

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL123019\
 Data File : VL034520.D
 Acq On : 30 Dec 2019 20:30
 Operator : SY/AP
 Sample : K6388-03DUP
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 EFFLUENTDUP

Manual Integrations
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Quant Time: Dec 31 05:39:05 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL123019AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 31 2019

QLast Update : Mon Dec 30 14:58:50 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	867323	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	1765606	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.13	117	1726065	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	1491420	10.35	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.50%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.02	85	28442	0.208	ppbv #	80
3) Chlorodifluoromethane	2.95	51	27003m	0.261	ppbv	
4) Chloromethane	3.11	50	7614m	0.124	ppbv	
5) Vinyl Chloride	3.23	62	2595	0.043	ppbv #	83
7) Chloroethane	3.53	64	77748	3.712	ppbv	95
9) Propene	2.99	41	49648m	1.246	ppbv	
11) Trichlorofluoromethane	3.93	101	47778m	0.302	ppbv	
13) Ethanol	3.59	45	23620m	2.137	ppbv	
15) Acetone	3.83	43	136334	1.077	ppbv	98
18) 1,1-Dichloroethene	4.28	96	75841	1.729	ppbv	94
19) Isopropyl Alcohol	3.96	45	85691m	1.046	ppbv	
20) Methylene Chloride	4.33	84	47163	0.947	ppbv	85
22) trans-1,2-Dichloroethene	4.89	96	6670m	0.150	ppbv	
24) 1,1-Dichloroethane	5.01	63	250905	2.137	ppbv	100
26) Hexane	5.69	57	26269	0.315	ppbv #	43
34) 2-Butanone	5.26	43	15181m	0.120	ppbv	
53) Toluene	9.84	91	44782m	0.265	ppbv	

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

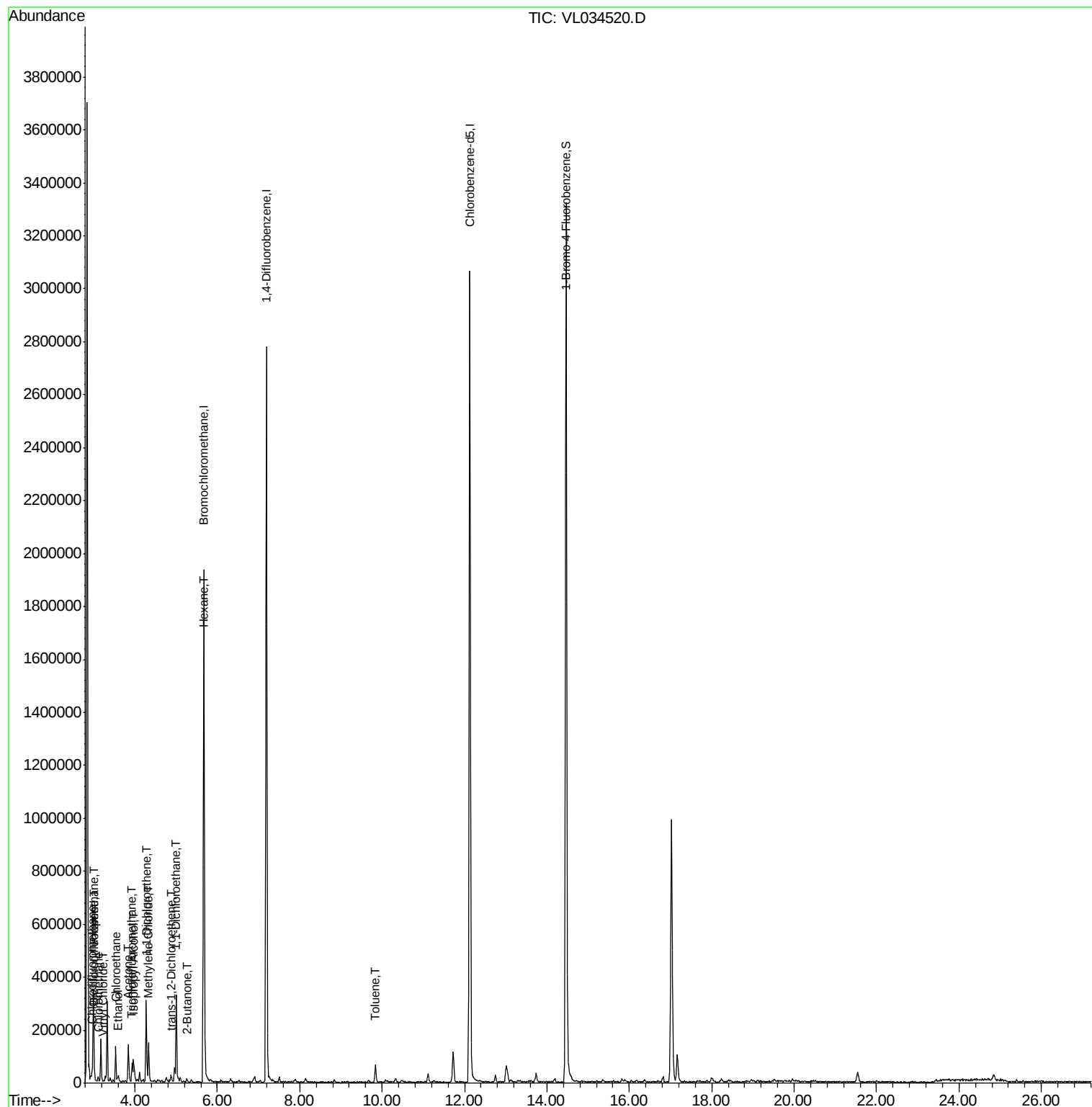
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL123019\
Data File : VL034520.D
Acq On : 30 Dec 2019 20:30
Operator : SY/AP
Sample : K6388-03DUP
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

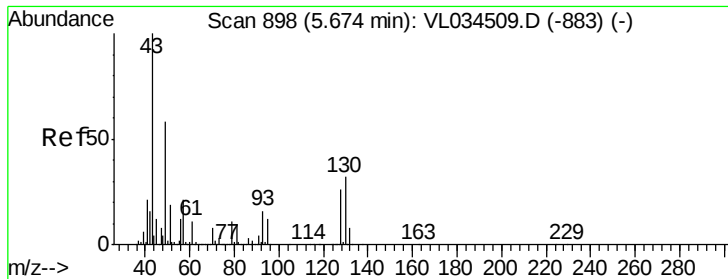
Instrument :
MSVOA_L
ClientSampleId :
EFFLUENTDUP

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Quant Time: Dec 31 05:39:05 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL123019AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec
QLast Update : Mon Dec 30 14:58:50 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 897

Delta R.T. -0.00 min

Lab File: VL034520.D

Acq: 30 Dec 2019 20:30

Instrument :

MSVOA_L

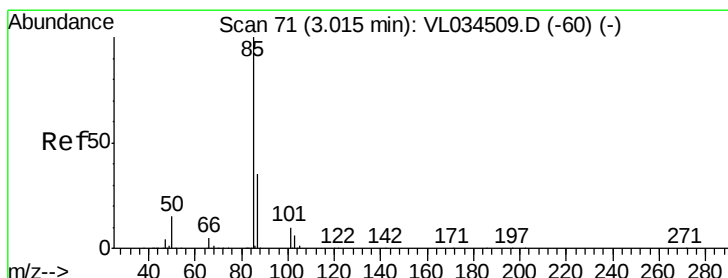
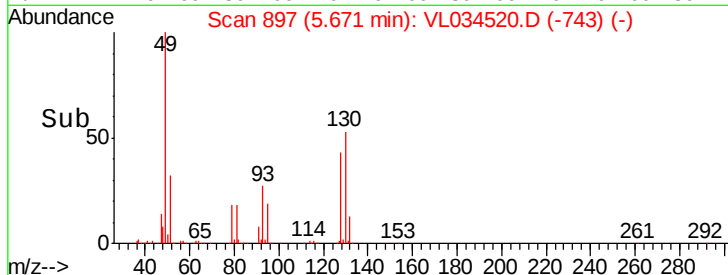
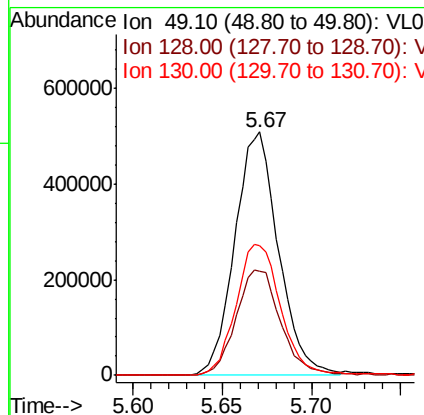
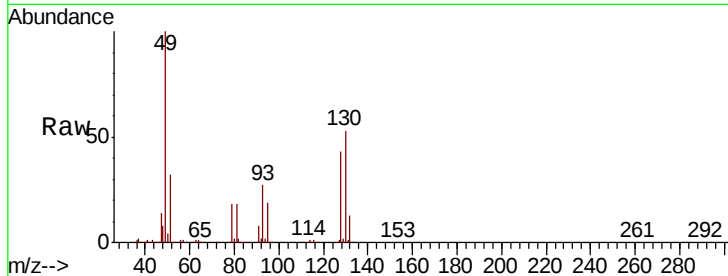
ClientSampleId :

EFFLUENTDUP

Tot Ion:	49	Resp:	867323
Ion	Ratio	Lower	Upper
49	100		
128	45.1	22.4	67.2
130	56.0	28.3	85.0

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#2

Dichlorodifluoromethane

Concen: 0.208 ppbv

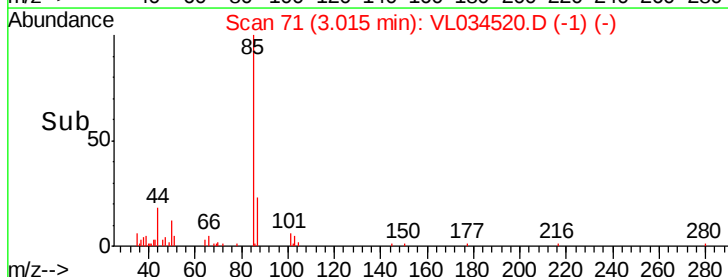
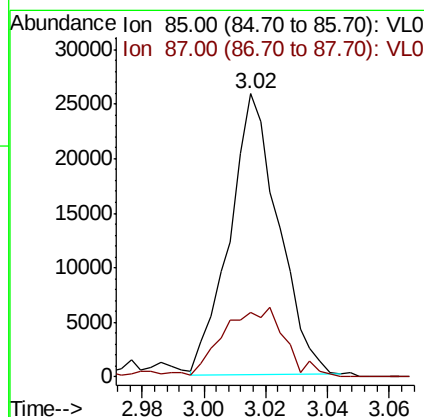
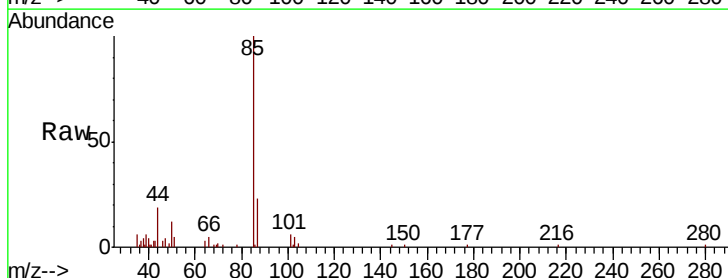
RT: 3.02 min Scan# 71

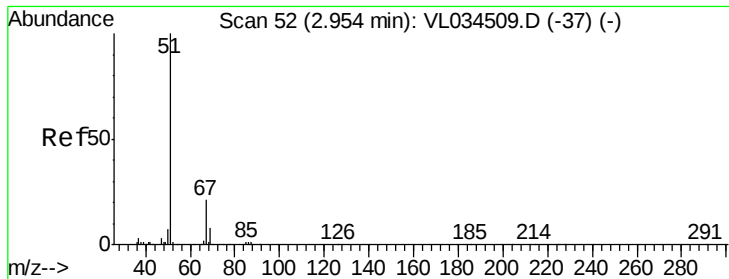
Delta R.T. -0.00 min

Lab File: VL034520.D

Acq: 30 Dec 2019 20:30

Tgt Ion:	85	Resp:	28442
Ion	Ratio	Lower	Upper
85	100		
87	23.2	27.9	41.9#





#3

Chlorodifluoromethane

Concen: 0.261 ppbv m

RT: 2.95 min Scan# 51

Delta R.T. -0.00 min

Lab File: VL034520.D

Acq: 30 Dec 2019 20:30

Instrument :

MSVOA_L

ClientSampleId :

EFFLUENTDUP

Tot Ion: 51 Resp: 27003

Ion Ratio Lower Upper

51 100

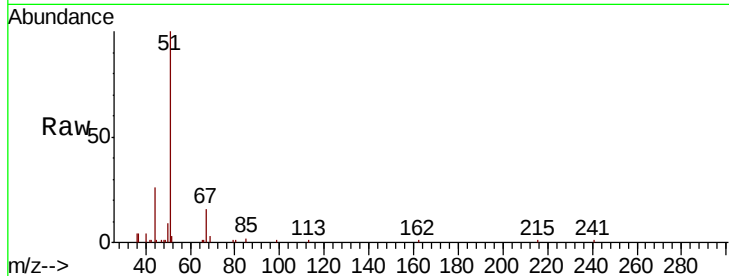
67 23.1 16.8 25.2

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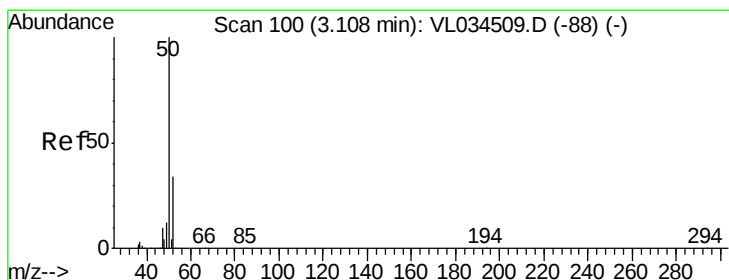
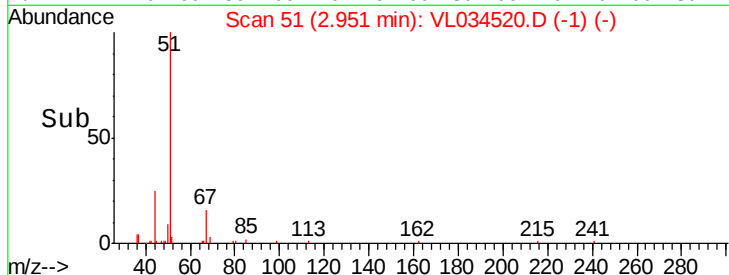
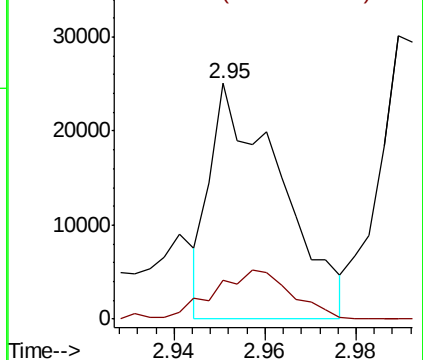
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.124 ppbv m

RT: 3.11 min Scan# 100

Delta R.T. -0.00 min

Lab File: VL034520.D

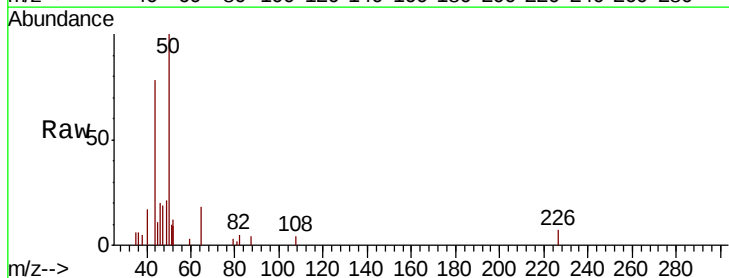
Acq: 30 Dec 2019 20:30

Tgt Ion: 50 Resp: 7614

Ion Ratio Lower Upper

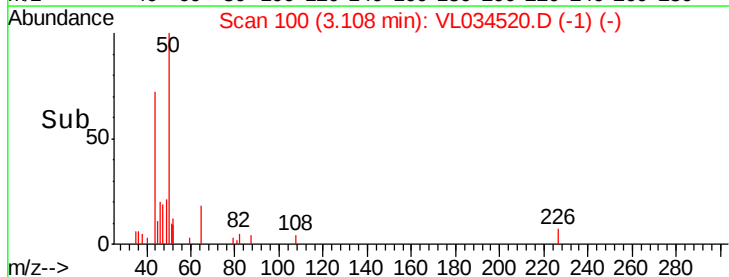
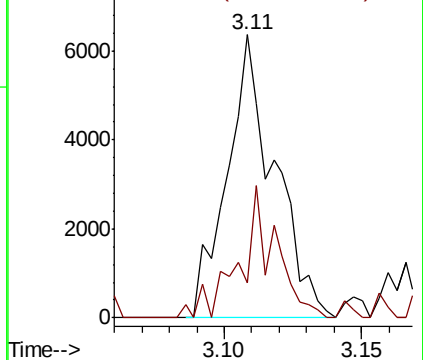
50 100

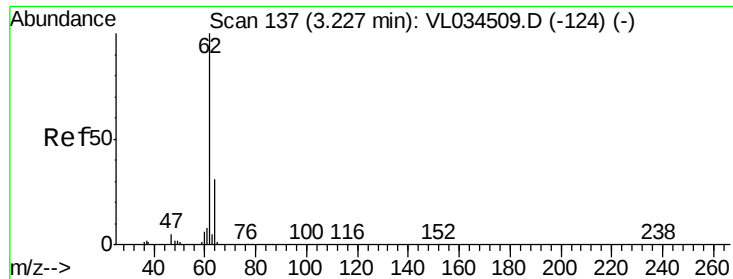
52 12.3 27.6 41.4#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.043 ppbv

RT: 3.23 min Scan# 138

Delta R.T. 0.00 min

Lab File: VL034520.D

Acq: 30 Dec 2019 20:30

Instrument :

MSVOA_L

ClientSampleID :

EFFLUENTDUP

Tot Ion: 62 Resp: 2595

Ion Ratio Lower Upper

62 100

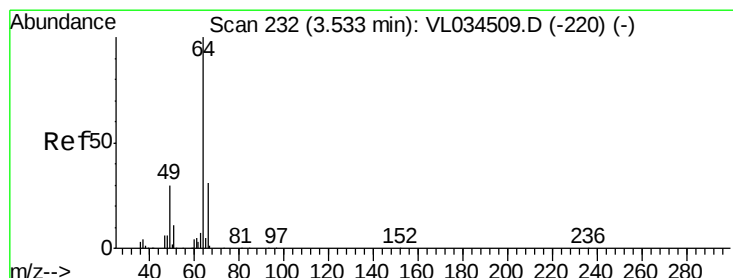
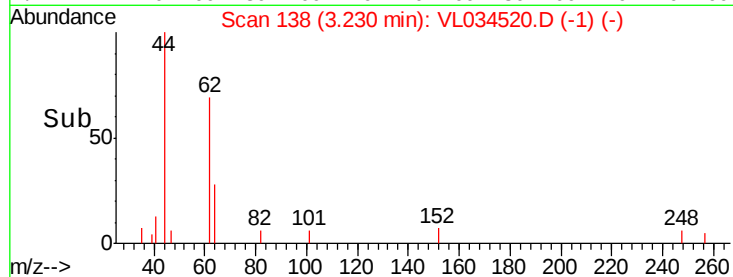
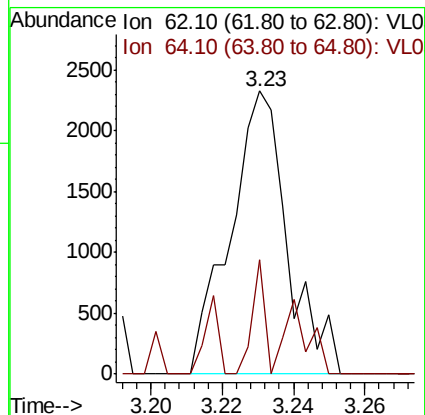
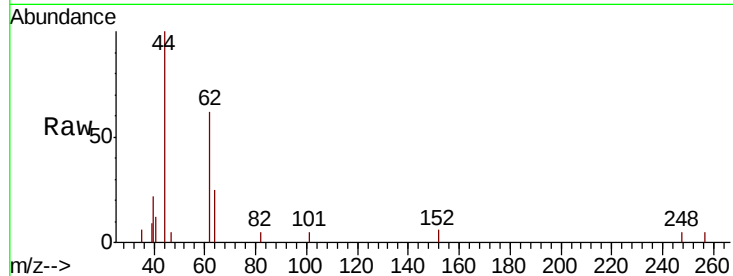
64 40.2 24.9 37.3#

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#7

Chloroethane

Concen: 3.712 ppbv

RT: 3.53 min Scan# 232

Delta R.T. -0.00 min

Lab File: VL034520.D

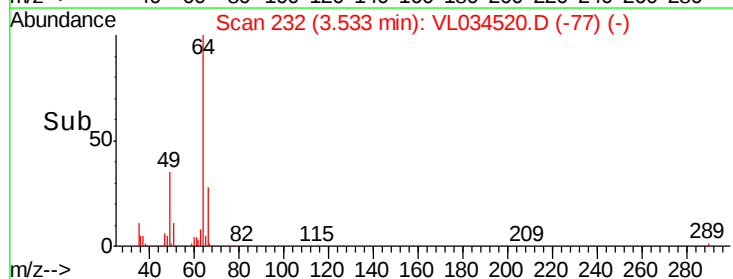
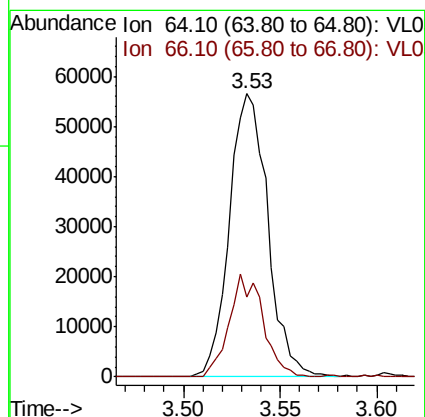
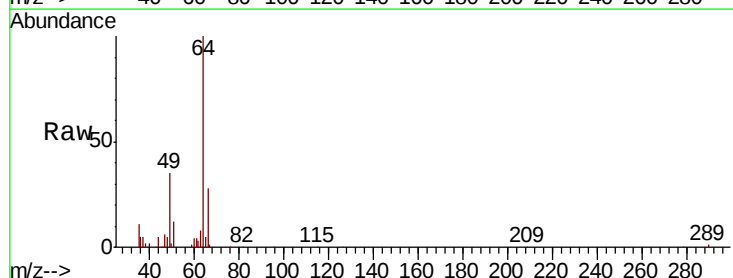
Acq: 30 Dec 2019 20:30

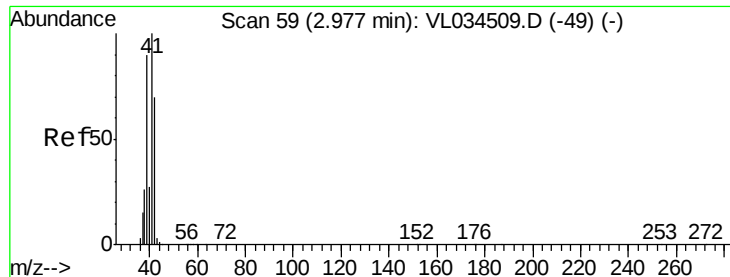
Tgt Ion: 64 Resp: 77748

Ion Ratio Lower Upper

64 100

66 28.2 25.0 37.4





#9

Propene

Concen: 1.246 ppbv m

RT: 2.99 min Scan# 62

Delta R.T. 0.01 min

Lab File: VL034520.D

Acq: 30 Dec 2019 20:30

Instrument :

MSVOA_L

ClientSampleId :

EFFLUENTDUP

Tot Ion: 41 Resp: 49648

Ion Ratio Lower Upper

41 100

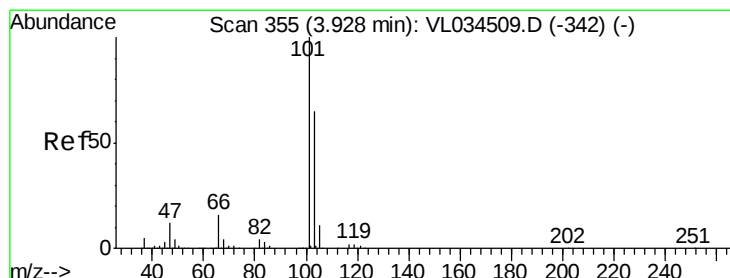
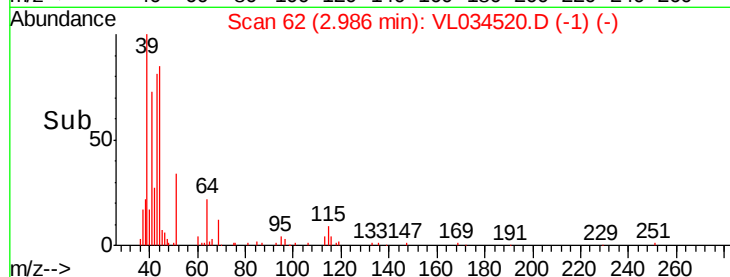
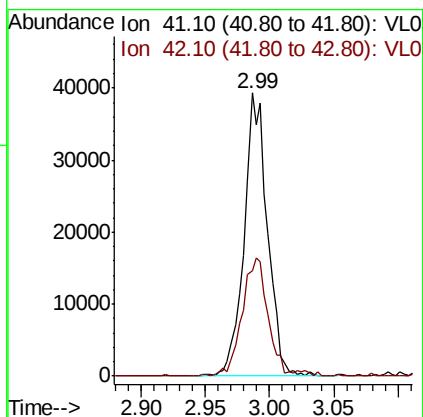
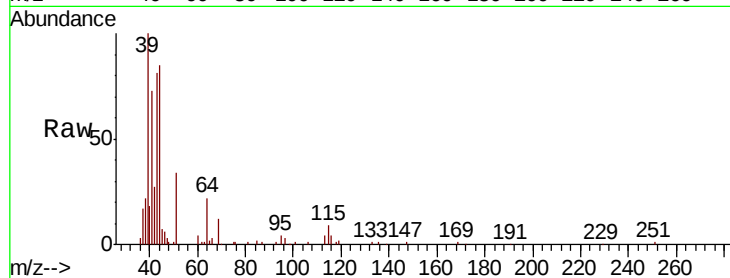
42 52.4 55.8 83.6#

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#11

Trichlorofluoromethane

Concen: 0.302 ppbv m

RT: 3.93 min Scan# 355

Delta R.T. -0.00 min

Lab File: VL034520.D

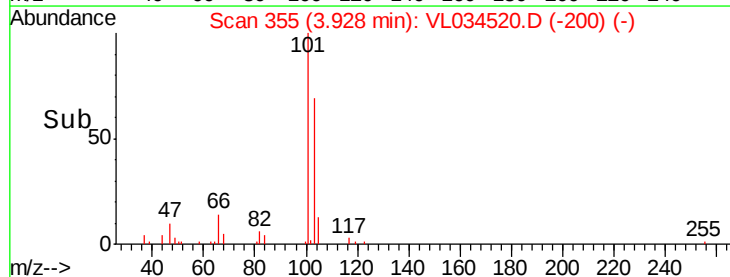
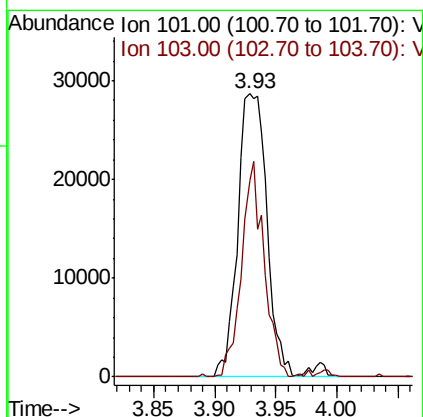
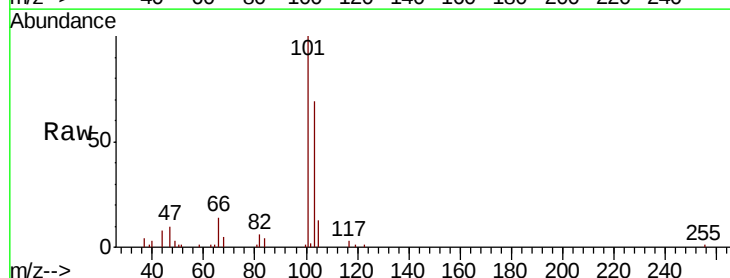
Acq: 30 Dec 2019 20:30

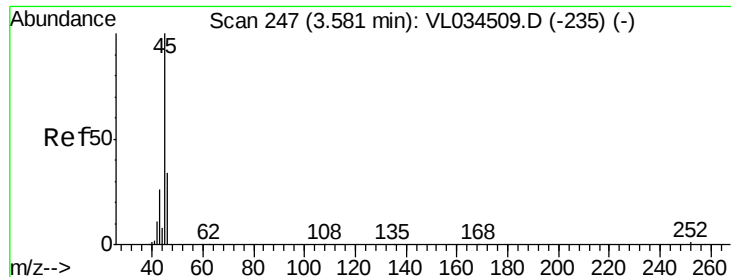
Tgt Ion: 101 Resp: 47778

Ion Ratio Lower Upper

101 100

103 69.4 52.1 78.1





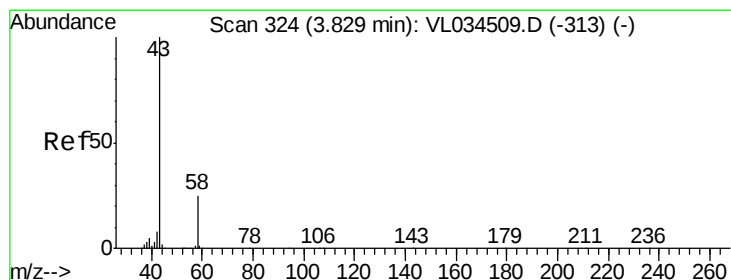
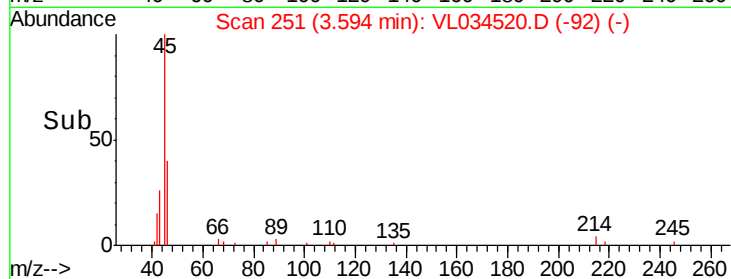
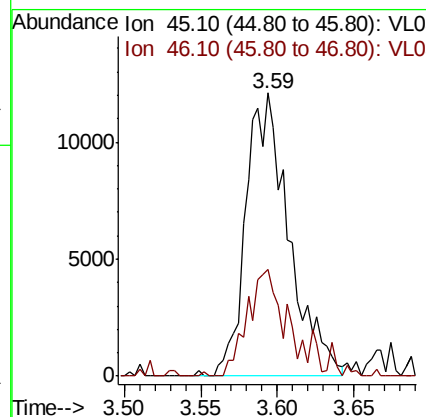
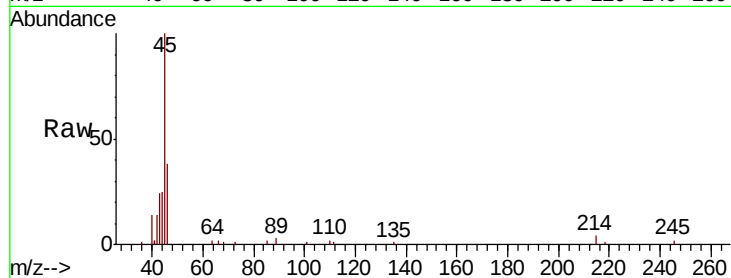
#13
Ethanol
Concen: 2.137 ppbv m
RT: 3.59 min Scan# 251
Delta R.T. 0.01 min
Lab File: VL034520.D
Acq: 30 Dec 2019 20:30

Instrument :
MSVOA_L
ClientSampleId :
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Tot Ion: 45 Resp: 23620
Ion Ratio Lower Upper
45 100
46 0.0 14.9 59.7#

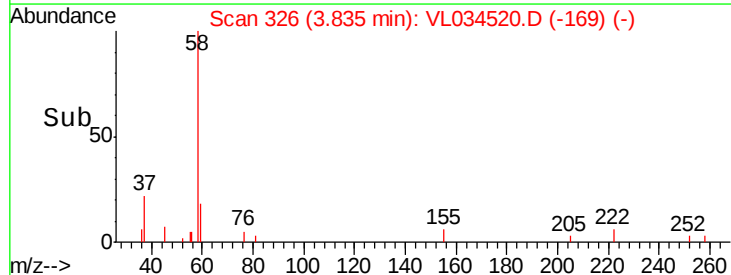
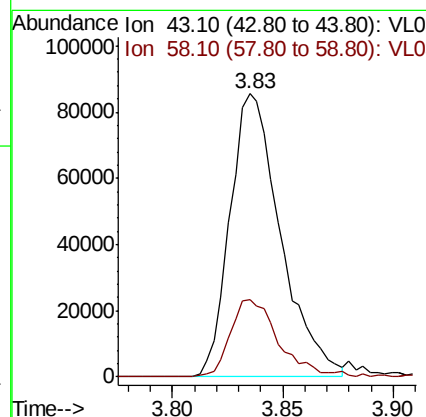
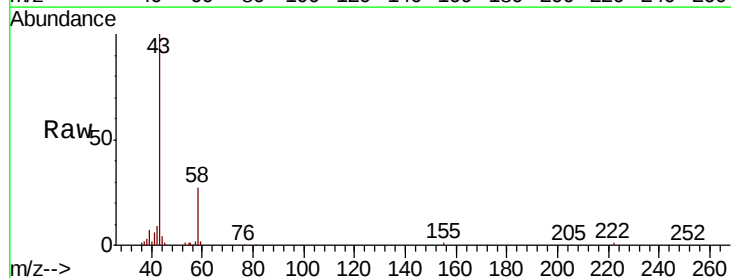
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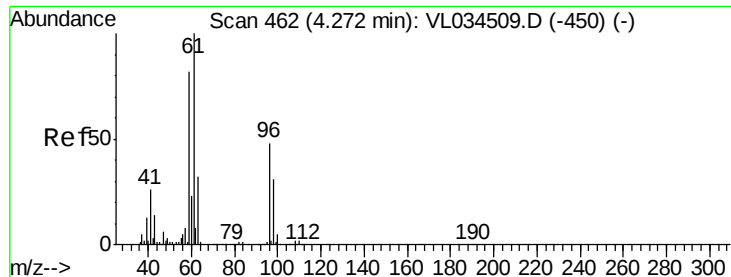
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#15
Acetone
Concen: 1.077 ppbv
RT: 3.83 min Scan# 326
Delta R.T. 0.01 min
Lab File: VL034520.D
Acq: 30 Dec 2019 20:30

Tgt Ion: 43 Resp: 136334
Ion Ratio Lower Upper
43 100
58 26.6 20.4 30.6





#18

1,1-Dichloroethene

Concen: 1.729 ppbv

RT: 4.28 min Scan# 463

Delta R.T. 0.00 min

Lab File: VL034520.D

Acq: 30 Dec 2019 20:30

Instrument :

MSVOA_L

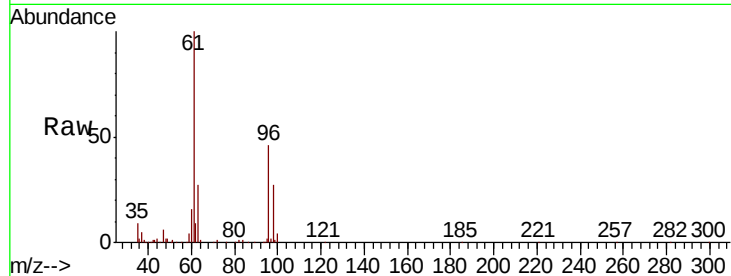
ClientSampleId :

EFFLUENTDUP

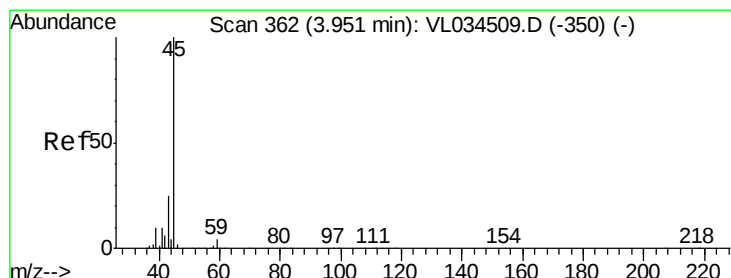
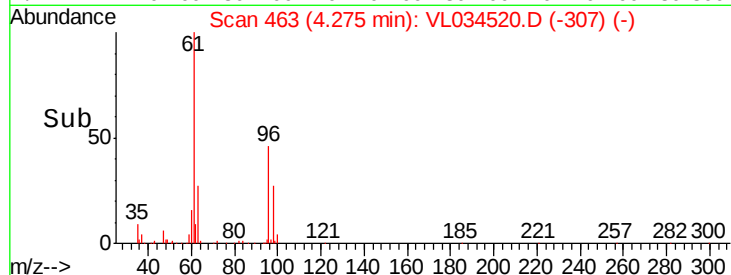
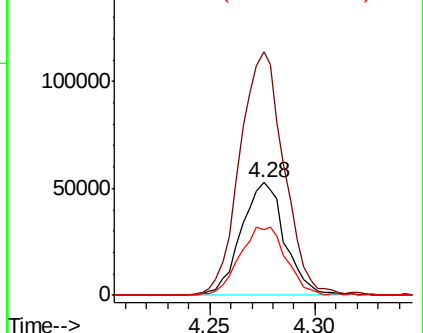
Tot Ion:	96	Resp:	75841
Ion	Ratio	Lower	Upper
96	100		
61	215.4	165.9	248.9
98	57.7	51.9	77.9

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Abundance Ion 96.00 (95.70 to 96.70): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 98.00 (97.70 to 98.70): VL0



#19

Isopropyl Alcohol

Concen: 1.046 ppbv m

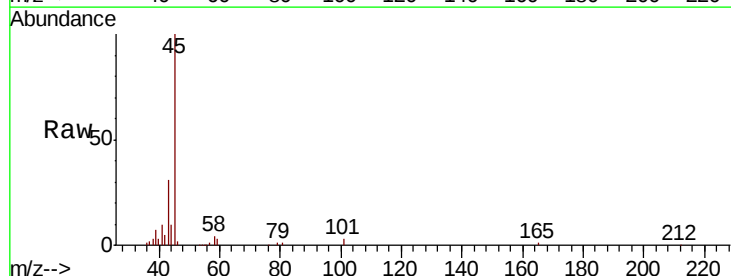
RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

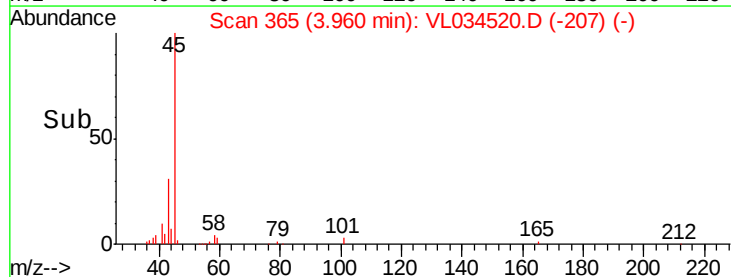
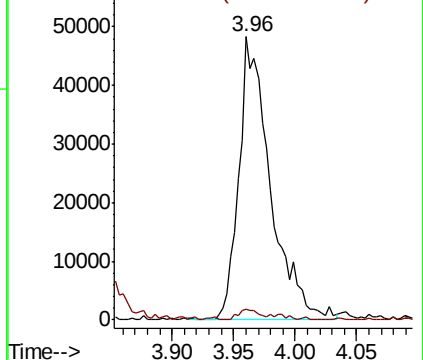
Lab File: VL034520.D

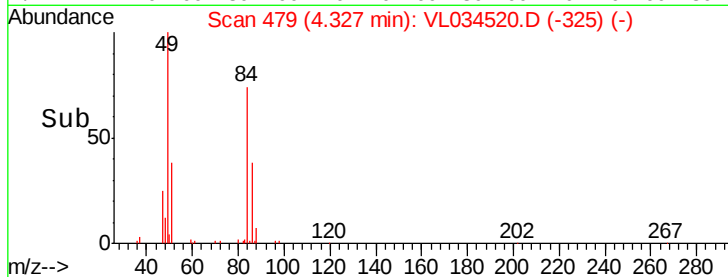
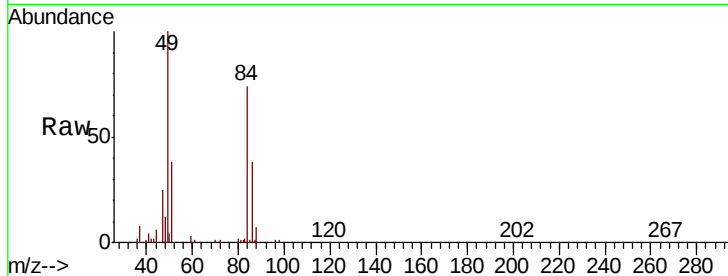
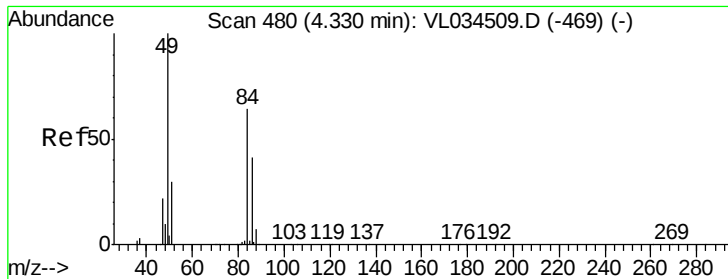
Acq: 30 Dec 2019 20:30

Tgt Ion:	45	Resp:	85691
Ion	Ratio	Lower	Upper
45	100		
58	4.0	1.4	2.0#



Abundance Ion 45.10 (44.80 to 45.80): VL0
Ion 58.10 (57.80 to 58.80): VL0





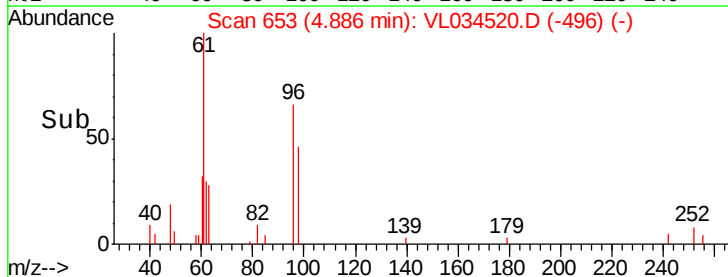
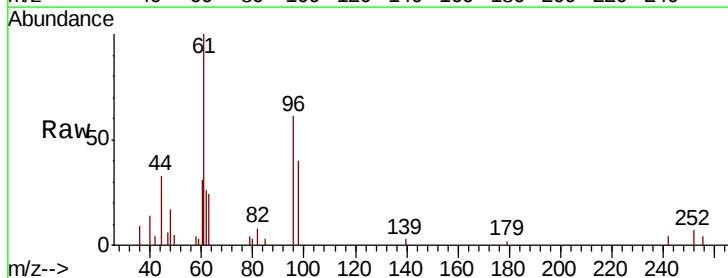
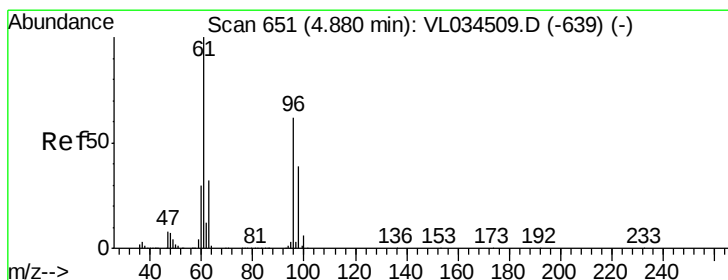
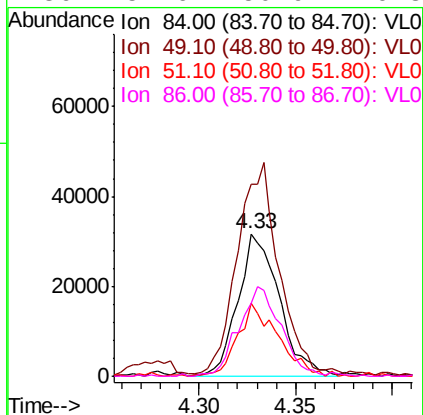
#20
Methvlene Chloride
Concen: 0.947 ppbv
RT: 4.33 min Scan# 479
Delta R.T. -0.00 min
Lab File: VL034520.D
Acq: 30 Dec 2019 20:30

Tot Ion:	84	Resp:	47163
Ion	Ratio	Lower	Upper
84	100		
49	132.7	124.4	186.6
51	51.0	37.0	55.6
86	51.6	50.9	76.3

Instrument :
MSVOA_L
ClientSampleId :
EFFLUENTDUP

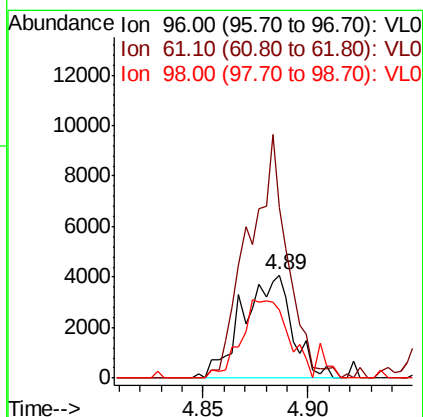
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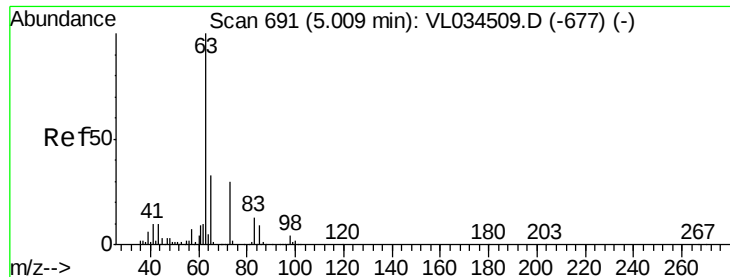
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#22
trans-1,2-Dichloroethene
Concen: 0.150 ppbv m
RT: 4.89 min Scan# 653
Delta R.T. 0.01 min
Lab File: VL034520.D
Acq: 30 Dec 2019 20:30

Tgt Ion:	96	Resp:	6670
Ion	Ratio	Lower	Upper
96	100		
61	164.8	128.4	192.6
98	66.0	50.6	75.8





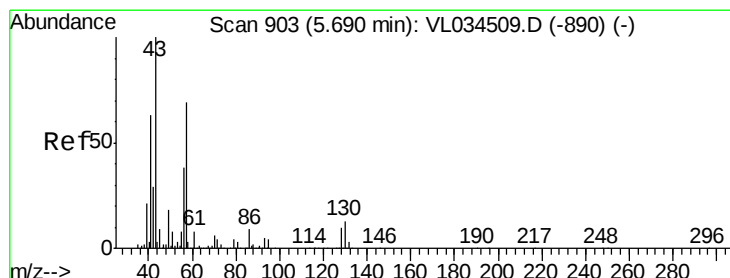
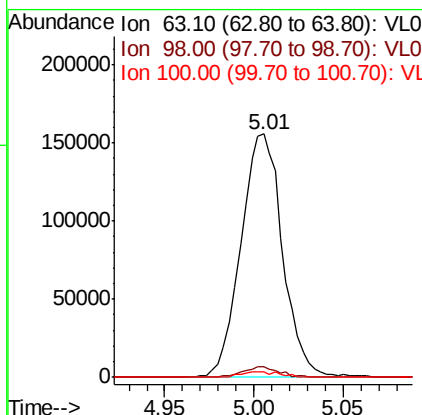
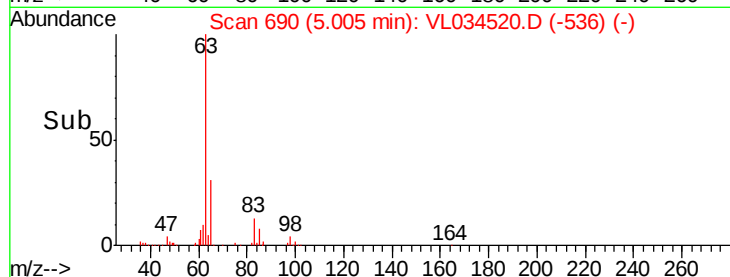
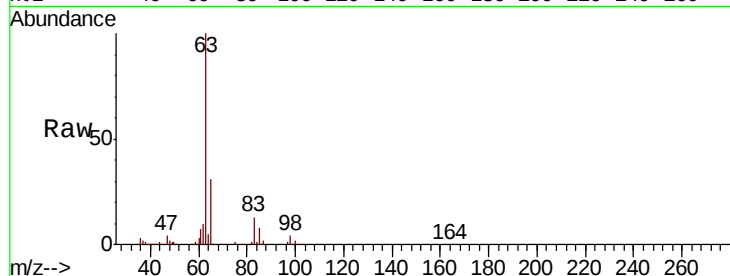
#24
 1,1-Dichloroethane
 Concen: 2.137 ppbv
 RT: 5.01 min Scan# 690
 Delta R.T. -0.00 min
 Lab File: VL034520.D
 Acq: 30 Dec 2019 20:30

Instrument :
 MSVOA_L
 ClientSampleId :
 EFFLUENTDUP

Tot Ion	Ratio	Resp	Lower	Upper
63	100	250905		
98	4.4		2.1	6.3
100	2.2		1.1	3.3

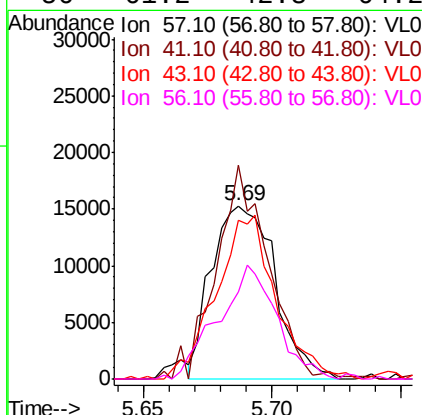
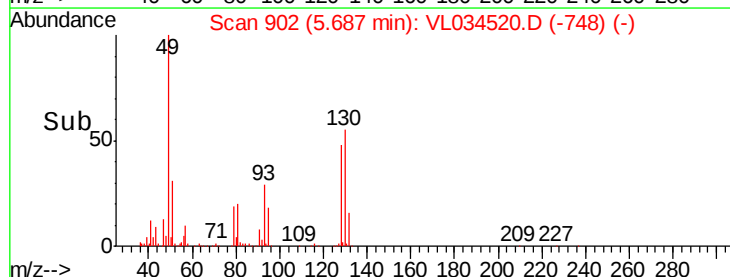
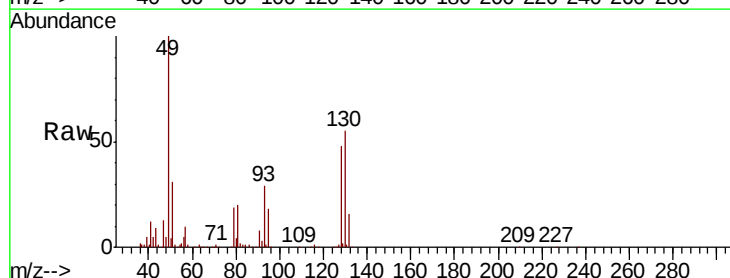
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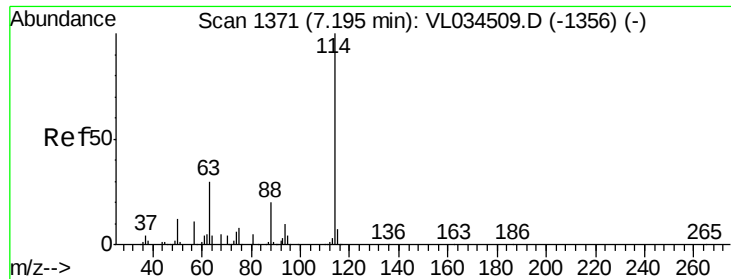
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#26
 Hexane
 Concen: 0.315 ppbv
 RT: 5.69 min Scan# 902
 Delta R.T. -0.00 min
 Lab File: VL034520.D
 Acq: 30 Dec 2019 20:30

Tgt Ion	Ratio	Resp	Lower	Upper
57	100	26269		
41	102.2		75.3	112.9
43	89.6		189.4	284.2
56	61.2		42.8	64.2





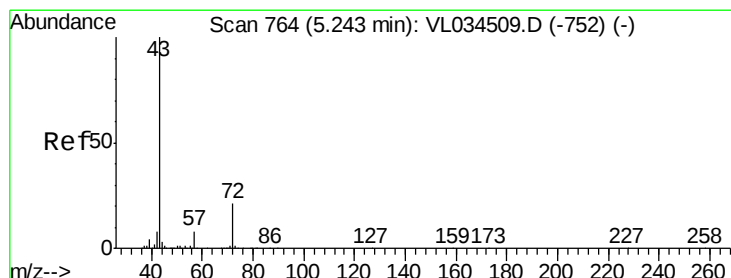
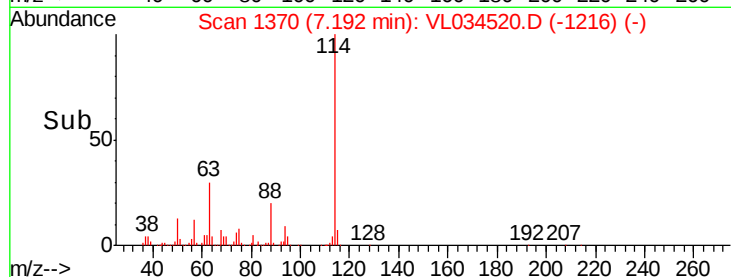
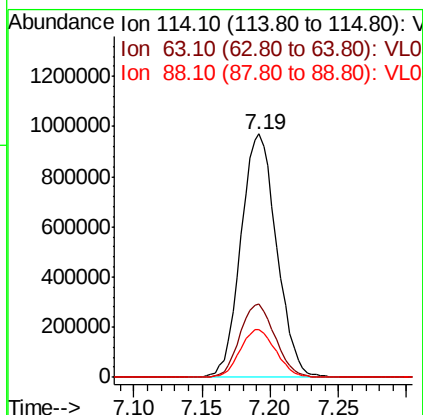
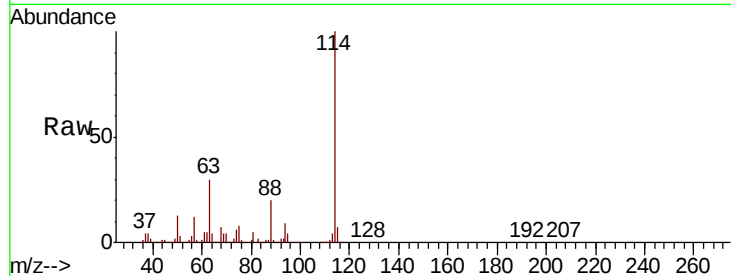
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1370
 Delta R.T. -0.00 min
 Lab File: VL034520.D
 Acq: 30 Dec 2019 20:30

Instrument :
 MSVOA_L
 ClientSampleId :
 EFFLUENTDUP

Tot Ion	Ratio	Lower	Upper
114	100		
63	29.9	24.1	36.1
88	19.6	15.7	23.5

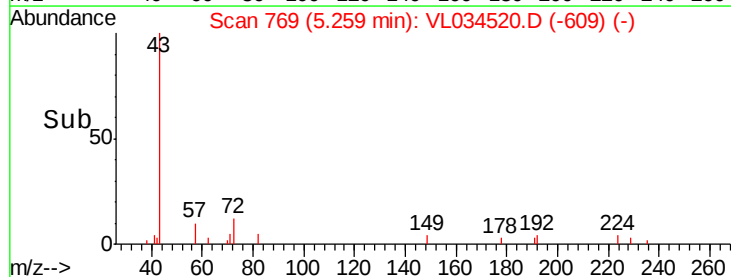
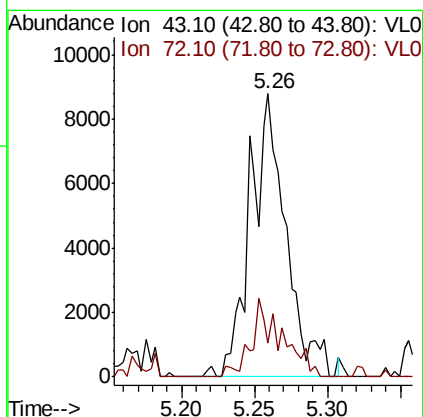
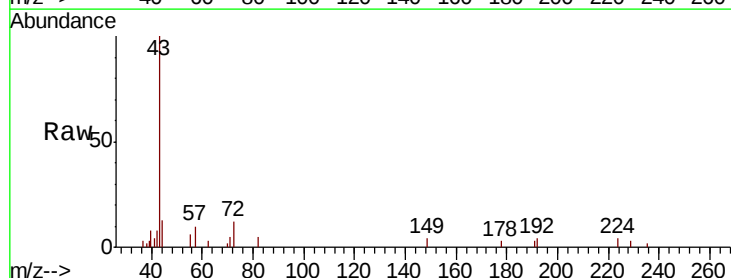
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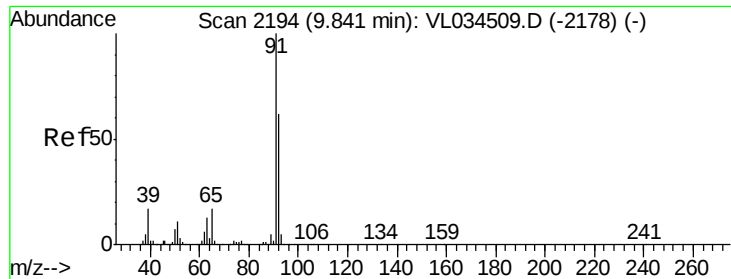
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#34
 2-Butanone
 Concen: 0.120 ppbv m
 RT: 5.26 min Scan# 769
 Delta R.T. 0.02 min
 Lab File: VL034520.D
 Acq: 30 Dec 2019 20:30

Tgt Ion	Ratio	Lower	Upper
43	100		
72	0.0	17.0	25.4#





#53

Toluene

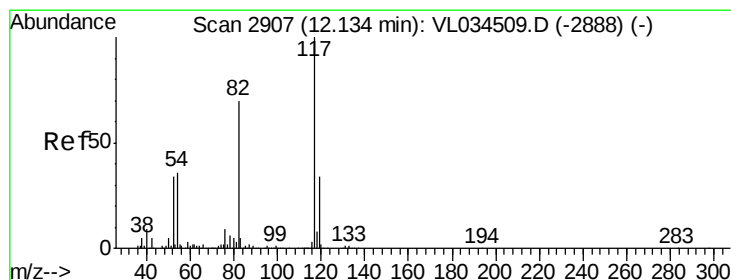
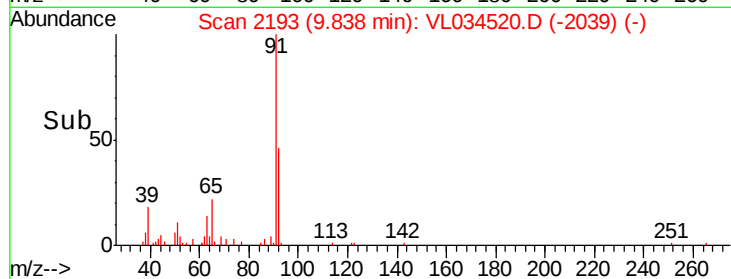
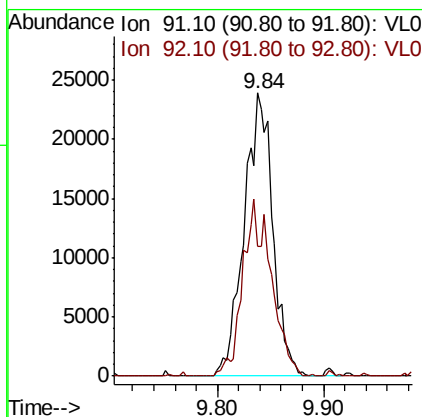
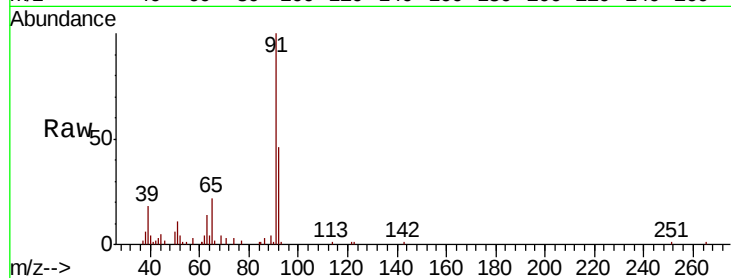
Concen: 0.265 ppbv m
RT: 9.84 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VL034520.D
Acq: 30 Dec 2019 20:30

Instrument :
MSVOA_L
ClientSampleId :
EFFLUENTDUP

Tot Ion	91.10 (90.80 to 91.80): VL0	Resp	44782
Ion Ratio	Lower	Upper	
91	100		
92	61.9	48.4	72.6

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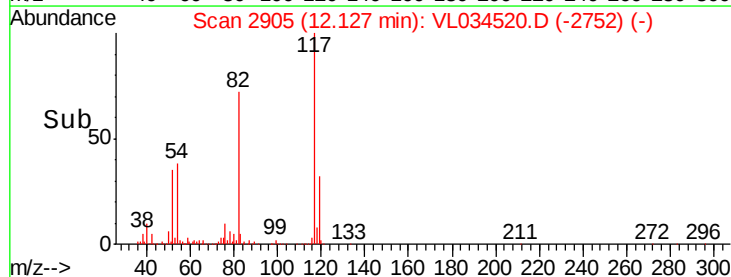
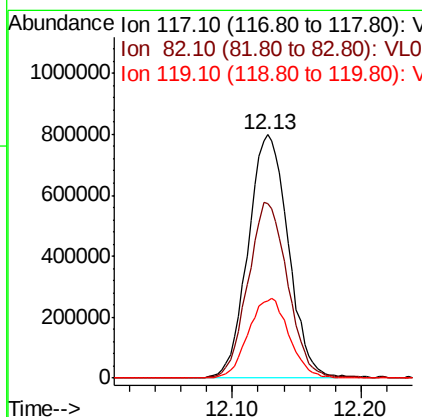
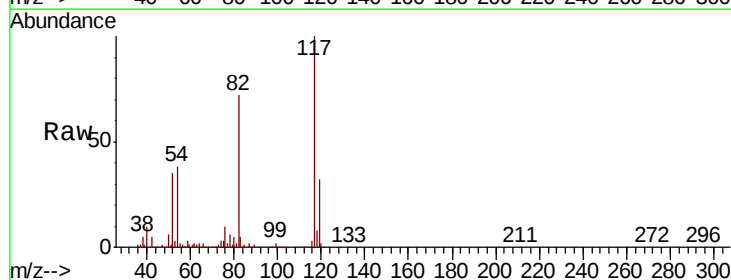


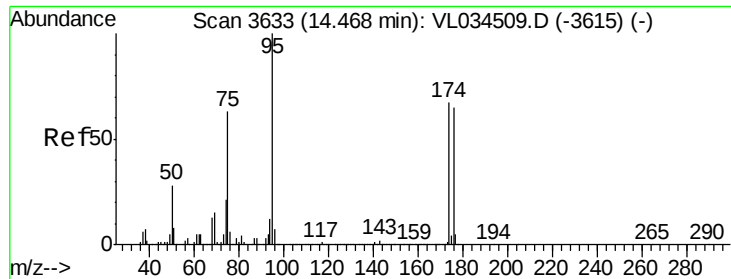
#55

Chlorobenzene-d5

Concen: 10.000 ppbv
RT: 12.13 min Scan# 2905
Delta R.T. -0.01 min
Lab File: VL034520.D
Acq: 30 Dec 2019 20:30

Tgt Ion	117.10 (116.80 to 117.80): V	Resp	1726065
Ion Ratio	Lower	Upper	
117	100		
82	72.2	56.2	84.4
119	33.3	27.1	40.7





#68

1-Bromo-4-Fluorobenzene

Concen: 10.355 ppbv

RT: 14.46 min Scan# 3632

Delta R.T. -0.00 min

Lab File: VL034520.D

Acq: 30 Dec 2019 20:30

Instrument :

MSVOA_L

ClientSampleId :

EFFLUENTDUP

Tot Ion: 95 Resp: 1491420

Ion Ratio Lower Upper

95 100

174 64.6 52.4 78.6

175 4.7 3.9 5.9

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