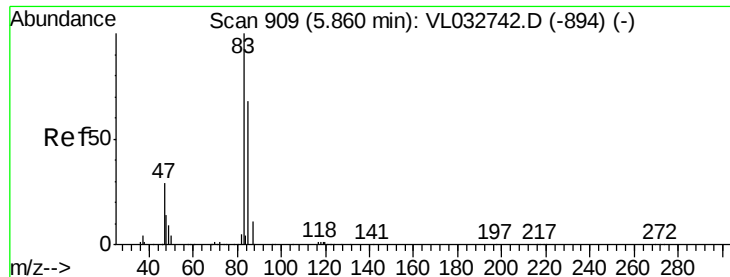
84 100

49 130.7 115.8 173.6

51 47.4 36.9 55.3

86 69.9 52.4 78.6





#29

Chloroform

Concen: 0.268 ppbv

RT: 5.86 min Scan# 908

Delta R.T. -0.00 min

Lab File: VL032785.D

Acq: 20 Nov 2018 19:26

Instrument :

MSVOA_L

ClientSampleId :

IA2

Tot Ion: 83 Resp: 61304

Ion Ratio Lower Upper

83 100

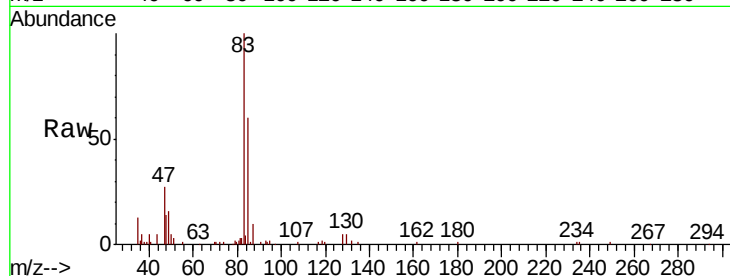
85 59.8 54.2 81.4

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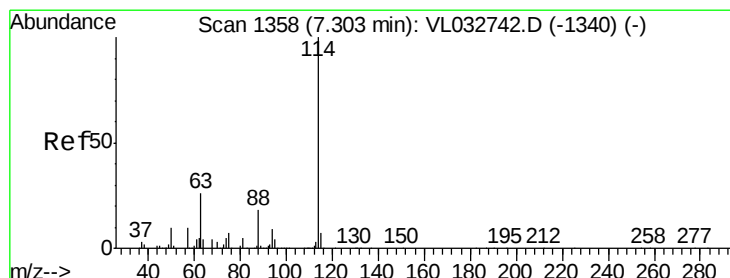
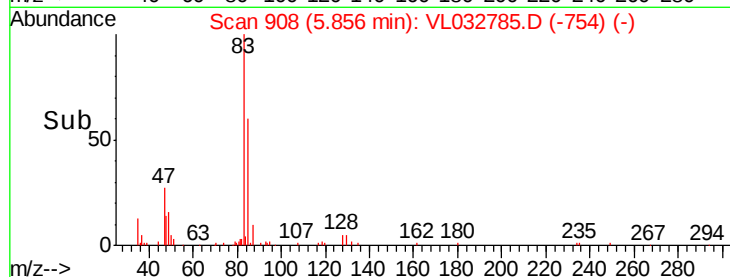
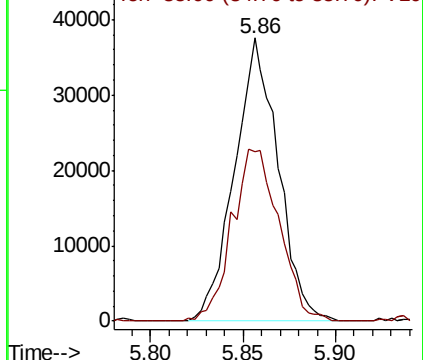
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Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.30 min Scan# 1357

Delta R.T. -0.00 min

Lab File: VL032785.D

Acq: 20 Nov 2018 19:26

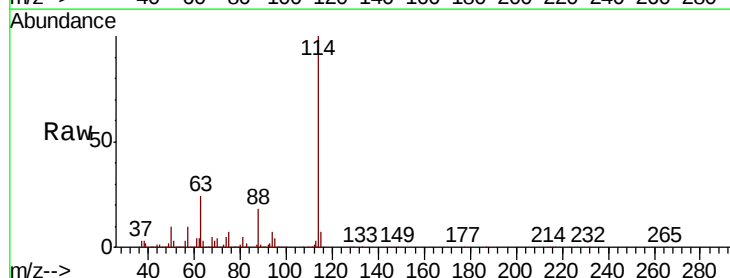
Tgt Ion: 114 Resp: 3488110

Ion Ratio Lower Upper

114 100

63 24.2 20.9 31.3

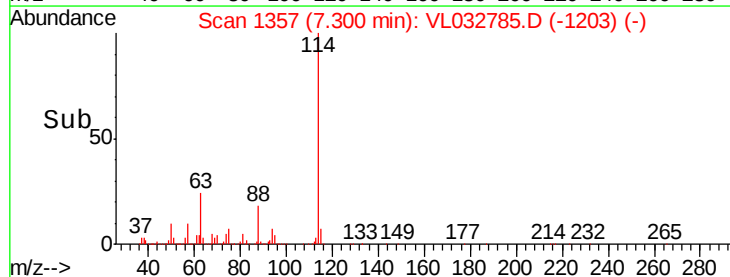
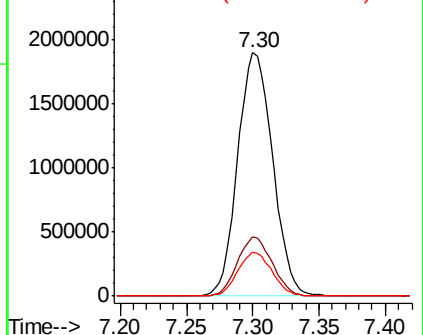
88 17.5 14.4 21.6

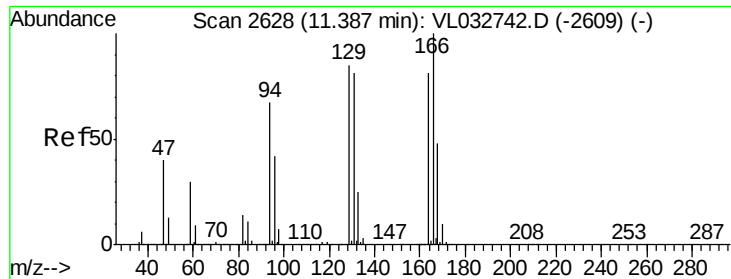


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0





#52

Tetrachloroethene

Concen: 0.247 ppbv m

RT: 11.39 min Scan# 2628

Delta R.T. -0.00 min

Lab File: VL032785.D

Acq: 20 Nov 2018 19:26

Instrument :

MSVOA_L

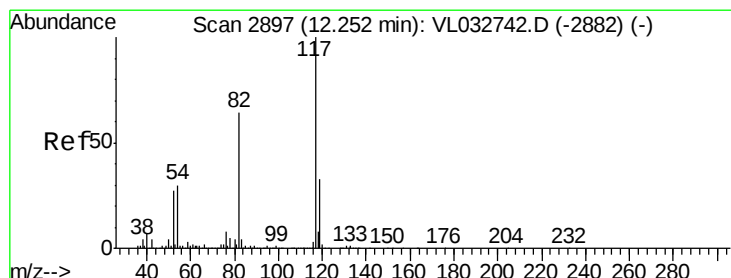
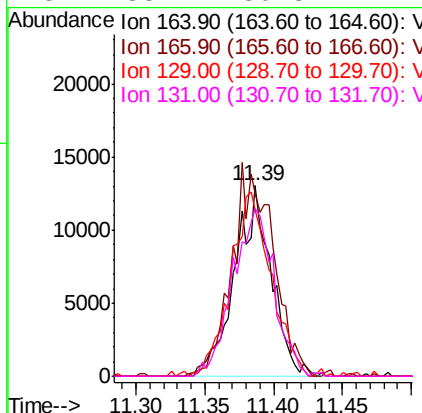
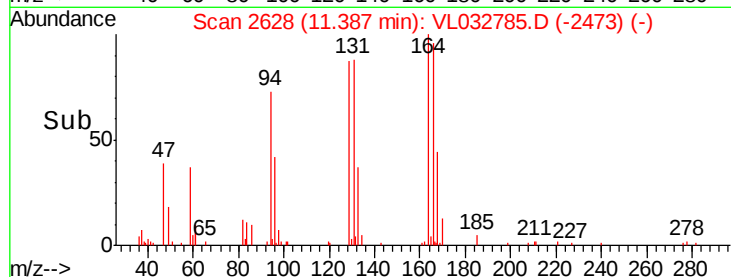
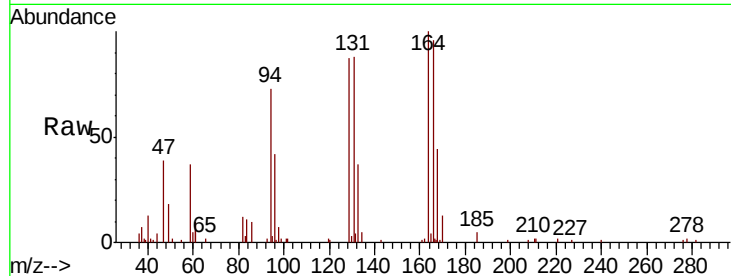
ClientSampled :

IA2

Tot Ion:	164	Resp:	23893
Ion Ratio	Lower	Upper	
164	100		
166	96.4	99.3	148.9#
129	87.3	83.9	125.9
131	88.1	80.8	121.2

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

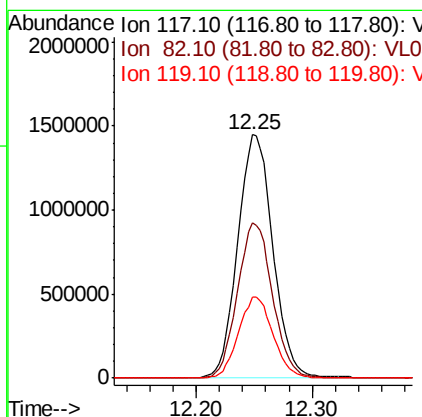
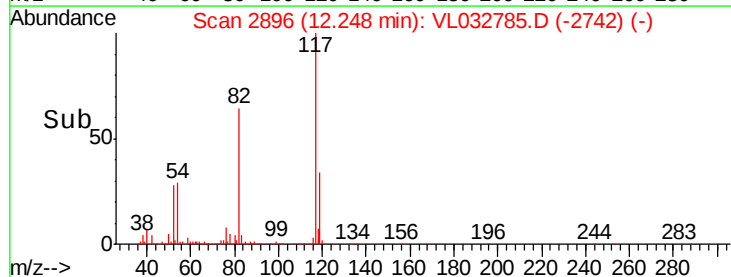
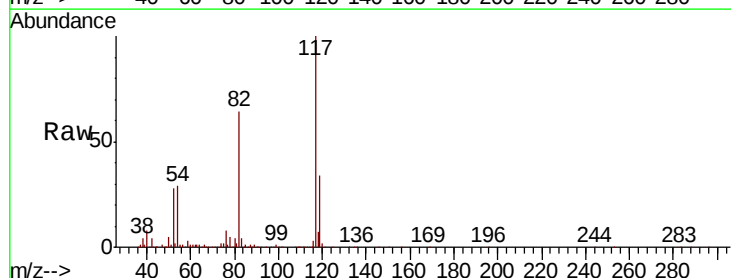
RT: 12.25 min Scan# 2896

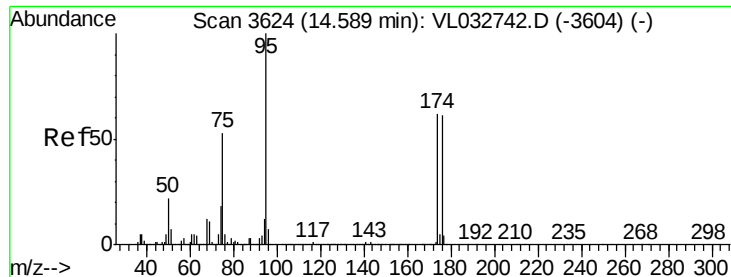
Delta R.T. -0.00 min

Lab File: VL032785.D

Acq: 20 Nov 2018 19:26

Tgt Ion:	117	Resp:	3057437
Ion Ratio	Lower	Upper	
117	100		
82	64.1	51.0	76.6
119	32.8	28.0	42.0





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.555 ppbv
 RT: 14.59 min Scan# 3623
 Delta R.T. -0.00 min
 Lab File: VL032785.D
 Acq: 20 Nov 2018 19:26

Instrument :
 MSVOA_L
 ClientSampleId :
 IA2

Tot Ion	Ratio	Lower	Upper
95	100		
174	68.6	50.7	76.1
175	5.0	3.8	5.6

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