

Data File : VL033793.D
Acq On : 24 May 2019 4:03
Operator : SY/AP
Sample : K2929-16
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3006-25

Quant Time: May 24 07:32:55 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri May 17 08:15:41 2019
QLast Update : Fri May 17 08:15:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	896496	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2337229	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2370933	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1864088	9.70	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.00%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.08	85	37070	0.196	ppbv	94
3) Chlorodifluoromethane	3.01	51	81453	0.793	ppbv #	78
4) Chloromethane	3.17	50	14281	0.243	ppbv #	84
6) Bromomethane	3.51	94	398	0.011	ppbv #	4
9) Propene	3.03	41	1983564	45.413	ppbv	93
10) Heptane	8.24	43	267605	2.164	ppbv	98
11) Trichlorofluoromethane	4.00	101	43515	0.241	ppbv #	82
12) 1,1,2-Trichlorotrifluoroet	4.55	101	34647	0.275	ppbv	93
13) Ethanol	3.66	45	759576	53.804	ppbv	97
15) Acetone	3.89	43	10965673	88.160	ppbv #	86
16) 1,3-Butadiene	3.34	39	1573556	31.768	ppbv #	22
17) tert-Butyl alcohol	4.36	59	402973	4.006	ppbv	99
19) Isopropyl Alcohol	4.03	45	124059	1.547	ppbv #	94
20) Methylene Chloride	4.41	84	89548	1.870	ppbv	98
21) Allyl Chloride	4.46	41	30223	0.390	ppbv #	1
23) Vinyl Acetate	5.14	43	101783	0.621	ppbv #	1
25) Ethyl Acetate	5.78	43	304638	1.394	ppbv #	85
26) Hexane	5.77	57	342268	3.644	ppbv #	43
27) Carbon Disulfide	4.62	76	321932	2.498	ppbv	99
28) Methyl tert-Butyl Ether	5.11	73	1765	0.012	ppbv #	54
29) Chloroform	5.85	83	28406	0.164	ppbv	88
30) Cyclohexane	7.25	84	17489	0.221	ppbv #	1
34) 2-Butanone	5.33	43	1574373	10.867	ppbv	98
35) Carbon Tetrachloride	7.13	117	7753	0.041	ppbv #	78
36) Benzene	7.00	78	329027	1.548	ppbv	96
38) Trichloroethene	7.96	130	5894	0.075	ppbv #	71
39) 1,2-Dichloropropane	7.29	63	554834	7.000	ppbv #	23
41) Tetrahydrofuran	6.16	42	15770	0.194	ppbv #	79
42) Bromodichloromethane	7.91	83	5112	0.027	ppbv #	23
43) Methyl Methacrylate	8.10	69	893	0.011	ppbv #	1
44) 2,2,4-Trimethylpentane	7.99	57	124049	0.345	ppbv #	66
50) 4-Methyl-2-Pentanone	8.87	43	96836	0.435	ppbv	97
51) 2-Hexanone	10.26	43	300372	1.727	ppbv #	99
52) Tetrachloroethene	11.37	164	10314	0.138	ppbv #	81
53) Toluene	9.94	91	2385681	10.403	ppbv	99
58) Ethyl Benzene	12.86	91	516313	1.644	ppbv	98
59) m/p-Xylene	13.11	91	1569524	5.719	ppbv	97
60) o-Xylene	13.84	91	556056	2.010	ppbv	99
61) Styrene	13.68	104	20530	0.110	ppbv #	72
62) Isopropylbenzene	14.83	105	42633	0.114	ppbv	94
63) 1,1,2,2-Tetrachloroethane	13.83	83	4486	0.022	ppbv #	25

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL052319\
Quantitation Report (Not Reviewed)

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Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3006-25

Quant Time: May 24 07:32:55 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri May 17 08:15:41 2019
QLast Update : Fri May 17 08:15:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
64) n-propylbenzene	15.71	120	36788	0.382	ppbv	87
65) tert-Butylbenzene	16.92	119	27949	0.082	ppbv #	19
69) p-Isopropyltoluene	17.81	119	12480	0.032	ppbv #	25
70) n-Butylbenzene	18.73	91	43832	0.104	ppbv #	38
71) 2-Chlorotoluene	15.93	91	22779	0.082	ppbv	85
72) 4-Ethyltoluene	15.99	105	193096	0.610	ppbv	97
73) 1,3,5-Trimethylbenzene	16.15	105	130622	0.423	ppbv	92
74) 1,2,4-Trimethylbenzene	16.92	105	486874	1.449	ppbv #	72
75) 1,3-Dichlorobenzene	17.16	146	56151	0.273	ppbv #	71
76) 1,4-Dichlorobenzene	17.30	146	3042	0.016	ppbv #	24
79) Naphthalene	22.42	128	31490	0.101	ppbv	98
80) Naphthalene,2-methyl-	25.11	142	6729	0.057	ppbv #	72

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

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Acq On : 24 May 2019 4:03

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Sample : K2929-16

Misc : 400ml/MSVOA L

ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3006-25

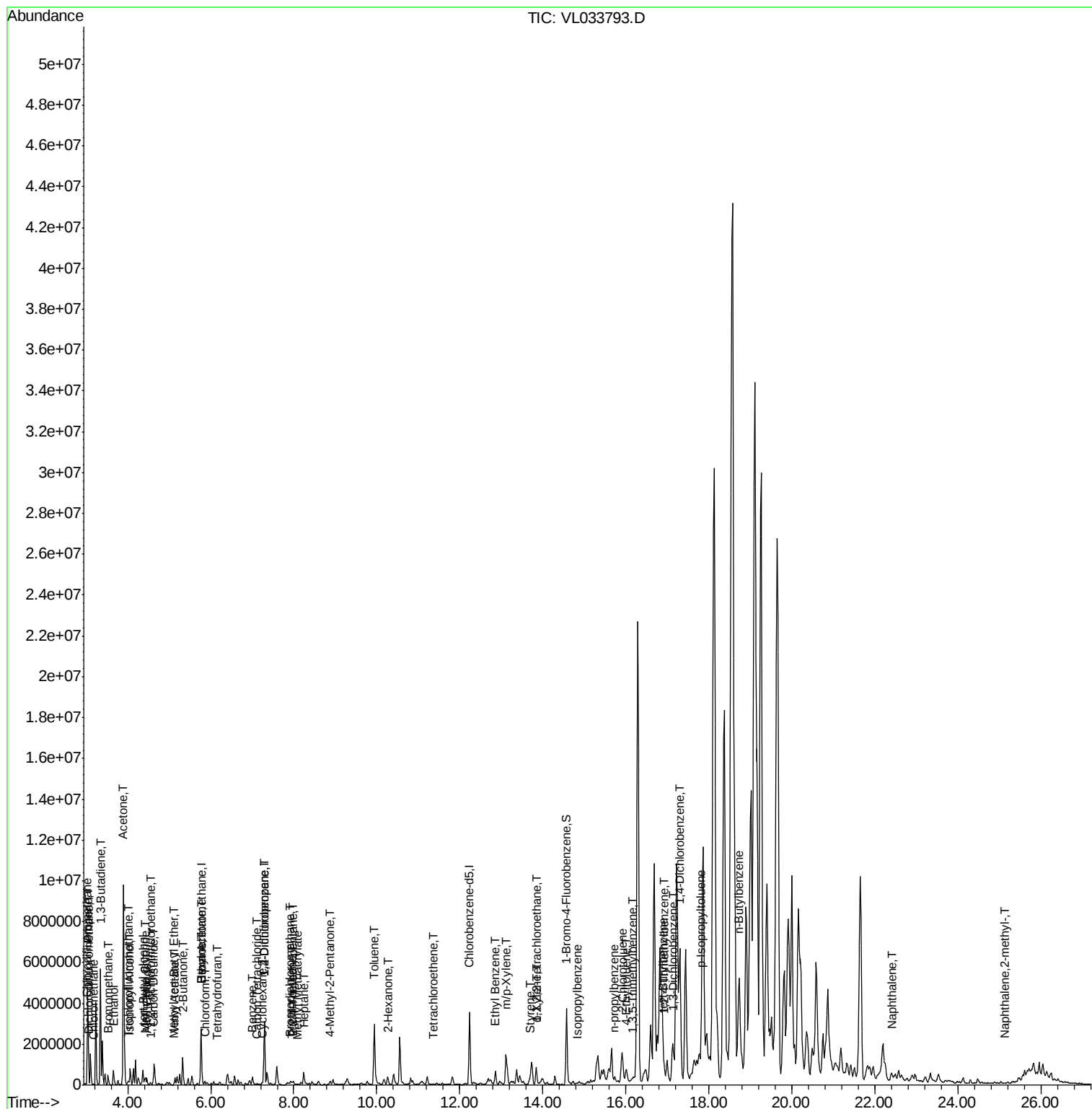
Quant Time: May 24 07:32:55 2019

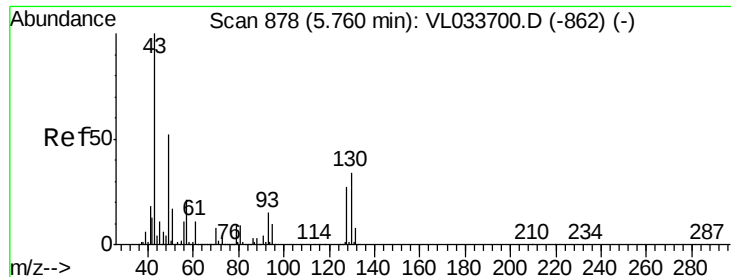
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_L\METHODS\VL051719AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LFri May 17 08:15:41 2019

QLast Update : Fri May 17 08:15:41 2019

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 879

Delta R.T. 0.00 min

Lab File: VL033793.D

Acq: 24 May 2019 4:03

Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3006-25

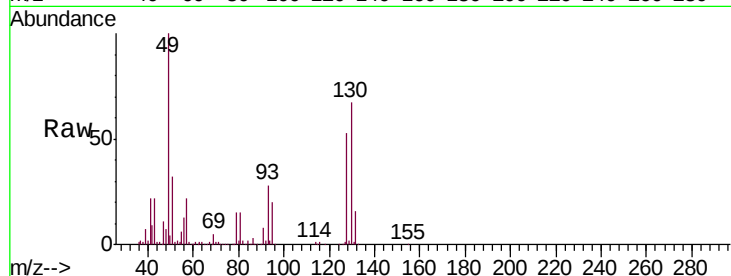
Tgt Ion: 49 Resp: 896496

Ion Ratio Lower Upper

49 100

128 52.6 25.2 75.6

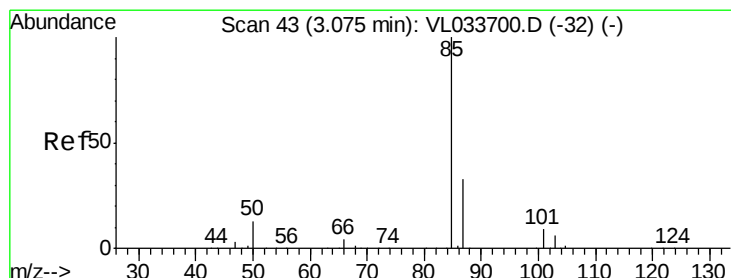
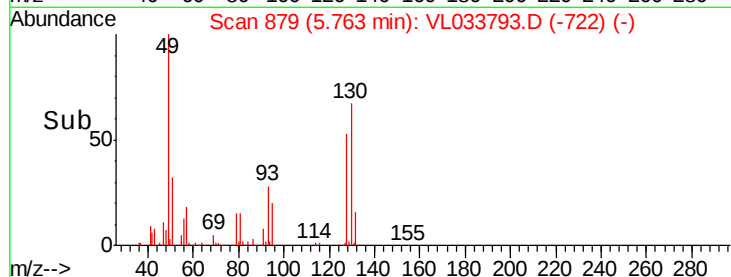
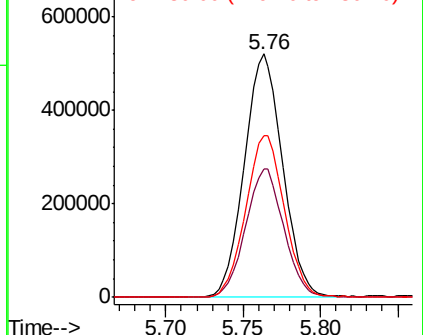
130 67.5 32.5 97.5



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: 0.196 ppbv

RT: 3.08 min Scan# 43

Delta R.T. 0.00 min

Lab File: VL033793.D

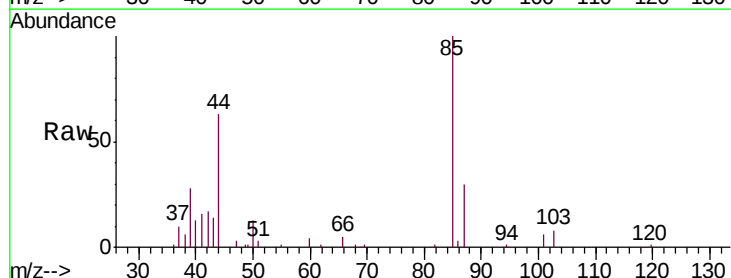
Acq: 24 May 2019 4:03

Tgt Ion: 85 Resp: 37070

Ion Ratio Lower Upper

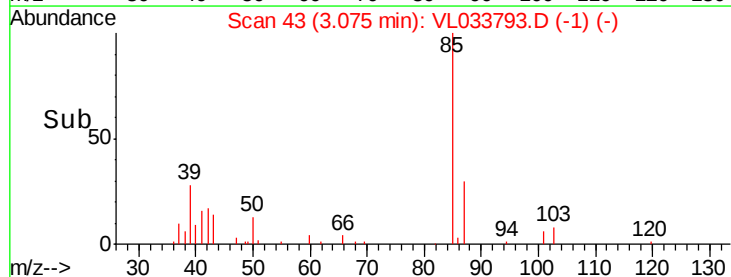
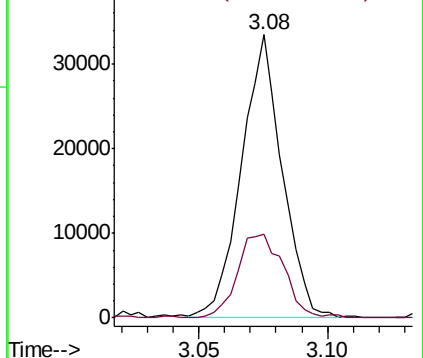
85 100

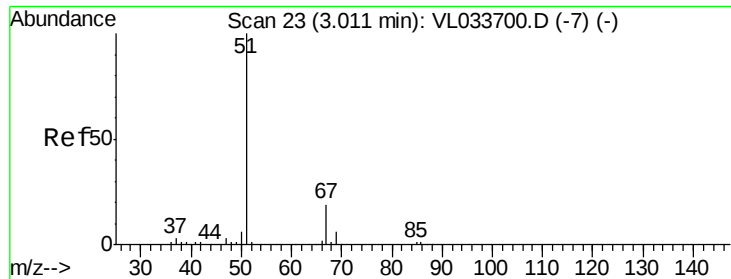
87 29.6 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.793 ppbv

RT: 3.01 min Scan# 24

Delta R.T. 0.00 min

Lab File: VL033793.D

Acq: 24 May 2019 4:03

Instrument :

MSVOA_L

ClientSampleId :

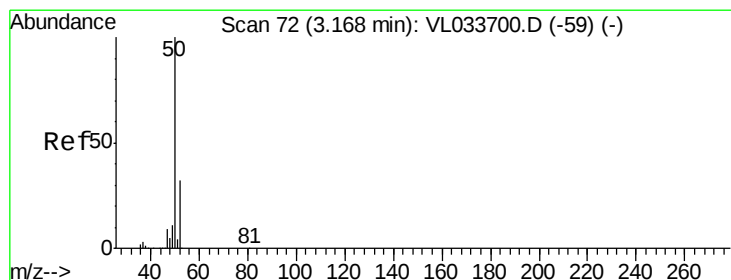
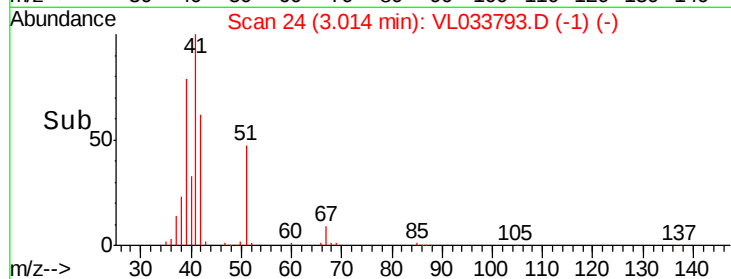
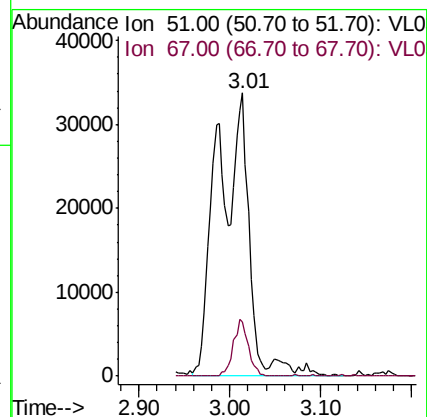
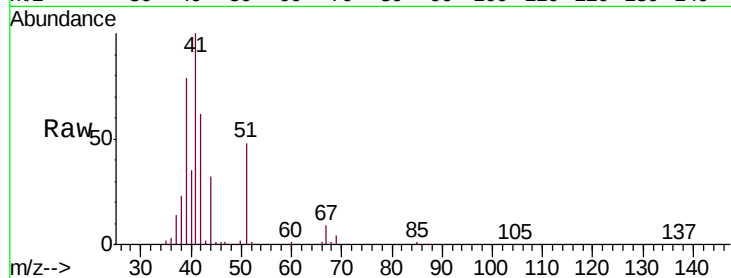
BPS1-SG-3006-25

Tgt Ion: 51 Resp: 81453

Ion Ratio Lower Upper

51 100

67 9.5 15.6 23.4#



#4

Chloromethane

Concen: 0.243 ppbv

RT: 3.17 min Scan# 72

Delta R.T. 0.00 min

Lab File: VL033793.D

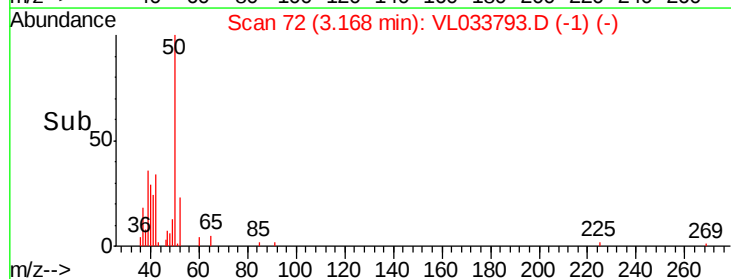
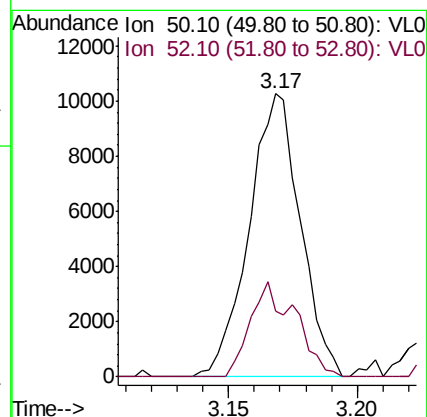
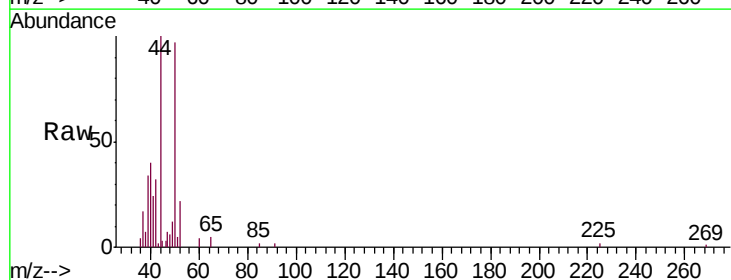
Acq: 24 May 2019 4:03

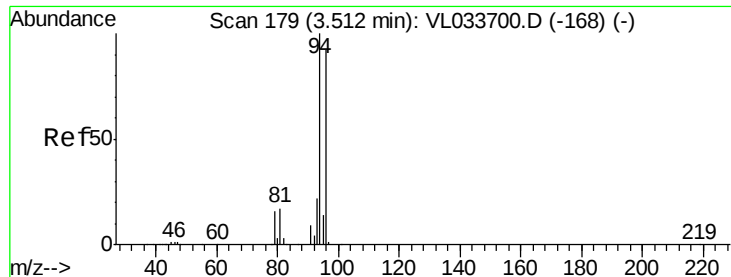
Tgt Ion: 50 Resp: 14281

Ion Ratio Lower Upper

50 100

52 23.1 25.7 38.5#





#6

Bromomethane

Concen: 0.011 ppbv

RT: 3.51 min Scan# 179

Delta R.T. 0.00 min

Lab File: VL033793.D

Acq: 24 May 2019 4:03

Instrument :

MSVOA_L

ClientSampleId :

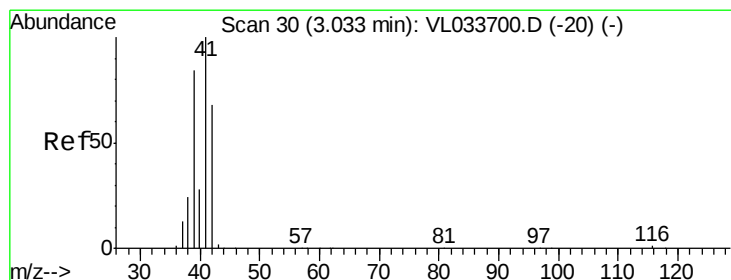
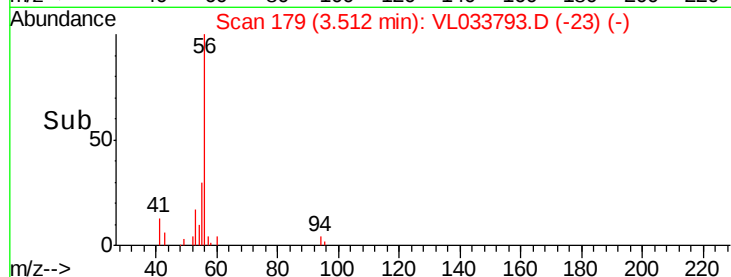
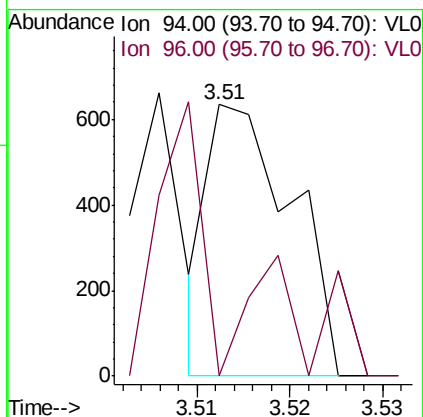
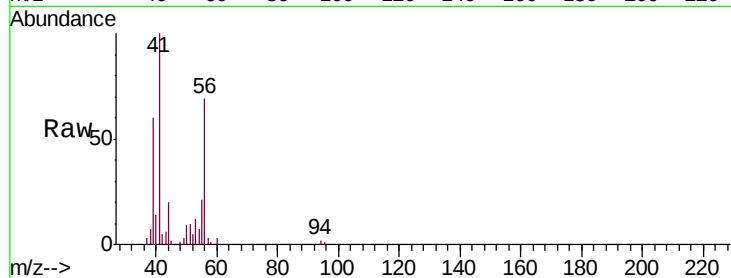
BPS1-SG-3006-25

Tgt Ion: 94 Resp: 398

Ion Ratio Lower Upper

94 100

96 0.0 73.6 110.4#



#9

Propene

Concen: 45.413 ppbv

RT: 3.03 min Scan# 30

Delta R.T. 0.00 min

Lab File: VL033793.D

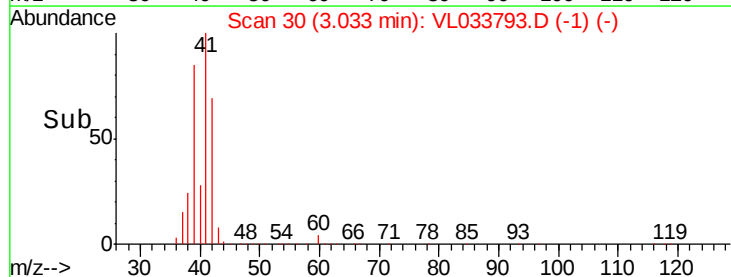
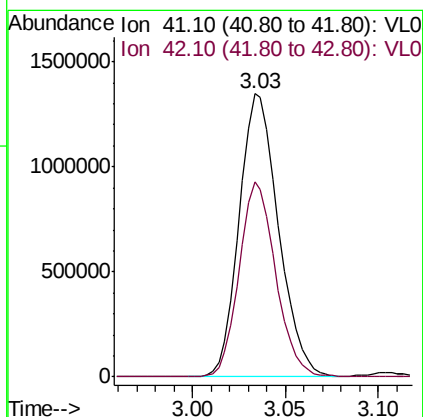
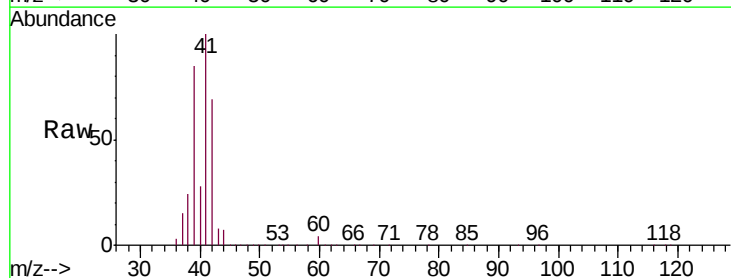
Acq: 24 May 2019 4:03

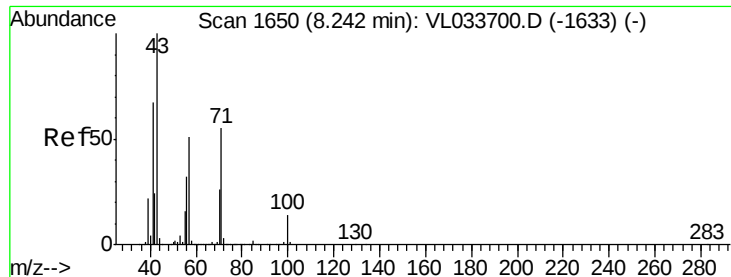
Tgt Ion: 41 Resp: 1983564

Ion Ratio Lower Upper

41 100

42 64.2 56.1 84.1





#10

Heptane

Concen: 2.164 ppbv

RT: 8.24 min Scan# 1650

Delta R.T. 0.00 min

Lab File: VL033793.D

Acq: 24 May 2019 4:03

Instrument :

MSVOA_L

ClientSampleId :

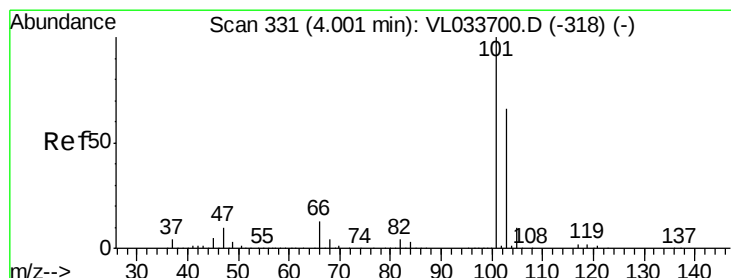
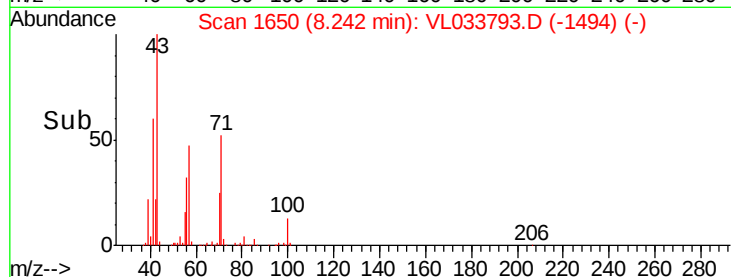
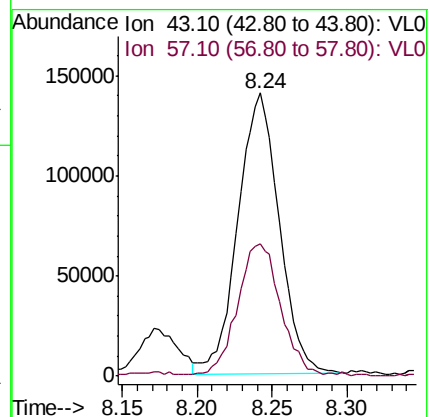
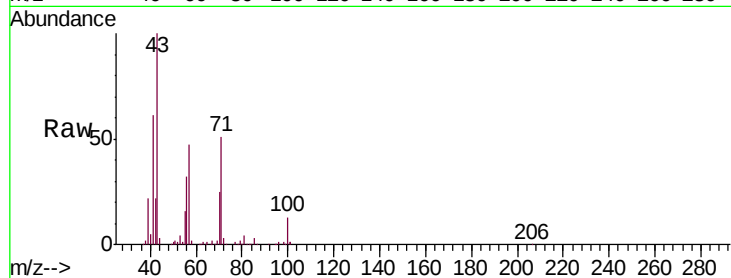
BPS1-SG-3006-25

Tgt Ion: 43 Resp: 267605

Ion Ratio Lower Upper

43 100

57 50.5 41.4 62.0



#11

Trichlorofluoromethane

Concen: 0.241 ppbv

RT: 4.00 min Scan# 331

Delta R.T. 0.00 min

Lab File: VL033793.D

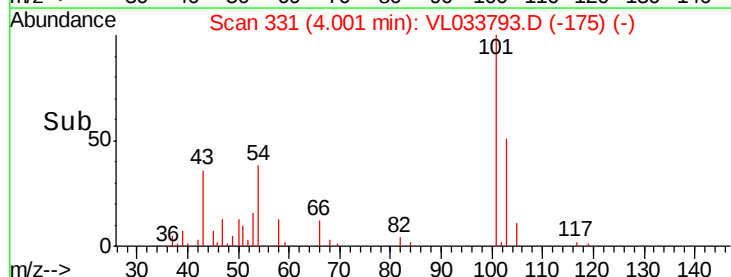
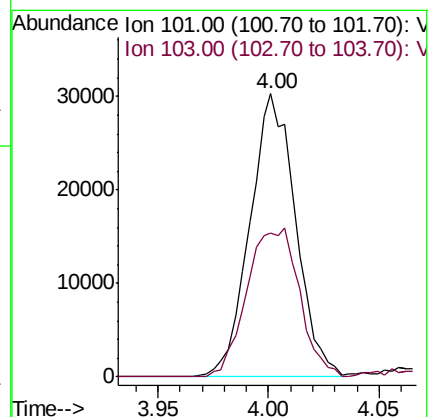
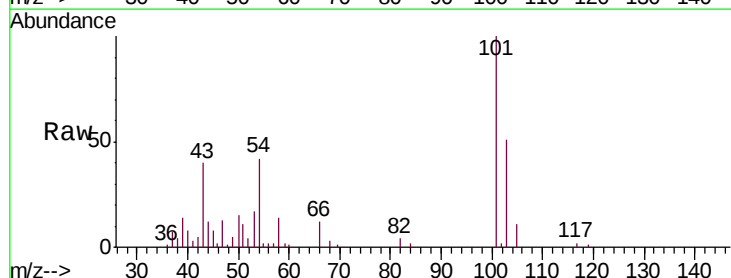
Acq: 24 May 2019 4:03

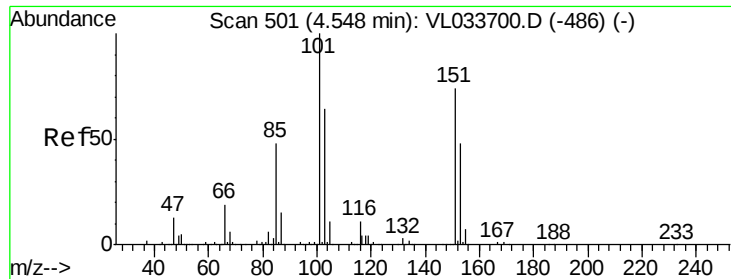
Tgt Ion: 101 Resp: 43515

Ion Ratio Lower Upper

101 100

103 51.0 52.6 78.8#





#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.275 ppbv

RT: 4.55 min Scan# 502

Delta R.T. 0.00 min

Lab File: VL033793.D

Acq: 24 May 2019 4:03

Instrument :

MSVOA_L

ClientSampleId :

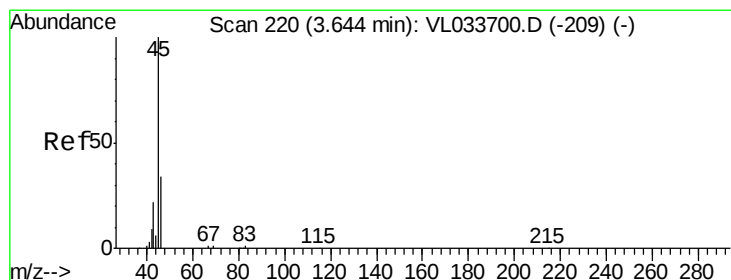
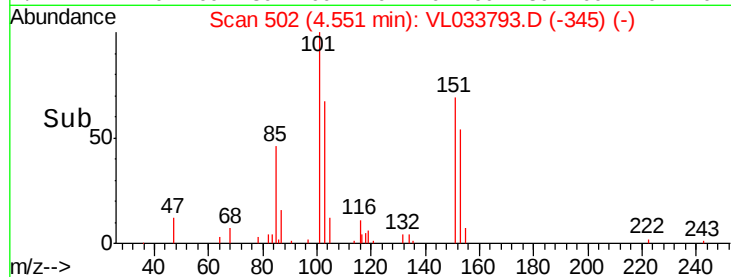
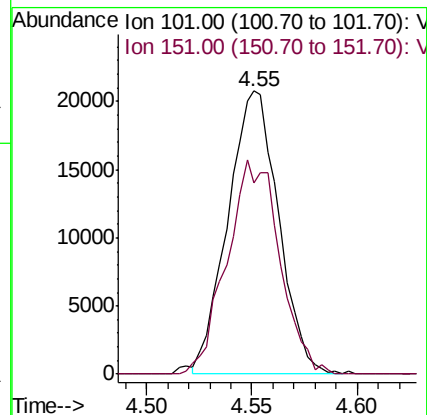
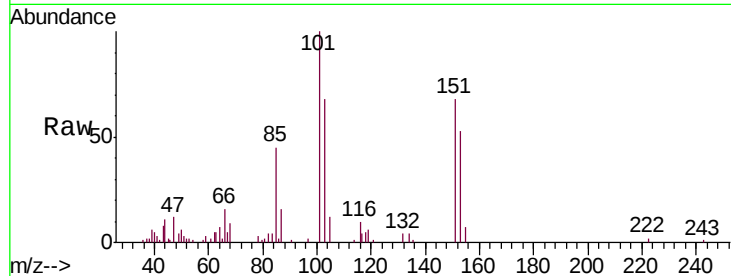
BPS1-SG-3006-25

Tgt Ion:101 Resp: 34647

Ion Ratio Lower Upper

101 100

151 78.5 58.2 87.4



#13

Ethanol

Concen: 53.804 ppbv

RT: 3.66 min Scan# 224

Delta R.T. 0.01 min

Lab File: VL033793.D

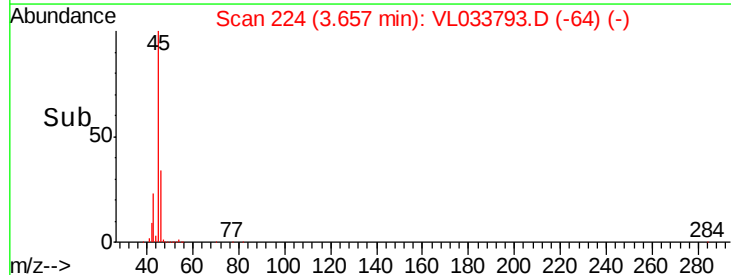
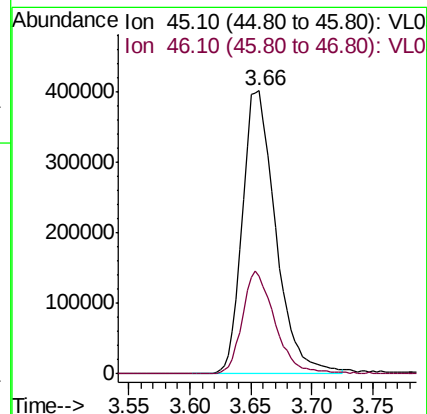
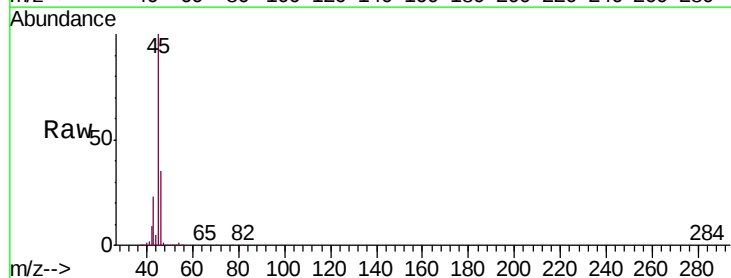
Acq: 24 May 2019 4:03

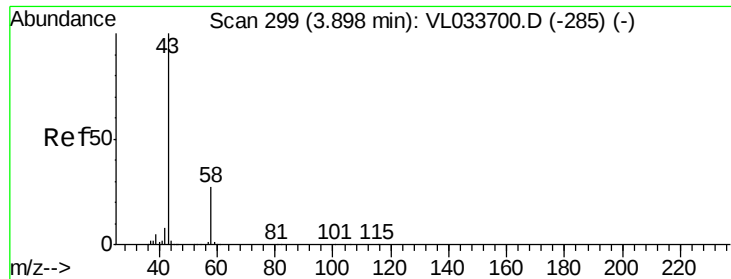
Tgt Ion: 45 Resp: 759576

Ion Ratio Lower Upper

45 100

46 35.3 14.8 59.0





#15

Acetone

Concen: 88.160 ppbv

RT: 3.89 min Scan# 298

Delta R.T. -0.00 min

Lab File: VL033793.D

Acq: 24 May 2019 4:03

Instrument :

MSVOA_L

ClientSampleId :

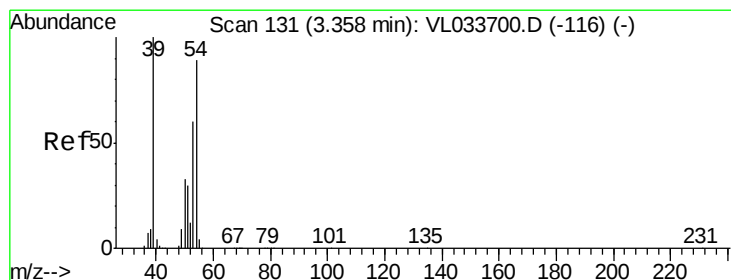
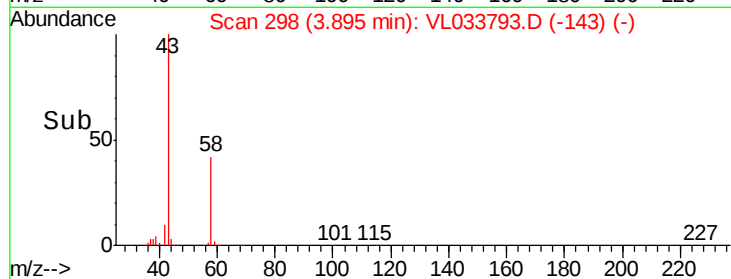
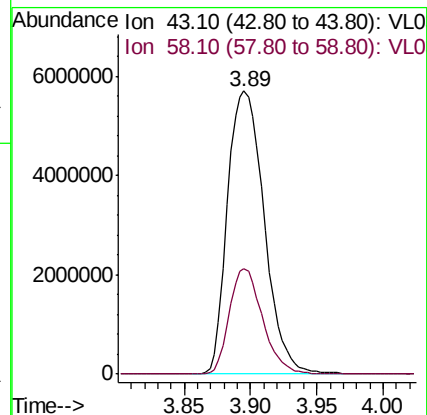
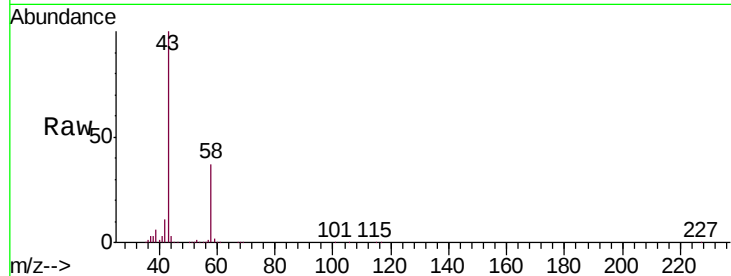
BPS1-SG-3006-25

Tgt Ion: 43 Resp:10965673

Ion Ratio Lower Upper

43 100

58 34.1 21.3 31.9#



#16

1,3-Butadiene

Concen: 31.768 ppbv

RT: 3.34 min Scan# 126

Delta R.T. -0.02 min

Lab File: VL033793.D

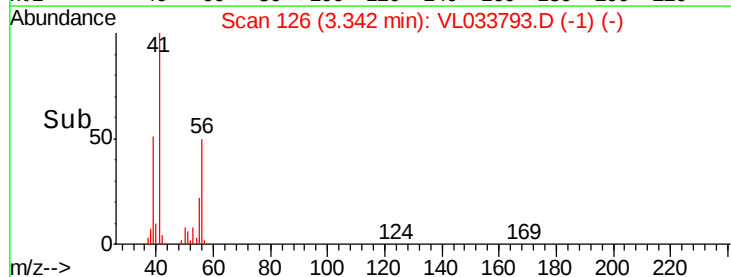
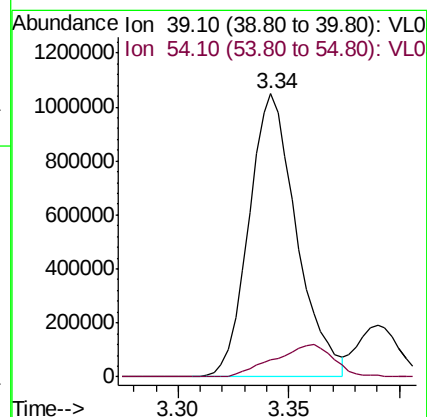
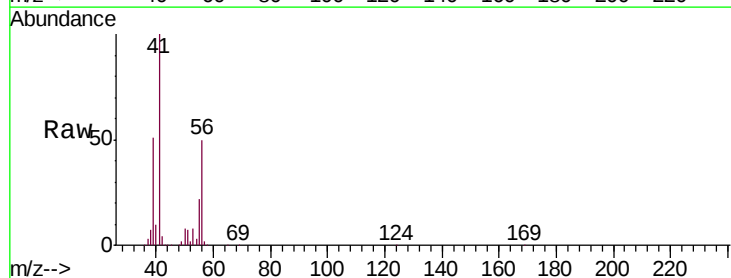
Acq: 24 May 2019 4:03

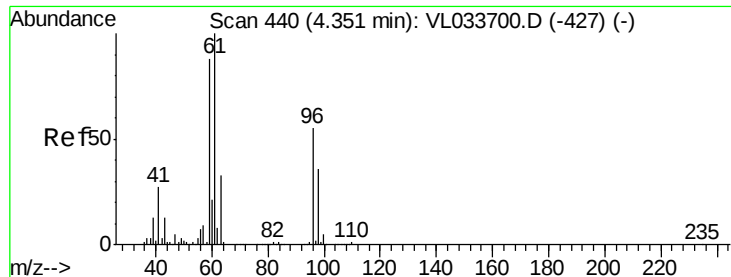
Tgt Ion: 39 Resp: 1573556

Ion Ratio Lower Upper

39 100

54 14.4 69.0 103.6#



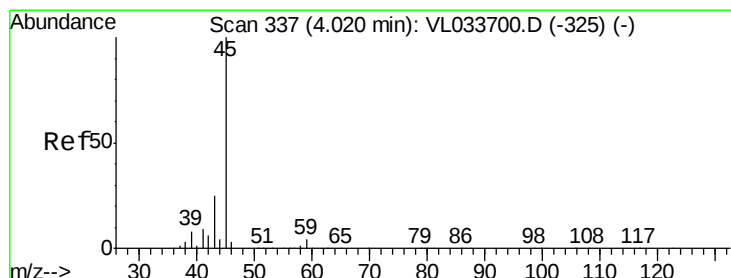
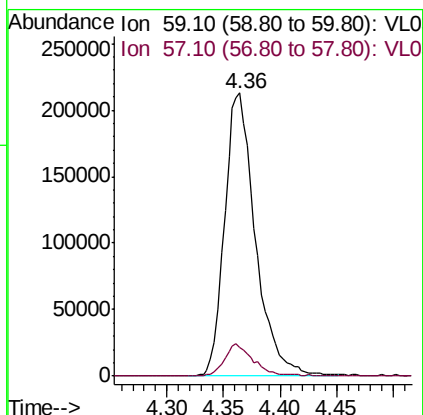
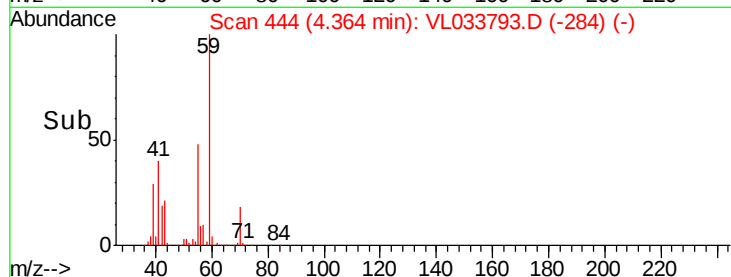
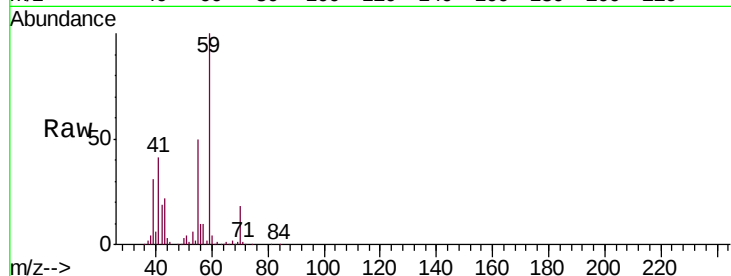


#17

tert-Butyl alcohol
Concen: 4.006 ppbv
RT: 4.36 min Scan# 444
Delta R.T. 0.01 min
Lab File: VL033793.D
Acq: 24 May 2019 4:03

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3006-25

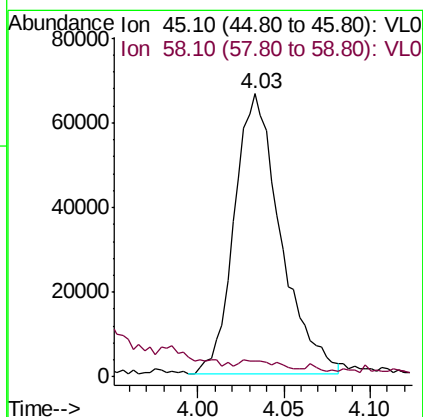
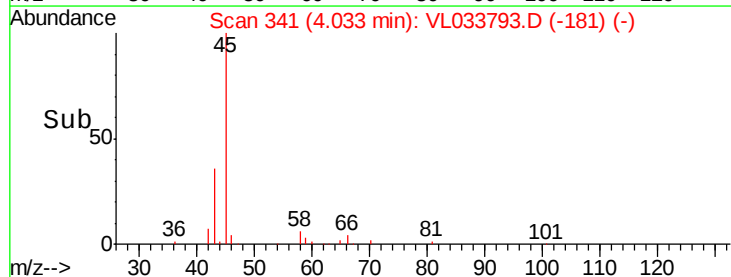
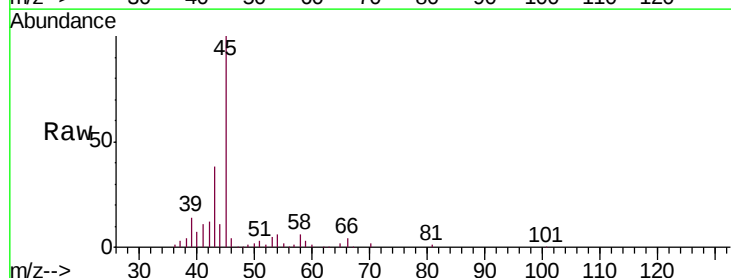
Tgt Ion: 59 Resp: 402973
Ion Ratio Lower Upper
59 100
57 10.8 8.4 12.6

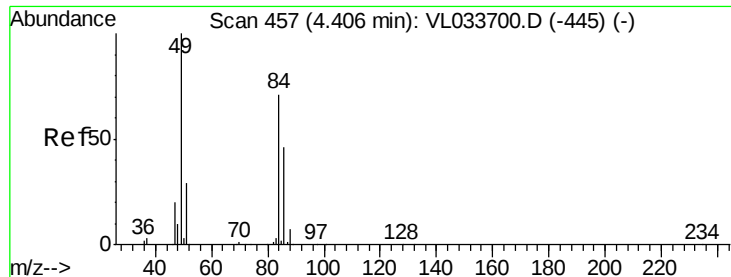


#19

Isopropyl Alcohol
Concen: 1.547 ppbv
RT: 4.03 min Scan# 341
Delta R.T. 0.01 min
Lab File: VL033793.D
Acq: 24 May 2019 4:03

Tgt Ion: 45 Resp: 124059
Ion Ratio Lower Upper
45 100
58 0.0 1.6 2.4#





#20

Methylene Chloride

Concen: 1.870 ppbv

RT: 4.41 min Scan# 459

Delta R.T. 0.01 min

Lab File: VL033793.D

Acq: 24 May 2019 4:03

Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3006-25

Tgt Ion: 84 Resp: 89548

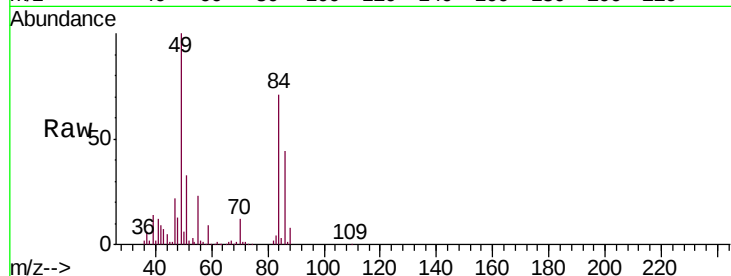
Ion Ratio Lower Upper

84 100

49 138.1 112.8 169.2

51 41.1 33.4 50.0

86 61.8 51.7 77.5

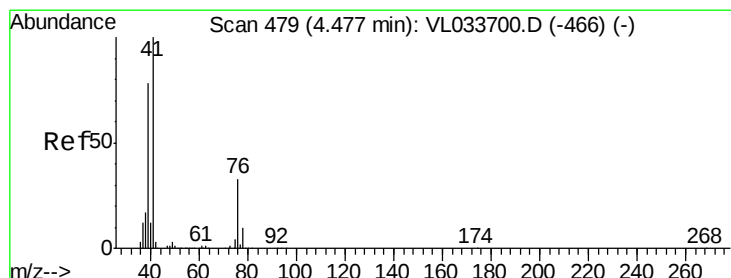
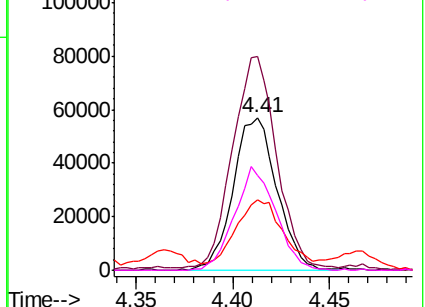
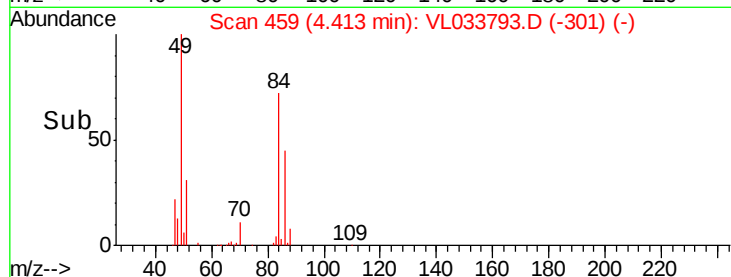


Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0



#21

Allyl Chloride

Concen: 0.390 ppbv

RT: 4.46 min Scan# 474

Delta R.T. -0.02 min

Lab File: VL033793.D

Acq: 24 May 2019 4:03

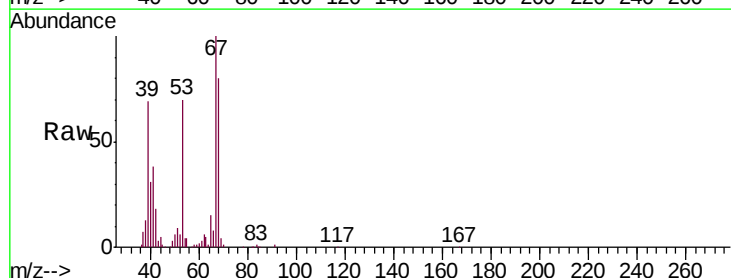
Tgt Ion: 41 Resp: 30223

Ion Ratio Lower Upper

41 100

76 0.0 25.9 38.9#

39 218.1 64.6 97.0#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 76.10 (75.80 to 76.80): VL0

Ion 39.10 (38.80 to 39.80): VL0

