

Data File : VL032243.D
Acq On : 13 Jul 2018 8:57
Operator : SY/AP
Sample : J3753-03DUP
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
EFFLUENTDUP

Quant Time: Jul 13 09:37:31 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL071218AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jul 13 04:25:14 2018
QLast Update : Fri Jul 13 04:25:14 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.85	49	1569428	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.38	114	3500200	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.33	117	4108286	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.67	95	3070456	9.65	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.50%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.13	85	35609	0.158	ppbv	92
3) Chlorodifluoromethane	3.06	51	140030	0.726	ppbv #	80
4) Chloromethane	3.22	50	38364	0.350	ppbv	98
5) Vinyl Chloride	3.35	62	3006	0.028	ppbv #	1
7) Chloroethane	3.66	64	50525	1.357	ppbv	95
9) Propene	3.09	41	189675	2.307	ppbv	95
10) Heptane	8.34	43	266801	1.143	ppbv	98
11) Trichlorofluoromethane	4.07	101	77815	0.360	ppbv	93
12) 1,1,2-Trichlorotrifluoroet	4.62	101	864251	6.260	ppbv	100
13) Ethanol	3.74	45	11410174	480.818	ppbv	98
15) Acetone	3.96	43	7836808	43.031	ppbv	99
16) 1,3-Butadiene	3.45	39	171568	1.864	ppbv #	7
17) tert-Butyl alcohol	4.46	59	1246272	14.656	ppbv	100
18) 1,1-Dichloroethene	4.42	96	201027	3.129	ppbv	96
19) Isopropyl Alcohol	4.13	45	7338711	61.368	ppbv #	26
20) Methylene Chloride	4.48	84	394479	6.392	ppbv	96
21) Allyl Chloride	4.46	41	249493	2.340	ppbv #	83
22) trans-1,2-Dichloroethene	5.04	96	59518	0.973	ppbv	89
23) Vinyl Acetate	5.22	43	658185	2.173	ppbv #	79
24) 1,1-Dichloroethane	5.17	63	3146028	14.793	ppbv	99
25) Ethyl Acetate	5.86	43	631207	1.751	ppbv #	84
26) Hexane	5.86	57	545415	3.318	ppbv #	61
28) Methyl tert-Butyl Ether	5.19	73	8732	0.034	ppbv #	52
30) Cyclohexane	7.33	84	95132	0.656	ppbv	92
31) cis-1,2-Dichloroethene	5.73	61	30060	0.183	ppbv	98
32) 1,1,1-Trichloroethane	6.71	97	17141328	69.602	ppbv	94
34) 2-Butanone	5.41	43	1667188	6.991	ppbv	100
36) Benzene	7.09	78	189274	0.544	ppbv	96
37) 1,2-Dichloroethane	6.70	62	1440360	7.563	ppbv #	1
39) 1,2-Dichloropropane	7.38	63	944774	6.834	ppbv #	27
41) Tetrahydrofuran	6.24	42	94139	0.705	ppbv	94
42) Bromodichloromethane	8.01	83	8628	0.032	ppbv #	33
43) Methyl Methacrylate	8.22	69	9661	0.072	ppbv #	1
44) 2,2,4-Trimethylpentane	8.08	57	1687893	2.821	ppbv	96
50) 4-Methyl-2-Pentanone	8.96	43	263603	0.639	ppbv	95
51) 2-Hexanone	10.37	43	53622	0.156	ppbv #	40
53) Toluene	10.04	91	2294049	5.578	ppbv	99
58) Ethyl Benzene	12.96	91	680745	1.138	ppbv	97
59) m/p-Xylene	13.21	91	1988844	4.041	ppbv	98
60) o-Xylene	13.94	91	816851	1.682	ppbv	99
61) Styrene	13.78	104	53629	0.147	ppbv	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL071218\
Quantitation Report (Not Reviewed)

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Quant Time: Jul 13 09:37:31 2018
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jul 13 04:25:14 2018
QLast Update : Fri Jul 13 04:25:14 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
64) n-propylbenzene	15.81	120	18754	0.109	ppbv #	1
65) tert-Butylbenzene	17.02	119	48021	0.084	ppbv #	16
66) Benzyl Chloride	17.26	91	13937	0.048	ppbv #	1
69) p-Isopropyltoluene	17.91	119	1612877	2.485	ppbv	100
70) n-Butylbenzene	18.81	91	36394	0.051	ppbv #	10
71) 2-Chlorotoluene	15.27	91	62641	0.117	ppbv	69
72) 4-Ethyltoluene	16.09	105	258440	0.474	ppbv	98
73) 1,3,5-Trimethylbenzene	16.25	105	211313	0.417	ppbv	99
74) 1,2,4-Trimethylbenzene	17.02	105	866073	1.671	ppbv #	70
75) 1,3-Dichlorobenzene	17.26	146	248701	0.805	ppbv #	1
76) 1,4-Dichlorobenzene	17.31	146	9575	0.032	ppbv #	22
79) Naphthalene	22.51	128	18383	0.053	ppbv #	94
80) Naphthalene,2-methyl-	25.20	142	8515	0.077	ppbv #	86

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

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Operator : SY/AP

Sample : J3753-03DUP

Misc : 400ml/MSVOA L

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ALS Vial      : 1      Sample Multiplier: 1
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Instrument :
MSVOA_L
ClientSampleId :
EFFLUENTDUP

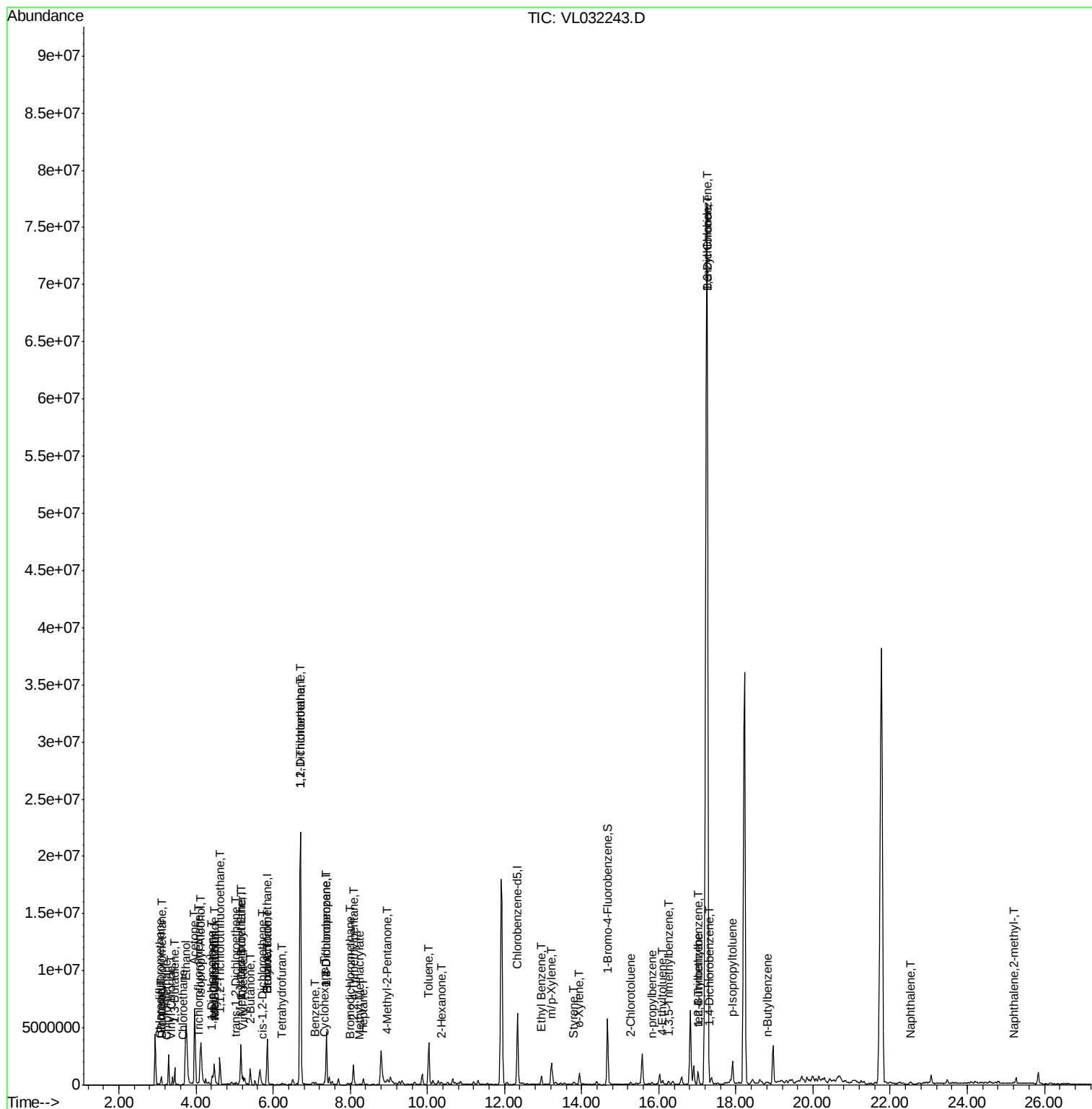
Quant Time: Jul 13 09:37:31 2018

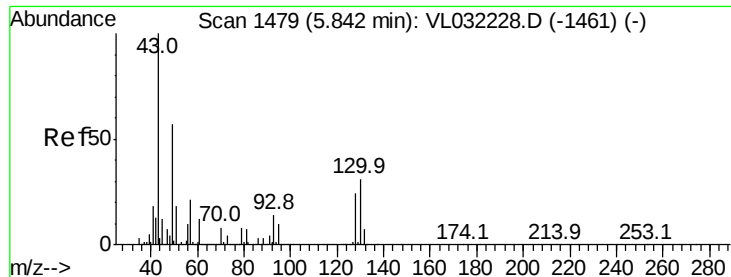
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Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LFri Jul 13 04:25:14 2018

QLast Update : Fri Jul 13 04:25:14 2018

Response via : Initial Calibration

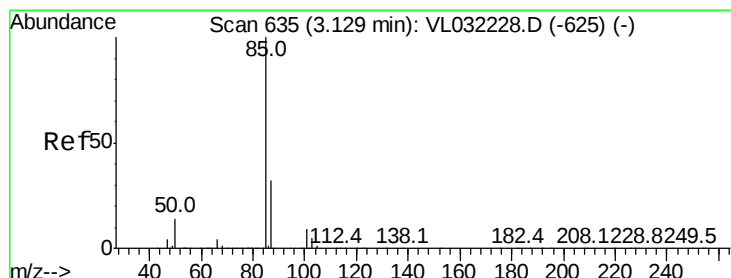
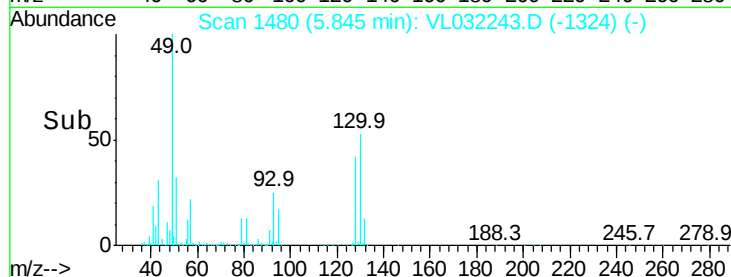
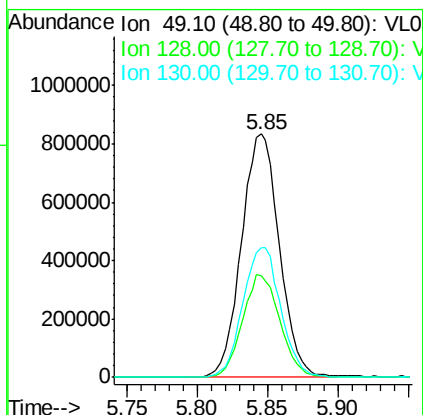
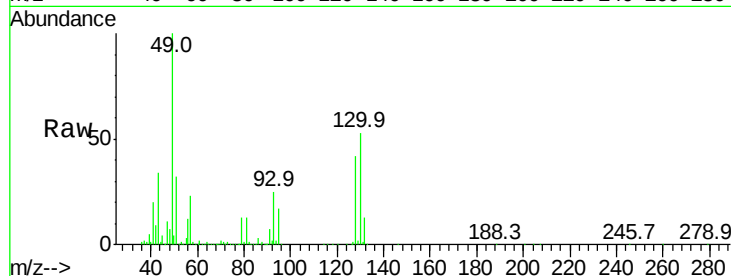




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.85 min Scan# 1480
 Delta R.T. 0.00 min
 Lab File: VL032243.D
 Acq: 13 Jul 2018 8:57

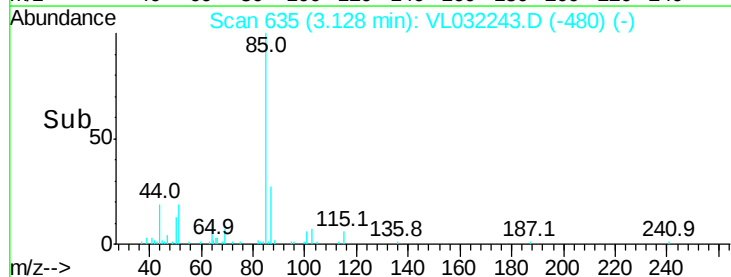
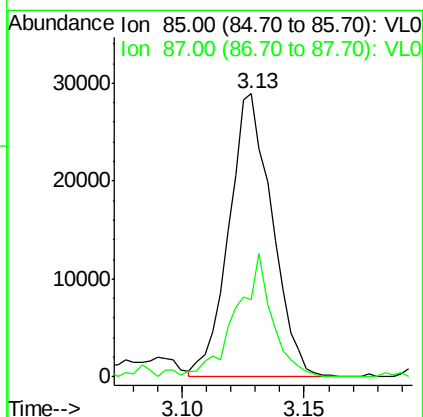
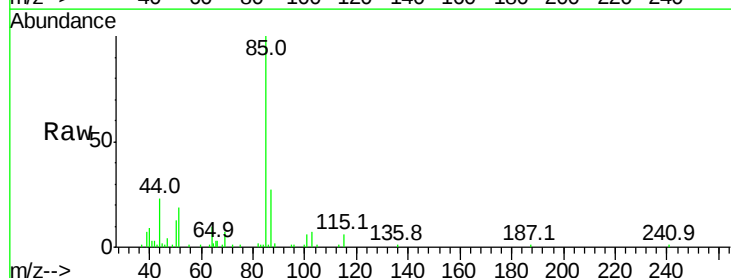
Instrument :
 MSVOA_L
 ClientSampleId :
 EFFLUENTDUP

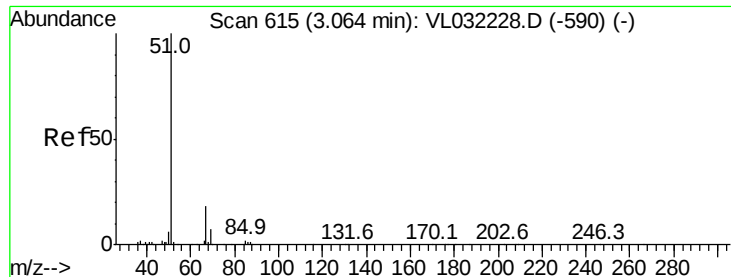
Tgt Ion: 49 Resp: 1569428
 Ion Ratio Lower Upper
 49 100
 128 42.0 20.9 62.8
 130 53.7 27.0 81.0



#2
 Dichlorodifluoromethane
 Concen: 0.158 ppbv
 RT: 3.13 min Scan# 635
 Delta R.T. -0.00 min
 Lab File: VL032243.D
 Acq: 13 Jul 2018 8:57

Tgt Ion: 85 Resp: 35609
 Ion Ratio Lower Upper
 85 100
 87 27.5 25.8 38.6





#3

Chlorodifluoromethane

Concen: 0.726 ppbv

RT: 3.06 min Scan# 615

Delta R.T. -0.00 min

Lab File: VL032243.D

Acq: 13 Jul 2018 8:57

Instrument :

MSVOA_L

ClientSampleId :

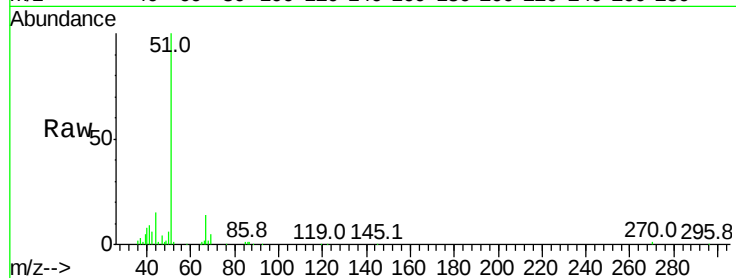
EFFLUENTDUP

Tgt Ion: 51 Resp: 140030

Ion Ratio Lower Upper

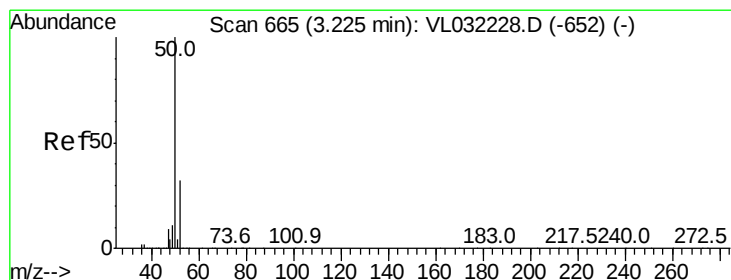
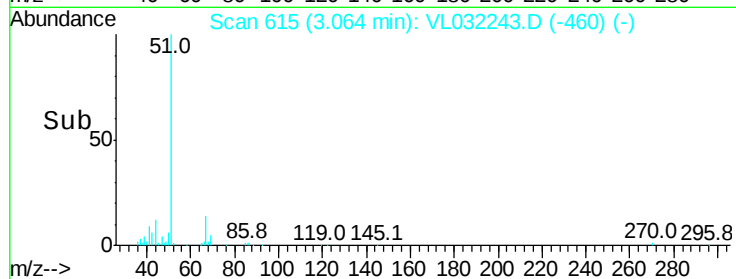
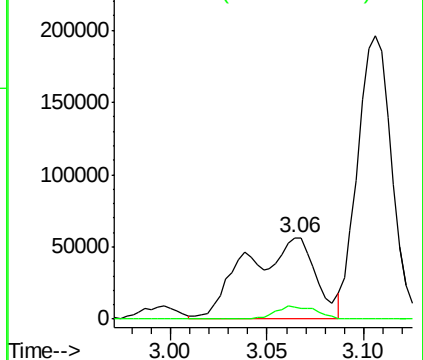
51 100

67 9.5 14.6 22.0#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.350 ppbv

RT: 3.22 min Scan# 664

Delta R.T. -0.00 min

Lab File: VL032243.D

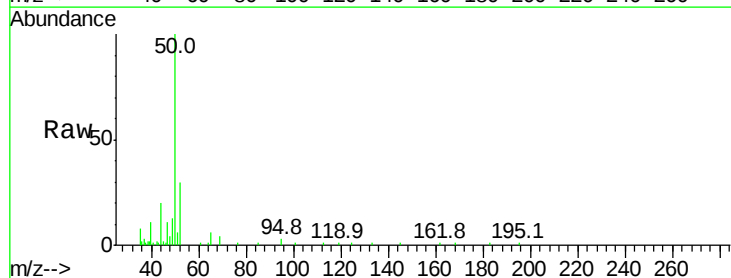
Acq: 13 Jul 2018 8:57

Tgt Ion: 50 Resp: 38364

Ion Ratio Lower Upper

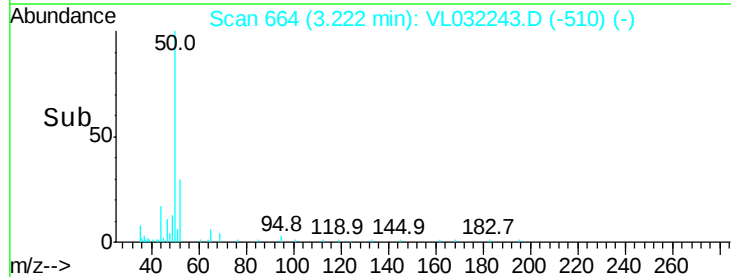
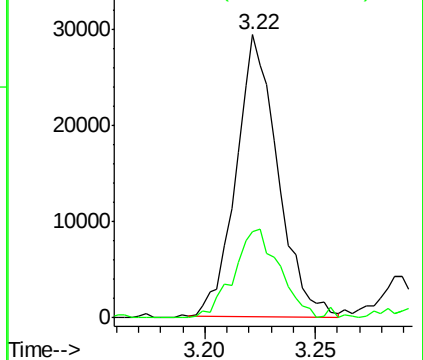
50 100

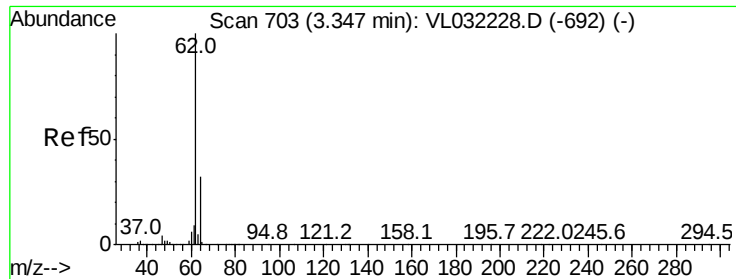
52 30.7 25.7 38.5



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.028 ppbv

RT: 3.35 min Scan# 704

Delta R.T. 0.00 min

Lab File: VL032243.D

Acq: 13 Jul 2018 8:57

Instrument :

MSVOA_L

ClientSampleId :

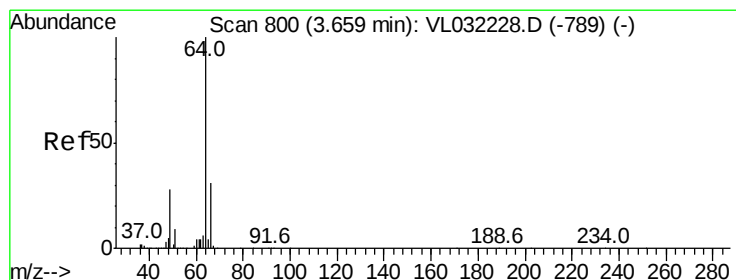
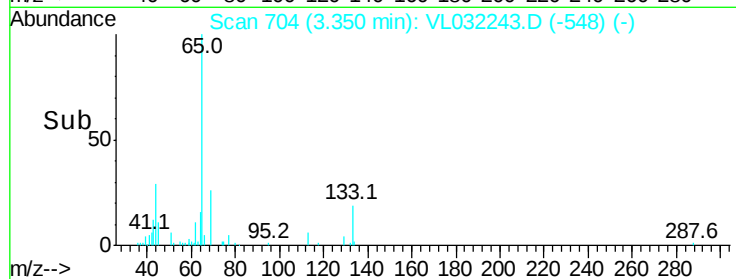
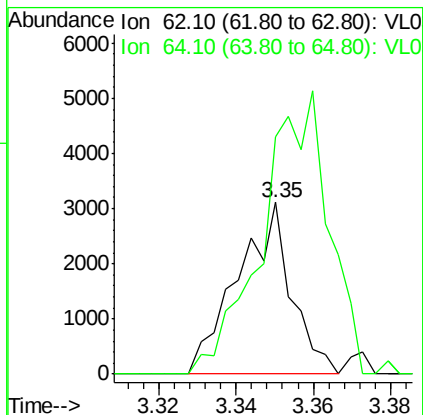
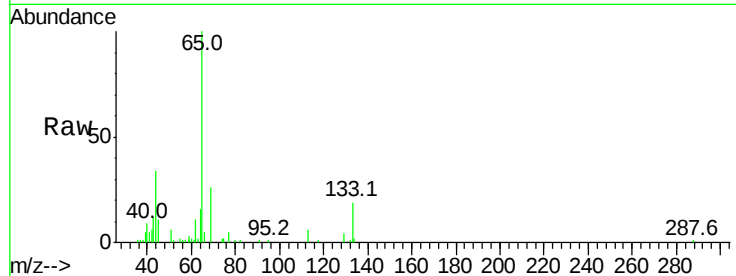
EFFLUENTDUP

Tgt Ion: 62 Resp: 3006

Ion Ratio Lower Upper

62 100

64 138.4 25.8 38.6#



#7

Chloroethane

Concen: 1.357 ppbv

RT: 3.66 min Scan# 800

Delta R.T. -0.00 min

Lab File: VL032243.D

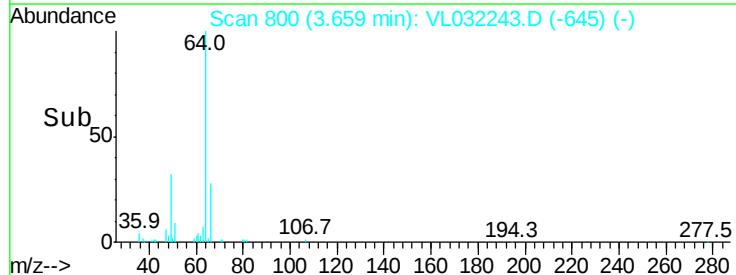
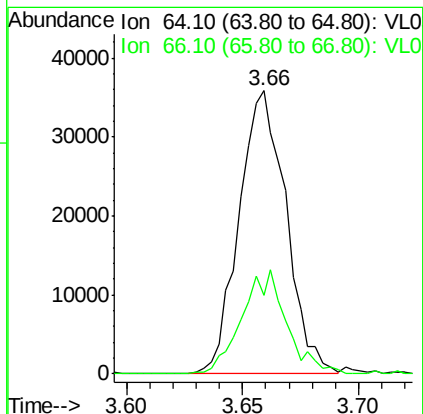
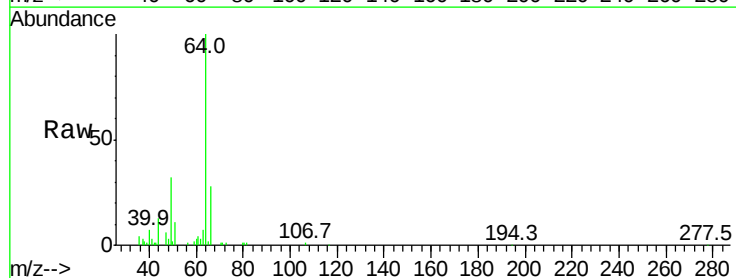
Acq: 13 Jul 2018 8:57

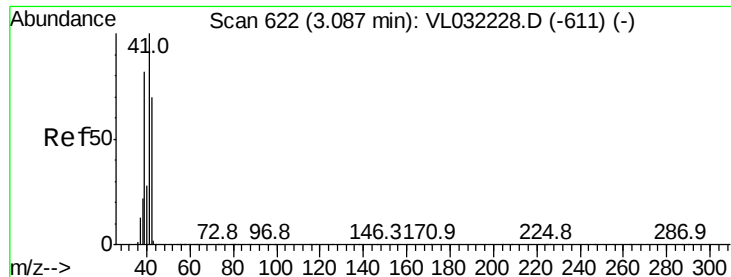
Tgt Ion: 64 Resp: 50525

Ion Ratio Lower Upper

64 100

66 27.9 24.4 36.6





#9

Propene

Concen: 2.307 ppbv

RT: 3.09 min Scan# 622

Delta R.T. -0.00 min

Lab File: VL032243.D

Acq: 13 Jul 2018 8:57

Instrument :

MSVOA_L

ClientSampleId :

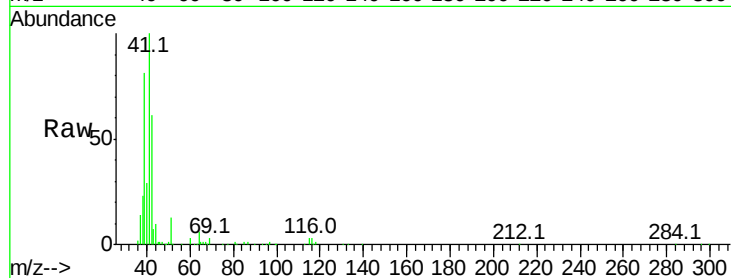
EFFLUENTDUP

Tgt Ion: 41 Resp: 189675

Ion Ratio Lower Upper

41 100

42 66.5 56.2 84.4



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

3.09

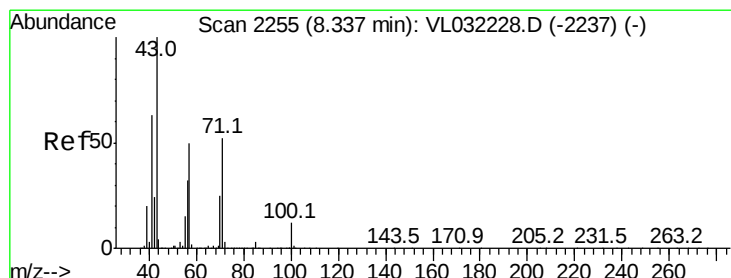
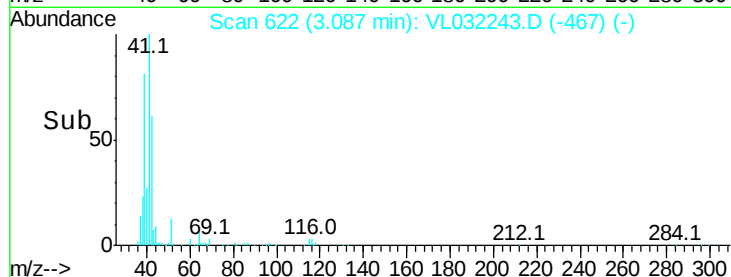
150000

100000

50000

0

Time-->



#10

Heptane

Concen: 1.143 ppbv

RT: 8.34 min Scan# 2255

Delta R.T. -0.00 min

Lab File: VL032243.D

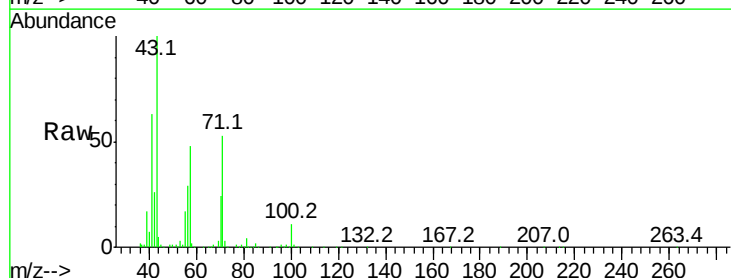
Acq: 13 Jul 2018 8:57

Tgt Ion: 43 Resp: 266801

Ion Ratio Lower Upper

43 100

57 49.5 40.7 61.1



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

8.34

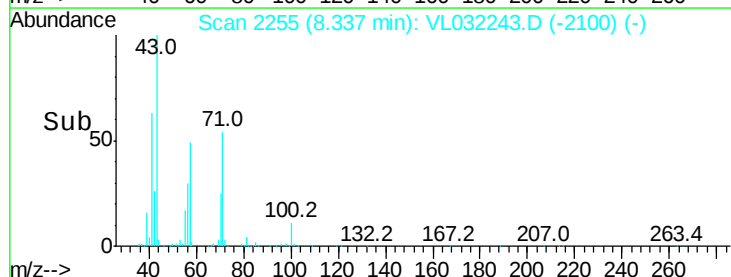
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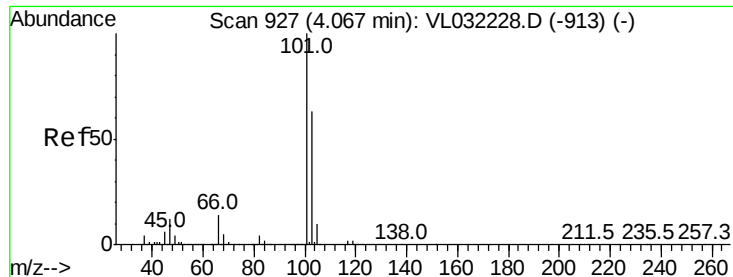
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50000

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Time-->

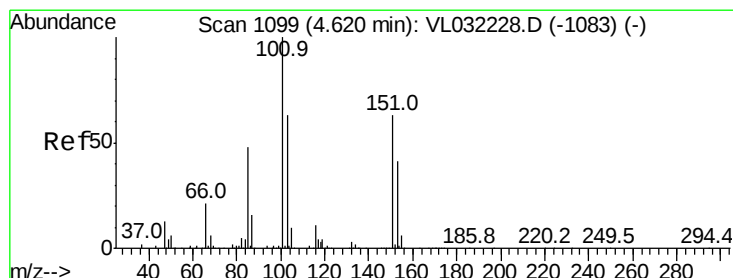
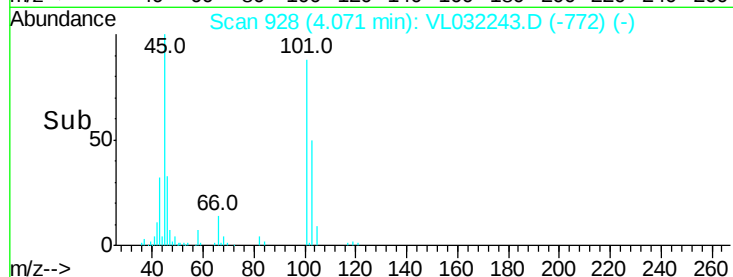
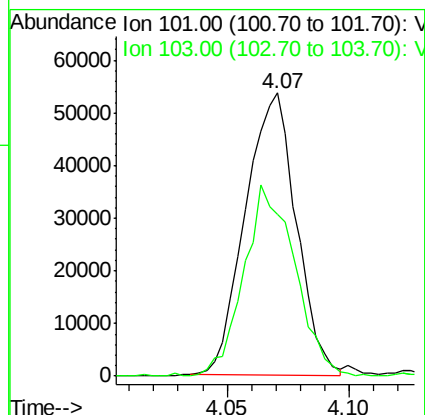
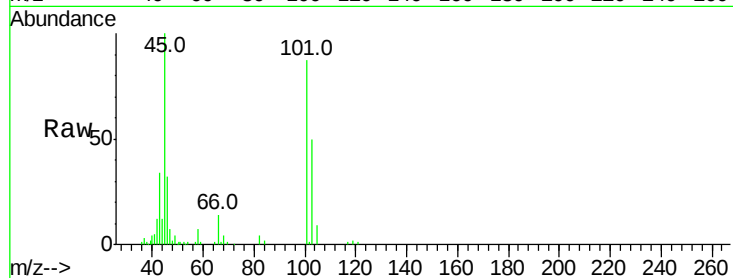




#11
 Trichlorofluoromethane
 Concen: 0.360 ppbv
 RT: 4.07 min Scan# 928
 Delta R.T. 0.00 min
 Lab File: VL032243.D
 Acq: 13 Jul 2018 8:57

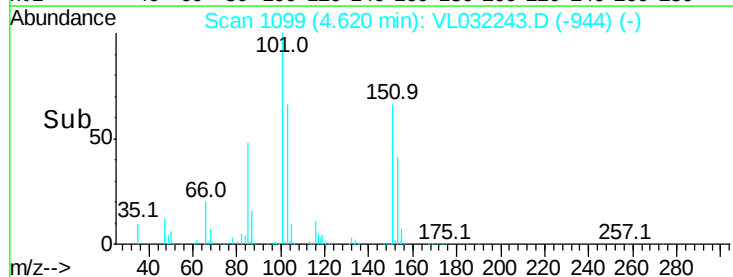
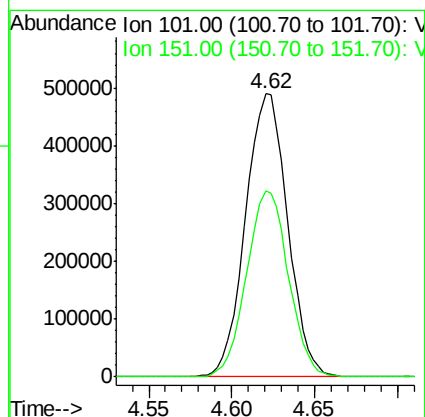
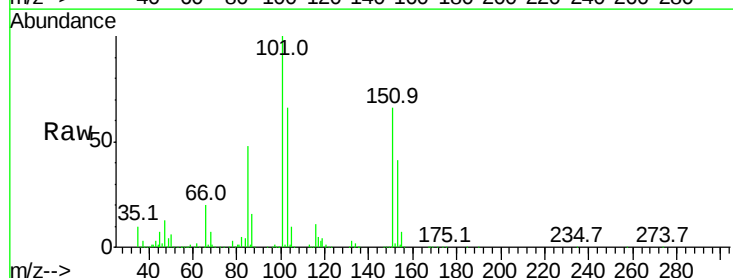
Instrument :
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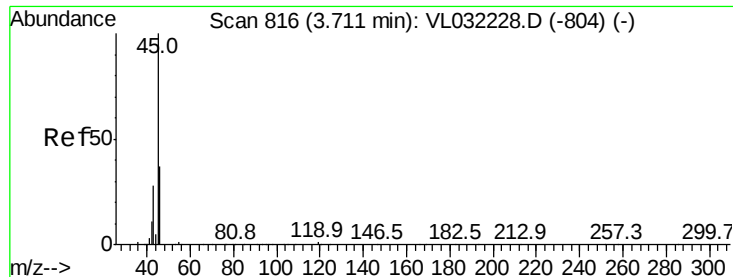
Tgt Ion:101 Resp: 77815
 Ion Ratio Lower Upper
 101 100
 103 57.6 50.2 75.2



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 6.260 ppbv
 RT: 4.62 min Scan# 1099
 Delta R.T. -0.00 min
 Lab File: VL032243.D
 Acq: 13 Jul 2018 8:57

Tgt Ion:101 Resp: 864251
 Ion Ratio Lower Upper
 101 100
 151 65.5 52.2 78.2

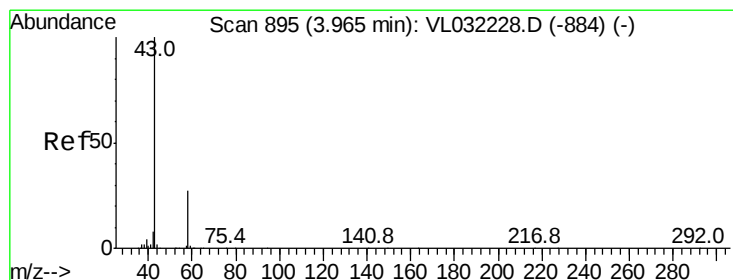
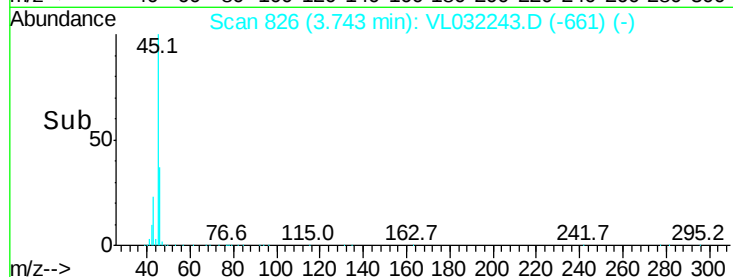
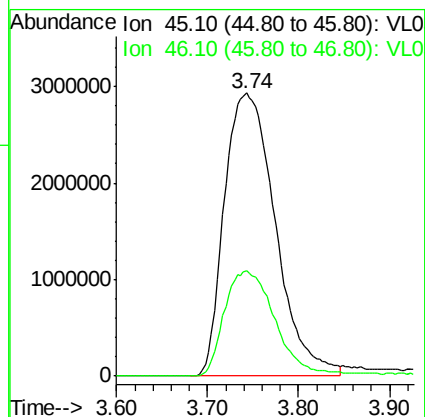
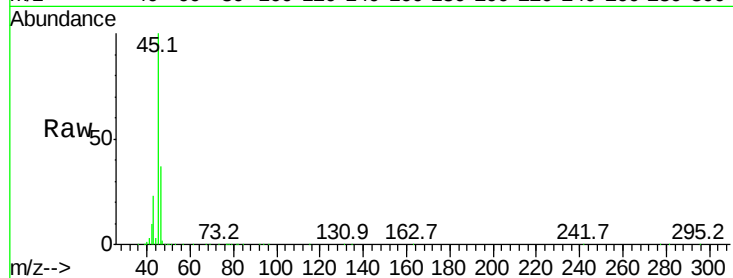




#13
Ethanol
Concen: 480.818 ppbv
RT: 3.74 min Scan# 826
Delta R.T. 0.03 min
Lab File: VL032243.D
Acq: 13 Jul 2018 8:57

Instrument :
MSVOA_L
ClientSampleId :
EFFLUENTDUP

Tgt Ion: 45 Resp: 11410174
Ion Ratio Lower Upper
45 100
46 37.7 15.5 61.9



#15
Acetone
Concen: 43.031 ppbv
RT: 3.96 min Scan# 894
Delta R.T. -0.00 min
Lab File: VL032243.D
Acq: 13 Jul 2018 8:57

Tgt Ion: 43 Resp: 7836808
Ion Ratio Lower Upper
43 100
58 27.3 21.5 32.3

