

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL123019\
 Data File : VL034521.D
 Acq On : 30 Dec 2019 21:09
 Operator : SY/AP
 Sample : K6388-03DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 EFFLUENTDL

Manual Integrations
 APPROVED

apatel
 1/2/2020 10:49:28 AM

Quant Time: Dec 31 05:41:46 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 05:41:46 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	993293	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	1957971	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.13	117	1945948	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	1631026	10.04	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
7) Chloroethane	3.53	64	7670m	0.320	ppbv	
9) Propene	3.00	41	8595m	0.188	ppbv	
13) Ethanol	3.60	45	4229m	0.334	ppbv	
15) Acetone	3.85	43	36678	0.253	ppbv	92
18) 1,1-Dichloroethene	4.28	96	6583m	0.131	ppbv	
19) Isopropyl Alcohol	3.98	45	10614m	0.113	ppbv	
20) Methylene Chloride	4.33	84	15450	0.271	ppbv	87
24) 1,1-Dichloroethane	5.00	63	23065m	0.172	ppbv	

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

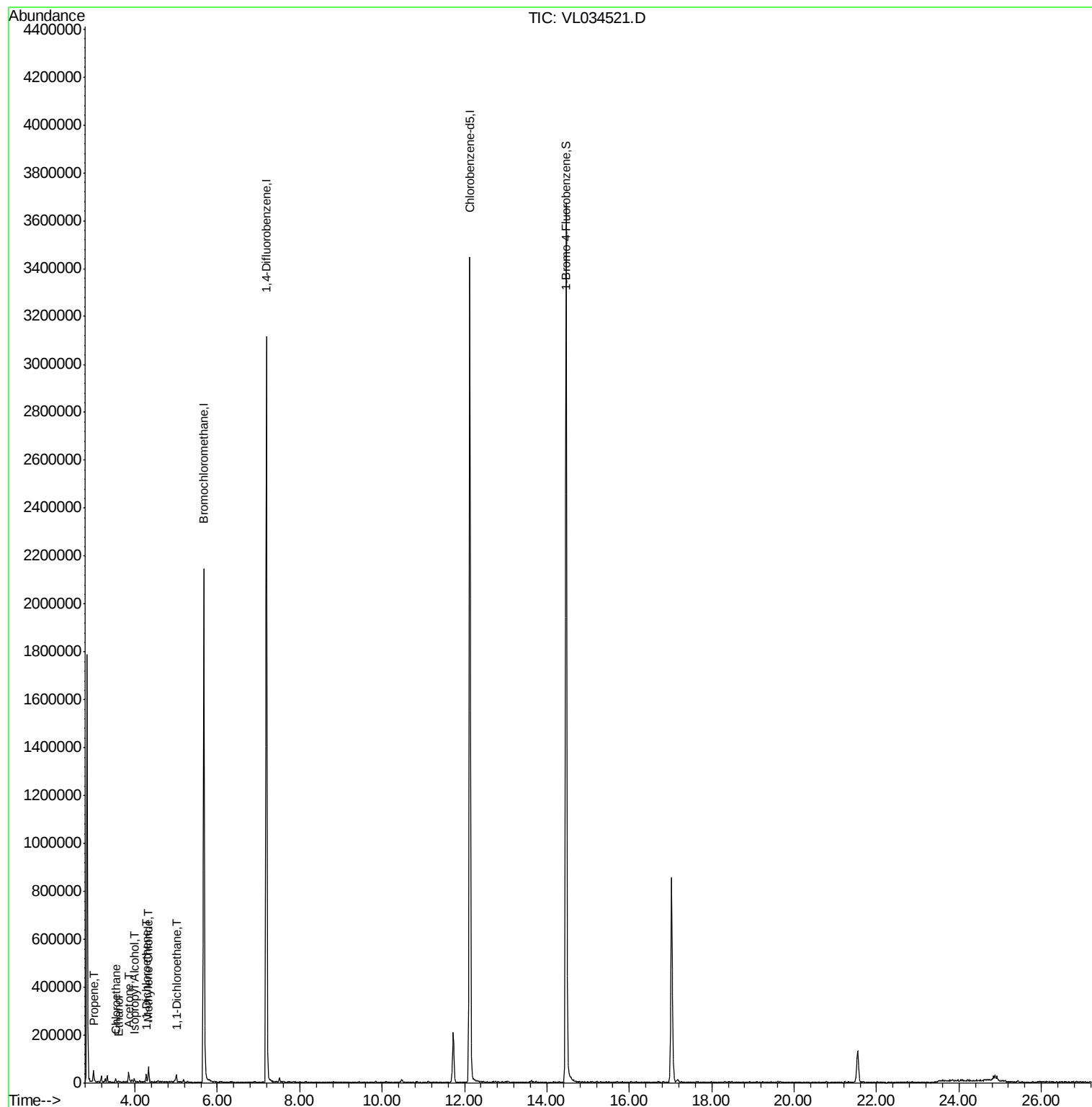
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL123019\
Data File : VL034521.D
Acq On : 30 Dec 2019 21:09
Operator : SY/AP
Sample : K6388-03DL 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

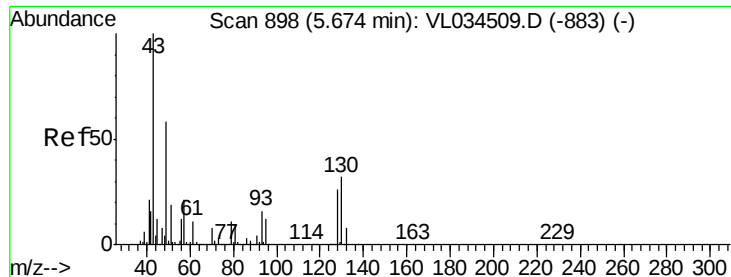
Instrument :
MSVOA_L
ClientSampleId :
EFFLUENTDL

Manual Integrations
APPROVED

apatel
1/2/2020 10:49:28 AM

Quant Time: Dec 31 05:41:46 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# 896

Delta R.T. -0.01 min

Lab File: VL034521.D

Acq: 30 Dec 2019 21:09

Instrument :

MSVOA_L

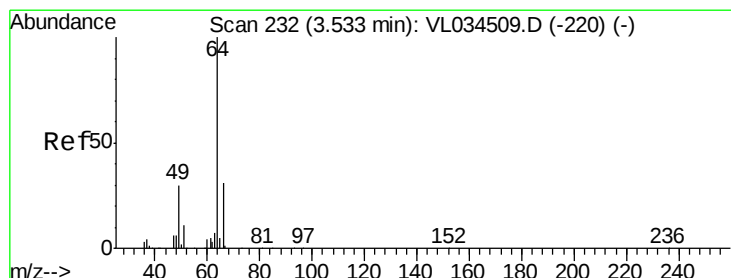
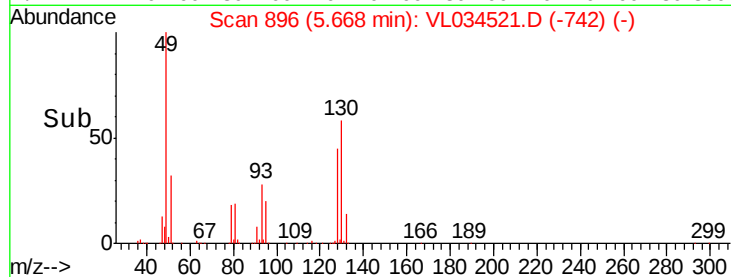
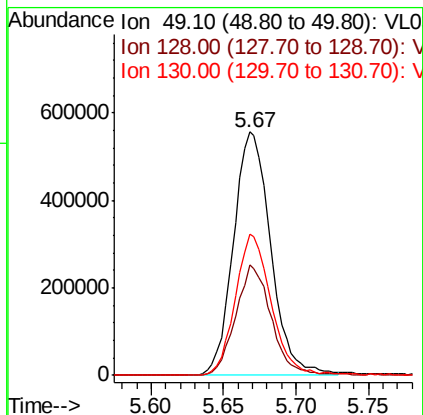
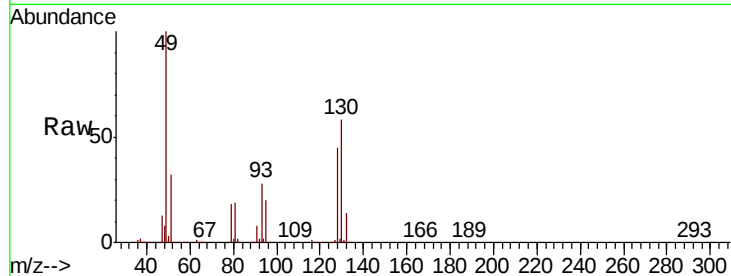
ClientSampleId :

EFFLUENTDL

Tot Ion:	49	Resp:	993293
Ion	Ratio	Lower	Upper
49	100		
128	43.4	22.4	67.2
130	56.8	28.3	85.0

Manual Integrations
APPROVED

apatel
1/2/2020 10:49:28 AM



#7

Chloroethane

Concen: 0.320 ppbv m

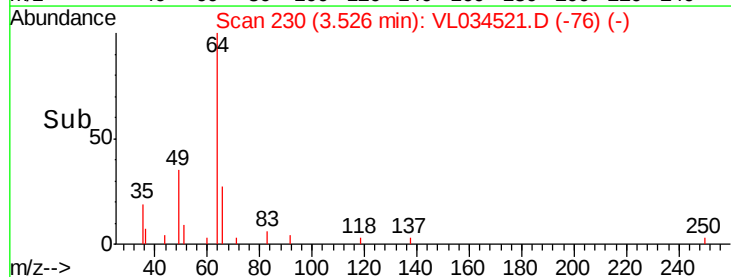
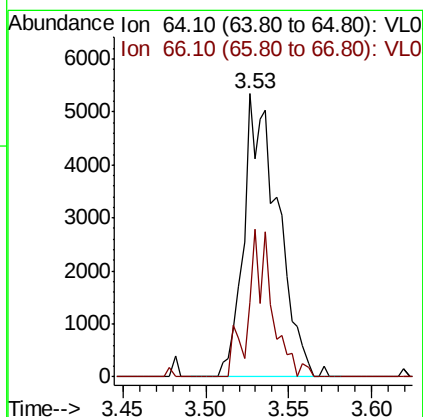
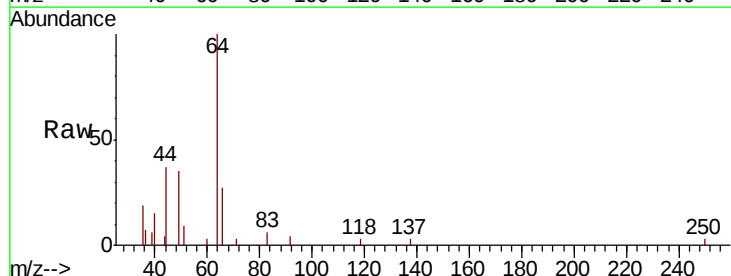
RT: 3.53 min Scan# 230

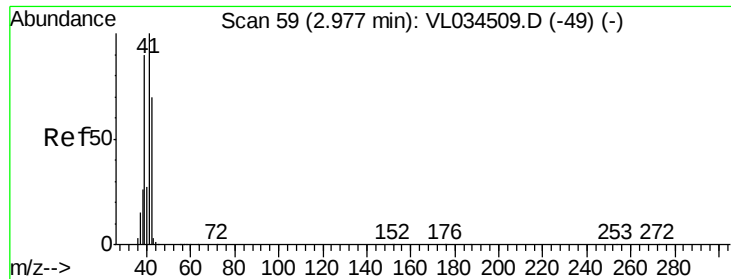
Delta R.T. -0.01 min

Lab File: VL034521.D

Acq: 30 Dec 2019 21:09

Tgt Ion:	64	Resp:	7670
Ion	Ratio	Lower	Upper
64	100		
66	26.5	25.0	37.4





#9

Propene

Concen: 0.188 ppbv m

RT: 3.00 min Scan# 65

Delta R.T. 0.02 min

Lab File: VL034521.D

Acq: 30 Dec 2019 21:09

Instrument :

MSVOA_L

ClientSampleId :

EFFLUENTDL

Tot Ion: 41 Resp: 8595

Ion Ratio Lower Upper

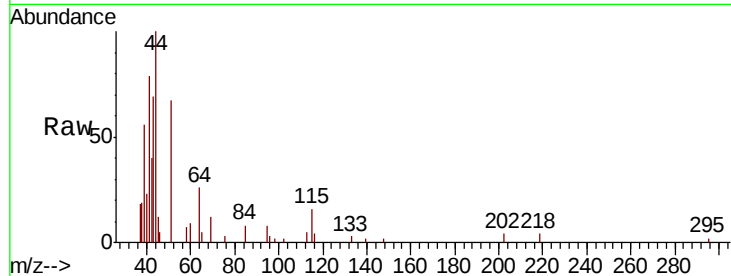
41 100

42 48.7 55.8 83.6#

Manual Integrations
APPROVED

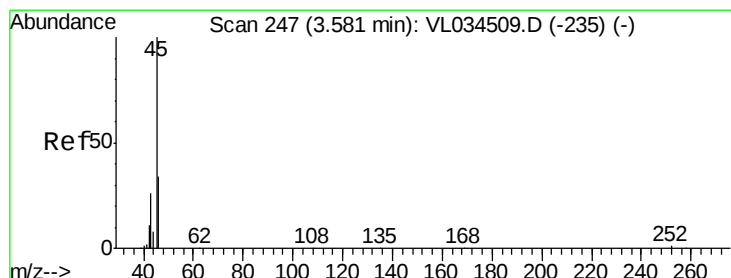
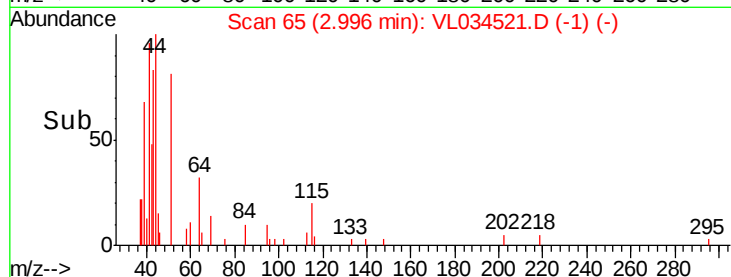
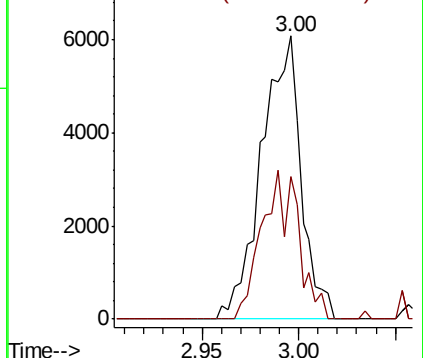
apatel

1/2/2020 10:49:28 AM



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#13

Ethanol

Concen: 0.334 ppbv m

RT: 3.60 min Scan# 253

Delta R.T. 0.02 min

Lab File: VL034521.D

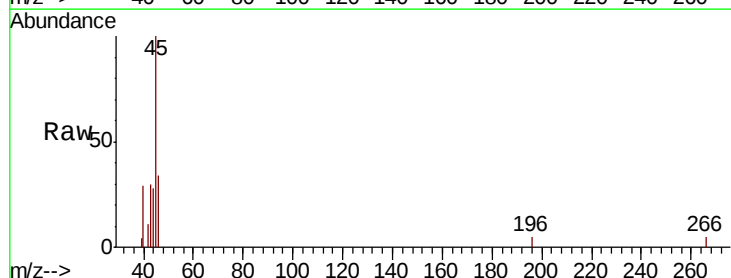
Acq: 30 Dec 2019 21:09

Tgt Ion: 45 Resp: 4229

Ion Ratio Lower Upper

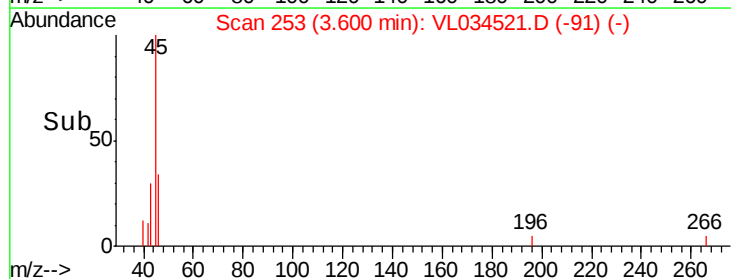
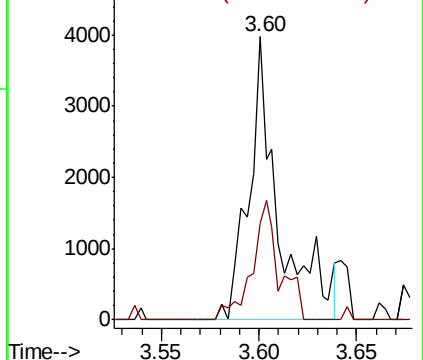
45 100

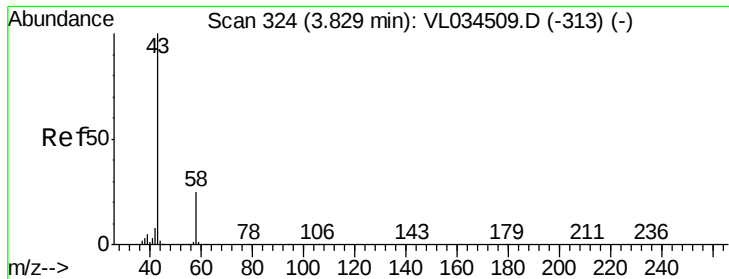
46 39.4 14.9 59.7



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 0.253 ppbv

RT: 3.85 min Scan# 330

Delta R.T. 0.02 min

Lab File: VL034521.D

Acq: 30 Dec 2019 21:09

Instrument :

MSVOA_L

ClientSampleID :

EFFLUENTDL

Tot Ion: 43 Resp: 36678

Ion Ratio Lower Upper

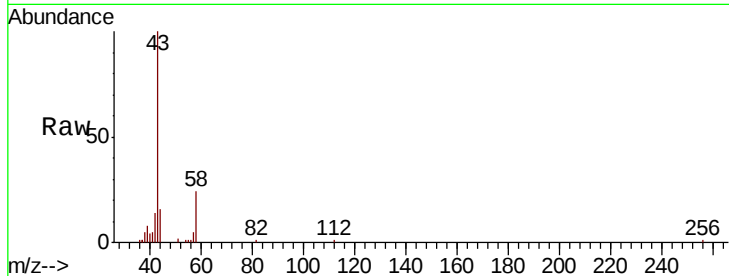
43 100

58 29.7 20.4 30.6

Manual Integrations
APPROVED

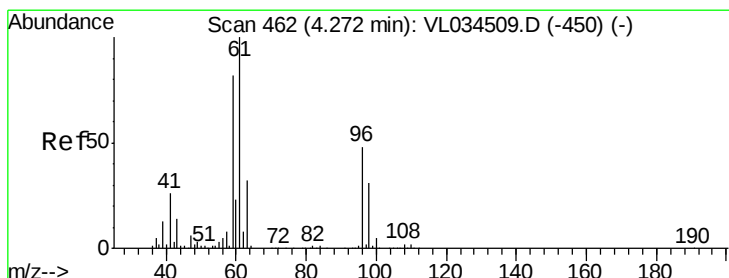
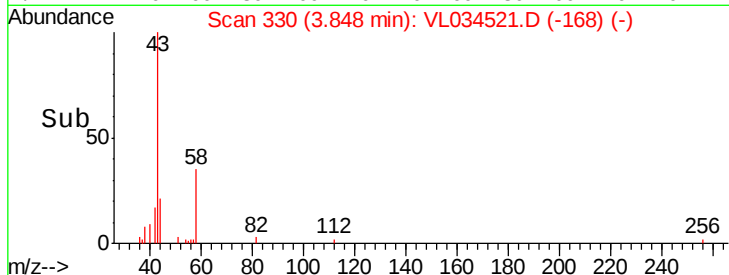
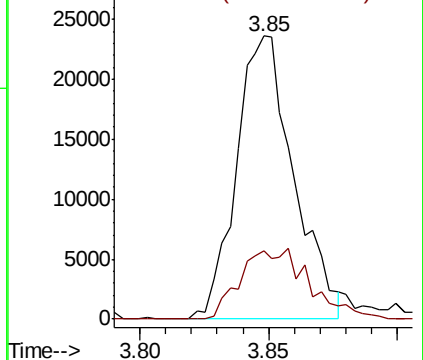
apatel

1/2/2020 10:49:28 AM



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#18

1,1-Dichloroethene

Concen: 0.131 ppbv m

RT: 4.28 min Scan# 464

Delta R.T. 0.01 min

Lab File: VL034521.D

Acq: 30 Dec 2019 21:09

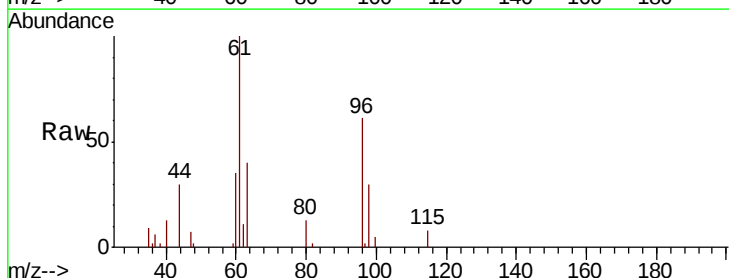
Tgt Ion: 96 Resp: 6583

Ion Ratio Lower Upper

96 100

61 162.7 165.9 248.9#

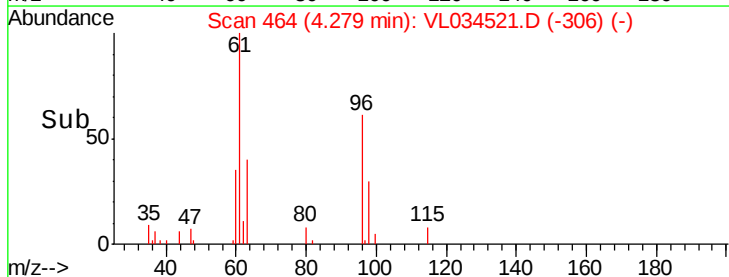
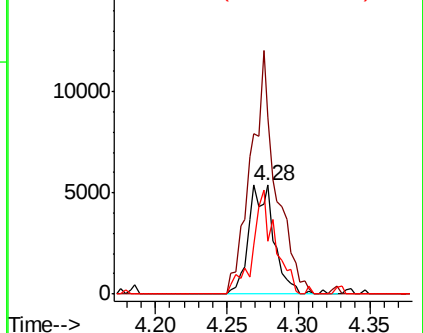
98 48.3 51.9 77.9#

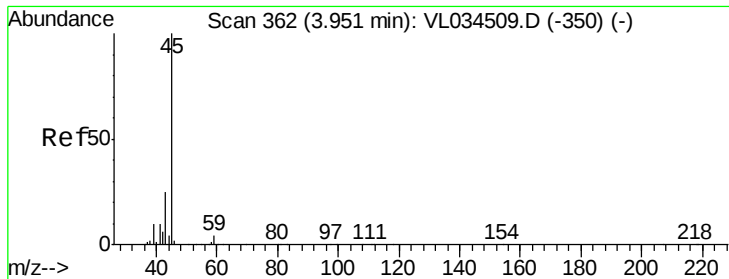


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#19

Isopropyl Alcohol

Concen: 0.113 ppbv

RT: 3.98 min Scan# 370

Delta R.T. 0.03 min

Lab File: VL034521.D

Acq: 30 Dec 2019 21:09

Instrument :

MSVOA_L

ClientSampleID :

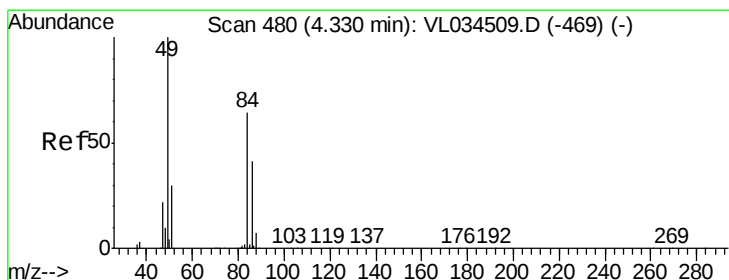
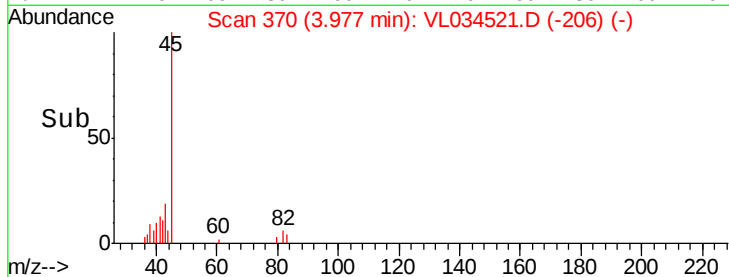
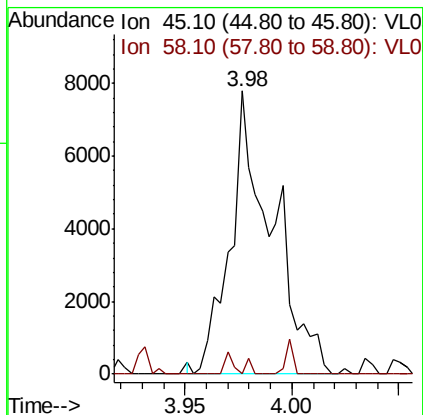
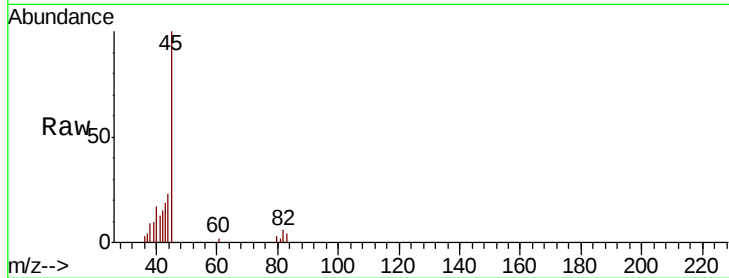
EFFLUENTDL

Tot Ion	45	Resp	10614
Ion Ratio	100	Lower	Upper
45	100		
58	3.1	1.4	2.0#

Manual Integrations
APPROVED

apatel

1/2/2020 10:49:28 AM



#20

Methylene Chloride

Concen: 0.271 ppbv

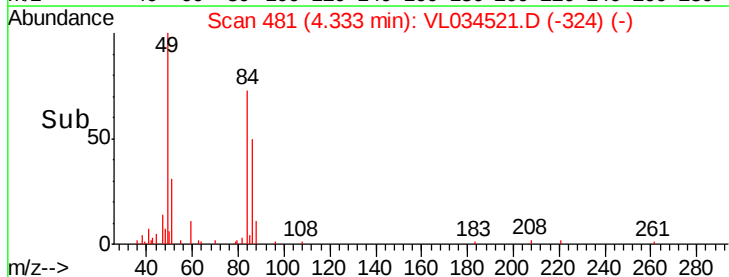
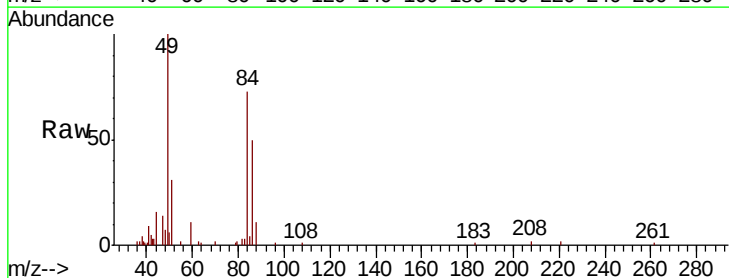
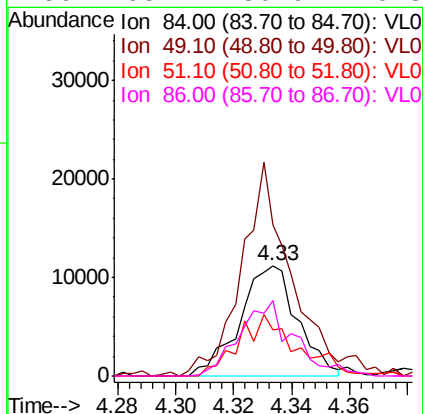
RT: 4.33 min Scan# 481

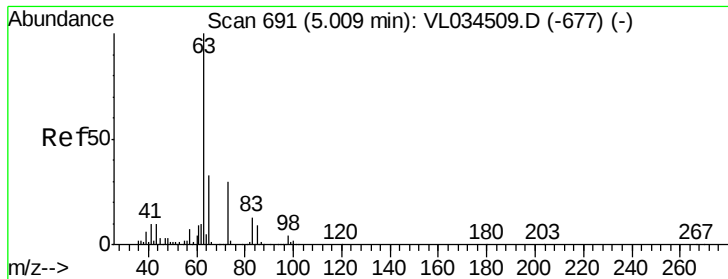
Delta R.T. 0.00 min

Lab File: VL034521.D

Acq: 30 Dec 2019 21:09

Tgt Ion	84	Resp	15450
Ion Ratio	100	Lower	Upper
84	100		
49	131.5	124.4	186.6
51	41.6	37.0	55.6
86	68.1	50.9	76.3





#24

1,1-Dichloroethane

Concen: 0.172 ppbv

RT: 5.00 min Scan# 689

Delta R.T. -0.01 min

Lab File: VL034521.D

Acq: 30 Dec 2019 21:09

Instrument :

MSVOA_L

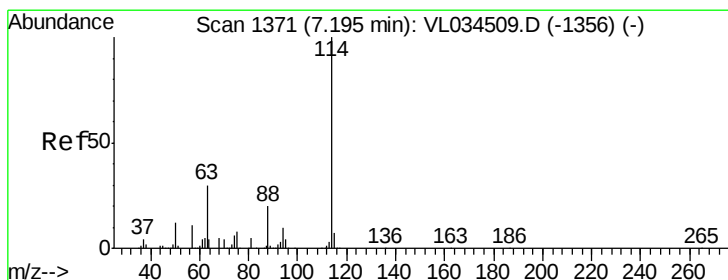
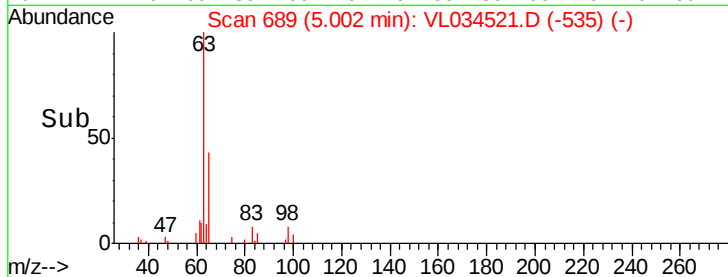
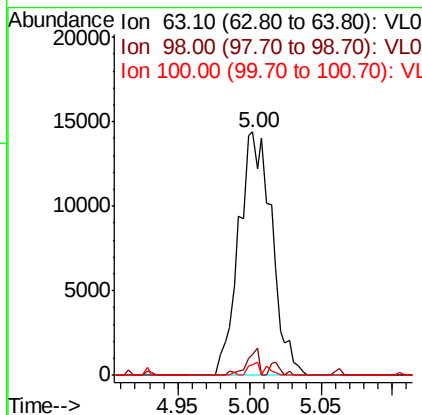
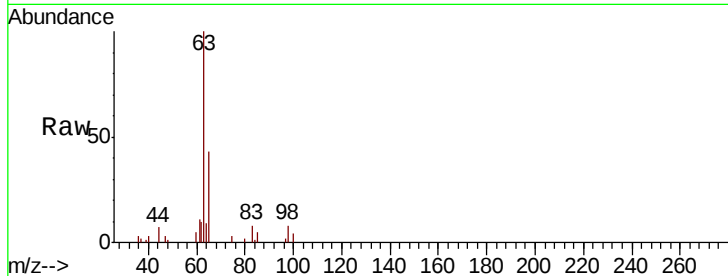
ClientSampleId :

EFFLUENTDL

Tot Ion:	63	Resp:	23065
Ion Ratio		Lower	Upper
63	100		
98	8.4	2.1	6.3#
100	4.3	1.1	3.3#

Manual Integrations
APPROVED

apatel
1/2/2020 10:49:28 AM



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

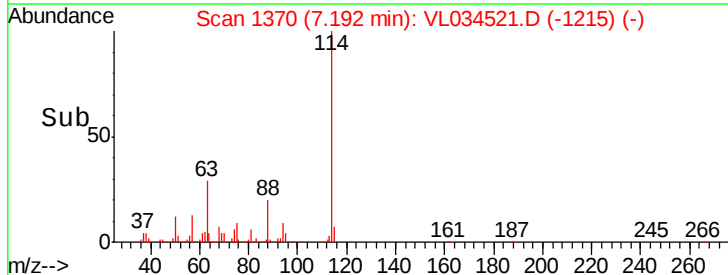
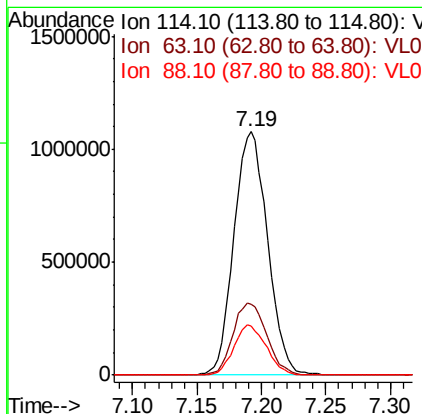
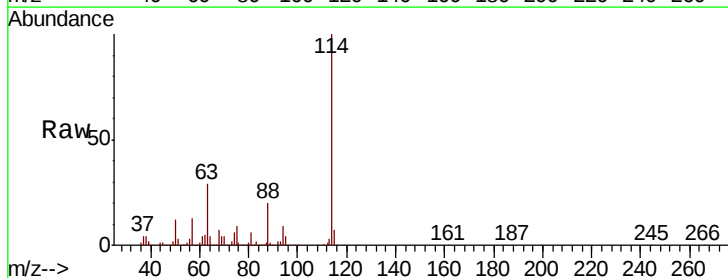
RT: 7.19 min Scan# 1370

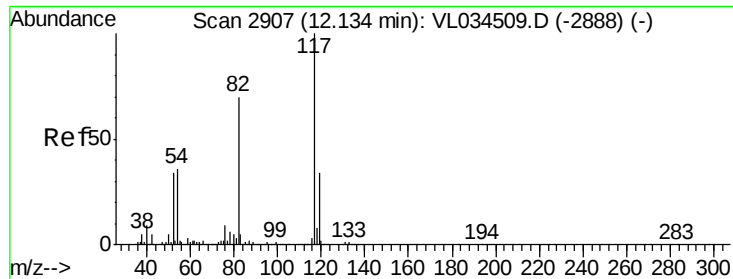
Delta R.T. -0.00 min

Lab File: VL034521.D

Acq: 30 Dec 2019 21:09

Tgt Ion:	114	Resp:	1957971
Ion Ratio		Lower	Upper
114	100		
63	29.9	24.1	36.1
88	19.9	15.7	23.5





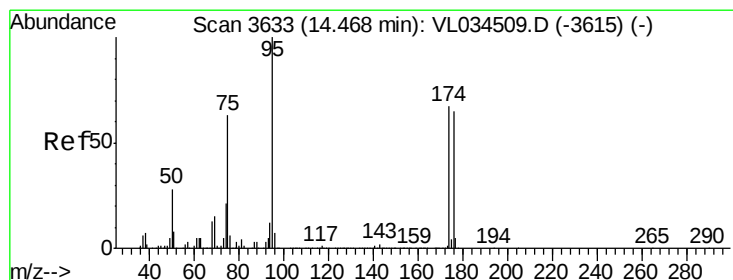
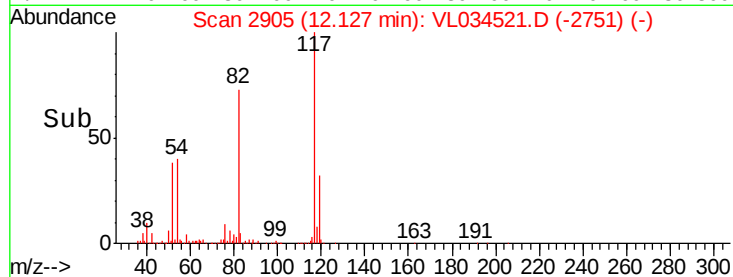
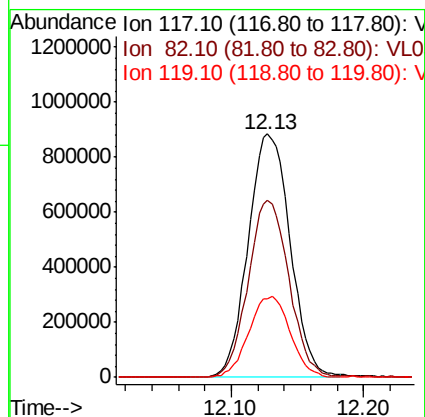
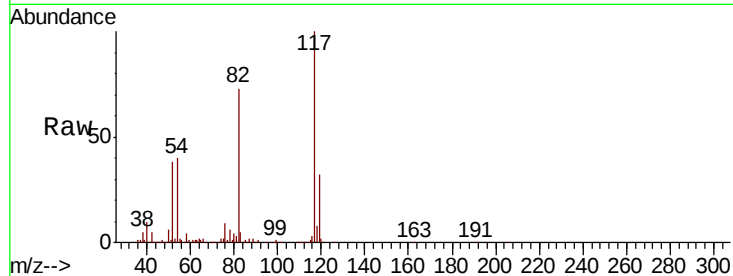
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.13 min Scan# 2905
Delta R.T. -0.01 min
Lab File: VL034521.D
Acq: 30 Dec 2019 21:09

Instrument :
MSVOA_L
ClientSampleId :
EFFLUENTDL

Tot Ion	Ratio	Lower	Upper
117	100		
82	71.1	56.2	84.4
119	33.1	27.1	40.7

Manual Integrations
APPROVED

apatel
1/2/2020 10:49:28 AM



#68
1-Bromo-4-Fluorobenzene
Concen: 10.044 ppbv
RT: 14.46 min Scan# 3631
Delta R.T. -0.01 min
Lab File: VL034521.D
Acq: 30 Dec 2019 21:09

Tgt Ion	Ratio	Lower	Upper
95	100		
174	63.9	52.4	78.6
175	4.7	3.9	5.9

