LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031519\
Data File : VL033343.D
Acq On : 15 Mar 2019 23:03
Operator : SY/AP
Sample : K1827-06
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : A-6

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 3 Min Area: 3 % of largest Peak
Start Thrs: 0.001 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 0

Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031519AIR.M
Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Mar 15 14:52:14 2019

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.988	9	16	20	rBV2	193788	242165	3.87%	0.587%
2	3.014	20	24	30	rVV	215389	281446	4.50%	0.683%
3	3.049	30	35	41	rVV3	176985	239462	3.83%	0.581%
4	3.172	60	73	83	rBV3	34452	67741	1.08%	0.164%
5	3.239	83	94	104	rBV	315084	402503	6.43%	0.976%
6	3.393	134	142	154	rVB	423541	544214	8.70%	1.320%
7	3.654	210	223	244	rBV	1833701	3816532	61.01%	9.256%
8	3.901	289	300	317	rBV	509935	922004	14.74%	2.236%
9	4.033	323	341	358	rBV	585064	1283929	20.52%	3.114%
10	4.191	380	390	400	rVV2	126226	176604	2.82%	0.428%
11	4.252	400	409	421	rVB4	104348	162617	2.60%	0.394%
12	4.409	451	458	471	rVB3	155289	253905	4.06%	0.616%
13	5.143	676	686	691	rBV5	40085	64691	1.03%	0.157%
14	5.194	691	702	713	rVB4	103895	186499	2.98%	0.452%
15	5.332	736	745	758	rVB	69745	117322	1.88%	0.285%
16	5.461	774	785	797	rVB6	39339	73422	1.17%	0.178%
17	5.763	864	879	898	rBV4	1696675	3288624	52.57%	7.976%
18	7.004	1258	1265	1277	rVB4	51133	97221	1.55%	0.236%
19	7.294	1340	1355	1369	rBV	2223673	4123027	65.90%	10.000%
20	7.368	1369	1378	1392	rVB3	75461	155008	2.48%	0.376%
21	7.605	1440	1452	1463	rBV5	114123	240050	3.84%	0.582%
22	7.998	1558	1574	1582	rVB9	34145	68946	1.10%	0.167%
23	8.252	1639	1653	1664	rBV4	131186	258712	4.14%	0.627%
24	8.888	1836	1851	1860	rBV5	78430	186220	2.98%	0.452%
25	8.956	1860	1872	1890	rVB7	138610	325200	5.20%	0.789%
26	9.949	2163	2181	2201	rBV2	2291122	4747423	75.89%	11.514%
27	10.570	2358	2374	2384	rBV7	93592	205145	3.28%	0.498%
28	11.113	2529	2543	2544	rBV3	89690	117621	1.88%	0.285%
29	11.120	2544	2545	2557	rVB3	90364	93379	1.49%	0.226%
30	12.245	2875	2895	2918	rBV	2835769	6256035	100.00%	15.173%
31	12.869	3076	3089	3101	rBV2	70466	144272	2.31%	0.350%
32	13.123	3157	3168	3188	rVB4	58287	145698	2.33%	0.353%
33	13.380	3237	3248	3261	rBV8	53489	147547	2.36%	0.358%
34	14.579	3603	3621	3643	rBV2	2762711	6248986	99.89%	15.156%

LSC Area Percent Report

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ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : A-6

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 3 Min Area: 3 % of largest Peak
Start Thrs: 0.001 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 0

Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031519AIR.M
Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Mar 15 14:52:14 2019

35	15.483	3890	3902	3918	rVB8	61779	157087	2.51%	0.381%
36	16.933	4342	4353	4367	rVB8	31200	77463	1.24%	0.188%
37	17.126	4396	4413	4433	rBV5	122655	348132	5.56%	0.844%
38	17.267	4449	4457	4472	rBV6	55840	133429	2.13%	0.324%
39	18.116	4705	4721	4750	rBV4	684574	1637520	26.18%	3.972%
40	19.692	5198	5211	5223	rVB7	57110	131491	2.10%	0.319%
41	21.653	5797	5821	5842	rBV	931912	2953852	47.22%	7.164%
42	25.203	6913	6925	6936	rVB6	57130	107703	1.72%	0.261%

Sum of corrected areas: 41230847

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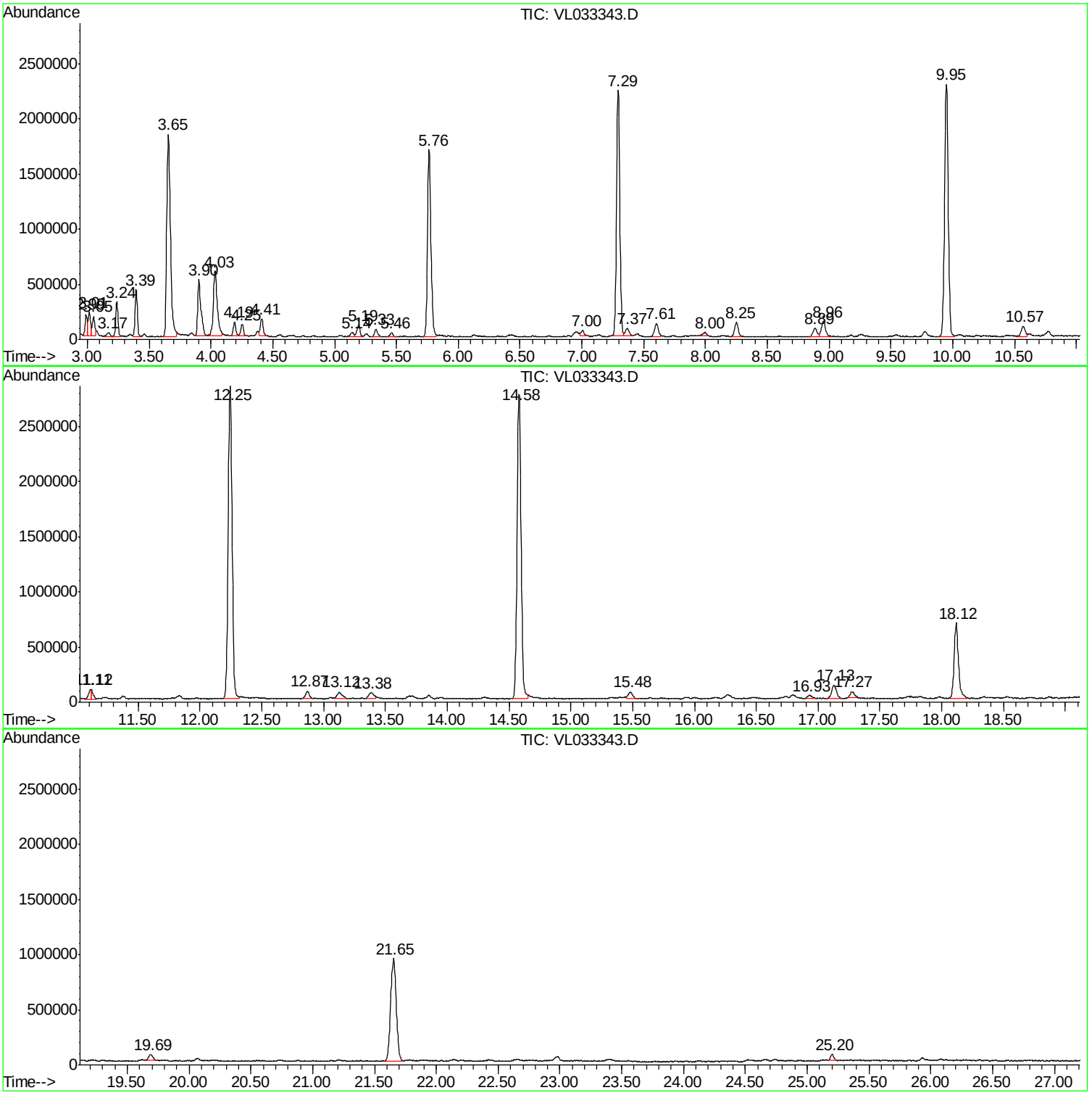
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Mar 15 14:52:14 2019

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

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Data File : VL033343.D
Acq On : 15 Mar 2019 23:03
Operator : SY/AP
Sample : K1827-06
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Instrument : MSVOA_L
ClientSampleId : A-6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Mar 15 14:52:14 2019

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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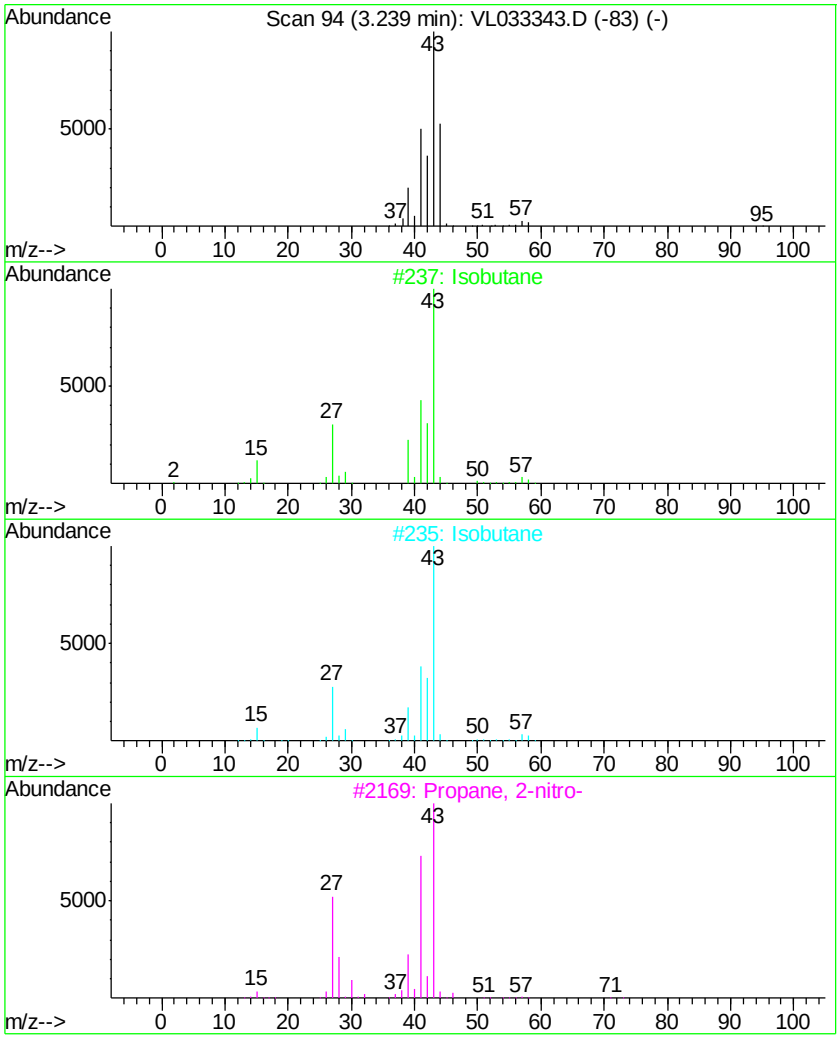
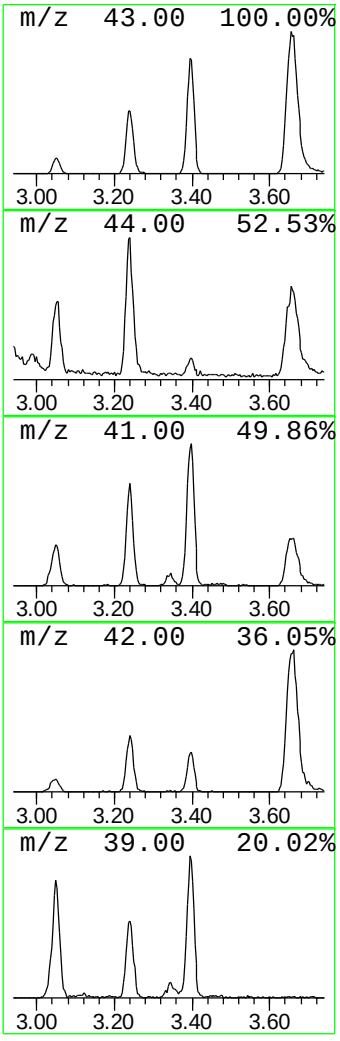
Peak Number 1 unknown3.24 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.24	1.22 ppbv	402503	Bromochloromethane	5.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isobutane	58	C4H10	000075-28-5	38
2	Isobutane	58	C4H10	000075-28-5	9
3	Propane, 2-nitro-	89	C3H7NO2	000079-46-9	9
4	Isobutane	58	C4H10	000075-28-5	9
5	Pyrimidine-2,4(1H,3H)-dione, 5-a...	156	C4H4N4O3	1000270-67-7	9





Library Search Compound Report

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Instrument : MSVOA_L
ClientSampleId : A-6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Mar 15 14:52:14 2019

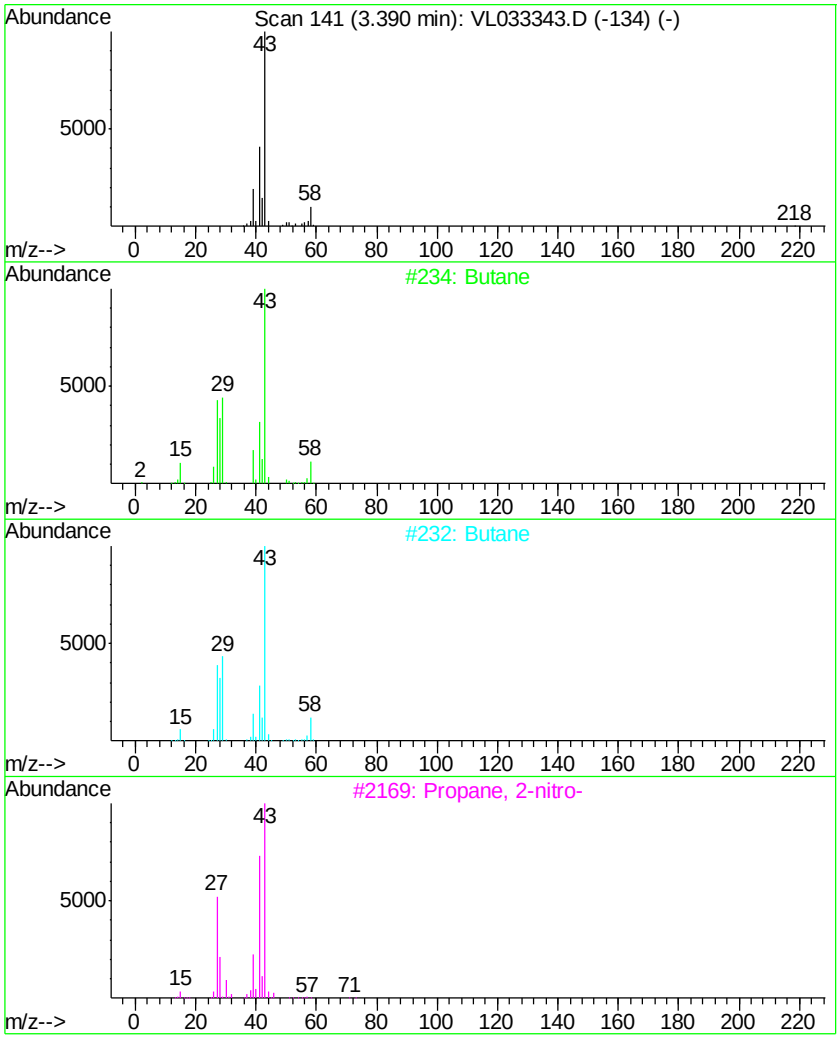
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

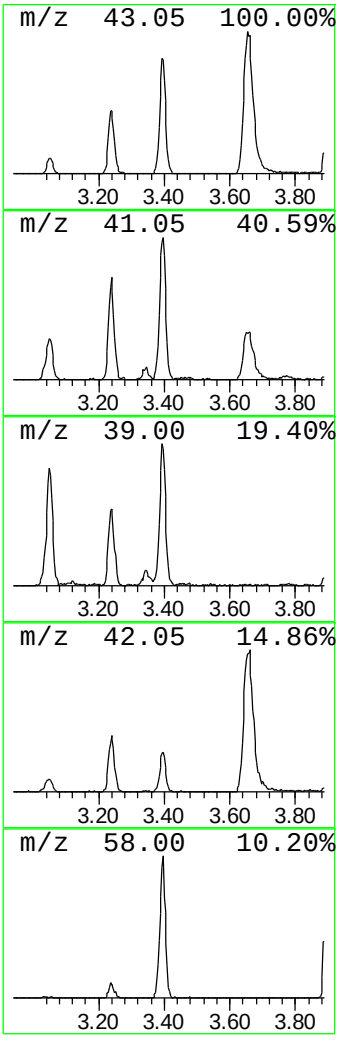
****

Peak Number 2 Butane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.39	1.65 ppbv	544214	Bromochloromethane	5.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane	58	C4H10	000106-97-8	59
2	Butane	58	C4H10	000106-97-8	42
3	Propane, 2-nitro-	89	C3H7NO2	000079-46-9	25
4	Isobutane	58	C4H10	000075-28-5	9
5	Isobutane	58	C4H10	000075-28-5	9





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Instrument : MSVOA_L
ClientSampleId : A-6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Mar 15 14:52:14 2019

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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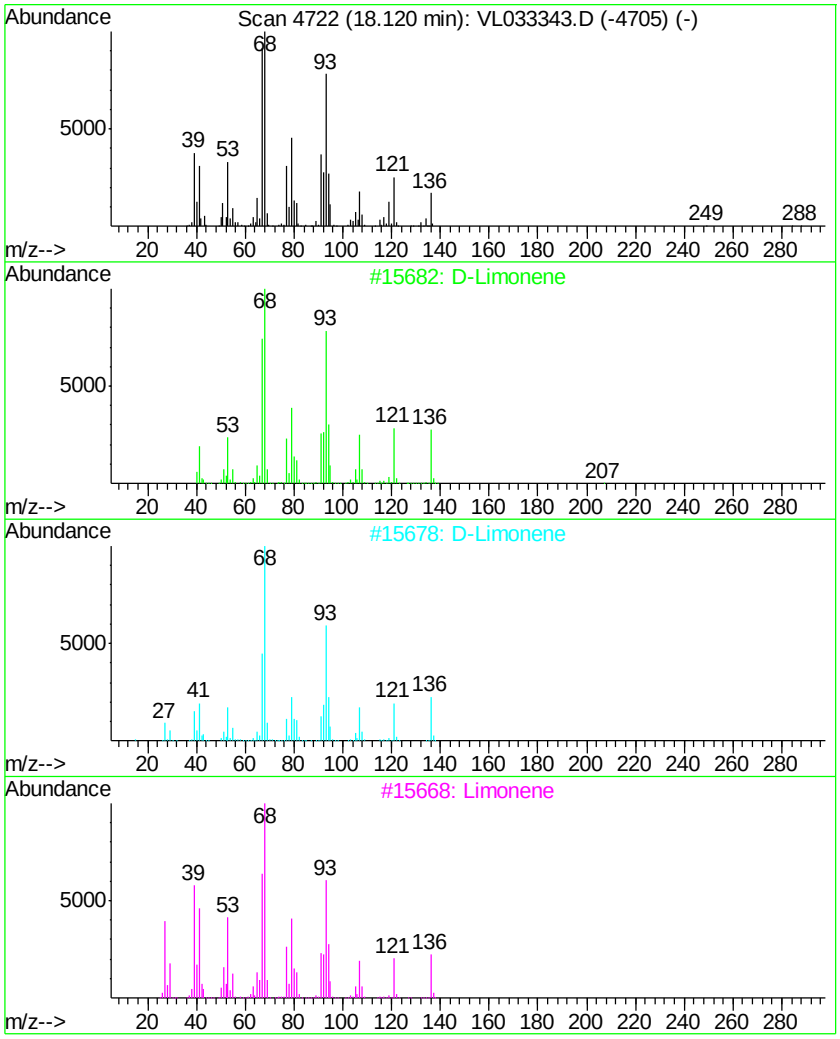
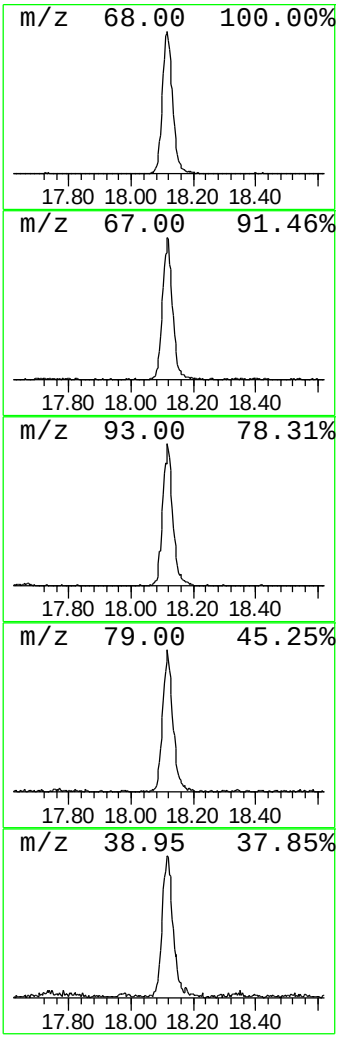
Peak Number 3 D-Limonene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.12	2.62 ppbv	1637520	Chlorobenzene-d5	12.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	D-Limonene	136	C10H16	005989-27-5	98
2	D-Limonene	136	C10H16	005989-27-5	93
3	Limonene	136	C10H16	000138-86-3	91
4	D-Limonene	136	C10H16	005989-27-5	76
5	Cyclohexene, 1-methyl-5-(1-methy...	136	C10H16	013898-73-2	70





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Sample : K1827-06
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : A-6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Mar 15 14:52:14 2019

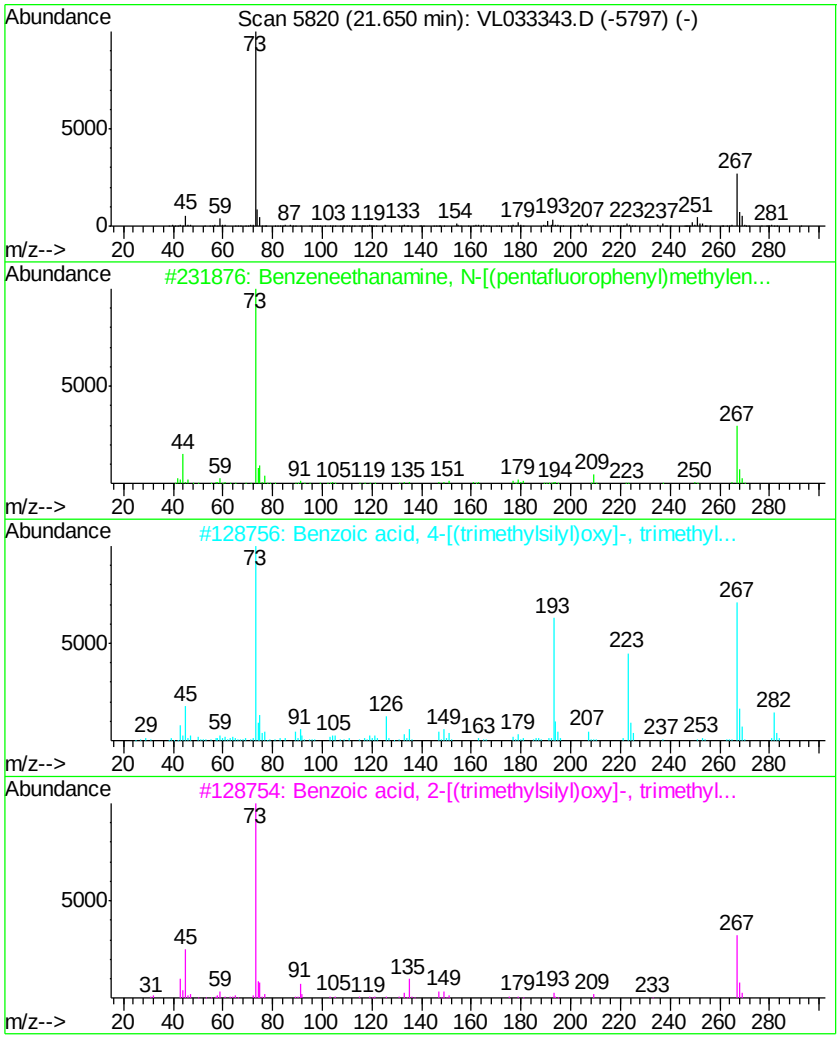
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

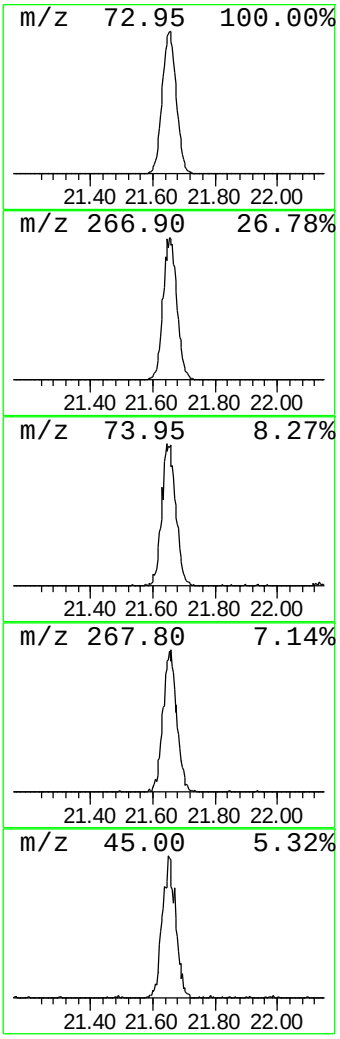
****

Peak Number 4 unknown21.65 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.65	4.72 ppbv	2953850	Chlorobenzene-d5	12.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzeneethanamine, N-[(pentafluo...	475	C21H26F5NO2Si2	055429-85-1	45
2	Benzoic acid, 4-[(trimethylsilyl...	282	C13H22O3Si2	002078-13-9	45
3	Benzoic acid, 2-[(trimethylsilyl...	282	C13H22O3Si2	003789-85-3	36
4	Benzoic acid, 2-[(trimethylsilyl...	282	C13H22O3Si2	003789-85-3	36
5	Benzoic acid, 2-[(trimethylsilyl...	282	C13H22O3Si2	003789-85-3	36





Tentatively Identified Compound (LSC) summary

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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown3.24	3.24	1.2	ppbv	402503	1	5.76	3288620	10.0
Butane	3.39	1.6	ppbv	544214	1	5.76	3288620	10.0
D-Limonene	18.12	2.6	ppbv	1637520	3	12.24	6256040	10.0
unknown21.65	21.65	4.7	ppbv	2953850	3	12.24	6256040	10.0