

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL031620\
 Data File : VL034900.D
 Acq On : 16 Mar 2020 21:24
 Operator : SY/AP
 Sample : L1924-05DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-01DL

Manual Integrations
 APPROVED

MMDadoda
 3/17/2020 12:16:09 PM

Quant Time: Mar 17 11:33:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 0
 QLast Update : Mon Mar 09 16:42:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	900231	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	1895972	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	1835750	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	1453039	10.15	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1554422	16.935	ppbv	97
13) Ethanol	3.58	45	60832	4.167	ppbv	95
15) Acetone	3.82	43	136710	1.172	ppbv	94
18) 1,1-Dichloroethene	4.26	96	96654	2.378	ppbv	97
19) Isopropyl Alcohol	3.96	45	35243m	0.478	ppbv	
22) trans-1,2-Dichloroethene	4.86	96	6320m	0.153	ppbv	
24) 1,1-Dichloroethane	4.99	63	16396	0.142	ppbv #	94
31) cis-1,2-Dichloroethene	5.53	61	772546	8.439	ppbv	98
32) 1,1,1-Trichloroethane	6.50	97	62392	0.469	ppbv	92
38) Trichloroethene	7.83	130	1389594	21.650	ppbv	96
52) Tetrachloroethene	11.24	164	38482m	0.576	ppbv	

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

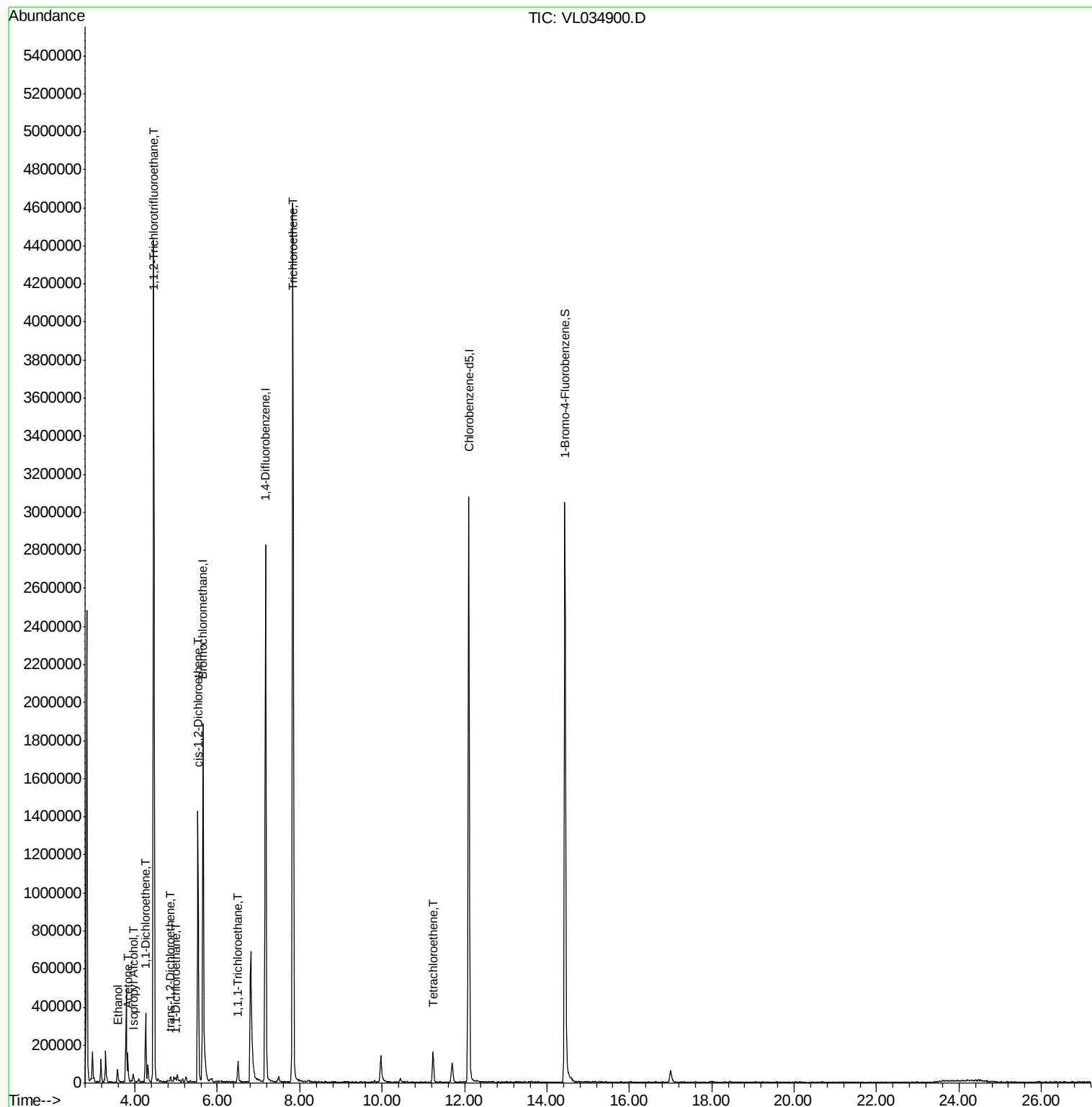
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL031620\
Data File : VL034900.D
Acq On : 16 Mar 2020 21:24
Operator : SY/AP
Sample : L1924-05DL 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

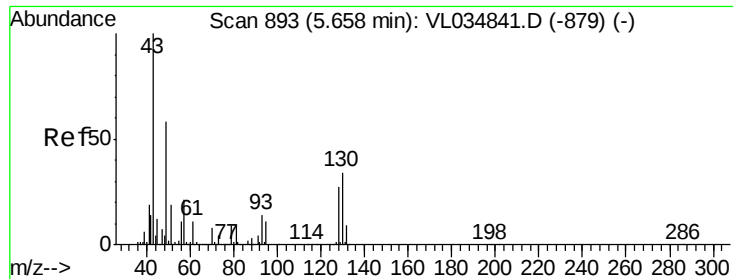
Instrument :
MSVOA_L
ClientSampleId :
SV-01DL

Manual Integrations
APPROVED

MMDadoda
3/17/2020 12:16:09 PM

Quant Time: Mar 17 11:33:19 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL030920AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar
QLast Update : Mon Mar 09 16:42:53 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 890

Delta R.T. -0.01 min

Lab File: VL034900.D

Acq: 16 Mar 2020 21:24

Instrument :

MSVOA_L

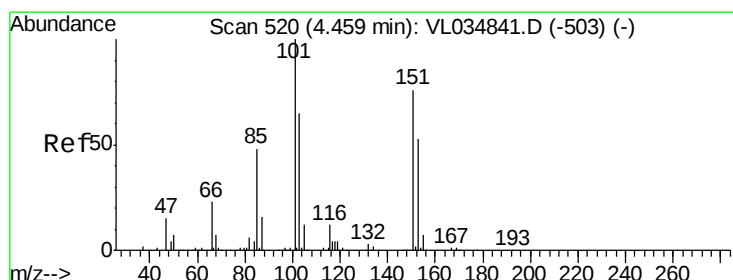
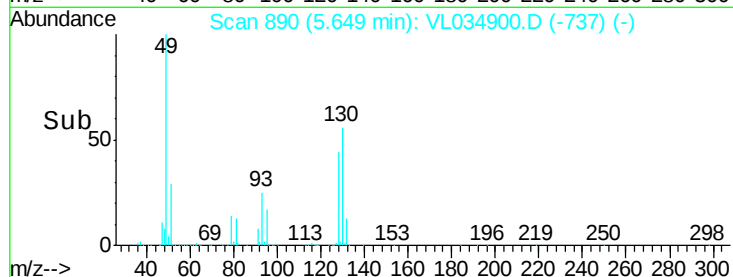
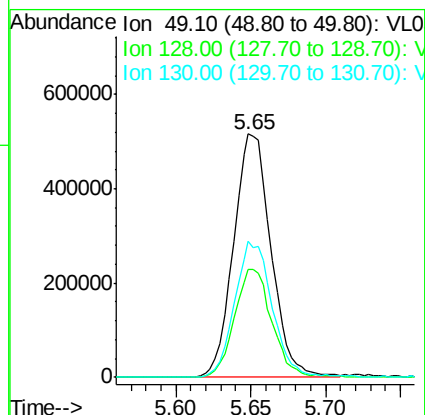
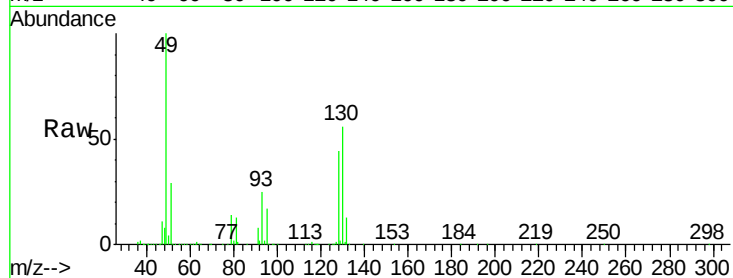
ClientSampleId :

SV-01DL

Tot Ion	Ratio	Lower	Upper
49	100		
128	44.8	23.4	70.3
130	56.4	30.0	90.0

Manual Integrations
APPROVED

MMDadoda
3/17/2020 12:16:09 PM



#12

1,1,2-Trichlorotrifluoroethane

Concen: 16.935 ppbv

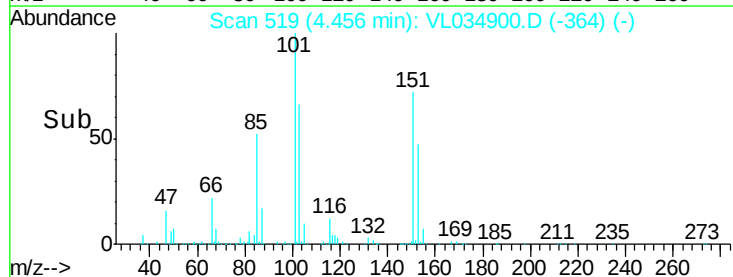
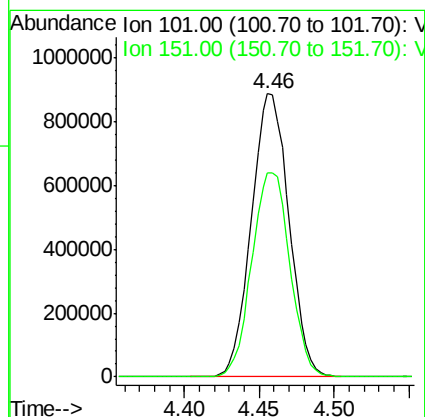
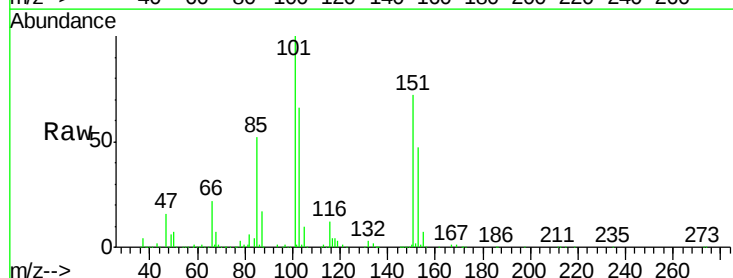
RT: 4.46 min Scan# 519

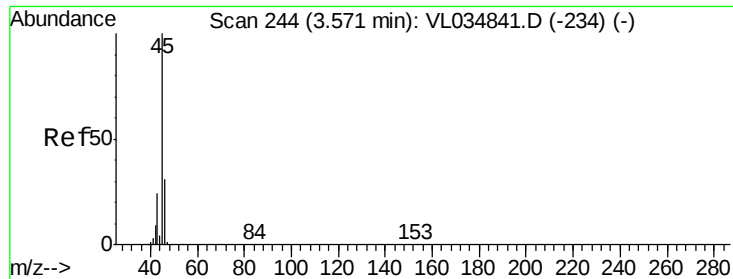
Delta R.T. -0.00 min

Lab File: VL034900.D

Acq: 16 Mar 2020 21:24

Tgt Ion	Ratio	Lower	Upper
101	100		
151	73.3	60.8	91.2





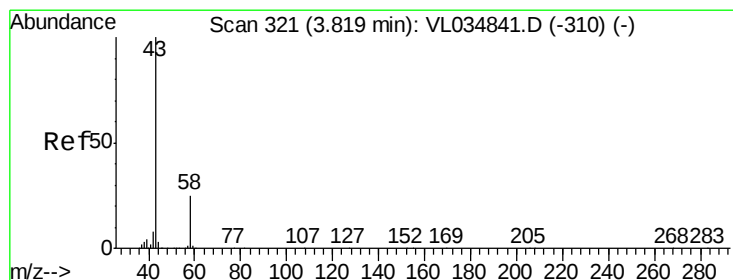
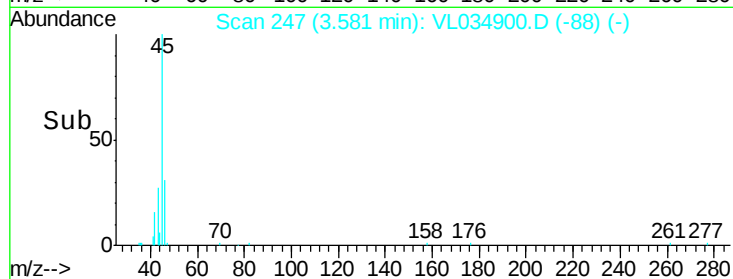
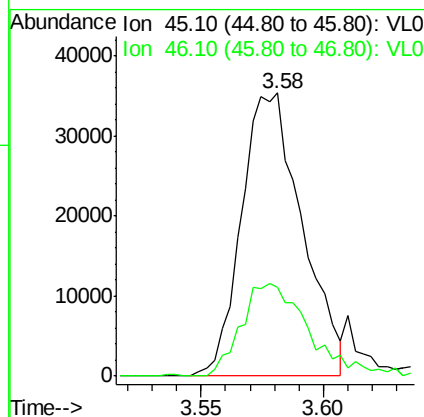
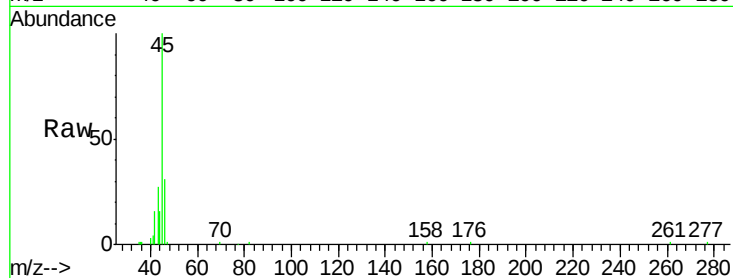
#13
Ethanol
Concen: 4.167 ppbv
RT: 3.58 min Scan# 247
Delta R.T. 0.01 min
Lab File: VL034900.D
Acq: 16 Mar 2020 21:24

Instrument :
MSVOA_L
ClientSampleId :
SV-01DL

Tot Ion: 45 Resp: 60832
Ion Ratio Lower Upper
45 100
46 36.8 16.0 64.0

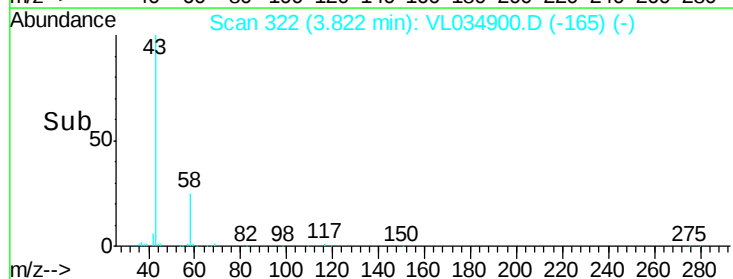
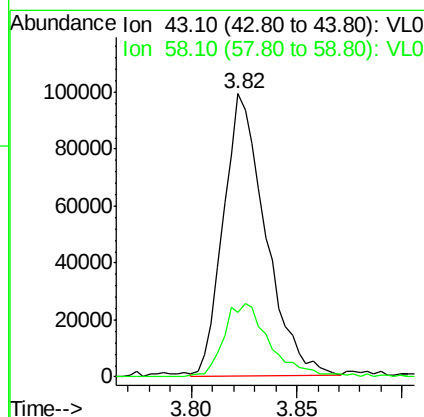
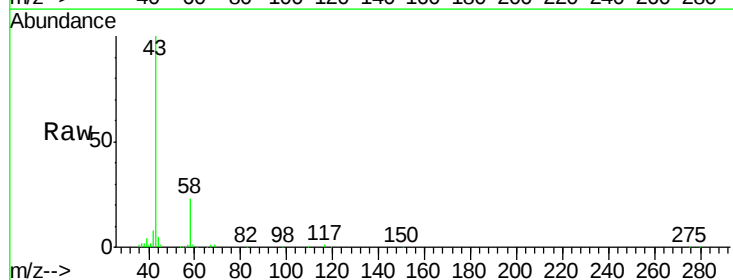
Manual Integrations
APPROVED

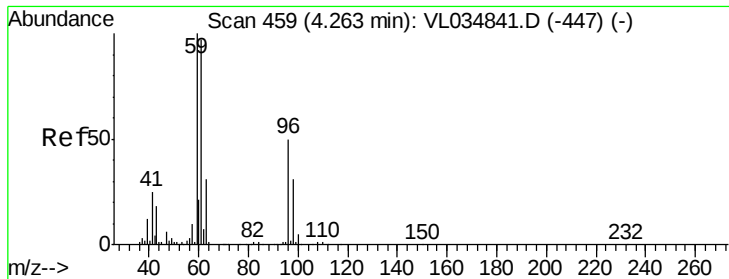
MMDadoda
3/17/2020 12:16:09 PM



#15
Acetone
Concen: 1.172 ppbv
RT: 3.82 min Scan# 322
Delta R.T. 0.00 min
Lab File: VL034900.D
Acq: 16 Mar 2020 21:24

Tgt Ion: 43 Resp: 136710
Ion Ratio Lower Upper
43 100
58 29.3 21.0 31.6





#18

1,1-Dichloroethene

Concen: 2.378 ppbv

RT: 4.26 min Scan# 459

Delta R.T. 0.00 min

Lab File: VL034900.D

Acq: 16 Mar 2020 21:24

Instrument :

MSVOA_L

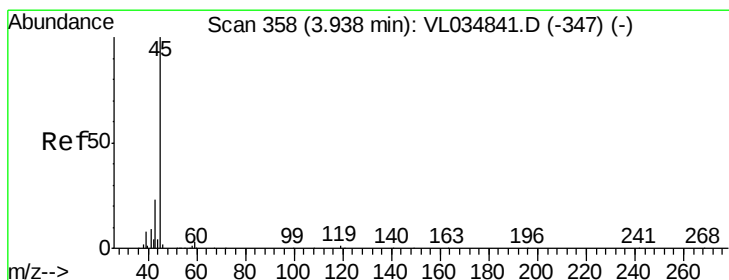
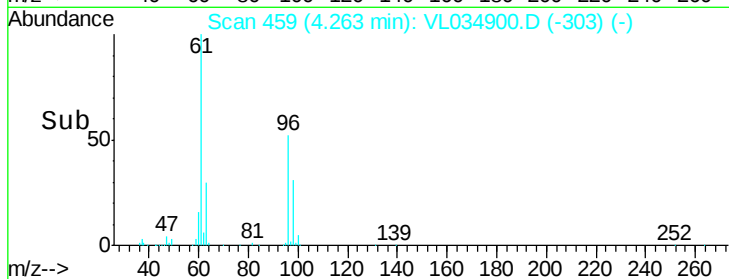
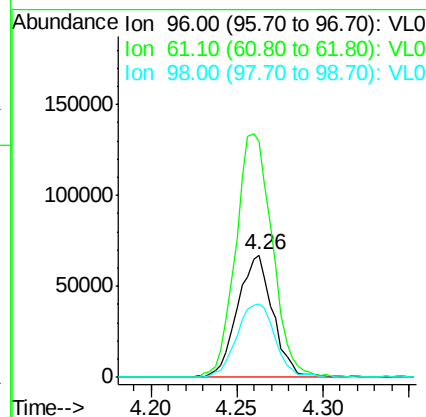
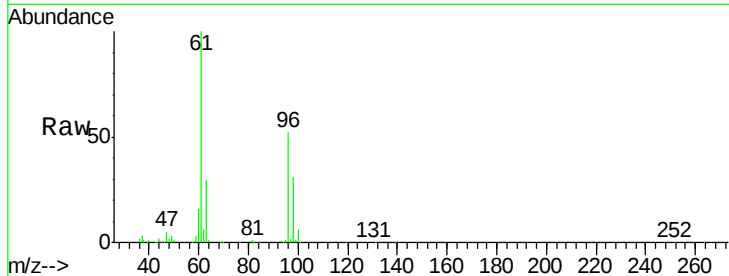
ClientSampleID :

SV-01DL

Tot Ion:	96	Resp:	96654
Ion	Ratio	Lower	Upper
96	100		
61	192.9	157.3	235.9
98	60.4	50.2	75.4

Manual Integrations
APPROVED

MMDadoda
3/17/2020 12:16:09 PM



#19

Isopropyl Alcohol

Concen: 0.478 ppbv m

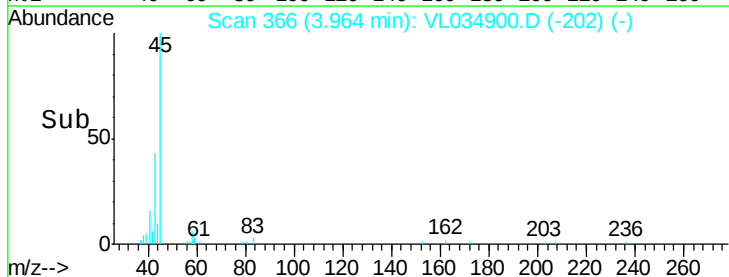
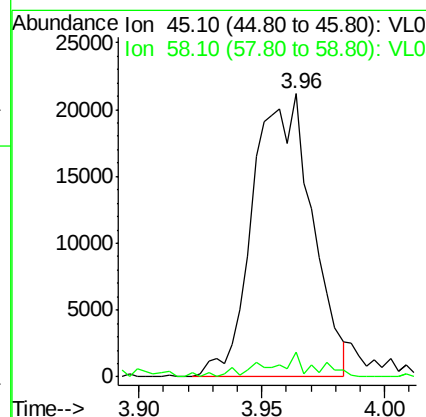
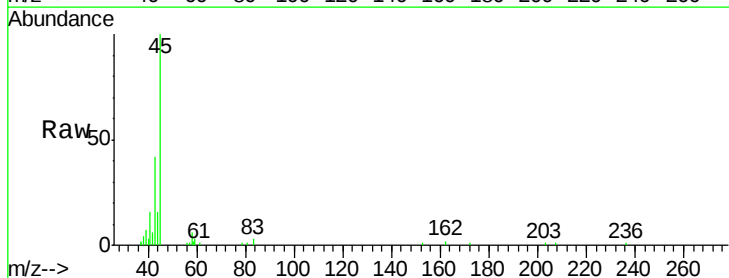
RT: 3.96 min Scan# 366

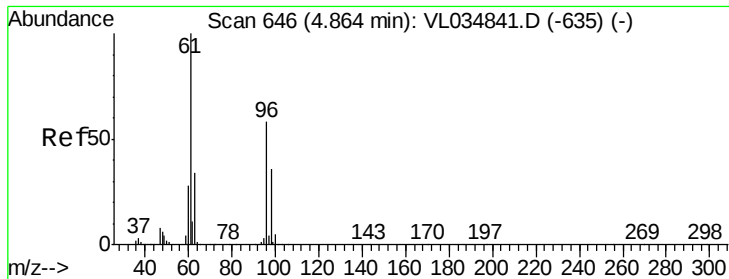
Delta R.T. 0.03 min

Lab File: VL034900.D

Acq: 16 Mar 2020 21:24

Tgt Ion:	45	Resp:	35243
Ion	Ratio	Lower	Upper
45	100		
58	0.0	30.5	45.7#





#22

trans-1,2-Dichloroethene

Concen: 0.153 ppbv m

RT: 4.86 min Scan# 645

Delta R.T. -0.00 min

Lab File: VL034900.D

Acq: 16 Mar 2020 21:24

Instrument :

MSVOA_L

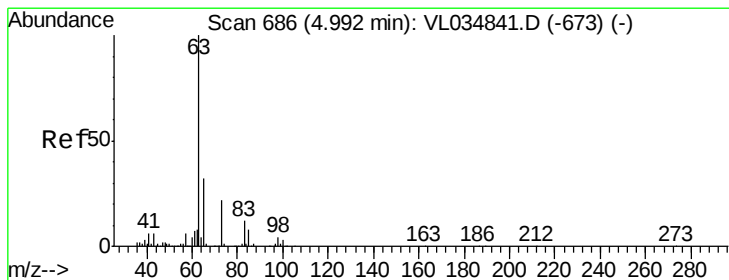
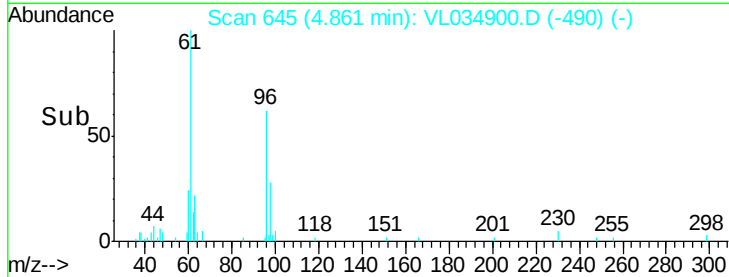
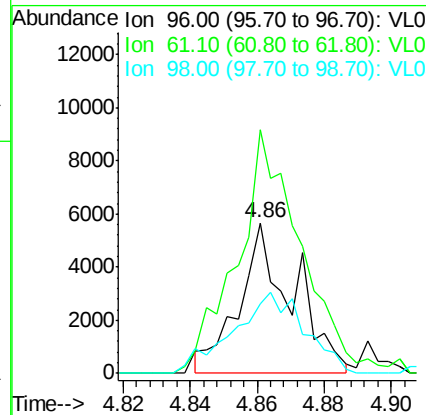
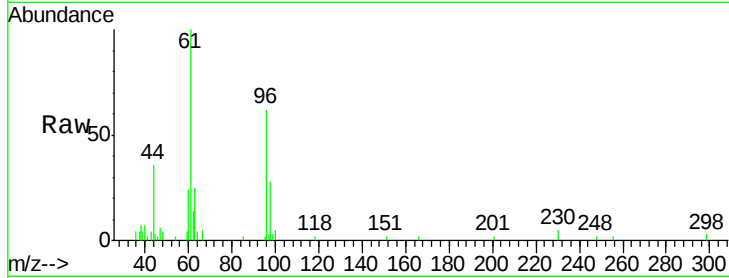
ClientSampleId :

SV-01DL

Tot Ion:	96	Resp:	6320
Ion Ratio	Lower	Upper	
96	100		
61	161.5	139.0	208.6
98	45.9	50.3	75.5#

Manual Integrations
APPROVED

MMDadoda
3/17/2020 12:16:09 PM



#24

1,1-Dichloroethane

Concen: 0.142 ppbv

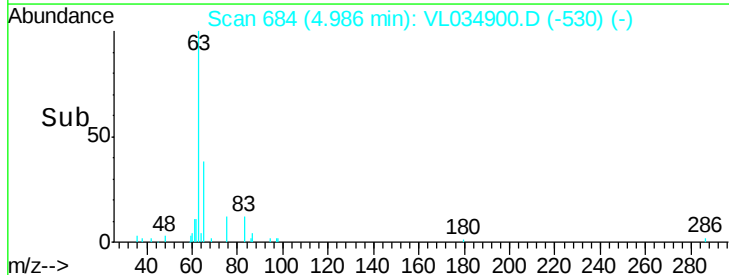
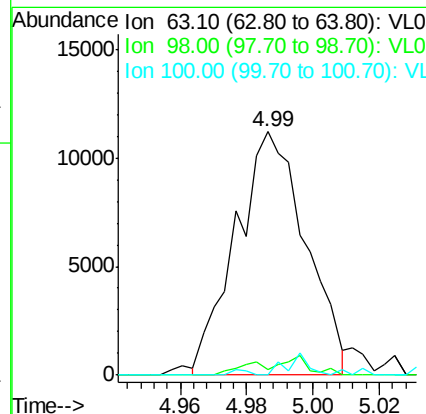
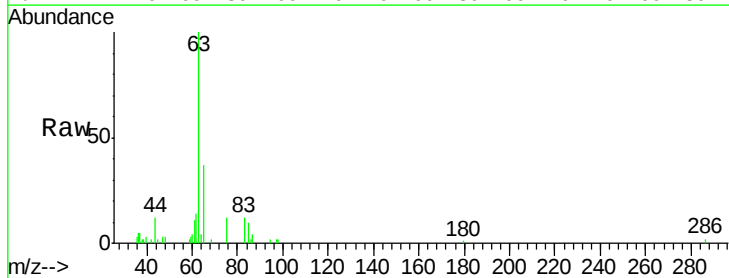
RT: 4.99 min Scan# 684

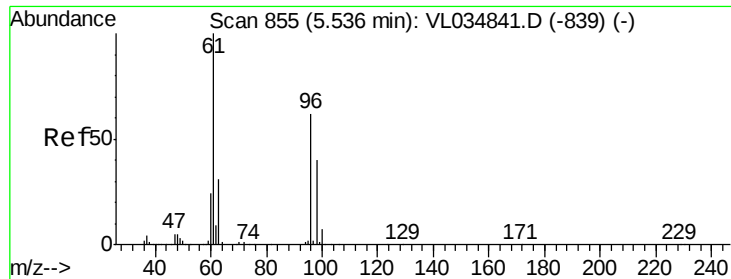
Delta R.T. -0.01 min

Lab File: VL034900.D

Acq: 16 Mar 2020 21:24

Tgt Ion:	63	Resp:	16396
Ion Ratio	Lower	Upper	
63	100		
98	2.2	2.0	5.8
100	0.0	1.4	4.0#





#31

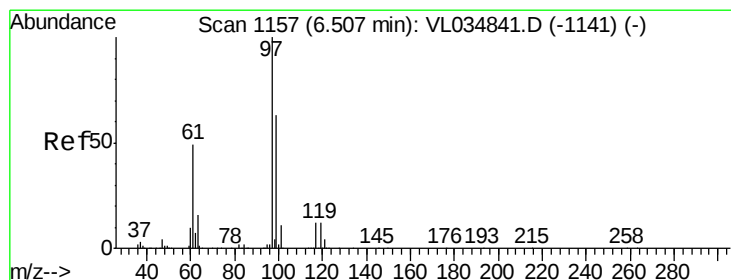
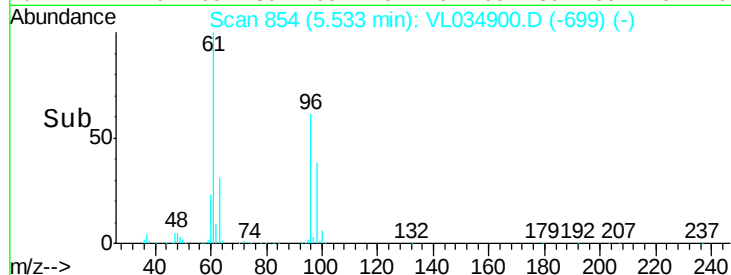
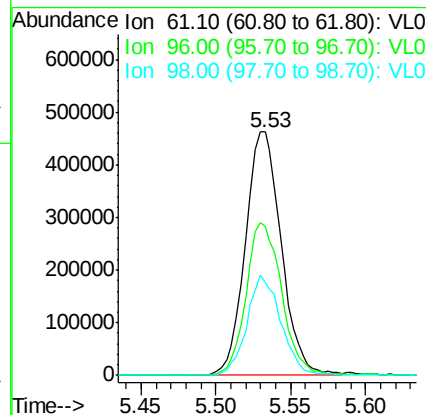
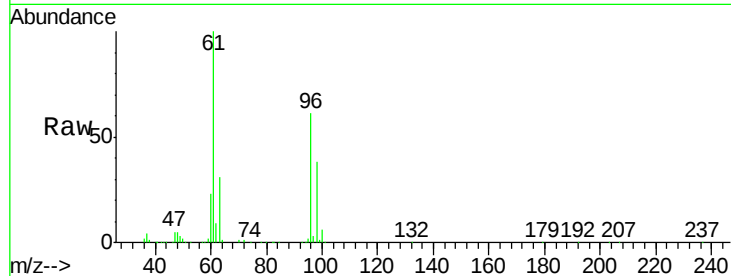
cis-1,2-Dichloroethene
Concen: 8.439 ppbv
RT: 5.53 min Scan# 854
Delta R.T. -0.00 min
Lab File: VL034900.D
Acq: 16 Mar 2020 21:24

Instrument :
MSVOA_L
ClientSampleId :
SV-01DL

Tot Ion	Ratio	Lower	Upper
61	100		
96	61.1	49.8	74.8
98	38.2	32.2	48.4

Manual Integrations
APPROVED

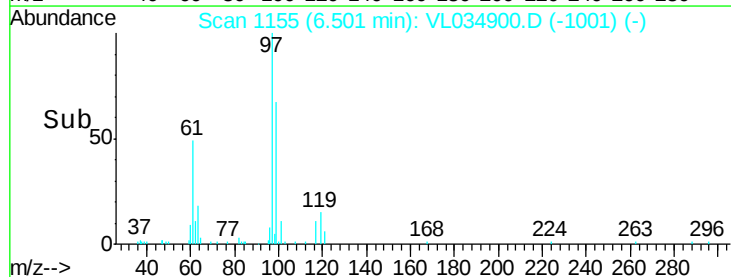
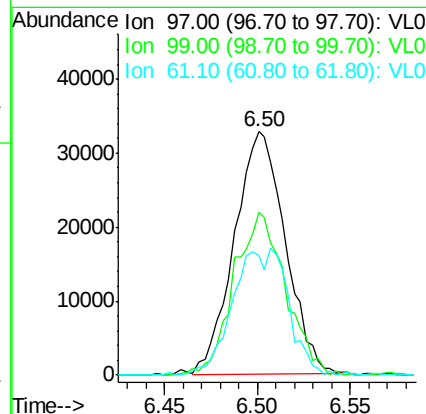
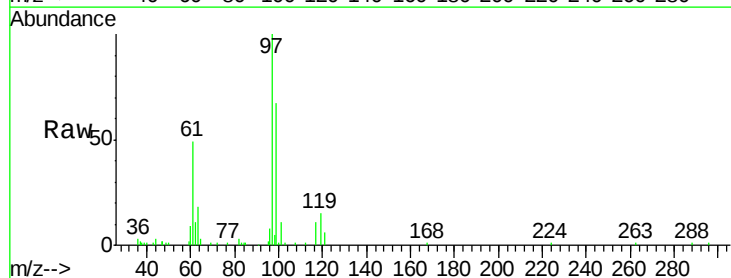
MMDadoda
3/17/2020 12:16:09 PM

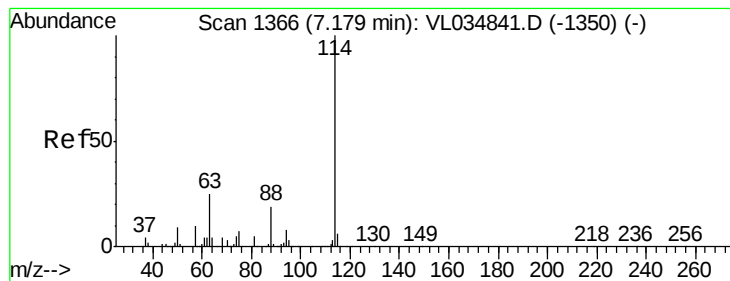


#32

1,1,1-Trichloroethane
Concen: 0.469 ppbv
RT: 6.50 min Scan# 1155
Delta R.T. -0.01 min
Lab File: VL034900.D
Acq: 16 Mar 2020 21:24

Tgt Ion	Ratio	Lower	Upper
97	100		
99	68.2	51.1	76.7
61	57.0	39.7	59.5





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17 min Scan# 1363

Delta R.T. -0.01 min

Lab File: VL034900.D

Acq: 16 Mar 2020 21:24

Instrument :

MSVOA_L

ClientSampleID :

SV-01DL

Tot Ion:114 Resp: 1895972

Ion Ratio Lower Upper

114 100

63 27.7 20.6 31.0

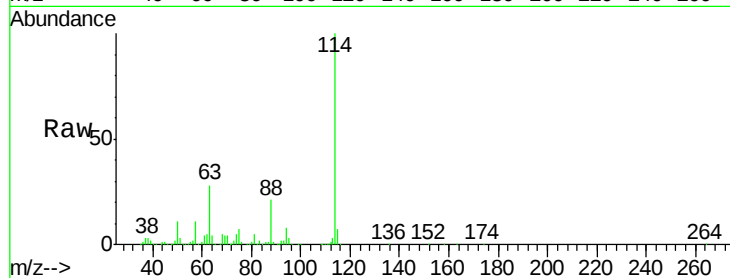
88 19.5 15.0 22.6

Manual Integrations

APPROVED

MMDadoda

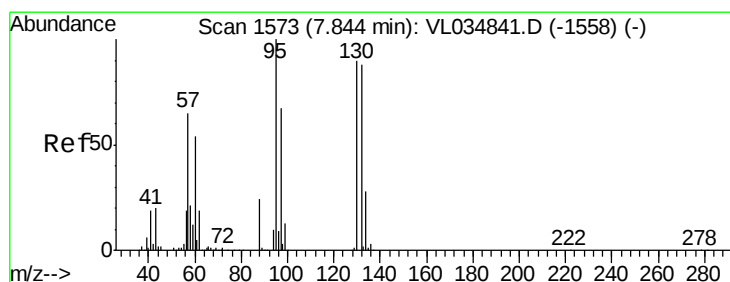
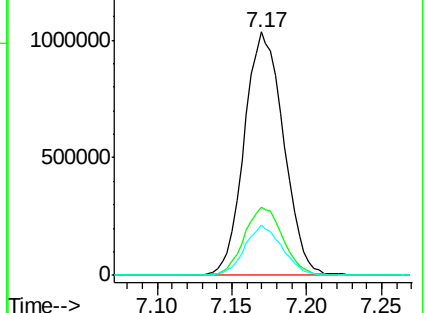
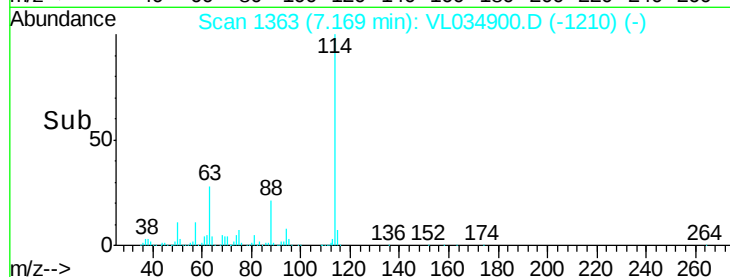
3/17/2020 12:16:09 PM



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



#38

Trichloroethene

Concen: 21.650 ppbv

RT: 7.83 min Scan# 1570

Delta R.T. -0.01 min

Lab File: VL034900.D

Acq: 16 Mar 2020 21:24

Tgt Ion:130 Resp: 1389594

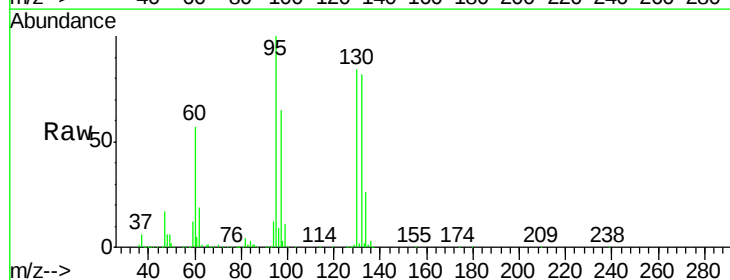
Ion Ratio Lower Upper

130 100

95 118.8 88.5 132.7

132 97.6 78.0 117.0

97 77.0 59.3 88.9

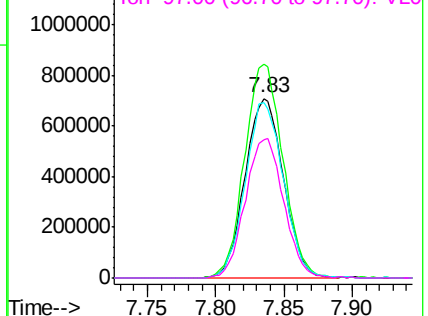
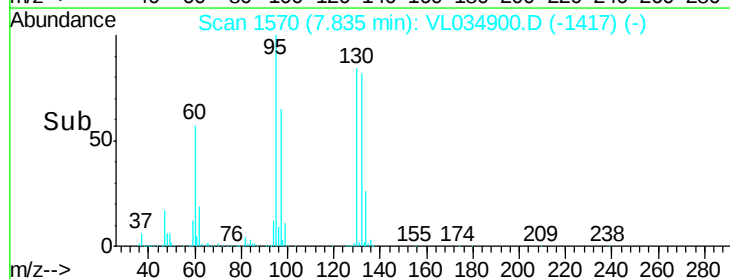


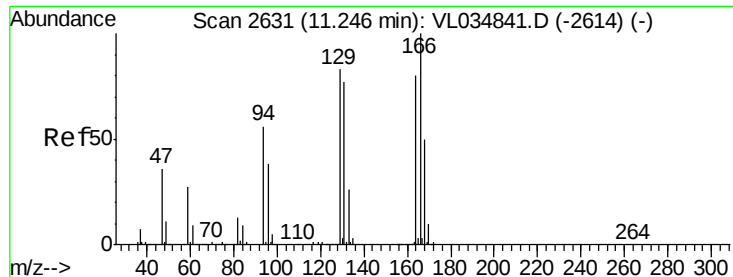
Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0





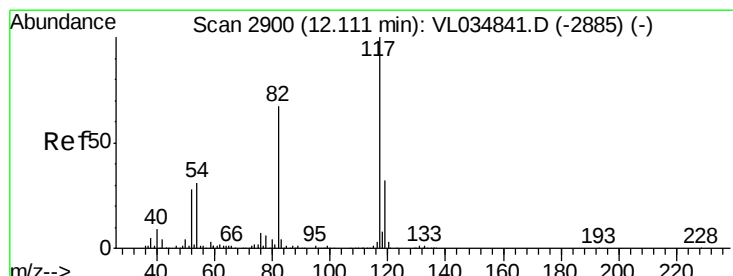
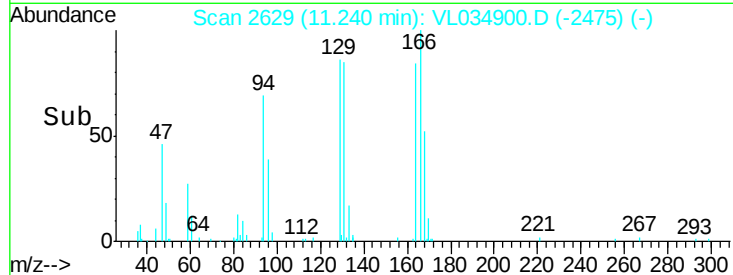
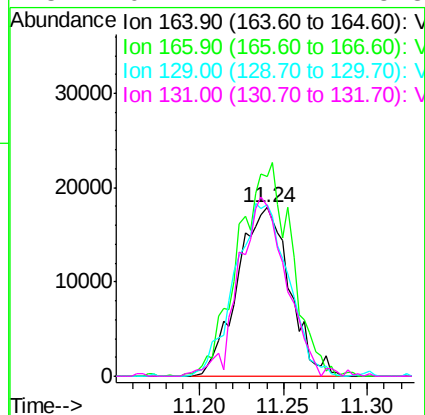
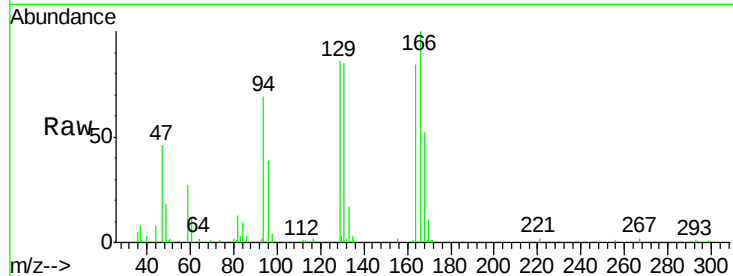
#52
Tetrachloroethene
Concen: 0.576 ppbv m
RT: 11.24 min Scan# 2629
Delta R.T. -0.01 min
Lab File: VL034900.D
Acq: 16 Mar 2020 21:24

Instrument :
MSVOA_L
ClientSampleId :
SV-01DL

Tot Ion	Ratio	Lower	Upper
164	100		
166	118.8	100.0	150.0
129	101.7	83.1	124.7
131	101.1	77.2	115.8

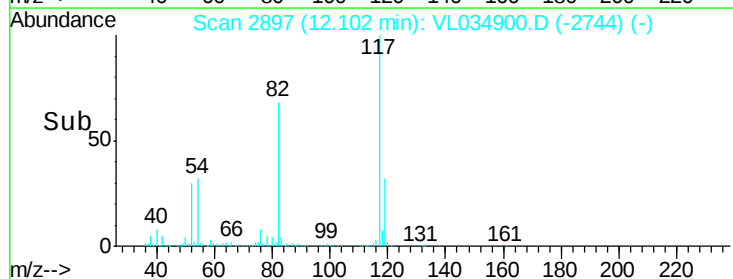
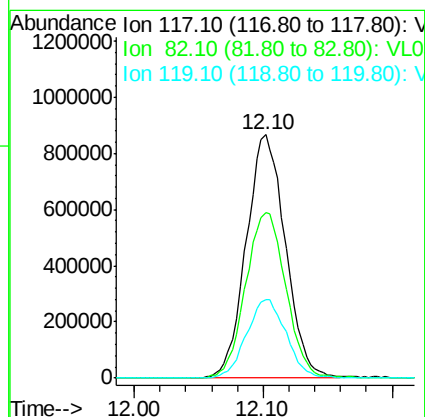
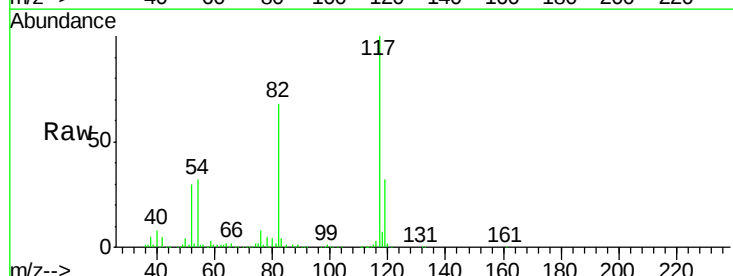
Manual Integrations
APPROVED

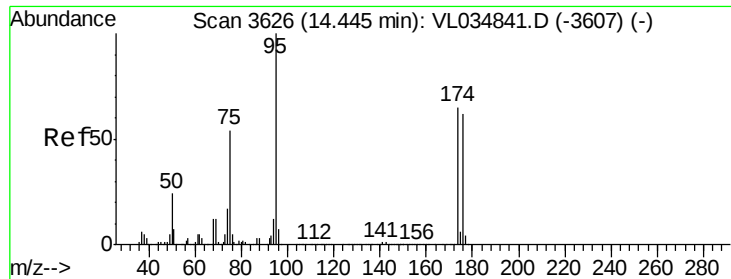
MMDadoda
3/17/2020 12:16:09 PM



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2897
Delta R.T. -0.01 min
Lab File: VL034900.D
Acq: 16 Mar 2020 21:24

Tgt Ion	Ratio	Lower	Upper
117	100		
82	69.8	51.1	76.7
119	32.9	27.3	40.9





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.149 ppbv
 RT: 14.44 min Scan# 3624
 Delta R.T. -0.01 min
 Lab File: VL034900.D
 Acq: 16 Mar 2020 21:24

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-01DL

Tot Ion: 95 Resp: 1453039
 Ion Ratio Lower Upper
 95 100
 174 66.8 55.2 82.8
 175 4.8 4.3 6.5

Manual Integrations
 APPROVED

MMDadoda
 3/17/2020 12:16:09 PM

